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## Effect of spatial and temporal variability of antecedent moisture content on model-generated runoff from an arid watershed

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EFFECT OF SPATIAL AND TEMPORAL VARIABILITY OF ANTECEDENT  
MOISTURE CONTENT ON MODEL-GENERATED RUNOFF  
FROM AN ARID WATERSHED

by

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Bachelor of Science  
University of Nevada, Las Vegas  
1997

A thesis submitted in partial fulfillment of  
the requirements of the

**Master of Science Degree in Civil Engineering  
Civil and Environmental Engineering Department  
Howard R. Hughes College of Engineering**

**Graduate College  
University of Nevada, Las Vegas  
December 2010**

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## THE GRADUATE COLLEGE

We recommend the thesis prepared under our supervision by

**William J. Meyer**

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### **Effect of Spatial and Temporal Variability of Antecedent Moisture Content on Model-Generated Runoff from an Arid Watershed**

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**December 2010**

## ABSTRACT

### **Effect of Spatial and Temporal Variability of Antecedent Moisture Content on Model-Generated Runoff from an Arid Watershed**

by

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Assistant Professor of Civil Engineering  
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Streams in the arid southwest are typically ephemeral, and stream gages are not commonly available. Consequently, runoff data from storm events is not available, and flood control facility design or other water resource related decisions are based on synthetic hydrographs. In the Mojave Desert region of Southern Nevada, the duration of storm used to develop these synthetic hydrographs is the 6 hour storm. The 6 hour storm is used to simulate high intensity summer storms. Additionally, soils information used in the calculations for these synthetic hydrographs is taken from maps that are generally developed for a broad range of issues and do not consider spatial or temporal variability in the hydraulic properties. Both the antecedent moisture content (AMC) as well as the hydraulic conductivity can vary due to a number of physical conditions that change within a specific soil type, and this variation can have a significant impact on the watershed runoff response. The objective of the research is to determine if calculated runoff volumes are due to the spatial variation of soil hydraulic properties, and which of these is more important. The thesis also addresses the importance of storm frequency as it relates to rainfall/runoff process and the spatial variation of soil hydraulic properties. A

pedo-transfer function has been used for this study to develop the variation of the AMC parameter for the final hydraulic/hydrologic models. The effective hydraulic conductivity was evaluated at one half the calculated saturated hydraulic conductivity value. The AMC was varied for three different scenarios on 7 individual soil surfaces on a 228 km<sup>2</sup> arid watershed in the Mojave Desert using a multi-model platform. The modeling software packages used for the thesis are Rosetta, HYDRUS-1D, ArcGIS, FLO-2D and HEC-1. All data were geospatially rectified on the watershed to account for the spatial variation of the soil parameters. Temporal variation of the water content on each soil surface was evaluated using atmospheric demand and the soil properties over a 30-day period. The results show that the spatial variability of hydraulic conductivity has a considerable effect on the calculated flowrates in a two-dimensional model (FLO-2D). Calculated flowrates for the upper watershed are shown to increase as storm frequency decreases. However, the 2 dimensional model shows that all rainfall and run-on from upstream infiltrates on the lower portion of the watershed. The results also show that the AMC within a watershed has a considerable effect on calculated flowrates for both a two-dimensional and a one-dimensional model. As the time period of the drying time increases from 1-day to 5-days, the calculated runoff reduces by 42 percent to 250 percent in FLO-2D (at the upper watershed) and by 3600 percent and 4200 percent in HEC-1 for the 100-year models. There was a large difference in calculated peak flowrates between the one-dimensional and 2-dimensional models indicating a considerable difference between lumped parameter and discretized modeling methods.

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## TABLE OF CONTENTS

|                                                                             |      |
|-----------------------------------------------------------------------------|------|
| ABSTRACT .....                                                              | iii  |
| ACKNOWLEDGMENTS .....                                                       | v    |
| LIST OF TABLES .....                                                        | iiix |
| LIST OF FIGURES .....                                                       | x    |
| LIST OF ABBREVIATIONS .....                                                 | x    |
| CHAPTER 1 INTRODUCTION .....                                                | 1    |
| 1.1 Motivation for Study.....                                               | 1    |
| 1.2 Objective .....                                                         | 3    |
| 1.3 Hypotheses .....                                                        | 5    |
| 1.4 Applications .....                                                      | 5    |
| CHAPTER 2 THEORETICAL BACKGROUND.....                                       | 8    |
| 2.1 Different Model Types .....                                             | 9    |
| 2.2 Role of Initial Conditions.....                                         | 12   |
| 2.3 Pedotransfer Function .....                                             | 17   |
| 2.4 Role of Soil in Runoff.....                                             | 20   |
| 2.5 Multi-Model Platform Software .....                                     | 22   |
| 2.5.1 Rosetta.....                                                          | 22   |
| 2.5.2 HYDRUS-1D .....                                                       | 24   |
| 2.5.3 van Genuchten Spreadsheet .....                                       | 24   |
| 2.5.4 FLO-2D.....                                                           | 26   |
| 2.5.5 HEC-1 .....                                                           | 28   |
| CHAPTER 3 METHODS.....                                                      | 31   |
| 3.1 Study Area.....                                                         | 32   |
| 3.1.1 Soil Surfaces .....                                                   | 34   |
| 3.2 Watershed Characterization .....                                        | 37   |
| 3.2.1 Digital Characterization .....                                        | 38   |
| 3.2.2 Field Characterization.....                                           | 39   |
| 3.2.3 Referenced Data .....                                                 | 40   |
| 3.3 Modeling Procedure.....                                                 | 40   |
| 3.4 Pedotransfer Functions.....                                             | 41   |
| 3.4.1 Statistical Site Specific Pedotransfer Function .....                 | 41   |
| 3.4.2 Rosetta and the Artificial Neural Network Pedo-Transfer Function..... | 43   |
| 3.5 Variation of Input Parameters .....                                     | 44   |
| 3.5.1 Development of Precipitation Values.....                              | 45   |



|                                                                            |     |
|----------------------------------------------------------------------------|-----|
| 3.5.2 HYDRUS-1D .....                                                      | 46  |
| 3.5.3 van Genuchten and Green and Ampt Parameters .....                    | 47  |
| 3.6 FLO-2D .....                                                           | 47  |
| 3.7 HEC-1 .....                                                            | 49  |
| CHAPTER 4 RESULTS AND DISCUSSION .....                                     | 52  |
| 4.1 Soil Samples and Soil Parameter Variability .....                      | 52  |
| 4.2 Pedo-Transfer Functions .....                                          | 52  |
| 4.2.1 Best Subset Regression .....                                         | 53  |
| 4.2.2 Backward Stepwise Analysis .....                                     | 54  |
| 4.2.3 Rosetta .....                                                        | 54  |
| 4.3 Variation of Input Parameters .....                                    | 56  |
| 4.3.1 Variation of Hydraulic Conductivity .....                            | 56  |
| 4.3.2 Variation of Water Content using HYDRUS-1D .....                     | 58  |
| 4.3.3 van Genuchten and the Calculation of Green and Ampt Parameters ..... | 61  |
| 4.3.4 ArcGIS and FLO-2D Input Data .....                                   | 65  |
| 4.4 FLO-2D and HEC-1 .....                                                 | 65  |
| 4.4.1 FLO-2D Models .....                                                  | 67  |
| 4.4.2 HEC-1 Models .....                                                   | 72  |
| 4.5 Sensitivity Analysis .....                                             | 76  |
| CHAPTER 5 CONCLUSIONS .....                                                | 81  |
| 5.1 Implications to the Spatial Variation Hypothesis .....                 | 81  |
| 5.2 Implications to the Temporal Variability Hypothesis .....              | 83  |
| 5.3 Implications to Public Policy .....                                    | 85  |
| 5.4 Sources of Uncertainty and Error .....                                 | 86  |
| 5.5 Further Research .....                                                 | 88  |
| APPENDIX 1 FIGURES .....                                                   | 90  |
| APPENDIX 2 CALCULATIONS .....                                              | 134 |
| REFERENCES .....                                                           | 751 |
| VITA .....                                                                 | 758 |

## LIST OF TABLES

|            |                                                                                |    |
|------------|--------------------------------------------------------------------------------|----|
| Table 2.1  | Antecedent Moisture Conditions.....                                            | 14 |
| Table 3.1  | USBR Variables and Sub-Basin Lag Times for the Mojave Desert<br>Watershed..... | 51 |
| Table 4.1  | Soil Sample PSD and Textural Class .....                                       | 53 |
| Table 4.2  | Rosetta Calculated van Genuchten Parameters.....                               | 55 |
| Table 4.3  | Rosetta Calculated PTF Values for FLO-2D.....                                  | 56 |
| Table 4.4  | $K_s$ Values for HEC-1 Models.....                                             | 58 |
| Table 4.5  | Variation of Soil Saturation Values for the FLO-2D Model.....                  | 60 |
| Table 4.6  | Variation of Soil Saturation Values for the HEC-1 Model .....                  | 61 |
| Table 4.7  | FLO-2D Wetting Front Soil Suction Values by Soil Surface.....                  | 63 |
| Table 4.8  | HEC-1 Wetting Front Soil Suction Values by Sub-Basin .....                     | 64 |
| Table 4.9  | FLO-2D Calculated Peak Flowrates .....                                         | 67 |
| Table 4.10 | HEC-1 Calculated Peak Flowrates.....                                           | 73 |
| Table 4.11 | FLO-2D Hydraulic Conductivity Sensitivity Analysis .....                       | 77 |
| Table 4.12 | HEC-1 Hydraulic Conductivity Sensitivity Analysis.....                         | 78 |

## LIST OF FIGURES

|                                                                                                       |    |
|-------------------------------------------------------------------------------------------------------|----|
| Figure 2.1 Water Retention Curves .....                                                               | 19 |
| Figure 2.2 Control Subroutine Module (modified from Miller, 1996) .....                               | 27 |
| Figure 2.3 Floodplain Subroutine Module (modified from Miller, 1996) .....                            | 27 |
| Figure 2.4 Physical Processes Subroutine Module (modified from Miller, 1996) .....                    | 28 |
| Figure 2.5 Control Subroutines for HEC-1 Data Input.....                                              | 29 |
| Figure 2.6 Floodplain Subroutines for HEC-1 Data Input.....                                           | 30 |
| Figure 2.7 Physical Processes Subroutines for HEC-1 Data Input .....                                  | 30 |
| Figure 3.1 Watershed Location Map .....                                                               | 33 |
| Figure 3.2 Mojave Desert Study Area Soil Surface Map from Shafer et al. (2009).....                   | 34 |
| Figure 3.3 Percentage Area of Soil Surfaces for the Mojave Desert Watershed.....                      | 36 |
| Figure 3.4 Percentage Area of Sub-Basins for the Mojave Desert Watershed .....                        | 37 |
| Figure 3.5 Development Process of G-A Soil Parameters .....                                           | 45 |
| Figure 4.1 Water Content Variation vs. Time for Soil Surfaces on the Mojave Desert<br>Watershed.....  | 59 |
| Figure 4.2 Water Retention Curves for Different Soil Surfaces .....                                   | 62 |
| Figure 4.3 Mojave Desert Study Area Sub-basin Map .....                                               | 66 |
| Figure 4.4 FLO-2D 500-Year Floodwave Progression .....                                                | 70 |
| Figure 4.5 FLO-2D 100-Year Floodwave progression .....                                                | 71 |
| Figure 4.6 HEC-1 500-Year Floodwave Progression Hydrographs .....                                     | 74 |
| Figure 4.7 HEC-1 100-Year Floodwave Progression Hydrographs .....                                     | 75 |
| Figure 4.8 Comparison of Calculated Total Volume Hydrograph for FLO-2D and<br>HEC-1 Simulations ..... | 80 |

## LIST OF ABBREVIATIONS

|                 |                                                          |
|-----------------|----------------------------------------------------------|
| ANN             | Artificial Neural Network                                |
| AMC             | Antecedent Moisture Condition                            |
| API             | Antecedent precipitation index                           |
| ARS             | Agricultural Research Service                            |
| CCRFC           | Clark County Regional Flood Control District             |
| C               | Centigrade                                               |
| cm              | Centimeter                                               |
| cm <sup>3</sup> | Cubic centimeter                                         |
| CN              | Curve Number                                             |
| DARF            | Depth Area Reduction Factor                              |
| DEM             | Digital Elevation Model                                  |
| FCDMC           | Flood Control District of Maricopa County                |
| FEMA            | Federal Emergency Management Agency                      |
| FIRM            | Federal Insurance Rate Map                               |
| HEC-1           | Hydrologic Engineering Center Hydrologic Software        |
| HEC-HMS         | Hydrologic Engineering Center Hydrologic Modeling System |
| hr              | Hour                                                     |
| G-A             | Green – Ampt                                             |
| GDS             | Grid Development System                                  |
| GIS             | Geographic Information System                            |
| km <sup>2</sup> | Square kilometer                                         |
| m <sup>3</sup>  | Cubic meter                                              |
| NFIP            | National Flood Insurance Program                         |
| NOAA            | National Oceanic and Atmospheric Administration          |
| NRCS            | National Resource Conservation Service                   |
| PSD             | Particle size distribution                               |
| PTF             | Pedotransfer function                                    |
| R <sup>2</sup>  | Coefficient of determination                             |
| RFS             | Rainfall simulator                                       |
| SDN-5           | Strom distribution number 5                              |
| SSC             | Sand, silt, clay                                         |
| USBR            | United States Bureau of Reclamation                      |
| USGS            | United States Geological Survey                          |
| VIF             | Variable inflation factor                                |

## CHAPTER 1

### INTRODUCTION

#### 1.1 Motivation for Study

Streams in the arid southwest United States typically are ephemeral and associated watersheds are commonly ungaged; consequently, runoff data from storm events often are not available to decision makers in the science and engineering communities. For this reason, flood control facility designs typically based on flowrates and storm volumes derived from synthetic hydrographs. An effective means of calculating storm runoff from watersheds in this area is therefore important to the design of flood control facilities that reduce risk to life and property.

Storm frequency has a considerable role in the rainfall/runoff process. Storm frequency is defined as the recurrence interval of a given storm event. A 100-year storm would be one that statistically will happen once every one hundred years. The 100-year storm has a one-percent chance of happening in any year. The lower frequency storms produce more total rainfall resulting in more runoff. However, the relationship between the rainfall/runoff response and storm frequency is not necessarily linear and is difficult to quantify.

In addition to frequency, storm duration is also a consideration in the design storm used for the rainfall/runoff process. Storm duration is the length of the rainfall period from the beginning of the storm to the end of the storm. In Clark County Nevada a 6 hour duration storm is used for the calculation of storm runoff.

Runoff response also depends on soil moisture in the watershed. Soil moisture has a major influence on the hydrologic response of catchments (Brocca et al., 2008; Berthet et al., 2009) and is a necessary input to many hydrologic models (Hawley et al., 1983; Caporali et al., 1996). Some investigators have argued that soil moisture is the most important factor (Brocca et al., 2009), accounting for a significant difference in runoff on an otherwise identical watershed with the same storm conditions (Heggen, 2001). Soil moisture content is also known as the antecedent moisture condition (AMC), when used as an initial condition, to describes the volume of water that is present in soil pores at the beginning of the event. Because AMC is an important state variable (Hawley et al., 1983) and a critical initial condition in hydrologic models, variation of AMC will have a significant effect on the modeled rainfall-runoff response of soil. Therefore, hydrologic models used by civil engineers and earth scientists are of little value without accurate estimates of AMC.

Soil moisture content can vary significantly from one soil type to another, both spatially and temporally, across a watershed or even within a single soil surface. Soil moisture content, as well as other hydrologic variables, can exhibit large spatial variability (Merz and Plate, 1997) because of factors such as slope or vegetation density (Bi et al., 2008). Soil moisture also varies with time, especially after precipitation events given the important processes of soil evaporation, plant transpiration and downward drainage. Although a higher AMC is expected to result in greater storm runoff, Miller and French (2001) showed that infiltration can increase for saturated soil conditions.

Spatial and temporal variation of soil moisture content has been studied at numerous scales. The effects of global climate change on the soil water content at the regional scale have been studied by Holsten (2009), Huszar (1999), and Zhu (2009). Antecedent moisture condition has also been studied at the plot and field scales (Wei et al., 2007; Marshall et al., 2009). Additionally, numerous watersheds have been evaluated with respect to AMC (Contador et al, 2006; Starks et al., 2006; Koren et al., 2008; Noto et al., 2008; Reshmidevi et al., 2008). The AMC of a soil is affected by other soil parameters, and these must also be defined. This is accomplished with a pedo-transfer function (PTF). The PTF is an approach to estimate soil hydraulic properties from relatively simple-to-obtain field measurements, like soil texture and bulk density (Arya and Paris, 1981; Arya et al., 1999). The concept has been used for a variety of field scenarios dealing with infiltration and water movement (Rawls et al., 1989; Schaap et al., 2001; Parasuraman et al., 2006), and for parameterizing numerical models using different approaches (van Genuchten, 1980; Mualem, 1976). The PTF provides a well established method to determine the spatial and the temporal variation of the soil parameters.

## 1.2 Objective

The objective of this thesis is to evaluate the effects of spatial and temporal variability of AMC on model-generated runoff through use of a PTF on a specific watershed. A PTF is developed from field measurements of soil hydrologic and hydraulic parameters and data from the Desert Research Institute project on the same watershed (Shafer et al.,

2009). The parameters developed with the PTF are used in a two-dimensional model (FLO-2D) and a one-dimensional model (HEC-1). Although the Hydrologic Engineering Center's (HEC) software package HEC-1 (USACE, 1998) and FLO-2D (O'Brien, 2007) models use different modeling approaches, they both use the same variables developed from the PTF relationships. Therefore, the PTF results should provide a solid correlation with the runoff loss parameters used in both models.

The Green and Ampt (G-A) (1911) method is a proven method for describing soil parameters within a hydraulic/hydrologic model. A great deal of research into the use of the Green and Ampt (G-A) (1911) method has been done (Bouwer, 1969; Chen and Young, 2006). However, the fundamental principles, and the soil hydraulic parameter variables originally presented, remain the same. The G-A method considers a rainfall event under two separate conditions. The first considers rainfall intensity that is less than the saturated hydraulic conductivity ( $K_s$ ) value of the soil (i.e.  $w < K_s$ ), where  $w$  is the rainfall intensity. In this case, all of the precipitation infiltrates into the ground. The second condition considers precipitation intensity that is greater than or equal to the  $K_s$  of the soil (i.e.  $w \geq K_s$ ). In this case, the infiltration rate into the soil is described by the G-A equation (Mein and Larson, 1973; Dingman, 2002):

$$f(t) = K_s \left[ 1 + \frac{\psi_s(\Delta\theta)}{F(t)} \right] \quad \text{Eq. 1.1}$$



where  $f(t)$  is the infiltration rate;  $F(t)$  is the total infiltration for that time step;  $K_s$  is the saturated hydraulic conductivity, described by the G-A method as the soil permeability to water;  $\Delta\theta$  is the soil water deficit, described as the difference between the initial soil moisture content and the porosity; and,  $\psi_s$  is the wetting front soil suction parameter.

### 1.3 Hypotheses

Two hypotheses are considered:

1. The effect of spatially-varied soil hydraulic properties on model-generated runoff volumes depends on the storm return period and the interval of storm succession.
2. The effect of AMC, or soil moisture content, has a larger effect on model-generated runoff volumes than hydraulic conductivity depending on the storm return period and the interval of storm succession.

### 1.4 Applications

The results of this study will provide a better understanding of how spatial and temporal variability of AMC affects model-generated runoff between different design storm return periods and different intervals of storm succession on an arid watershed. For the engineering community, some of the benefits of this thesis include preliminary investigation into addressing the following questions:

- Can the additional engineering costs for more detailed modeling provide better estimates of runoff volumes, and thus more appropriately sized flood control structures?
- When is the additional effort of distributed modeling warranted for a meso-scale watershed?

For the scientific community, some of the benefits might be capturing preliminary information to answer the following questions:

- Can PTF methods provide better estimates of parameters necessary for input into rainfall-runoff models than those referenced from maps?
- Will the variation of AMC values on different soil surfaces within a watershed improve conceptual model of hydrologic responses arid watersheds?
- Will the variation of AMC values on different soil surfaces within a watershed allow for more accurate estimates of transport rates of sediment or pollutants via overland flow?

The G-A method is used by soil physics, agricultural and civil engineering communities; the findings of this study should be useful for all these communities.

The Literature Review (Chapter 2) is provided to show how the issues related to hydrologic modeling have been addressed by others. The Methods section (Chapter 3) illustrates what has been done in this thesis to develop the hydraulic/hydrologic models. The Results and Discussion section (Chapter 4) provides the results of each of the steps

of the multi-modeling platform that was presented in Chapter 3. Finally, Chapter 5 presents the conclusions of this thesis.

## CHAPTER 2

### THEORETICAL BACKGROUND

An approach to the development of input values by using a multi-modeling platform has been developed for this thesis. The final hydrologic/hydraulic models consider the spatial variation of the soil parameters in two distinctly different ways: one is a physically based two-dimensional model, and the other is a lumped parameter one-dimensional model. However, the development of the soil parameters prior to input for both models is the same.

The intent of this chapter is to discuss the role of initial conditions, specifically the AMC, on runoff estimates from a hydrologic model. Through the use of PTFs, the role of soil in the rainfall/runoff process is further explained.

The multi-model platform is the method by which the referenced soil data is converted to soil parameters usable by the final hydrologic and hydraulic models. Descriptions of the models and parameterizations used in this thesis, e.g., Rosetta, HYDRUS-1D, and the closed form equations by Mualem (1976) and van Genuchten (1980) are given to show the basic capabilities of the software. Then, descriptions of FLO-2D and HEC-1 are presented to give a basic understanding of the final model capabilities.

This chapter is sub-divided into sections that explain the watershed and the body of knowledge concerning the development of the models. The order is as follows:

1. Different Model Types
2. Role of Initial Conditions
3. Pedo-Transfer Function
4. Role of Soil in Runoff
5. Multi-Model Platform

## 2.1 Different Model Types

Hydrology is defined as the geoscience that characterizes the occurrence and distribution of water on the earth and in the atmosphere (Dingman, 2002). Characterization of any watershed is determined by the climate of a region and the geologic structure of the area (Linsley, 1949). From a modeling standpoint, the geologic characteristics are described by the soil (G-A parameters) and the land use within the watershed. The climatic characteristics are defined in the model by the precipitation frequency and storm duration. Both the soil and the rainfall properties can vary spatially and temporally across the watershed. This variation can be significant and complex whether it is from a global or watershed standpoint. The prediction, or modeling, of the hydrologic system requires some simplification. As stated by Woolhiser (1996), "...all models are simplifications or abstractions of reality and all models are to some extent wrong. In fact, if they aren't simpler ... than the real world objects, they aren't useful."

Representation of spatial variation of soil hydraulic parameters is, in general, addressed using two different approaches: lumped parameter and distributed models. Lumped parameter and distributed models are relative terms reflecting the degree of spatial subdivision used in the particular model (Hawley et al., 1983). The lumped parameter model delineates the watershed (or sub-basin) by its topographic boundaries. The mean values of the variables for soil parameters, vegetation, topography, etc. are then used to characterize the sub-basin. The HEC-1 model (USACE, 1998) is one of the better known lumped parameter modeling packages available to the engineering community. Distributed models, on the other hand, are more complex in construction. Topographic features of the watershed are defined by discretizing the domain into individual cells. Each cell is assigned attributes (topography, soil properties, vegetation, etc.) that affect the hydrologic performance of the domain (e.g., watershed). Distributed models account for spatial variability of these attributes; however the attributes are homogeneous within each cell of the model. Once the domain is discretized, the governing equations can be solved using either a finite difference or finite element approach. FLO-2D is a distributed model that is fairly common in the Southwest U.S. used for hydraulic/hydrologic modeling.

Both the FLO-2D and the HEC-1 models previously discussed are capable of modeling watersheds using the National Resource Conservation Service's (NRCS) (formerly known as the Soil Conservation Corp [SCS]) Curve Number (CN) method. The

CN method is a commonly used empirical method for determining infiltration losses on a watershed. Infiltration losses are calculated using a single value that describes the soil. The method is considered a black box approach as the soil value is not a physical description of the soil.

A physically-based model uses equations that are derived from basic physics. Parameters used in the G-A equation are based on physical characteristics of soil. These parameters describe the soil water content as well as characterize wetting front movement through the soil. Although the G-A equations and parameters are mechanistic in nature, they are empirically derived. The G-A method is a physically based method that continues to gain acceptance and be expanded upon (Schmid, 1990; Ogden and Saghafian, 1997). Both the FLO-2D and the HEC-1 models use the G-A method, and are considered physically based for this thesis. The physical basis of both these models is important as it allows for the input of soil parameters developed from the PTF.

Temporal representation of watershed processes can be achieved either on a single event basis or as a series of events that are included in a longer time series. For this study, a single storm is used for each hydrologic/hydraulic simulation. Temporal variation of AMC is the focus of this thesis.

## 2.2 Role of Initial Conditions

Initial conditions have a considerable effect on the overall accuracy of hydrologic models. One difficulty in hydrologic simulation arises from non-linearities inherent in rainfall loss functions, as a result of AMC, and the spatial complexities of the catchment topography, including soils, vegetation, and rainfall inputs (Beven, 1989). Hydrologic effects of all these spatial complexities can be described by the variable AMC, which is the initial condition that is the focus of this study. The major factors in determining AMC (Hawley et al., 1983) are as follows:

- soil type,
- antecedent meteorological conditions,
- topographic factors, and
- land cover.

Soil type can have a tremendous effect on the ability of the soil to retain water. For example, at the same water content, the matric potential of clay is greater (more negative) than that of sandy soil, and therefore the clay has a higher ability to retain water. This sorptive quality, in effect, reduces the evaporation rate when compared to the same water content in a sandy soil. On the other hand, water flows more freely through a sandy soil, allowing it to both drain more freely and evaporate.

Antecedent meteorological conditions are often used to determine AMC for hydrologic models. However, these conditions aren't necessarily the same from one



environment to the next. Therefore, the characterization of temporal variability of soil moisture is a fundamental issue in hydrologic modeling. Because of variability of soil properties and meteorological conditions, AMC can also be difficult to quantify or predict accurately.

There are several methods available for determining AMC. Two of the common methods are discussed in the following paragraphs. Both methods have been provided to illustrate how AMC can be derived; however, neither method is used in this thesis.

One of the more popular methods for establishing AMC is the NRCS CN method. The CN method incorporates three different levels of AMC (i.e., wet, normal, and dry conditions), and is based on the precipitation that has occurred within the previous five days. The CN method was developed empirically from numerous Agricultural Research Service (ARS) research watersheds in the United States. The AMC levels correspond to the following conditions:

AMC I: Soils are dry but not to the wilting point; satisfactory cultivation has taken place.

AMC II: Average conditions.

AMC III: Heavy rainfall, or light rainfall and low temperatures have occurred within the last five days; saturated soil.

The three AMC levels are all described with regard to agricultural seasons (Singh, 1992) although typically AMC II is applied for annual floods (Viessman and Lewis,

2003). Precipitation values used for determining AMC levels are shown below in Table 2.1 (Singh, 1992):

Table 2.1 Antecedent Moisture Conditions

| Antecedent Moisture Condition | Total Rain in Previous 5 Days | Total Rain in Previous 5 Days |
|-------------------------------|-------------------------------|-------------------------------|
|                               | Dormant season                | Growing season                |
| I                             | Less than 1.27 cm             | Less than 3.5 cm              |
| II                            | 1.27 to 3.25 cm               | 3.5 to 5.25 in.               |
| III                           | More than 3.25 cm             | Over 5.25 cm                  |

AMC II is the common assumption used for flood control modeling. A study conducted in the Midwest United States (Bhuyan et al., 2003) showed that the AMC II value in agricultural land led to consistent overestimation of runoff depths, and that a considerable discrepancy can exist between field conditions and the CN value obtained with an AMC II value. Additionally, incorporating the AMC values into the NRCS method at each of the three levels creates unreasonable jumps in the variation of CN.

The method developed by Kohler and Linsley (1951) is also a commonly used empirical method for determining antecedent precipitation that was developed for the eastern and central regions of the United States. This method is known as the antecedent precipitation index (API) and generally takes the form of:

$$API = b_1P_1 + b_2P_2 + b_3P_3 + ..... + b_iP_i \quad \text{Eq. 2.1}$$

where API is the index,  $P_i$  is the amount of precipitation that occurred  $i$  days prior to the storm being considered and  $b_i$  is a constant that is a function of time, proportional to some value of  $1/i$ . This index gives a value for a predetermined amount of time. If a day-to-day value is required, then it should be assumed that  $b_i$  decreases logarithmically with time, rather than as a reciprocal. In this case, the equation takes the form:

$$I_i = I_0 k^t \quad \text{Eq. 2.2}$$

where  $I_0$  is the initial index value,  $k$  is a recession factor that is a function of the physical characteristics of the catchment, and  $t$  is the time in days. The  $k$  value typically ranges from 0.85 to 0.90, with the value decreasing logarithmically with time over a dry period.

In humid areas, where stream flow is continuous, groundwater discharge at the beginning of the precipitation event is a good index to represent the initial moisture conditions (Kohler and Linsley, 1951). According to Kohler and Linsley (1951), the value of the index on any day theoretically depends on the precipitation recorded over an infinite antecedent period. If a reasonable value of API is assumed, the computed index value will approach the true value in a few weeks in this environment.

A normalized version of the API has been studied and proposed by Heggen (2001), and a method developed by Caporali et al. (1996) is very similar. Additionally, numerous

other indices have been proposed (e.g., Xia et al., 1997; Descroix et al., 2002, Pan and Peters-Lidard 2003). These APIs are typically exponential functions.

All the previous indices are “Black Box” approaches. That is, the parameter used in the calculations is not physically based (i.e., CN,  $k$ , etc.). Additionally, much of the research has been conducted in wet environments and for agricultural conditions. Castillo et al. (2003) point out that hydrologic response of a watershed is determined by a number of interacting factors, and that these factors in humid environments differ from those in arid and semi-arid environments.

Soil conditions do vary considerably between an arid and a humid environment. The top layer of the soil in a humid environment is likely to be composed of humus and highly permeable. The top layer of soil in an arid environment can be composed of a very hard desert pavement surface and is not as permeable. Additionally, vegetation is likely to be more pronounced in a humid environment. Vegetation has the effect of increasing the hydraulic conductivity of a soil.

The factor most influencing AMC according to Hawley et al. (1983) is the watershed topography. Topographic factors such as slope, aspect, and the location on a hill slope have an influence on the AMC of a watershed. Land cover (i.e., vegetation) can also be used as a criterion for defining homogeneous units of AMC for hydrologic modeling. The presence of vegetation tends to diminish the variation of soil moisture content (Bhuyan et al., 2003).

## 2.3 Pedotransfer Function

Because hydrology combines numerous other sciences, the emerging interdisciplinary research field of hydropedology attracts substantial attention as it bridges pedology and hydrology (Pachepsky et al., 2006). Pedo-transfer functions (Bourma, 1989) have tremendous potential for qualifying and quantifying soil properties for use in hydrologic models. Simply defined, the PTF method translates existing, easily obtainable surrogate data into hydraulic property data that would be more difficult (and expensive) to obtain through other means. Although some PTFs have some mechanistic qualities, they all have a strong degree of empiricism, in that they contain model parameters that were calibrated on existing soil hydraulic data bases (Schaap et al., 2001). Some PTFs perform better than others; however, there seems to be no clearly superior and generally applicable PTF (Schaap et al., 1998). All PTFs can be characterized by three general classifications Class, Continuous, and Artificial Neural Network (ANNs) (Schaap, 2000).

Class PTFs are based on the soil textural classification, and on the assumption that similar soils have similar hydraulic properties. This type of PTF is typically used when the textural classification is known, and is used to provide average hydraulic parameters (Schaap et al., 1998). Hydraulic properties developed from Class PTFs are typically referenced from a database or a table, and are useful when the scale of the study exceeds the field sampling capabilities. They remain popular because textural characteristics are the most easily measured soil property (Twarakavi et al., 2010).

Additionally, a study by Al Majou et al. (2007) found that Class PTFs were reasonably accurate in predicting the water retention properties and thus, they are worthwhile tools.

The Continuous PTF builds upon the Class PTF by predicting continuously changing hydraulic properties using simple linear and non-linear equations (Schaap et al., 1998). It also builds upon similarities between particle size distribution (PSD), pore size distribution, and the water retention curve (Arya and Paris, 1981; Schaap et al., 2001; Wosten et al., 2001). The ability of the soil to retain water is related to the pore size distribution, which is somewhat proportional to the grain size distribution (Dingman, 2002). Examples of typical water retention curves for sand, silt and clay, showing the substantially different effect of water content on the different soil types, are shown in Figure 2.1. The graphs were developed for this example using the Mualem (1976) and van Genuchten (1980) closed form equations. The graphs were developed from a spreadsheet that was originally used in Michael H. Young's Spring 2009 Vadose Zone Hydrology class at the University of Nevada Las Vegas. Note the substantially different shapes of the curves and how the relationship of the soil matric potential ( $\psi$ ) changes with varying water content ( $\theta$ ).

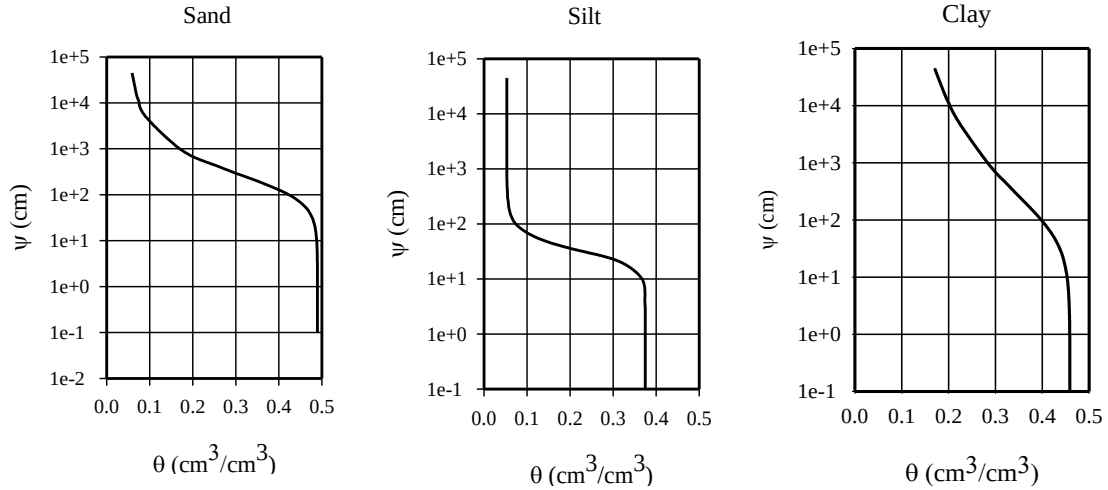


Figure 2.1 Water Retention Curves

Artificial Neural Networks are computational models that simulate structures and functions of biological neural networks, and form the basic concept behind ANN PTFs. Pachepsky et al. (1996) and Tamari et al. (1996) found that the ANNs performed well or better than regression (Continuous PTFs), for predicting points on the water retention curve and the parameters that describe the curve. Not only are ANNs efficient at finding appropriate soil hydraulic properties, they can calculate uncertainties in the parameters. Another attraction of ANNs is that they are designed for pattern recognition, allowing the system to learn. Perhaps the most common ANN method for estimating soil hydraulic properties is implemented in Rosetta (Schaap, 2000). The database used by Rosetta was derived from 2085 samples (Schaap, 2000) taken from temperate and subtropical climates in both America and Europe (Parasuraman et al., 2006). The software has five separate

PTF options that develop hydraulic parameters using input for textural class; percent of sand, silt, and clay (SSC); percent of SSC and bulk density ( $\rho_b$ );  $SSC\rho_b$  and water content at a soil water potential of 33kPa; and  $SSC\rho_b$  and water content at a soil water potential of 1500 kPa. Considerable documentation and evaluation of the Rosetta software is available. In many cases, Rosetta is compared to other PTFs (Sobieraj et al., 2001; Givi et al., 2004; Minasny et al. 2004; Parasuraman et al., 2006; Stumpp et al., 2007; Rubio et al., 2008; Patil and Rajpu, 2009). These evaluations have been conducted using soils from around the world with varying results; however, widespread use indicates that the general approach of the software is gaining acceptance in the scientific community.

## 2.4 Role of Soil in Runoff

A significant percentage of most rainfall infiltrates to become stored soil water, which is either returned to the atmosphere by plant transpiration and evaporation or is conducted to the lower levels and ground water (Saxton and Rawls, 2006). Typically, surface runoff in arid and semi-arid environments occurs due to infiltration excess or Hortonian flow, which occurs when rainfall intensity exceeds the ability of soil to transmit flow downward into the soil (Dingman 2002). Two forces influence the ability of soil to transmit the flow of water from the soil surface into the unsaturated or vadose zone: absorption and gravity.



Initially and during early time infiltration, water entry is dominated by gradients in matric potential (i.e., absorption), often designated by  $\psi$ . Matric potential gradients are independent of gravity. The affect gravity has on the rainfall-runoff process diminishes as the water content in the soil increases and the gradient in matric potential decreases. When soil becomes saturated,  $\psi$  approaches zero at the soil surface. Even in cases where the soil matric potential is at or close to zero, it still influences water retention during dry periods. Although absorption dominates at the start of the infiltration process, the main driver for water movement in late-time infiltration is gravity. During this time, saturated hydraulic conductivity ( $K_s$ ) is the parameter that moderates the flow rate.

The saturated hydraulic conductivity ( $K_s$ ) parameter of a soil sample can be easily measured; however, determining the effective conductivity ( $K_{eff}$ ) of a soil sample is somewhat more elusive. It is widely acknowledged that the effective hydraulic conductivity ( $K_{eff}$ ) is less than the  $K_s$  value. Bouwer (1966) first explored this concept by relating the pressure head to the actual conductivity of a soil sample. Based on results from Corey et al (1965), Watson (1965), and Topp and Miller (1966) the  $K_{eff}$  is equal to approximately  $0.4K_s$  to  $0.6K_s$ . For finer grained soil a  $K_{eff}$  was about  $0.5K_s$ . Although the use of  $K_{eff}$  has not been confirmed by theoretical or applied studies,  $K_{eff}$  equaling  $0.5K_s$  has been used by other researchers (Rawls et al., 1983; McCuen et al., 1981; Chen et al., 2010). A  $K_{eff}$  that equals  $0.5K_s$  is used for the hydraulic conductivity value in this thesis.

## 2.5 Multi-Model Platform Software

The multi-model platform uses readily available modeling tools (i.e. Rosetta, HYDRUS-1D, HEC-1, and FLO-2D). The multi-model platform first develops a PTF from the referenced data (Shafer et al. 2009), and then uses the calculated parameters to vary the AMC. The AMC is varied using the HYDRUS-1D software. A value for the wetting front soil suction is then calculated using the closed form equations by Mualem (1976) and van Genuchten (1980).

### 2.5.1 Rosetta

Rosetta is an ANN PTF (Schaap et al., 2001). The software is Windows® based. It is public domain and can be downloaded through the United States Department of Agriculture – Agricultural Research Service website ([http://www.ussl.ars.usda.gov/pls/caliche/ftpinfo?model\\_in=rosetta](http://www.ussl.ars.usda.gov/pls/caliche/ftpinfo?model_in=rosetta) accessed on July 24, 2009).

Rosetta has 5 hierarchical PTFs that are described below:

- Textural
- Percent of Sand, Silt, and Clay (SSC)
- Percent of Sand, Silt, Clay, and bulk density ( $SSC\rho_b$ )
- Percent of Sand, Silt, Clay, and bulk density at 33 kPa
- Percent of Sand, Silt, Clay, and bulk density at 1500 kPa

Each PTF allows for the estimation of the van Genuchten (1980) parameters of residual water content ( $\theta_r$ ), saturated water content ( $\theta_s$ ), alpha curve shape parameter ( $\alpha$ ), n curve shape parameter ( $n$ ), and the tortuosity parameter ( $l$ ). These values will be used in this thesis for the estimation of the water content at specific drying times.

The PTFs provided in Rosetta do not account for gravel, nor can the gravel volume be inputted directly. Thus, some modifications to the data were required so that volumetric percentage of gravel could be used in subsequent analyses. This was done by adjusting the bulk density, using equations by Andraski (1991). The first step is to calculate  $\nu_g$ , the volumetric rock fragment content.

$$\nu_g = \rho_b \left( \frac{g_r}{\rho_{br}} \right) \quad \text{Eq. 2.3}$$

where  $\rho_b$  is the total bulk density (assumed to be  $2.65 \text{ g cm}^{-3}$ ),  $g_r$  is the gravimetric rock-fragment content (%gravel/100), and  $\rho_{br}$  is the rock fragment bulk density. Using the volumetric rock fragment content, bulk density of the fine earth fragment ( $\rho_{bs}$ ) is calculated using the following equation:

$$\rho_{bs} = \rho_b \frac{(1 - g_r)}{(1 - \nu_g)} \quad \text{Eq. 2.4}$$

Additionally, the saturated hydraulic conductivity value obtained from Rosetta must be adjusted to allow for a gravel. The gravel adjusted conductivity  $K_{sT}$  is calculated from the following equation (Brakensiek et al., 1986).

$$K_{sT} = K_s(1 - g_r) \quad \text{Eq. 2.5}$$

### 2.5.2 HYDRUS-1D

The HYDRUS-1D program is a finite element model for simulating one-dimensional movement of water (PC-PROGRESS, 2010). The software is a public domain package that is Windows® based and can be downloaded at <http://www.pc-progress.com/en/Default.aspx?H1D-description#k1>. The program numerically solves saturated and unsaturated flow using the Richard's equation for determining infiltration.

### 2.5.3 van Genuchten Spreadsheet

A spreadsheet developed for this thesis was used to obtain wetting front soil suction values of the different soil surfaces. The spreadsheet is based on the Mualem (1976) and van Genuchten (1980) equations discussed in the following section.

The van Genuchten equation (1980) was used to evaluate variations in  $\theta$  and  $\psi$  in the final hydrologic/hydraulic surface water model (FLO-2D). Input for the spreadsheet was van Genuchten parameters from both Rosetta and HYDRUS-1D. The equation is:

$$\theta = \theta_r - \frac{(\theta_s - \theta_r)}{\left[1 + (\alpha\psi)^n\right]^m} \quad \text{Eq. 2.6}$$

where  $\theta_r$  is the residual soil water content,  $\theta_s$  is the saturated soil water content,  $\alpha$  is approximately equal to the inverse of the air entry value,  $n$  is a fitting parameter that governs the water release rate, and  $m = 1 - 1/n$ . The calculated water content is then used in FLO-2D, using the form of relative saturation:

$$\Theta = \left( \frac{\theta - \theta_r}{\theta_s - \theta_r} \right) \quad \text{Eq. 2.7}$$

A wetting front soil suction value ( $\psi_s$ ) used in the G-A equation is derived from knowledge of the water content and the van Genuchten equation. The variable is defined as the integral of the soil matric potential across the wetting front by the following equation (Neuman, 1976):

$$|\psi_s| = \int_0^{|\psi|} k_r(\psi) d|\psi| \quad \text{Eq. 2.8}$$

where  $k_r(\psi)$  is the relative hydraulic conductivity as a function of the soil matric potential. The limits for the integral reflect a completely saturated condition (0) and the unsaturated condition ( $\psi$ ). The matric potential is also described in Mualem (1976) by the following equation:

$$k_r(\psi) = \frac{\left\{ 1 - (\alpha\psi)^{n-1} \left[ 1 + (\alpha\psi)^n \right]^{-m} \right\}^2}{\left[ 1 + (\alpha\psi)^n \right]^{m/2}} \quad \text{Eq. 2.9}$$

The value of  $k_r(\psi)$  is then recalculated across the range in potentials and then evaluated inside the integral to obtain  $\psi_s$ . This value of  $\psi_s$  is the matric G-A parameter value used in the FLO-2D model.

In addition to  $k_s$ ,  $\psi_s$ , and  $\Theta$ , two other parameters are required as input to the data file of FLO-2D. The first is the initial abstraction (Ia) value. Referenced from Shafer et al. (2009), this value describes that portion of the rainfall that falls on rocks and plants and does not contribute to infiltration or runoff. The other value, labeled IMP, describes the

percentage of impervious area in each grid. This value also includes rocks and plants; however, this variable does contribute to the amount of runoff calculated by the model.

#### 2.5.4 FLO-2D

FLO-2D (O'Brien 2007) is a deterministic model based on simple volume conservation. The software uses both finite difference methods and the dynamic wave momentum equations to route flows over the model topographic domain. Floodwave progression of the flows over unconfined surfaces is controlled by topography and resistance to flow. There are eight potential directions the flows can be routed, including the four compass directions (north, south, east, and west) and the diagonal directions (northeast, northwest, southeast, and southwest). Velocity in each direction is calculated independently of the other seven (O'Brien, 2007).

FLO-2D (O'Brien, 2007) simulates unconfined overland flow using topographic data developed from a digital terrain model. The FLO-2D software package includes a grid developer system (GDS) that overlays a square grid system onto a set of random digital terrain (DTM) points. The data are pre-processed into a series of ASCII files organized by model components.

The FLO-2D model developed for this project was comprised of three main modular subroutines: Control, Floodplain, and Physical Processes. Control modules are the CONT.DAT and the TOLER.DAT files. The Floodplain modules are the CADPTS.DAT and the FPLAIN.DAT files. The Physical Process modules are the OUTFLOW.DAT,

RAIN.DAT, and INFIL.DAT files. Each file controls a different aspect of the overall model. Diagrams of the Control, Floodplain, and Physical process modular subroutines are shown in the following Figures 2.2, 2.3, and 2.4

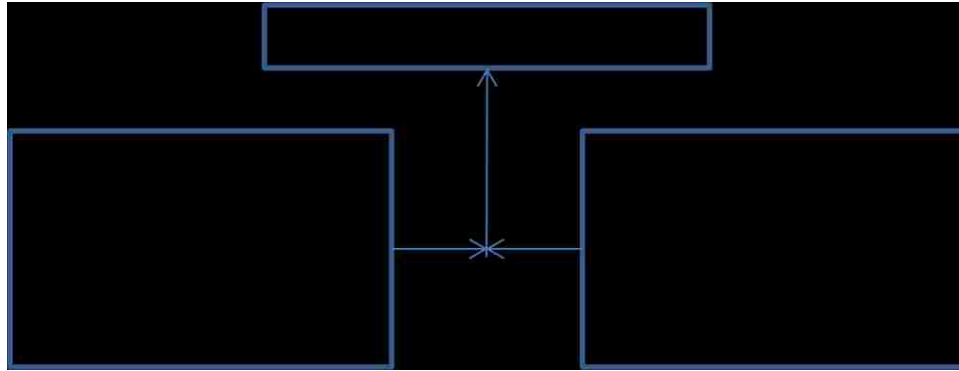


Figure 2.2 Control Subroutine Module (modified from Miller, 1996)

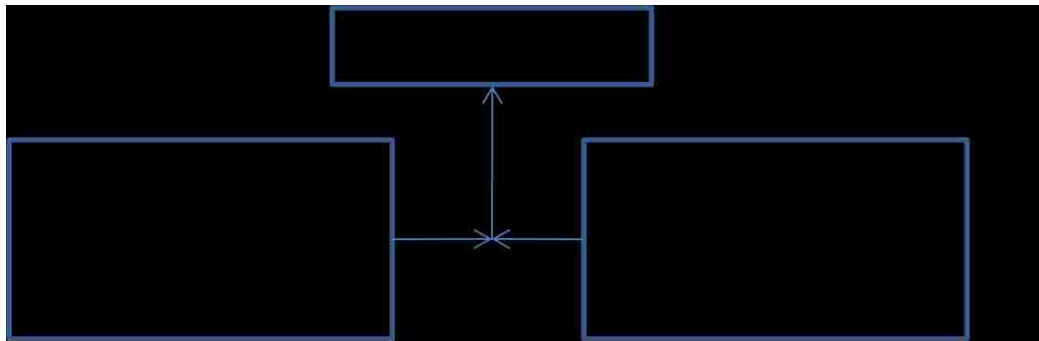


Figure 2.3 Floodplain Subroutine Module (modified from Miller, 1996)

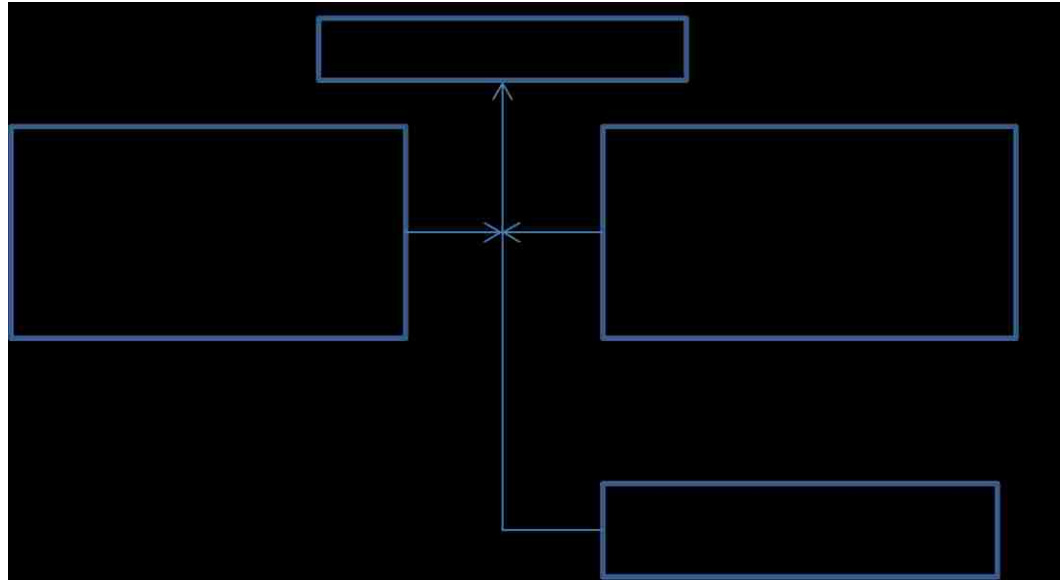


Figure 2.4 Physical Processes Subroutine Module (modified from Miller, 1996)

### 2.5.5 HEC-1

Developed by the Hydrologic Engineering Center (HEC) of the U.S Army Corps of Engineers, the Hydrologic Modeling System (HEC-HMS) is considered to be the standard hydrologic model used in the United States (Singh and Frevert, 2006). HEC-HMS is based on the previous software package developed by the HEC called HEC-1. The HEC-1 package was originally released in 1968 with the final version being released in 1998 (USACE, 1998). HEC-1 is a lumped parameter model, which represents spatially varied values as single variables. Typically, this is done with a weighted average. Due to



its widespread acceptance and availability, HEC-1 was used as the lumped parameter model in this study.

The HEC-1 model developed for this thesis can also be described as three modules labeled Control, Floodplain, and Physical Processes. The Control group is comprised of the IA and IO Cards. These cards control the timestep function within the software. The Floodplain group is comprised of the BA card and the UD card. These cards control the basin area and the lag time at each sub-basin. The Physical Processes group controls the precipitation and the soil parameters. The HEC-1 input has been organized in Figures 2.5, 2.6, and 2.7 to follow the same scheme as shown for the FLO-2D subroutines.

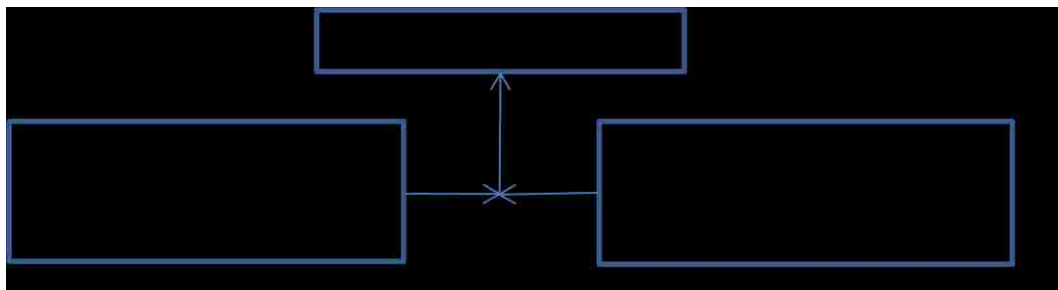


Figure 2.5 Control Subroutines for HEC-1 Data Input

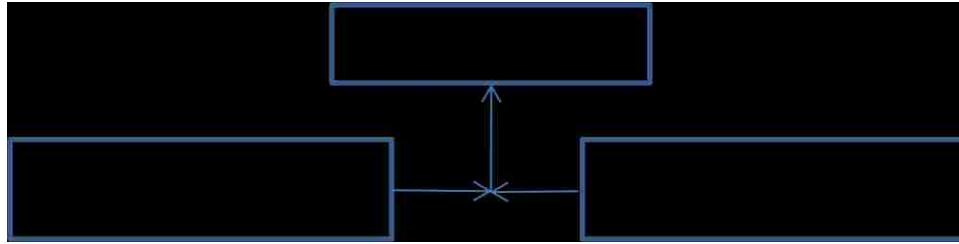


Figure 2.6 Floodplain Subroutines for HEC-1 Data Input

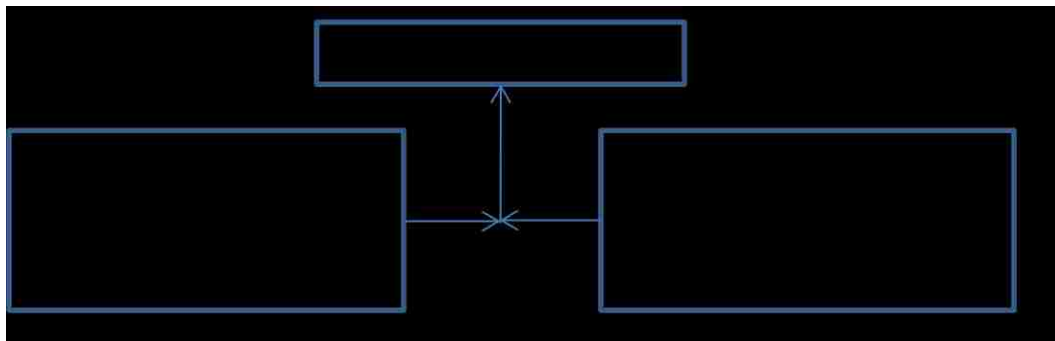


Figure 2.7 Physical Processes Subroutines for HEC-1 Data Input

## CHAPTER 3

### METHODS

This thesis develops a method by which the effects of AMC and storm frequency can be evaluated on a watershed in the arid Mojave Desert. A brief discussion of the area is provided to show the complexity of the issue as it pertains to the southwest U.S. Existing models can be used regardless of the diverse character of the watershed. Those models that are either developed by or approved by U.S. agencies lend themselves to a streamlined method of evaluating watersheds. HEC-1 (USACE, 1998) and FLO-2D (O'Brien, 2007) are two such modeling packages. However, the raw data are useless to these two software packages unless converted to a usable form.

This section describes a method by which the raw data are developed into values that the HEC-1 and the FLO-2D software packages can use. Each step develops a single G-A parameter for use in the final hydrologic/hydraulic model. First, Rosetta is used to estimate the van Genuchten parameters as well as the final  $K_s$  value. These values are used for the HYDRUS-1D simulations to develop the AMC values at the different drying times. These values provide the basis for comparing the influence on runoff using the G-A approach. Then, the van Genuchten parameters and the AMC values are input to the spreadsheet for calculating the corresponding G-A wetting front soil suction values used in the final hydrologic/hydraulic models.

The last step before using the hydrologic/hydraulic models is to develop the precipitation values. Values are referenced from the National Oceanic and Atmospheric Administration (NOAA) website (NOAA, 2010 accessed on 30, March 2010). Simulations for each frequency of storm event (i.e. 500-, 100-, 50-, 25-, and 10-year) are evaluated for each drying time (i.e. 0, 1, 5, 10, and 30 days). A total of 60 simulations were conducted in each of the two hydrologic/hydraulic models.

### 3.1 Study Area

The study is conducted on a 228 km<sup>2</sup> watershed in northern Clark County Nevada in the Mojave Desert. The watershed location is shown below in Figure 3.1. The average annual precipitation calculated from September 1999 to August 2008 is 89.5 mm at this location. Two types of storm events occur in the area. Short duration, high intensity convective storms occur in the summer. These are generally localized and isolated. Winter storms are generally long duration, low intensity. These events are generally regional and much larger in area. The majority of the annual precipitation occurs in the winter. Elevations in the study area range from 924 m at the floodplain, and 1,846 m in the mountains (Shafer et al., 2009). Average daily temperatures range from -9° C in the winter to 35° C in the summer (WU 2010).

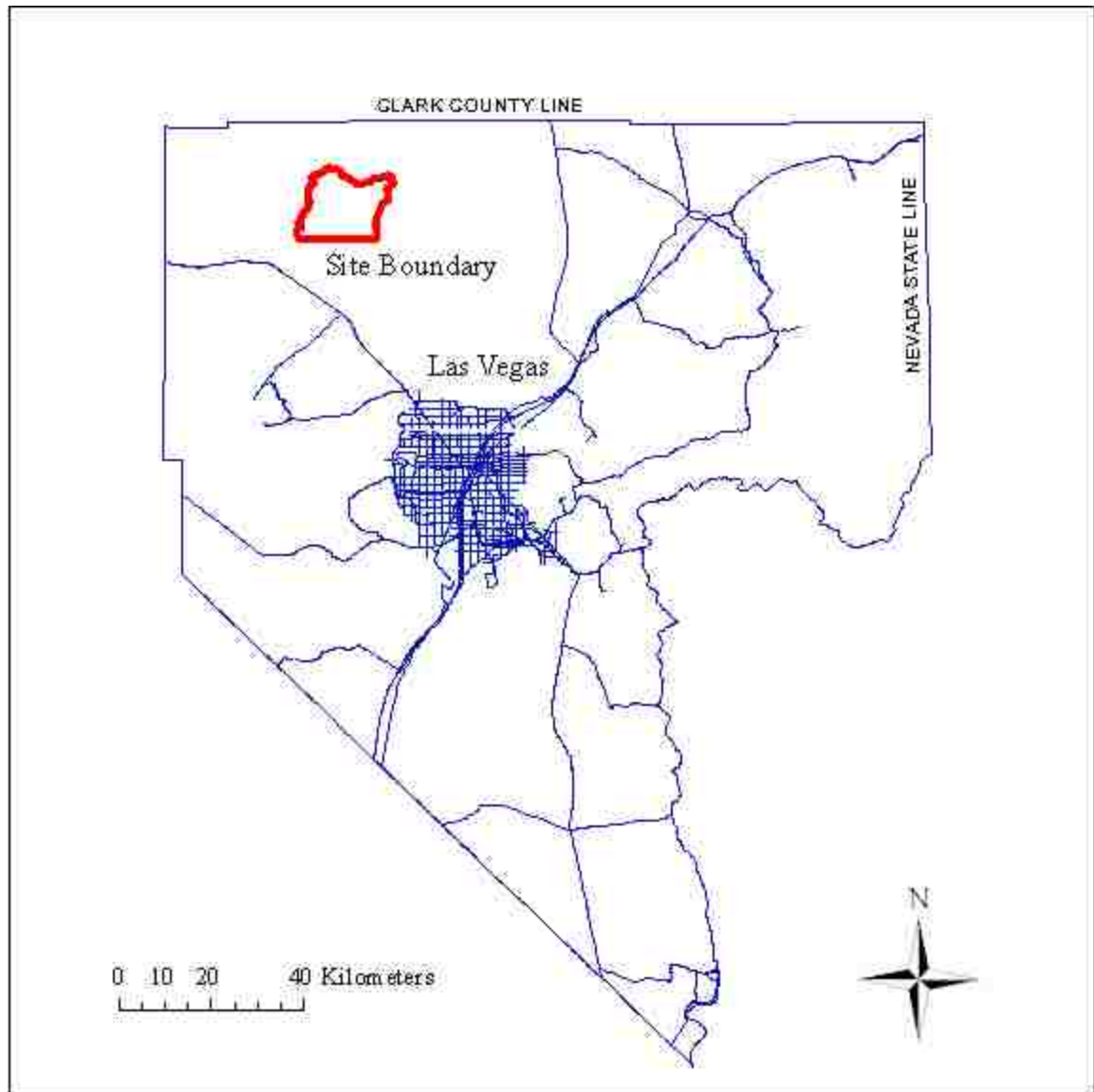


Figure 3.1 Watershed Location Map

The geology and vegetation in the area are typical to the northern Mojave Desert. The geology includes mountainous regions, alluvial fans, and a playa at the southern boundary of the model extent. Vegetation in the area consists of low desert shrubs, such

as White Bursage (*Ambrosia dumosa*), Saltbrush (*Atriplex canescens*), and Mormon Tea (*Ephedra spp*), as well us Joshua Tree (*Yucca brevifolia*), and species of *Opuntia* cactus.

### 3.1.1 Soil Surfaces

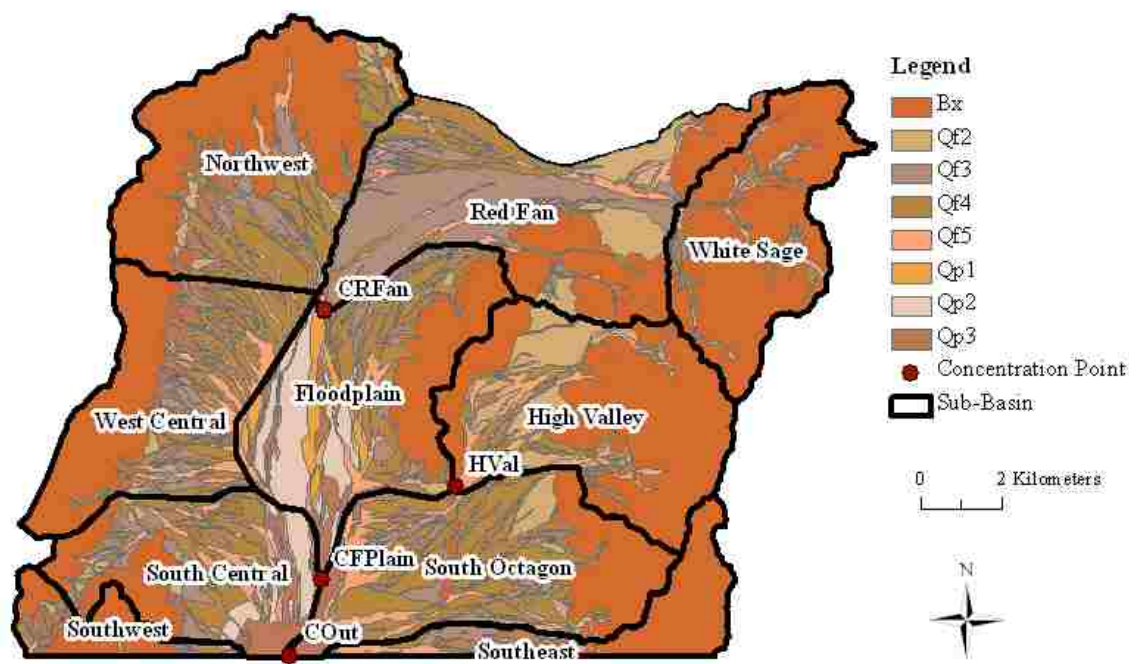


Figure 3.2 Mojave Desert Study Area Soil Surface Map from Shafer et al. (2009)

A brief description of each surface has been referenced from Shafer et al. (2009).

- Qf2 surfaces are remnant and eroded alluvial fan landforms. This surface exhibits a moderately-developed desert pavement surface.

- Qf3 surfaces are dissected alluvial fan surfaces. This surface has a well-developed desert pavement, and consists of tightly-packed, angular cobble to gravel sized varnished veneer. The Qf3 surface is also distinct in its red appearance.
- Qf4 surfaces are alluvial fans. This is the most common surface within the watershed. These surfaces have a discontinuous, poorly- to moderately-developed, angular to sub-rounded, gravel- and cobble sized pavement. Subdued bar and swale morphology is visible on some Qf4 surfaces.
- Qf5 surfaces are alluvial terraces. This surface consists of angular to sub-angular, cobble- to gravel-sized lag at the surface. These surfaces exhibit moderately- to well-formed bar and swale micro-topography. Qf5 surfaces are commonly dissected by active washes.
- Qp1 surfaces are the most recently deposited. These surfaces consist of a mixture of clast sizes, ranging from sub-angular to rounded gravels, to sand and silt.
- Qp2 are the most common of the alluvial plain surfaces. A variable moderately- to well developed desert pavement covers this landform.
- Qp3 surfaces are on the alluvial plain. Located in isolated low gradient areas, they are limited in the watershed area. The well developed desert pavement surfaces are similar to the Qf3 surface.

The percentage area of each of the soil surfaces is shown in Figure 3.3.

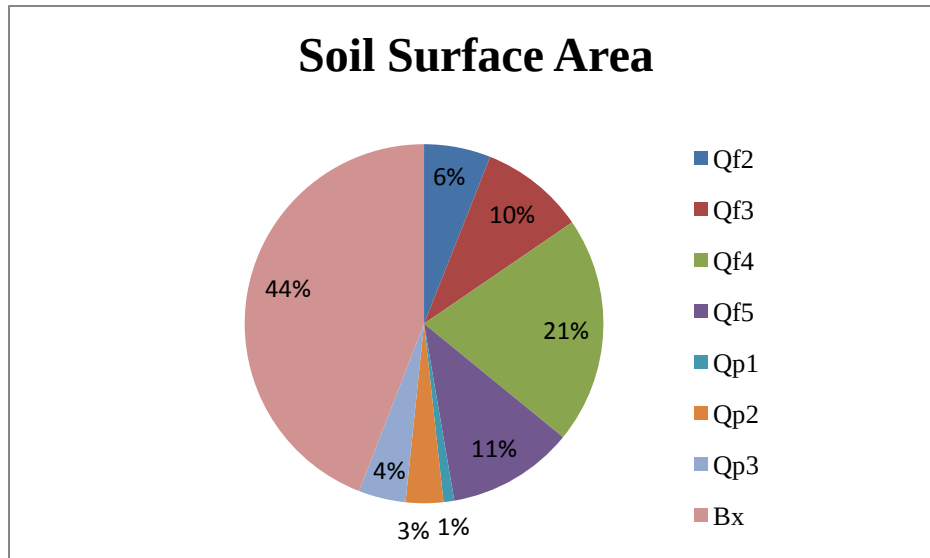


Figure 3.3 Percentage Area of Soil Surfaces for the Mojave Desert Watershed

Figure 3.2 shows that the watershed has been sub-divided into 10 sub-basins labeled White Sage, Red Fan, Northwest, West Central, Floodplain, High Valley, South Octagon, South Central, Southeast, and Southwest. Each is delineated according to the topography of the area. These are the sub-basins that are used in the HEC-1 model. The percentage area that each soil surface occupies on the watershed is shown in Figure 3.4.

Of particular interest to this thesis is avulsion, a process by which flows are diverted out of an established channel into a new course at a lower level (Middleton, 2003). Avulsion can have the effect of increasing or decreasing a sub-basin area. The process can be quite pronounced in a braided channel system. There are a number of ways that



this can happen in a natural environment. Typically, this is caused by a change in gradient such as a transition from mountainous region to floodplain in the FLO-2D model. Within the FLO-2D model this will occur when the flow depth exceeds an adjacent grid cell elevation.

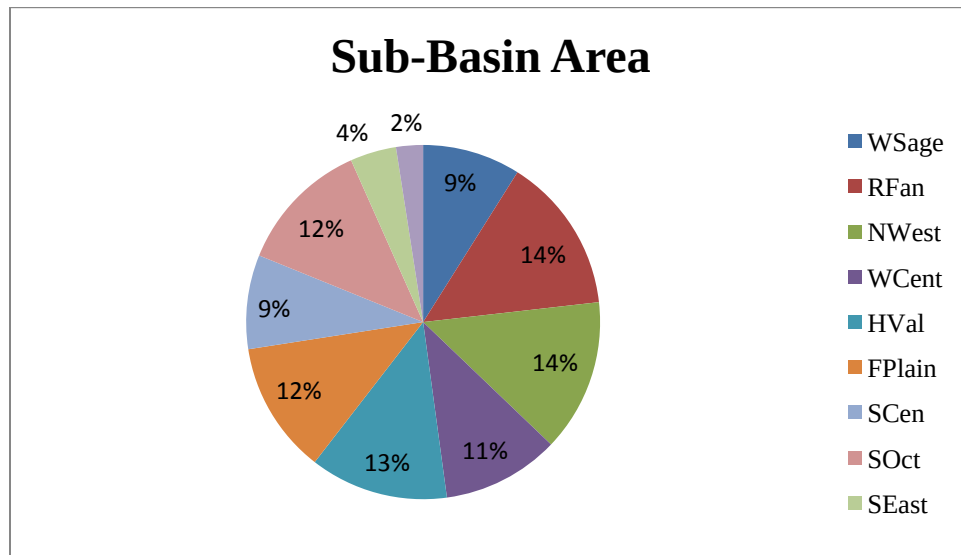


Figure 3.4 Percentage Area of Sub-Basins for the Mojave Desert Watershed

### 3.2 Watershed Characterization

Characterization of the watershed was accomplished using both digital and site characterization data, and both were taken from Shafer et al. (2009). Both methods are discussed further in this section.

### 3.2.1 Digital Characterization

Digital data developed for Shafer et al. (2009) defines the elevation information used in the final hydrologic/hydraulic models and was generated from United States Geologic Survey (USGS) DEMs. The grid size of the DEM is 10 m by 10 m. This grid size was later resized to a 30.5 m by 30.5 m grid in the FLO-2D model by merging multiple cells (Shafer et al. 2009). Elevations of each of the smaller cells were then averaged to reflect an overall number for the larger grid size. The watershed boundary, hillshade, and slope grids were all developed using this information in ArcGIS (version 9.2, by Environmental Systems Research Institute, Inc., Redlands, California). Using ArcGIS the boundary conditions in the x- and y- directions as well as the grid elevations were defined. Spatial variation of the soil data was also partially developed using digital data. Spatial variation of the different soil surfaces was defined using USGS 10 meter Digital Orthophoto Quarter Quadrangle photography provided by i-cubed ® and made available through ArcGIS online database. The surfaces were delineated in ArcGIS to create a polygon shapefile. This referenced data was also used in the final hydrologic/hydraulic models.

Boundary conditions for the model were set to provide limits within which the model could be consistently run. These boundary conditions were set by two different methods. The first was provided through the digital elevation model (DEM) provided by Shafer et al. (2009). The DEM provided the boundary conditions in the x- and the y-directions. Using the DEM, the high points for the no flow boundaries were established. The flux

boundary where runoff is moving off the watershed domain was also established using the DEM. No other boundary condition other than the node number was required in the model at the flux boundary condition. The boundary conditions in the z-direction (vertically up and down) are provided by the G-A equation itself, with the first boundary condition established at the soil surface. The rate by which the rainfall enters the soil is established by using two separate cases. The first case provides for the rainfall rate that is less than the soil hydraulic conductivity, in which all rainfall infiltrates. The second case is for the condition where the rainfall intensity is greater than the soil hydraulic conductivity. Both rainfall intensity and hydraulic conductivity are in units of length per time). For the second case, the soil infiltration rate is governed by the G-A equation described later in this thesis. The second boundary condition involves an infinite depth of homogeneous soil. The lower z-axis boundary condition is the wetting front below the soil surface.

### 3.2.2 Field Characterization

Referenced data used in the characterization of the watershed was gathered through rainfall simulator tests, tension infiltrometer tests, and soil samples. The initial abstraction ( $I_a$ ) values were developed using the RFS. These data were directly input into the final hydrologic/hydraulic models. All data were obtained from Shafer et al. (2009), and were further used in this thesis in the PTF to populate the geomorphic map shape file

of the watershed. A total of 171 PSD samples and 125 bulk density ( $\rho_b$ ) values were used. Further explanation of the development of the PTF is included in the following sections.

### 3.2.3 Referenced Data

Precipitation values used for the 10-, 25-, 50-, 100-and 500-year frequency storms were referenced from the NOAA's web site (2010): Values of 1.91, 3.20, 4.01, 4.70, 5.49, and 7.67 cm, respectively, were used in the comparison. Selection of the precipitation values was based on standard storm frequencies used in civil engineering design. The 10-, 25-, and 50-year frequency events are roadway design storms (NDOT, 2006). The 100-year storm is the standard used by most federal and state agencies, and the National Flood Insurance Program (NFIP) (FEMA, 2002). This storm is used to define the Special Flood Hazard Areas as shown on the NFIP Flood Insurance Rate Maps (FIRM). The 500-year storm is used by FEMA to designate a Shaded Zone X (FEMA, 1995). This is defined as an area prone to a 500-year flood.

### 3.3 Modeling Procedure

Precipitation variables are developed using standard hydrologic modeling procedures presented in the Clark County Regional Flood Control District (CCRFCD) Drainage Design Manual (1999) for developing rainfall precipitation and intensity values for southern Nevada. Therefore, the creation of hydrologic/hydraulic models is specific to an arid environment (although the method itself does have potential application in other

environments). Each step of the process involves commonly used standard software that simplifies the process and makes it more useful to stakeholders.

### 3.4 Pedotransfer Functions

Two types of PTFs were evaluated for this thesis. Continuous PTFs using soil sample data were evaluated with two separate linear regression methods. The first is the Backward Stepwise method and the second was the Best Subset regression method. Additionally, an ANN PTF was used to develop the  $K_s$  and van Genuchten parameters for use in the multi-model platform.

#### 3.4.1 Statistical Site Specific Pedotransfer Function

A linear regression analysis for the site specific PTF was conducted using the  $\rho_b$ , PSD, and the referenced  $K_s$  values. The independent variables were  $\rho_b$ , and percentages of gravel, sand, silt, and clay. The  $K_s$  value was selected as the dependent variable. Two methods for selecting the independent variable were used: a Backward Stepwise Regression and Best Subset Regression.

SigmaPlot 11.0 (Systat Software, 2008) automates the Backward Stepwise regression procedure. The technique selects independent variables for a multiple linear regression equation from a list of candidates through the use of an F-test. The F-test considers two individual equations. One equation has fewer variables than the first, and is a subset of the other. All of the variables in the smaller equation are a part of the larger equation. The

equation with the lower number of variables is considered the null hypothesis. If a (preset) difference is observed in the coefficient of determination values ( $R^2$ ) between the two separate equations, then the null hypothesis is rejected. In this case, the variable having the lowest impact on the regression, as specified from a minimum value of 3.9, is removed from the list. The process is then repeated until the prediction of the dependent variable is not significantly improved by adding or removing variables.

The Best Subset Regression method is also implemented using SigmaPlot (version 11.0, Systat). The criterion used for the selection of the subsets was the correlation coefficient, or  $R^2$ . This technique evaluates the variables in a multiple linear regression by systematically searching different combinations of independent variables and selecting subsets of variables that best contribute to predicting the dependent variables (Systat, 2008). Generally, the more variables used in an equation, the higher the  $R^2$  value. The Best Subset option provides the user a method to limit the number of subsets of final variables. In this case, the limit value of final variables was set at 1. The Variance Inflation Factor (VIF) is a measure of the multicollinearity. The VIF measures the “inflation” of the standard error for each regression coefficient due to redundant information. If the software calculates a VIF of 1.0, then no redundant information exists. A value much greater than 1.0 indicates redundant variables existing in the equation, and the redundant variable is removed from the equation automatically by the program. The method recommends a value of 4.0 for the analysis.

### 3.4.2 Rosetta and the Artificial Neural Network Pedo-Transfer Function

Soil samples for each soil surface were evaluated using the standard software package Rosetta (Schaap et al., 2001). As described earlier, Rosetta uses PSD and bulk density ( $\rho_{bs}$ ). Hydraulic conductivity values were corrected for the gravel content before and after the van Genuchten parameters were calculated with the Rosetta software.

Once adjustment to the bulk density is made, data can be imported to Rosetta by way of either a spreadsheet or database. A separate file for each surface is created in Rosetta using the sand, silt, and clay (SSC) and  $\rho_b$ . Once each file has been created, they are opened in Microsoft Access® and the SSC and  $\rho_b$  information can be pasted into the database file. Rosetta creates two additional databases after the ANN models have been run. One database includes calculated van Genuchten parameters, including the values for  $\theta_s, \theta_r, \alpha$ , and  $n$ . The  $\theta_s$  and the  $\theta_r$  values are given in percentages; however,  $\alpha$  and  $n$  values are given in their log10 value. The other database gives the log10  $K_s$  value for each record.

The next step in model development incorporates both output databases (created for each soil surface) into a single spreadsheet. Mean values for each field (i.e.,  $\theta_r$ ,  $\theta_s$ ,  $\log 10K_{sT}$ ,  $\log 10\alpha$ ,  $\log 10n$ , and  $l$ ) were calculated. Those values in log space were then transformed to their actual values. Values for  $\theta_r$ ,  $\theta_s$ ,  $\alpha$ ,  $n$ , and  $l$  are input to HYDRUS-1D. The  $K_s$  value calculated in Rosetta is a constant used in the FLO-2D model. It is also a

constant used for the development of the variables of  $\theta$  and  $\psi_s$ , which are described in detail in the next section.

### 3.5 Variation of Input Parameters

Because the van Genuchten parameters vary as a function of soil type, two separate processes were necessary to develop the G-A parameters used in the FLO-2D model. Variation of  $\theta_s$  values used in FLO-2D was accomplished by using HYDRUS-1D (Simunek et al., 1998) for time periods of 1, 5, 10, and 30 days. A spreadsheet based on the closed form equations developed by van Genuchten (1980) was used to calculate the varying  $\psi_s$  values.

Referenced soils data is first input to Rosetta where the van Genuchten parameters are calculated. A value of  $K_s$  is also calculated and this is the final value used. The output from Rosetta is then input to HYDRUS-1D where a  $\theta$  for each individual drying time is used. The  $\theta$  is then input to the spreadsheet with the van Genuchten equations. This calculates the  $\psi_s$ . A simplified example of the process is shown below in Figure 3.5.



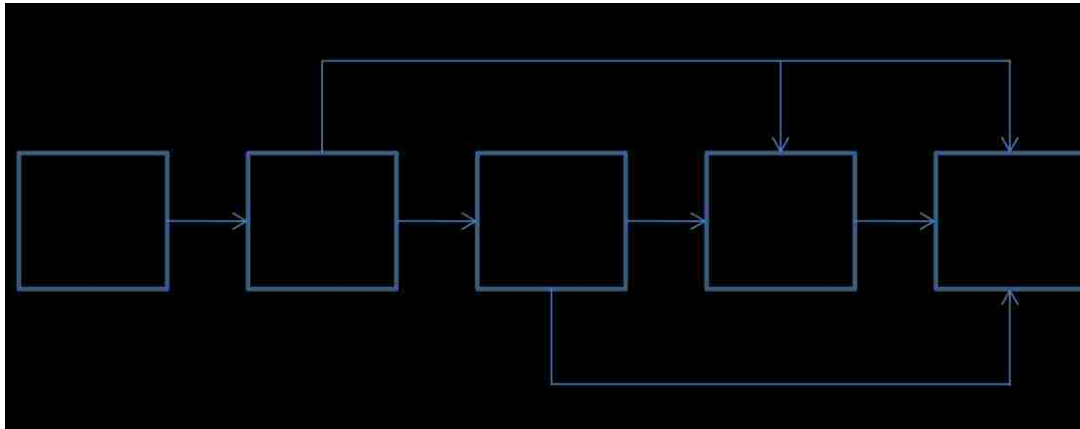


Figure 3.5 Development Process of G-A Soil Parameters

### 3.5.1 Development of Precipitation Values

The precipitation is defined by the duration, intensity, and frequency of the storm event. Standard methods for developing precipitation variables in southern Nevada use NOAA (NOAA, 2010) references for defining frequency, and CCRFCD (1999) for defining intensity. The design storm for the area is a 6 hour duration event that is typical in late summer months.

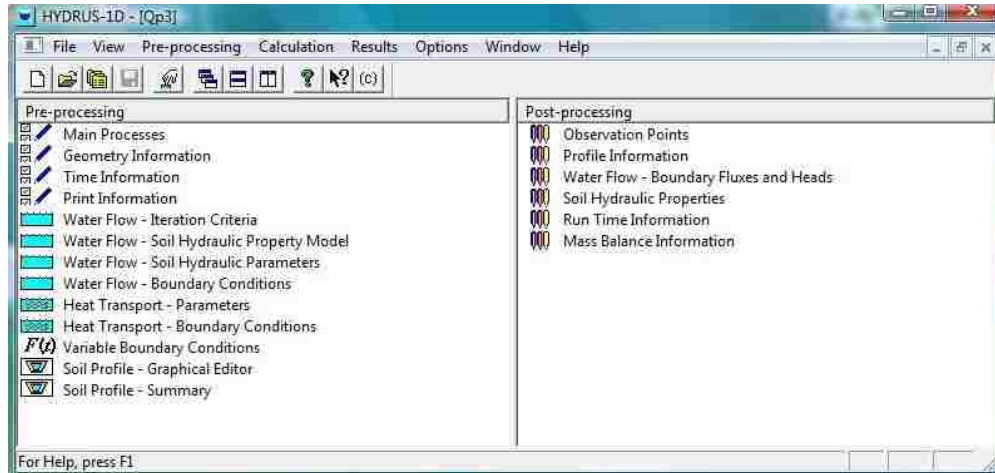
Varying precipitation intensity and storm duration are implemented in FLO-2D and HEC-1 through use of an s-curve. Referenced from the CCRFCD (1999), the Storm Distribution Number 5 (SDN5) s-curve simulates a 6 hour event for watersheds that are greater than 31.1 km<sup>2</sup> in area. Due to catchment size, the point precipitation value was scaled using a Depth Area Reduction Factor (DARF) of 0.62 (CCRFCD 1999). The point precipitation and s-curve values are used as input to FLO-2D, as discussed later in this

section. The point precipitation values used are 1.87-, 1.34-, 1.15-, 0.98-, and 0.78-inch for the 500-, 100-, 50-, 25-, and 10-year events.

It is important to consider the affect that the areal size of a storm, and subsequently the DARE, has on the calculated infiltration losses in FLO-2D and HEC-1. This is important especially during the first condition in G-A where  $w < K_s$ . In this case all rainfall infiltrates and no runoff is produced. As the areal size of a storm increases, the DARE decreases the rainfall intensity value. However, the  $K_s$  value is the same for all size storms.

### 3.5.2 HYDRUS-1D

Each soil surface was evaluated separately in the HYDRUS-1D software (Simunek et al., 1998), using the van Genuchten parameters of  $\theta_r$ ,  $\theta_s$ ,  $K_s$ ,  $\alpha$ ,  $n$ , and  $l$ , calculated in Rosetta. Soil drydown is defined as the time from a fully saturated condition until the next storm. This drydown occurred over a one month period, and snapshots of output were taken at 1, 5, 10 and 30 days. Input to HYDRUS-1D was subdivided into modules that are categorized as Main Control, Water Flow, Heat Transport, and Soil Profile Information. Additionally, a table is activated through the Time Information menu that allows for Variable Boundary Conditions as input. A copy of the HYDRUS-1D graphic user interface is shown in Figure 3.6.



### 3.5.3 van Genuchten and Green and Ampt Parameters

Output values developed in both Rosetta and HYDRUS 1D were input to the spreadsheet developed from the van Genuchten and the Mualem equations. The van Genuchten parameters of  $\theta_r$ ,  $\theta_s$ ,  $\alpha$ ,  $n$ , and  $l$  were used from the Rosetta output. The values of AMC (i.e.  $\theta_1$ ,  $\theta_5$ ,  $\theta_{10}$ ,  $\theta_{30}$ ) were then used to evaluate the corresponding  $\psi_s$ .

### 3.6 FLO-2D

Although the FLO-2D software provides a good geo-processor (the GDS), the method used to develop the  $\theta$  and the  $\psi_s$  values is specific to the Flood Control District of Maricopa Country, Arizona (FCDMC, 2009). The FLO-2D does not use the van Genuchten equations to develop the G-A parameters. Therefore, a new method was

developed for this study using ArcGIS to vary the G-A variables used in the FLO-2D model.

The INFIL.DAT file was developed in the ArcGIS environment for this study. Before that was done, a link between the FPLAIN.DAT file and the spatial variation of the soil parameters was created using the CADPTS.DAT file.

During the initial processing when the FPLAIN.DAT file is created, each node is given a numeric ID. The numeric ID is key to the development of the INFIL.DAT file, and it links soil parameters specific to that location in space. This was accomplished by processing the CADPTS.DAT file in ArcGIS and creating a point shape file.

The processing of the CADPTS.DAT data is straight forward; however, it is a step-by-step process that involves several different (although readily available) software packages. The first step in the process is to create a dBase file from the CADPTS.DAT file. As previously discussed, the CADPTS.DAT file is a text file that can be opened in any standard spreadsheet file (i.e., Microsoft Excel<sup>®</sup>), and exported to Microsoft Access<sup>®</sup>, for processing to FLO-2D. The next step in developing the INFIL.DAT file is to create a point shape file in the ArcGIS environment. Once the shape file with individual nodes is created, it can be spatially joined with the soils polygon shape file in ArcGIS to create the spatially varied portion of the INFIL.DAT file. The resulting point shape file combines the fields from both the point and the polygon shape files, which is then used as input in the FLO-2D model.

### 3.7 HEC-1

The unit hydrograph method was used in HEC-1. The information required for each sub-basin includes the sub-basin area; precipitation value, soil parameters, and runoff travel (lag) time. ArcGIS was used to develop many of the model input parameters for the Unit Hydrograph calculations.

Subdividing the watershed into smaller sub-basins is the initial step to development of the lumped parameter model. Ten individual sub-basins were delineated from the overall watershed. Each sub-basin is delineated in ArcGIS according to topography. Each was delineated with respect to size where possible to keep the sizes consistent.

The rainfall parameters used in the HEC-1 model are also the same as those used in FLO-2D. The models developed for this study use an SDN5 s-curve to define the unit hydrograph (just as in FLO-2D). The precipitation value is also the same value used in the FLO-2D model and referenced from NOAA (2010).

The HEC-1 model uses the same input variables of  $K_s$ ,  $\psi_s$ ,  $\theta$ ,  $IA$ , and  $IMP$  as the FLO-2D model. The soil values are averaged across each of sub-basin, which can be several km<sup>2</sup> in area. Typically, a sub-basin encompasses several soil surfaces, so an area-weighted average for soil properties was used. Given the difference in model types (lumped vs. distributed); the variations were expressed differently than in FLO-2D. ArcGIS was also used extensively for developing the G-A parameters used in the HEC-1 model.

The first step in creating weighted values for the soil parameters was to define smaller individual watersheds. Shape files were created in ArcGIS that defined the 10 individual sub-basins, ranging in size from 5.7 to 32.6 km<sup>2</sup> in area. Sub-basins were then intersected with the overall soil shape file to create individual soil shape files, each having the same overall boundary as the individual sub-basin shapes. Using the Calculate Geometry tool in ArcGIS, the area for each soil type could be calculated for each of the smaller soil type shape files.

Using the boundaries developed in the previous step, flow lengths used in the Lag time calculations were defined. Lag time for larger sub-basins (2.6 km<sup>2</sup> or larger) is defined by the concentrated flow travel time (CCRFCD, 1999). The equation used for HEC-1 lag times is based on the United States Bureau of Reclamation's (USBR). The study by the USBR (1989) evaluated several drainage basins in the Southwest desert, Great Basin, and Colorado Plateau area. The equation is as follows

$$T_{lag} = 20n(LL_c / S^{0.5})^{0.33} \quad \text{Eq. 3.4}$$

where  $n$  is the Manning's roughness coefficient,  $L$  is the length of the longest watercourse,  $L_c$  is the length along the longest watercourse measured upstream to a point opposite the centroid of the basin, and  $S$  is the slope in meters per km. Table 3.1 below shows the values used in the lag time calculations:

Table 3.1 USBR Variables and Sub-Basin Lag Times for the Mojave Desert Watershed

| Basin         | n    | L     | L <sub>c</sub> | S      | T <sub>Lag</sub> |
|---------------|------|-------|----------------|--------|------------------|
| Name          | (-)  | (km)  | (km)           | (m/km) | (hr)             |
| White Sage    | 0.40 | 4.23  | 2.20           | 13.98  | 0.60             |
| Red Fan       | 0.40 | 11.23 | 7.39           | 17.13  | 1.19             |
| North West    | 0.40 | 6.24  | 3.28           | 35.25  | 0.67             |
| West Central  | 0.40 | 4.31  | 3.03           | 142.74 | 0.46             |
| High Valley   | 0.40 | 9.85  | 6.05           | 63.80  | 0.86             |
| Floodplain    | 0.40 | 10.57 | 4.62           | 29.45  | 0.92             |
| South Central | 0.40 | 7.05  | 3.32           | 62.20  | 0.64             |
| South Octagon | 0.40 | 9.32  | 5.60           | 32.09  | 0.92             |
| South East    | 0.40 | 5.42  | 2.00           | 103.19 | 0.45             |
| South West    | 0.40 | 1.88  | 0.77           | 63.01  | 0.25             |

Variation of lag times can significantly affect calculated flowrates at each Concentration Point. If peaks for each sub-basin upstream of a concentration point occur at different times, the resulting peak flowrate from the super-positioned addition of the hydrographs will differ from the addition of two sub-basin peak flowrates.

## CHAPTER 4

### RESULTS AND DISCUSSION

Results from each step of the multi-model process are presented in this chapter. Discussion in the chapter focuses on the progression of the soils data as they are used first for establishing the van Genuchten parameters, and then in the G-A parameters. Peak flowrates calculated in FLO-2D and HEC-1 are then presented. A sensitivity analysis presents the differences between the two models.

#### 4.1 Soil Samples and Soil Parameter Variability

Soil data obtained from Shafer et al. (2009) were characterized to a depth of 2.5 cm and averaged for each geomorphic surface to determine a textural classification. Mean PSD values for all seven geomorphic surfaces indicate that the watershed soils are predominately sandy. Using the mean values of the PSD, each surface was evaluated to determine a textural classification, which was found to be sandy loam across the entire watershed. Table 4.1 shows a summary of the PSD,  $\rho_{bs}$ , and textural classification for each soil.

#### 4.2 Pedo-Transfer Functions

Several PTFs were evaluated for this thesis. The first two methods used linear regression techniques to develop continuous PTFs. The Rosetta ANN is also used to



develop the  $K_s$  value for this thesis. The following section discusses these PTF in greater detail.

Table 4.1 Soil Sample PSD and Textural Class

| Surface         | Area<br>(km <sup>2</sup> ) | No. of<br>Samples | Averages    |             |             | $\rho_{bs}$<br>(g/cm <sup>3</sup> ) | <sup>1</sup> Textural Class |
|-----------------|----------------------------|-------------------|-------------|-------------|-------------|-------------------------------------|-----------------------------|
|                 |                            |                   | Sand<br>(%) | Silt<br>(%) | Clay<br>(%) |                                     |                             |
| Qf2             | 13.7                       | 46                | 63.99       | 26.59       | 9.28        | 1.43                                | Sandy Loam                  |
| Qf3             | 21.5                       | 45                | 62.00       | 27.79       | 10.07       | 1.45                                | Sandy Loam                  |
| Qf4             | 46.6                       | 12                | 62.31       | 29.77       | 7.78        | 1.53                                | Sandy Loam                  |
| Qf5             | 26.0                       | 29                | 71.74       | 21.61       | 6.55        | 1.63                                | Sandy Loam                  |
| Qp1             | 2.2                        | 11                | 73.22       | 17.80       | 8.83        | 1.52                                | Sandy Loam                  |
| Qp2             | 7.7                        | 12                | 75.36       | 15.37       | 9.05        | 1.67                                | Sandy Loam                  |
| Qp3             | 9.7                        | 16                | 68.60       | 23.87       | 7.43        | 1.49                                | Sandy Loam                  |
| <sup>2</sup> Bx | 100.5                      | NA                | NA          | NA          | NA          | NA                                  | NA                          |

<sup>1</sup>Textural class calculated from referenced average SSC and  $\rho_{bs}$ .

<sup>2</sup>Bedrock (Bx) was not sampled in the referenced study.

<sup>3</sup>SSC and  $\rho_b$  referenced from Shafer et al. (2009)

#### 4.2.1 Best Subset Regression

The initial set of variables include  $\rho_{bs}$ , percent sand, percent silt, and Rating, which is a visual measure of the soil structure, ranging from weak to strong using values of 1 through 5, respectively.

The resulting equation gave an  $R^2$  value of 0.136, with the optimum parameter set being  $\rho_{bs}$ , percent sand, and Rating. The variable inflation factor (VIF) values are 1.206, 1.041, and 1.229, respectively. The resulting equation is:

$$K_s = 0.137 + 0.651 * \rho_{bs} + 1.375 * \% \text{sand} - 0.172 * \text{Rating} \quad \text{Eq. 4.1}$$

The  $R^2$  value of 0.136 is very low, thus it was concluded that this equation does not provide an accurate estimate for  $K_s$ . Therefore, the linear regression PTF was not used for this study.

#### 4.2.2 Backward Stepwise Analysis

Additionally, a backward stepwise analysis was conducted to evaluate  $K_s$  using data from Shafer et al. (2009). The initial set of variables includes  $\rho_{bs}$ , % sand, % silt, and Rating.

The analysis indicates that  $K_s$  can be predicted from percent sand and Rating, when used as dependent variables. The P test gave results of <0.001 and 0.050, respectively. The P value is the probability that an association exists between the independent and dependent variable. A smaller P value indicates a greater the probability of an association. The resulting equation has an  $R^2$  value of 0.120. The resulting equation is:

$$K_s = 1.560 + 1.086 * \text{percent sand} - 0.230 * \text{Rating} \quad \text{Eq. 4.2}$$

The  $R^2$  value of 0.120 was also found to be very low, and as a result the linear regression PTF was not be used for this study.

#### 4.2.3 Rosetta

The Rosetta PTF function for  $\text{SSC}\rho_b$  was used for this study. Each soil sample was evaluated in Rosetta using the percent sand, percent silt, percent clay, and  $\rho_b$ . The

calculated van Genuchten parameters for individual samples were then averaged (Table 4.2).

Table 4.2 Rosetta Calculated van Genuchten Parameters

| Surface | $\alpha$ | $n$  | $^1\theta_r$ | $^1\theta_s$ | $K_s$   | $l$    |
|---------|----------|------|--------------|--------------|---------|--------|
|         | (1/cm)   | (-)  | (-)          | (-)          | (cm/hr) | (-)    |
| Qf2     | 0.03     | 1.51 | 0.04         | 0.39         | 1.74    | -0.797 |
| Qf3     | 0.03     | 1.50 | 0.04         | 0.39         | 1.36    | -0.835 |
| Qf4     | 0.03     | 1.45 | 0.04         | 0.36         | 0.98    | -1.113 |
| Qf5     | 0.04     | 1.58 | 0.04         | 0.35         | 1.26    | -1.358 |
| Qp1     | 0.04     | 1.55 | 0.04         | 0.38         | 2.11    | -1.069 |
| Qp2     | 0.04     | 1.57 | 0.04         | 0.34         | 1.45    | -1.390 |
| Qp3     | 0.03     | 1.60 | 0.04         | 0.38         | 1.70    | -0.868 |

<sup>1</sup>Water content values are volumetric.

Little variation was observed in the values for  $\alpha$ ,  $n$ ,  $\theta_r$ ,  $\theta_s$ , and  $l$  parameters, and values were consistent for all soil samples. However, there does appear to be more variation in the calculated  $K_s$  values. Specifically, the value for Qp1 is relatively high in comparison with the other values. This will affect the calculated flowrates at the outfall of the watershed, as the Qp1 surface is located on the floodplain. The majority of the runoff generated on the watershed will flow through this point to get to the outfall.

### 4.3 Variation of Input Parameters

All G-A parameters were varied spatially in both the HEC-1 and the FLO-2D models. The values of  $K_s$ ,  $\theta$ , and  $\psi_s$  are all unique to each soil surface in FLO-2D and to each sub-basin in HEC-1. The  $K_s$  values do vary spatially; however, they do not vary temporally. The  $\theta$  and  $\psi_s$  values also vary and are unique to each drying period and soil surface.

#### 4.3.1 Variation of Hydraulic Conductivity

Values of  $K_s$  calculated for the FLO-2D model are shown in Table 4.3

| Table 4.3 Rosetta Calculated PTF Values for FLO-2D |                    |         |
|----------------------------------------------------|--------------------|---------|
| Soil Surface                                       | Area               | $K_s$   |
|                                                    | (km <sup>2</sup> ) | (cm/hr) |
| Qf2                                                | 13.7               | 1.74    |
| Qf3                                                | 21.5               | 1.36    |
| Qf4                                                | 46.6               | 0.98    |
| Qf5                                                | 26.0               | 1.26    |
| Qp1                                                | 2.2                | 2.11    |
| Qp2                                                | 7.7                | 1.45    |
| Qp3                                                | 9.7                | 1.70    |
| Bx                                                 | 100.5              | NA      |

The first PTF developed by Rosetta provided soil values using a Class PTF function, which was not used because all of the samples were a sandy loam; hence, all the property values would be the same. The second PTF uses the SSC percentages from the PSD

analysis. This PTF was not used because more field data was available. Although including additional data does not necessarily mean that the PTF will be more accurate, the source of the data should be considered. The third PTF uses  $SSC\rho_b$ , with bulk density values taken from Shafer et al. (2009). Two additional PTFs are possible that use  $SSC\rho_b$  and water content at two different matric potentials (33 and 1500 kPa); neither were used as these data were not available using site-specific samples. Of the five PTFs available in Rosetta only the  $SSC\rho_b$  PTFs was used. PTFs for SSC and  $SSC\rho_b$  were evaluated.

In addition to the G-A parameter values used in the model, two other variables are required for both FLO-2D and HEC-1, specifically IMP and the  $I_a$  values, which are consistent in both models. Both variables were varied spatially in the HEC-1 and the FLO-2D models, but they do not vary temporally. The IMP value in both models was set at 100 percent for the bedrock (Bx) and 5-percent for all other surfaces, and the  $I_a$  values were taken from Shafer et al. (2009). Values of the weighted average  $K_s$  values are shown in Table 4.4.

Some difference in the  $K_s$  values used in FLO-2D versus HEC-1 was observed. The values calculated for each surface in FLO-2D ranges from 0.98 cm/hr. to 2.11 cm/hr. The weighted values used in HEC-1 range from 1.17 cm/hr to 1.41 cm/hr. HEC-1 does not distribute the  $K_s$  variation throughout the model very effectively.

Table 4.4  $K_s$  Values for HEC-1 Models

| Sub-Basin<br>Name | Sub-Basin<br>Abbreviation | Area<br>(km <sup>2</sup> ) | $K_s$<br>(cm/hr) |
|-------------------|---------------------------|----------------------------|------------------|
| White Sage        | WSage                     | 20.4                       | 1.17             |
| Red Fan           | RFan                      | 32.5                       | 1.34             |
| Northwest         | NWest                     | 31.8                       | 1.21             |
| West Central      | WCent                     | 24.4                       | 1.21             |
| High Valley       | HVal                      | 28.8                       | 1.41             |
| Flood Plain       | FPlain                    | 27.5                       | 1.37             |
| South Central     | SCen                      | 19.6                       | 1.31             |
| South Octagon     | SOct                      | 27.8                       | 1.19             |
| Southeast         | SEast                     | 9.6                        | 1.26             |
| Southwest         | SWest                     | 5.6                        | 1.39             |

#### 4.3.2 Variation of Water Content using HYDRUS-1D

The saturated water content value, expressed as relative saturation, was taken as the starting condition in HYDRUS-1D, and the resulting decrease in water content with time was then a function of atmospheric conditions and the soil properties. Initially, the soil dries relatively rapidly (Figure 4.1), as seen by the steep drop in water content for the first 5 days of drying. After 5 days the change in the  $\theta$  diminished. After approximately 21 days the water content value appears to stabilize at about 30-40 percent for all surfaces.

Although a difference in the water content between the different surfaces was observed, the difference is constant over the 30 day drying period. The shapes of traces for all surfaces were similar, and the drydown rates appear to be similar as well, although final water content values are different based on textural differences. These results indicate that the soils react in a predictable and consistent manner over the course of the 30-day drying period. This consistency also indicates that the watershed runoff response

should react predictably for the different drying times. A summary of the  $\theta$  values for all seven surfaces is included in Table 4.5.

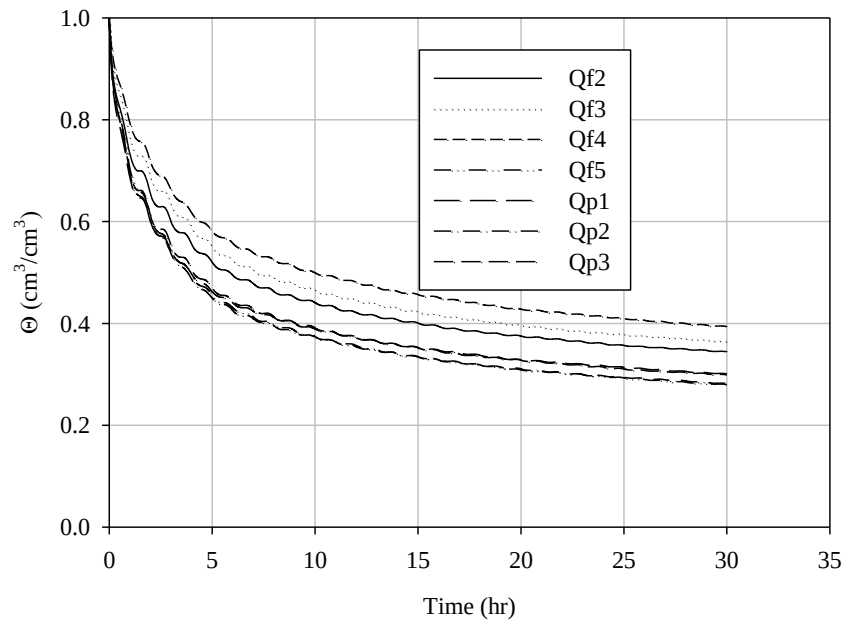


Figure 4.1 Water Content Variation vs. Time for Soil Surfaces on the Mojave Desert Watershed

Table 4.5 Variation of Soil Saturation Values for the FLO-2D Model

| Surface | $\Theta_1$ | $\Theta_5$ | $\Theta_{10}$ | $\Theta_{30}$ |
|---------|------------|------------|---------------|---------------|
| Qf2     | 0.70       | 0.46       | 0.37          | 0.26          |
| Qf3     | 0.73       | 0.49       | 0.40          | 0.28          |
| Qf4     | 0.77       | 0.53       | 0.44          | 0.32          |
| Qf5     | 0.67       | 0.39       | 0.30          | 0.19          |
| Qp1     | 0.65       | 0.40       | 0.31          | 0.21          |
| Qp2     | 0.65       | 0.37       | 0.28          | 0.18          |
| Qp3     | 0.66       | 0.40       | 0.32          | 0.21          |
| Min     | 0.65       | 0.37       | 0.28          | 0.18          |
| Max     | 0.77       | 0.53       | 0.44          | 0.32          |

Note that the saturation values are input to the FLO-2D model as soil water deficits, which is the difference between the fully saturated condition (i.e.  $\Theta_s = 1$ ) and the value taken at the specific dry time. For example, for a 1-day drying time at Qf2 the deficit would be  $\Theta_s - \Theta_1$ , or  $1.00 - 0.70 = 0.30$ .

Input variables used for the HEC-1 model are developed in a different manner. Weighted values of the soil saturation are calculated for each sub-basin by the percentage of the surface area that it occupies and then summed. As with the FLO-2D model, saturation values were evaluated for each surface and for different drying times (Table 4.6).

A substantial difference was observed in the  $\Theta$  values used in FLO-2D versus HEC-1. The values calculated for each individual surface in FLO-2D for the 1-, 5-, 10-, and 30-day drying times range from 0.65 - 0.77; 0.37 - 0.53; 0.28 - 0.44; and, 0.18 - 0.32, respectively. The weighted values used in each sub-basin for HEC-1 for the 1-, 5-, 10-,



and 30-day drying times range from 0.70 - 0.73; 0.43 - 0.49; 0.35 - 0.39; and 0.24 - 0.28, respectively. The  $\theta$  values used in the FLO-2D model vary more than the values used in HEC-1.

Table 4.6 Variation of Soil Saturation Values for the HEC-1 Model

| Sub-basin | $\theta_1$ | $\theta_5$ | $\theta_{10}$ | $\theta_{30}$ |
|-----------|------------|------------|---------------|---------------|
| Name      | (-)        | (-)        | (-)           | (-)           |
| WSage     | 0.73       | 0.47       | 0.38          | 0.27          |
| RFan      | 0.73       | 0.48       | 0.39          | 0.27          |
| NWest     | 0.73       | 0.49       | 0.39          | 0.28          |
| WCent     | 0.73       | 0.47       | 0.38          | 0.27          |
| HVal      | 0.71       | 0.46       | 0.37          | 0.26          |
| FPlain    | 0.70       | 0.43       | 0.35          | 0.24          |
| SCen      | 0.71       | 0.45       | 0.36          | 0.25          |
| SOct      | 0.73       | 0.48       | 0.39          | 0.28          |
| SEast     | 0.72       | 0.47       | 0.38          | 0.27          |
| SWest     | 0.70       | 0.45       | 0.36          | 0.25          |
| Min.      | 0.70       | 0.43       | 0.35          | 0.24          |
| Max.      | 0.73       | 0.49       | 0.39          | 0.28          |

#### 4.3.3 van Genuchten and the Calculation of Green and Ampt Parameters

The water retention curves for all seven surfaces were compared (Figure 4.2). Although it appears as though some variation exists, the curves are fairly close, with Qf5 and Qp2 found to be nearly identical. The relationship of water content to soil water tension is also similar for the Qf2 and the Qf3 soils at fully saturated conditions. Although the graphs have a consistent shape,  $\theta$  varies with individual  $\psi$  values. For example, Figure 4.2 shows that at a  $\psi$  value of 10 cm the  $\theta$  values range from

approximately 0.34 to 0.38. This variation would affect the hydraulic conductivity in the field. However, the G-A method assumes a fully saturated condition. Figure 4.2 indicates that the relationship of soil water content to soil tension is close for all surfaces, especially for soil water tensions of 10,000 cm and higher.

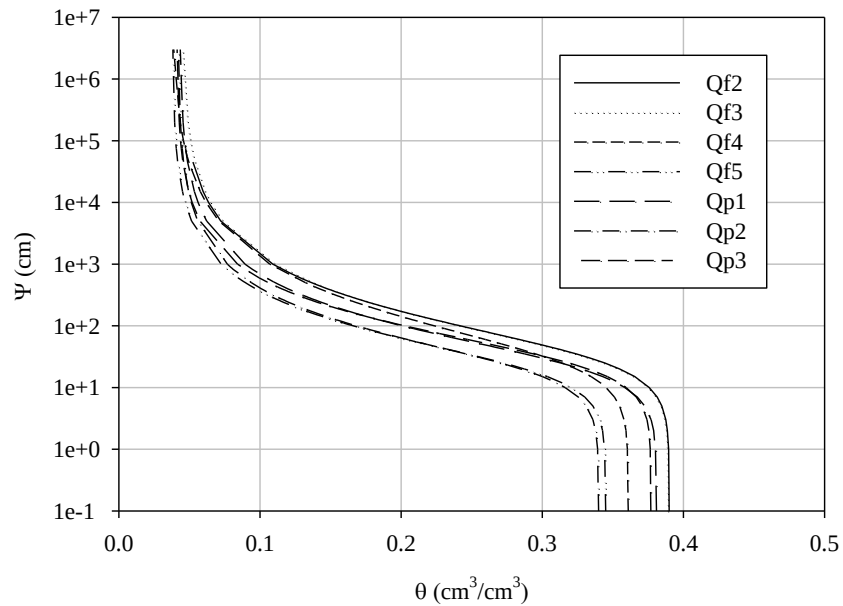


Figure 4.2 Water Retention Curves for Different Soil Surfaces

The next step in the parameter variation is to select the  $\psi_s$  values for use in the final FLO-2D and HEC-1 models. The  $\Theta$  values for each of the drying periods correspond to their associated  $\psi_s$ , which are shown in Table 4.7

Table 4.7 FLO-2D Wetting Front Soil Suction Values by Soil Surface

| Surface | $\Psi_{s1}$<br>(cm) | $\Psi_{s5}$<br>(cm) | $\Psi_{s10}$<br>(cm) | $\Psi_{s30}$<br>(cm) |
|---------|---------------------|---------------------|----------------------|----------------------|
| Qf2     | 4.67                | 22.07               | 52.53                | 233.42               |
| Qf3     | 4.81                | 20.69               | 55.35                | 266.28               |
| Qf4     | 3.43                | 13.47               | 35.44                | 171.21               |
| Qf5     | 3.39                | 22.89               | 57.30                | 211.70               |
| Qp1     | 3.95                | 25.32               | 55.54                | 163.66               |
| Qp2     | 3.48                | 18.64               | 39.31                | 114.91               |
| Qp3     | 5.11                | 23.42               | 51.90                | 159.65               |
| Min.    | 3.39                | 13.47               | 35.44                | 114.9                |
| Max.    | 5.11                | 25.32               | 57.3                 | 266.3                |

The calculated  $\psi_s$  values do not vary consistently over the 30-day drying period with respect to each individual soil surface. Variations in the van Genuchten parameters do affect the calculated  $\theta$  values and  $\psi_s$  values.

As with  $K_s$  and  $\theta$ , the  $\psi_s$  values for the HEC-1 model were averaged for each individual sub-basin (Table 4.8).

Table 4.8 HEC-1 Wetting Front Soil Suction Values by Sub-Basin

| Sub-Basin Name | $\Psi_1$ | $\Psi_5$ | $\Psi_{10}$ | $\Psi_{30}$ |
|----------------|----------|----------|-------------|-------------|
| WSage          | 3.62     | 17.99    | 47.84       | 198.05      |
| RFan           | 4.31     | 19.83    | 61.05       | 233.50      |
| NWest          | 3.88     | 17.58    | 46.98       | 193.05      |
| WCent          | 3.79     | 18.33    | 48.49       | 194.39      |
| HVal           | 4.01     | 20.07    | 49.79       | 212.17      |
| FPlain         | 3.76     | 19.28    | 47.04       | 169.85      |
| SCen           | 3.79     | 18.92    | 48.56       | 182.33      |
| SOct           | 3.76     | 17.48    | 46.28       | 192.35      |
| SEast          | 3.96     | 19.28    | 55.57       | 216.68      |
| SWest          | 4.25     | 20.22    | 51.51       | 190.07      |
| Min            | 3.62     | 17.48    | 46.28       | 169.85      |
| Max            | 4.31     | 20.22    | 61.05       | 233.50      |

A substantial difference was observed in the  $\psi_s$  values calculated for use in FLO-2D versus HEC-1. The values calculated for each individual surface in FLO-2D for the 1-, 5-, 10-, and 30-day drying times range from 3.39 cm - 5.11 cm; 13.47 cm - 25.32 cm; 35.44 cm - 57.30 cm; and 114.90 cm - 266.30 cm, respectively. The weighted values used in each sub-basin for HEC-1 for the 1-, 5-, 10-, and 30-day drying times range from 3.62 cm - 4.31 cm; 17.48 cm - 20.22 cm; 46.28 cm - 61.05 cm; and 169.85 cm - 233.50 cm, respectively. The  $\psi_s$  values used in the FLO-2D model vary far more than the values used in HEC-1.

#### 4.3.4 ArcGIS and FLO-2D Input Data

Spatial variation for the G-A parameters is accomplished using ArcGIS. Each individual grid node in FLO-2D has G-A parameter information attached to it. For each drying time, the values of  $\theta$  and  $\psi_s$  are unique. However,  $K_s$  does not vary temporally.

#### 4.4 FLO-2D and HEC-1

The FLO-2D model is not constructed as a flood control model would be typically. The original model referenced from Shafer et al. (2009) was developed as a sediment transport model. However, the development of the HEC-1 model is typical to flood control type models.

Four individual combination points are shown on the maximum depth, and time of inundation figures in the following discussion and comparison. The concentration points of interest have been selected for their location relative to the floodplain (Figure 4.3), of which, three are on the floodplain, and are designated CRFan, CFPlain, and COut. Contributing areas for these points are approximately 84.7-, 165.4-, and 212.8-km<sup>2</sup>. The outfall area does not include the sub-basins of Southeast and Southwest. These values are shown as minimums as they can change due to avulsion on the alluvial fan. The fourth point, labeled HVal, is upstream of COut at the outfall of the High Valley sub-basin. The contributing area for HVal is 28.9 km<sup>2</sup>. Potentially, calculated flowrates for this sub-basin

should provide considerable flow to the COut combination point in both the HEC-1 and the FLO-2D models.

As previously discussed, the  $K_{eff}$  value used in several studies has been taken as  $0.5K_s$ . For the purpose of this thesis FLO-2D and the HEC-1 models have all been developed using a  $K_{eff}$  that is equal to half the  $K_s$  value as discussed in Chapter 2.

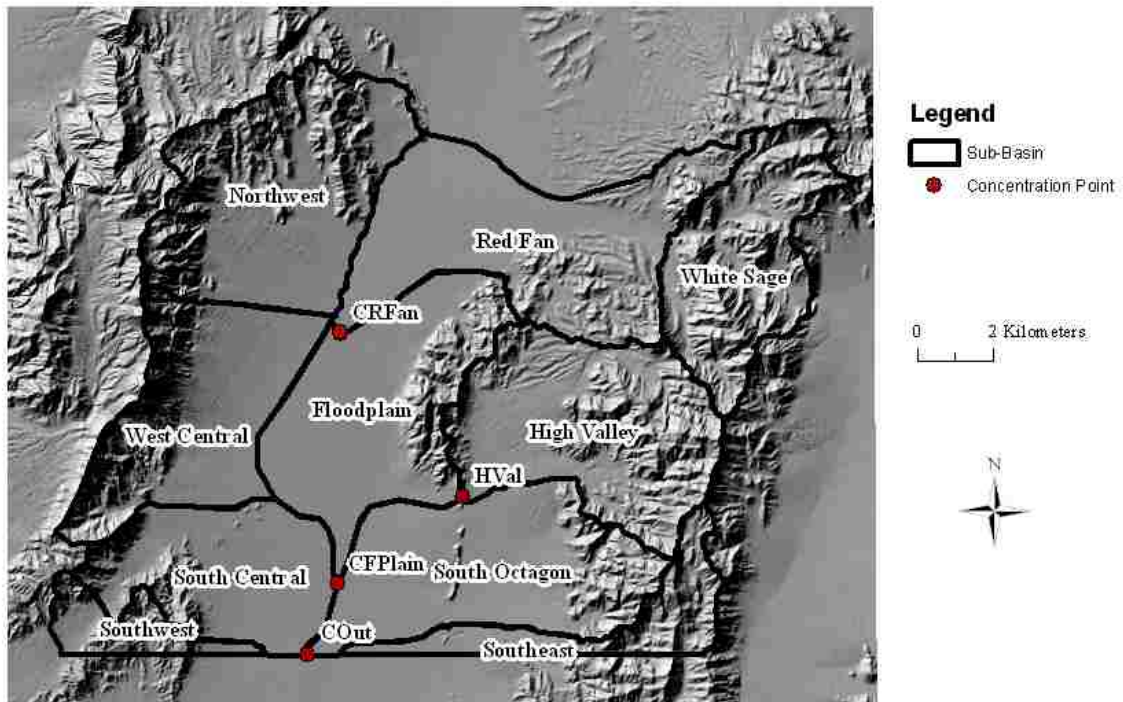


Figure 4.3 Mojave Desert Study Area Sub-basin Map

#### 4.4.1 FLO-2D Models

Results of the FLO-2D simulations are reported in Table 4.9. Simulations for the 10-day drying time were developed; however, the results showed that there was no surface runoff generated at the concentration points; therefore, the results are not reported nor were 30-day drying time simulations conducted.

Table 4.9 FLO-2D Calculated Peak Flowrates

| HVal    |          |          |         |         |         |
|---------|----------|----------|---------|---------|---------|
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 33.1     | 10.0     | 6.3     | 4.0     | 2.1     |
| 1-Day   | 30.2     | 8.5      | 5.6     | 3.6     | 1.8     |
| 5-Day   | 16.1     | 6.0      | 3.7     | 2.3     | 0.4     |
| CRFan   |          |          |         |         |         |
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 52.5     | 15.1     | 6.6     | 2.7     | 1.1     |
| 1-Day   | 48.2     | 13.2     | 5.0     | 2.2     | 0.7     |
| 5-Day   | 27.0     | 3.8      | 1.5     | 0.2     | 0.0     |
| CFPlain |          |          |         |         |         |
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 18.5     | 0.1      | 0.0     | 0.0     | 0.0     |
| 1-Day   | 13.1     | 0.1      | 0.0     | 0.0     | 0.0     |
| 5-Day   | 0.1      | 0.0      | 0.0     | 0.0     | 0.0     |
| COut    |          |          |         |         |         |
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 30.2     | 0.2      | 0.0     | 0.0     | 0.0     |
| 1-Day   | 21.4     | 0.0      | 0.0     | 0.0     | 0.0     |
| 5-Day   | 20.4     | 0.0      | 0.0     | 0.0     | 0.0     |

A significant variation in the flowrates was observed for each frequency storm at concentration point HVal. Calculated flowrates at HVal for the 1-Day drying time have a steadily decreasing rate of decline for all frequency storms. The effect of the variation of storm frequency is non-linear on the calculated flowrates.

The same variation in flowrates shown at HVal is also shown at CRFan. The effect of the variation of storm frequency is non-linear on the calculated flowrates, with a definite downward progression of the calculated peaks.

The progression of the flowwave as the runoff moves downstream toward the floodplain is of concern. Spatial variation of the soil parameters significantly affects the calculated flowrates. Precipitation that falls at the upstream side of the White Sage sub-basin (if it were to travel to the watershed outfall) would progress through the Red Fan sub-basin to the CRFan concentration point, then to the FPlain and COut concentration points downstream. However, the floodwave does not progress downstream of CRFan, rather the flows progress into the floodplain region. The  $K_{eff}$  values of the Qp surfaces and the low slope along the axial length of the floodplain allow all runoff to infiltrate. This is occurring for all frequency storms and all drying periods.

The actual topography of the area shows numerous braided channels indicating that surface flow is occurring on a fairly frequent basis. Much more frequent than the 500- and 100-year events that the FLO-2D model is indicating.



Hydrographs for the 500- and 100-year storm events were prepared at the CRFan, CFPlain, and COut concentration points to show the progression of the floodwave downstream. Additionally, hydrographs from the HVal concentration point were included to show the relationship of a single basin as it relates to the overall watershed runoff response. Calculated peak flowrates at CRFan are the highest of the four concentration points shown. This makes sense for the CRFan/HVal comparison given the difference in upstream areas. However, the progression of the floodwave from CRFan through CFPlain shows a reduction in flowrates, which is counterintuitive given the increase in contributing area from CRFan to CFPlain. The peak then increases from CFPlain to COut (Figures 4.4). The hydrograph in Figure 4.5 shows that no runoff travels downstream of the floodplain region to the CFPlain for the 500-year event for the 5-Day drying time. The hydrographs for the 100-year event and all drying time scenarios show that all runoff generated upstream of CRFan infiltrates at the floodplain.

The hydrographs for the 100-year event are similar to the 500-year event at the 5-day drying scenario. Runoff is calculated at the CRFan concentration point; however, the floodwave does not travel to the FPlain concentration point indicating that the  $K_{eff}$  values are high enough that all runoff from upstream infiltrates in the floodplain area.

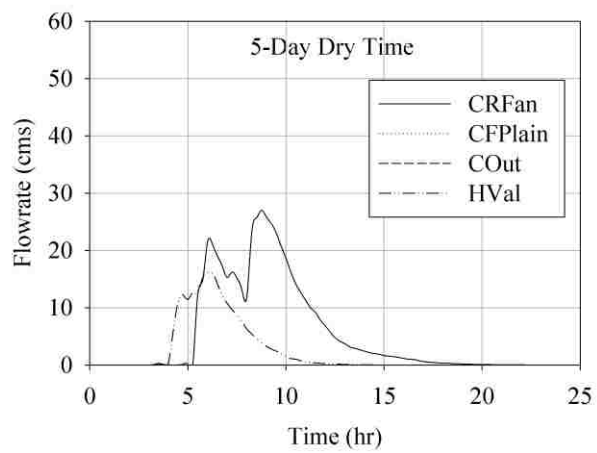
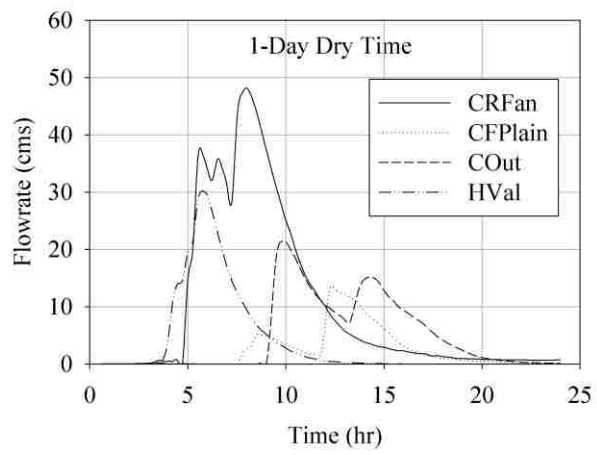
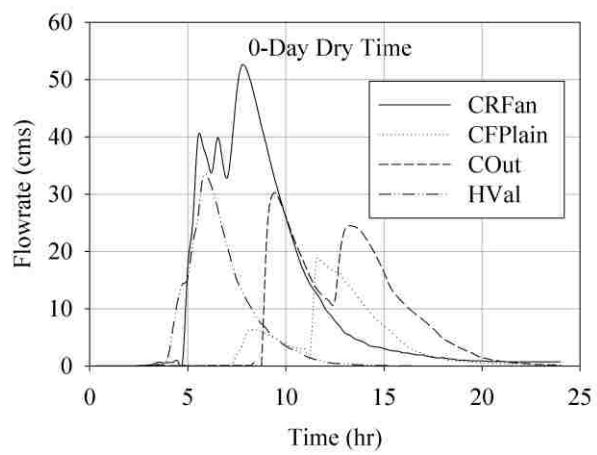


Figure 4.4 FLO-2D 500-Year Floodwave Progression

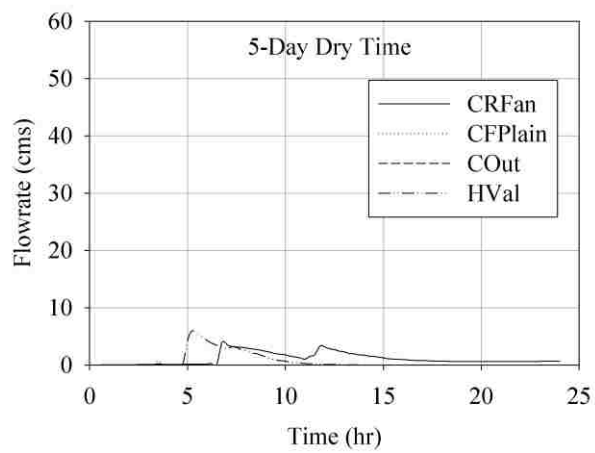
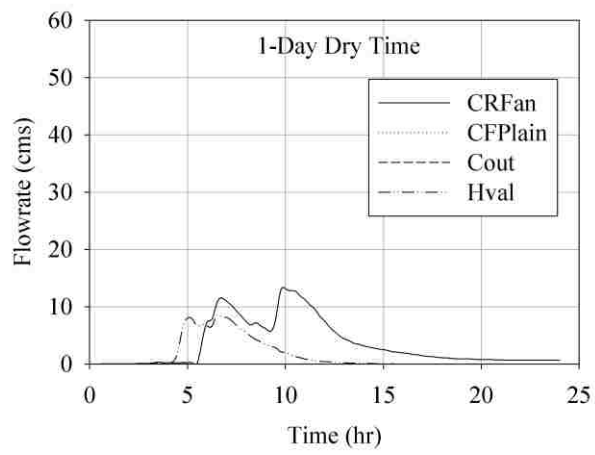
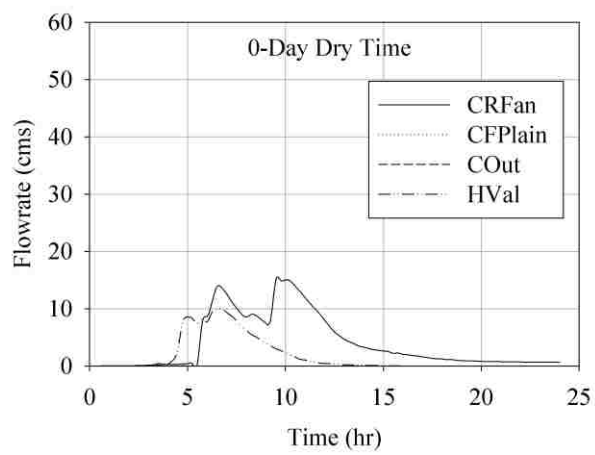


Figure 4.5 FLO-2D 100-Year Floodwave progression

With the exception of the hydrographs calculated in FLO-2D for HVal, each of the concentration points is showing a multi-peak hydrograph. A good example is the 500-year frequency storm with a 1-day drying time. The CFPlain concentration point shows a peak at approximately 8.5 hours of 5 cms, and a second peak at approximately 13 hours of 13.1 cms. The first peak is generated by the mountains in the northwest corner of the watershed. The second peak is generated by the mountains at the northeast corner of the watershed. The second floodwave takes a considerable amount of time to travel through the wash along the northern boundary of the watershed. This behavior is typical at all concentration points where flowrates are generated in mountainous regions and are impacting at different times.

#### 4.4.2 HEC-1 Models

HEC-1 models were developed for each scenario modeled in FLO-2D (see Table 4.10). These models were not developed for a direct comparison of flowrates and volume; rather, they were developed to observe if trends developed in the FLO-2D models were also represented in a lumped parameter model.

Hydrographs for the 500- and the 100-year events were prepared at CRFan, CFPlain, and COut. Although the magnitude of the flowrates decreases as the drying times increase, the hydrographs show a steadily increasing magnitude through the watershed. Whereas the FLO-2D models indicate that flow does not extend past the FPlain concentration point, the HEC-1 models show that it does. Calculated peak flowrates are

higher at the FPlain concentration point than at the upstream CRFan concentration point.

This is the expected progression that should occur on the watershed. Hydrographs showing the progression of the flood wave as it progresses through the watershed at concentration points CRFan, CFPlain, and COut are shown in Figures 4.6 and 4.7.

Table 4.10 HEC-1 Calculated Peak Flowrates

| HVal    |          |          |         |         |         |
|---------|----------|----------|---------|---------|---------|
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 79.5     | 46.7     | 36.0    | 26.3    | 17.3    |
| 1-Day   | 61.1     | 28.7     | 18.8    | 10.2    | 4.1     |
| 5-Day   | 10.0     | 0.6      | 0.5     | 0.4     | 0.3     |
| CRFan   |          |          |         |         |         |
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 176.8    | 104.2    | 81.2    | 59.1    | 39.6    |
| 1-Day   | 137.8    | 67.1     | 46.2    | 27.1    | 12.7    |
| 5-Day   | 34.2     | 1.8      | 1.0     | 0.8     | 0.7     |
| CFPlain |          |          |         |         |         |
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 236.8    | 133.0    | 101.6   | 73.4    | 48.6    |
| 1-Day   | 179.7    | 82.1     | 56.2    | 32.5    | 14.9    |
| 5-Day   | 38.8     | 2.0      | 1.2     | 1.0     | 0.8     |
| COut    |          |          |         |         |         |
| Dry     | 500-Year | 100-Year | 50-Year | 25-Year | 10-Year |
| Time    | (cms)    | (cms)    | (cms)   | (cms)   | (cms)   |
| 0-Day   | 364.8    | 209.8    | 161.6   | 116.2   | 76.4    |
| 1-Day   | 277.7    | 129.8    | 87.4    | 50.1    | 22.7    |
| 5-Day   | 57.1     | 2.8      | 1.7     | 1.5     | 1.2     |

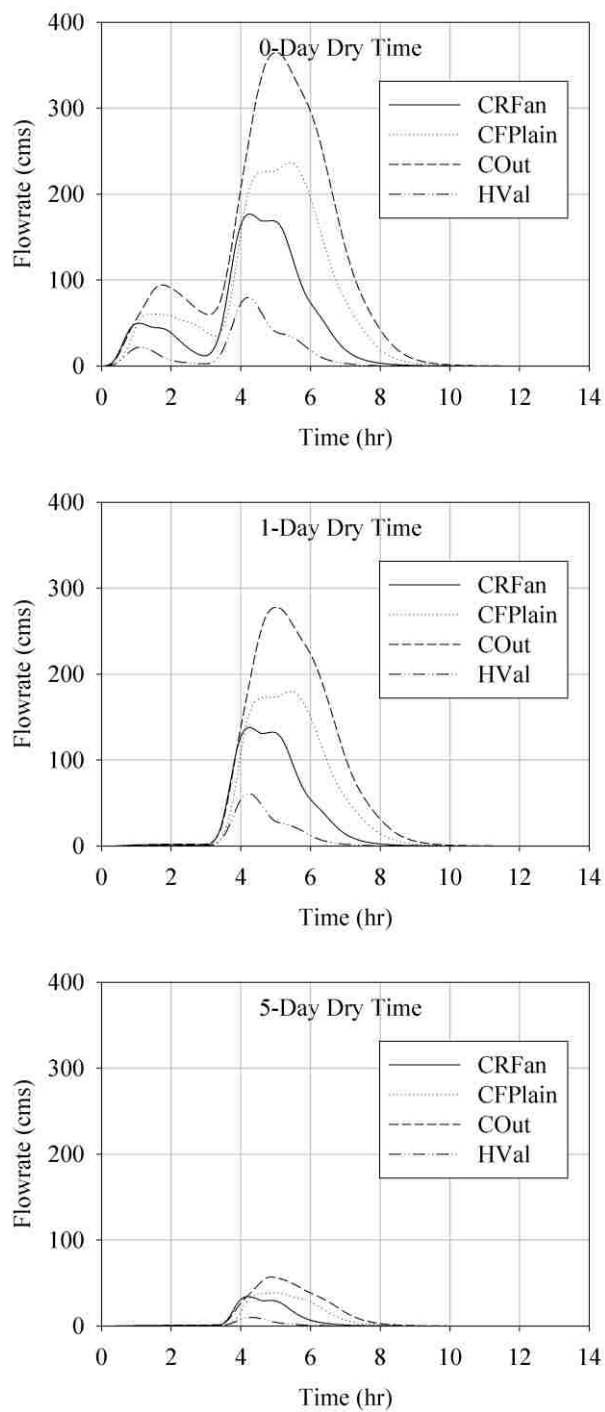


Figure 4.6 HEC-1 500-Year Floodwave Progression Hydrographs

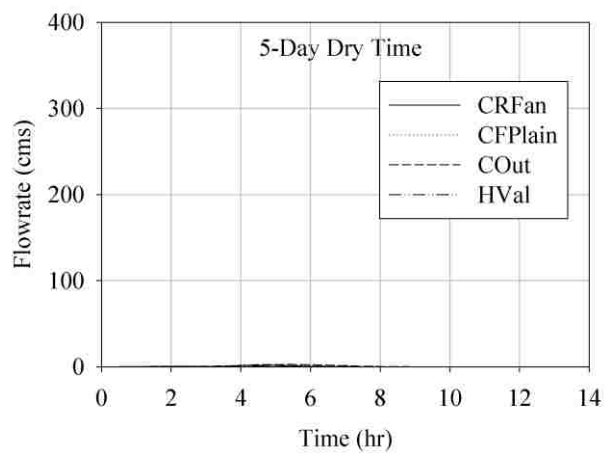
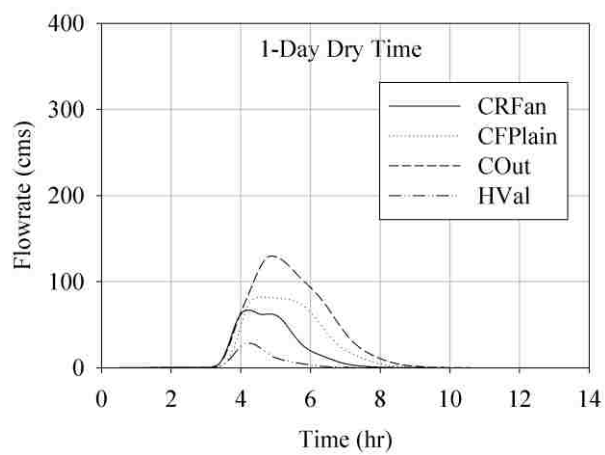
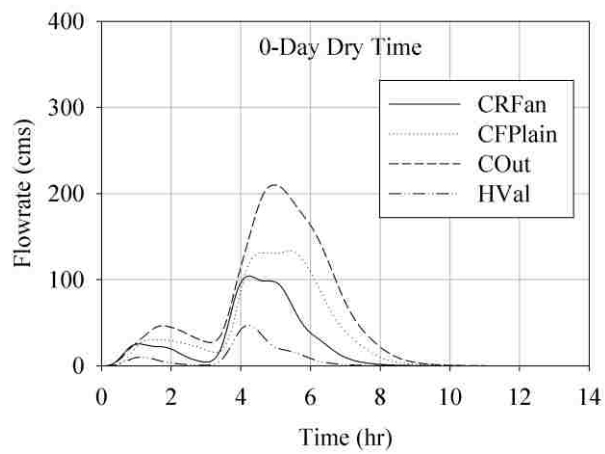


Figure 4.7 HEC-1 100-Year Floodwave Progression Hydrographs

The floodwave, in all cases, shows a well defined increase in flowrate as it progresses though the watershed. The magnitude of the floodwave also decreases as the soil becomes drier.

#### 4.5 Sensitivity Analysis

The FLO-2D models using the G-A method yield flowrates that are considerably different from the HEC-1 models. Peak flowrates calculated in HEC-1 are considerably higher than those calculated in FLO-2D. Because a significant difference exists in the calculated flowrates, a sensitivity analysis was conducted that would compare model output for two different conditions. The first used a hydraulic conductivity value of  $0.1K_s$ . The other analyzed the watershed at a nearly impervious condition. The goal of the analyses was to compare the sensitivity of FLO-2D and HEC-1 to the variation of soil parameters.

The first simulation used an effective hydraulic conductivity ( $K_{eff}$ ) of  $0.1K_s$ . Results were then compared to those obtained using a  $K_{eff}$  equal to  $0.5K_s$ . The results of the FLO-2D models using  $K_{eff}$  are included in Table 4.11.



Table 4.11 FLO-2D Hydraulic Conductivity Sensitivity Analysis

| Point   | 0.5K <sub>s</sub> |         | 0.1K <sub>s</sub> |         |
|---------|-------------------|---------|-------------------|---------|
|         | 100-Yr.           | 500-Yr. | 100-Yr.           | 500-Yr. |
|         | (cms)             | (cms)   | (cms)             | (cms)   |
| HVal    | 8.5               | 30.2    | 27.3              | 55.9    |
| CRFan   | 13.2              | 48.2    | 49.6              | 113.2   |
| CFPlain | 0.1               | 13.1    | 39.2              | 91.0    |
| COut    | 0.0               | 21.4    | 78.8              | 199.2   |

Calculated peak flowrates in FLO-2D varied considerably for the different input values of  $K_{eff}$ . As was expected the peak flowrates calculated using  $0.1K_s$  were higher. For the 100-year event at HVal and CRRFan the increase in peak values was 3 times or greater. The effect of the lower  $K_s$  value had on the floodwave through the watershed was also considerable. For example, the simulation using the  $0.5K_s$  value for the 100-year event showed the floodwave ending at CFPlain. The simulation for the 500-year event using  $0.5K_s$  showed the floodwave progressing to the outfall. However, a considerable drop in peak flowrates was observed from CRRFan to CFPlain. Given the increase in area from CRRFan to CFPlain, the change indicates that spatial variation of infiltration (due to  $K_{eff}$ ) has a considerable effect on the flows that are routed from upstream areas, even with the lower rates present at  $0.1K_s$ . Spatial variation of the hydraulic conductivity still influences the infiltration loss calculated in the model.

A comparison of the different  $K_{eff}$  values was also conducted using the HEC-1 model for the 100-year 1-day drying time with  $K_{eff} = 0.1K_s$  values. Results are shown in Table 4.12.

Table 4.12 HEC-1 Hydraulic Conductivity Sensitivity Analysis

| Point   | 0.5 $K_s$ |         | 0.1 $K_s$ |         |
|---------|-----------|---------|-----------|---------|
|         | 100-Yr.   | 500-Yr. | 100-Yr.   | 500-Yr. |
|         | (cms)     | (cms)   | (cms)     | (cms)   |
| HVal    | 28.7      | 61.1    | 68.8      | 106.5   |
| CRFan   | 67.1      | 137.8   | 154.1     | 240.9   |
| CFPlain | 82.1      | 179.7   | 219.4     | 346.5   |
| COut    | 129.8     | 277.7   | 330.5     | 526.0   |

As expected an increase in the calculated peak flowrates did occur when hydraulic conductivity increased. Flowrates were seen to increase roughly 2 times the original value when  $K_{eff} = 0.5K_s$ . The revised  $K_{eff}$  values also did not noticeably effect the progression of the floodwave through the watershed. As the contributing area increased from CRRFan to CFPlain to COut, the peak flowrates increased. Additionally, the increase in flowrates for the 100-year to the 500-year events was not as pronounced in HEC-1 as in FLO-2D. This was especially true for the lower watershed concentration points. Increases in calculated flowrates for HEC-1 are shown to be approximately twice as much. An example would be the increase at COut from 115.5 to 330.6 cubic meters per

second (cms). In FLO\_2D a percentage calculation is impossible because the flowrate increases from 0 to 78.8 cms.

Spatial variation of  $K_s$  was shown to affect calculated peak flowrates in FLO-2D. The decreased peak flowrate between CRFan and CFPlain for the 500-year that showed infiltration was still evident. This can be explained by a number of factors. Infiltration during routing from upstream to downstream concentration points is not considered in HEC-1, which considers only infiltration of rainfall and run-on is considered at each grid cell as the flows progress downstream. Spatial variation of  $K_{eff}$  in the HEC-1 model was also eliminated within each sub-basin, where averages were used.

The second sensitivity analysis considered the effect of precipitation between FLO-2D and HEC-1. Both models were evaluated for (nearly) impermeable condition where  $K_{eff}$  was set at  $0.01K_s$ . The G-A parameters of  $\Delta\theta$  and  $\psi_s$  were revised to a saturated condition for both variables in the models. The  $\Delta\theta$  for a saturated condition is zero, and the  $\psi_s$  for a fully saturated condition is also zero.

Time-to-peak responses in both hydrographs (Figure 4.8) are dramatically different with observed values of time-to-peak at COut of 8.25 hours and 4.92 hours for the FLO-2D and HEC-1 simulations. Differences in how the two models handle floodwave routing account for the 3.33 hour variation in peak flowrate times. Figure 4.8 shows a considerable effect on the attenuation of the peak in FLO-2D, where, values recorded were 302.1 cms and 653.2 cms for FLO-2D and HEC-1, respectively. HEC-1 is

calculating a peak flowrate of more than double that of FLO-2D. The total volume of runoff calculated in HEC-1 is 9,795,000 m<sup>3</sup>, and the total volume of runoff calculated in FLO-2D is 8,809,500 m<sup>3</sup>. The HEC-1 volumes show an 11 percent difference in the calculated runoff volumes from those calculated in FLO-2D.

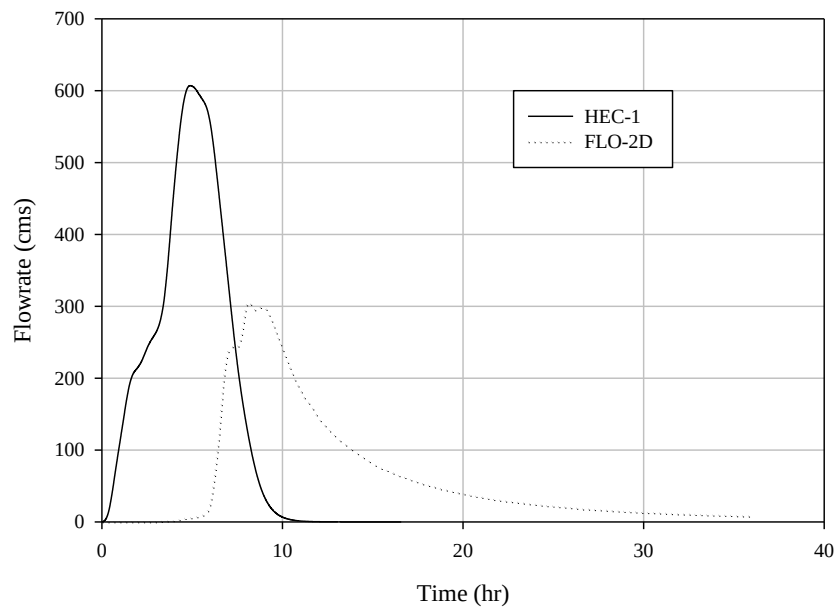


Figure 4.8 Comparison of Calculated Total Volume Hydrograph for FLO-2D and HEC-1 Simulations

## CHAPTER 5

### CONCLUSIONS

The objective of this thesis is to evaluate the effects of spatial and temporal variability of AMC on model-generated runoff through the use of a PTF. Hydraulic properties of the soils were varied both spatially and temporally for this thesis, and the conclusions to both hypothesis 1 and 2 are included in the following sections.

#### 5.1 Implications to the Spatial Variation Hypothesis

Hypothesis #1 states that the effect of spatially-varied soil hydraulic properties on model generated runoff volumes may depend on the storm return period and the interval of storm succession.

Varying drying times (interval of storm succession) do affect the overall watershed runoff response. Flowrates for individual drying times show a definite reduction as the drying time increases from 0-day to 5-day. For the concentration point HVal, the 100-year flowrate decreases by 15 percent from 0-day to 1-day, and 29 percent from 1-day to 5-day. A similar trend is seen at CRFan, where the flowrate decreases by 13 percent from 0-day to 1-day. The change in flowrate is more pronounced at CRFan for the 100-year event between the 1-day and the 5-day where the change is 71 percent. However, the effect of different storm frequencies when compared to spatial variation of the soil hydraulic properties appears to be negligible for both the FLO-2D and HEC-1 models.

Spatial variation of soil parameters, in terms of the degree of saturation and water potential at the wetting front, does appear to have a considerable effect on the calculated flowrates in the FLO-2D model for this watershed when compared to the storm frequency. This is especially true toward the lower portion of the watershed. Here, flows are reduced at concentration points CFPlain and COut for all drying times and storm frequencies. In the upper portion of the watershed (CRFan and HVal), drying times and storm frequency are shown to affect calculated flows. Effective hydraulic conductivity is the main factor that affects infiltration, and the runoff hydrographs on the lower watershed. The hypothesis was proven true as the effect of soil hydraulic properties on model-generated runoff does depend on storm frequency in the FLO-2D model.

Spatial variation of the soil parameters in the HEC-1 model is limited, and is not represented at all within the sub-basins. Review of flowrates shown in Table 4.10 indicates that as the floodwave progresses downstream, AMC and storm frequency does affect runoff response. The effect of  $\theta$  variation on calculated flowrates can be seen for the first 5 days when flowrates are reduced at all concentration points, and very low for higher frequency storms at the 5-day drying time. Model generated flowrates are very low for the higher frequency storms at the 5-day time. For successive storm events that occur within the 5-day window, the result show that drying time and storm frequency did considerably affect the calculated flowrates in HEC-1. The hypothesis was proven true

as the effect of soil hydraulic properties on model-generated runoff does depend on storm frequency in the HEC-1 model.

## 5.2 Implications to the Temporal Variability Hypothesis

Hypothesis #2 states that the AMC, or soil moisture content, may have a larger affect on model generated runoff volumes than hydraulic conductivity, depending on the storm return period and the interval of storm succession (drying time).

Antecedent moisture content was shown to affect runoff hydrographs for the lower frequency storms in FLO-2D. Calculated flowrates at the HVal and CRFan concentration points decrease between for the 0-day (fully saturated condition) and the 1-day drying time. This decrease occurs as the storm frequency increases, highlighting the importance of initial saturation. This tendency is also evident for the 5-day drying period, although to a lesser extent. After the 5-day drying period, there was no flow at these two concentration points. Therefore, thresholds appear to exist, where runoff does not occur for any storm intensity, after a sufficient drying period at these upland concentration points, in this case about 5 days. Increased infiltration rates due to higher moisture deficits, as expressed by lower  $\theta$  and higher  $\psi_s$  values in the G-A equation, eventually reduce any excess water that could be routed as surface runoff. Therefore, for both upland concentration points, the AMC was shown to have a significant effect on the model generated runoff, and the hypothesis is proven true at this location.

Toward the lower portion of this watershed, however, the variation of  $K_s$  appears to have a more significant effect on the outfall flowrates in the FLO-2D model, than does the AMC. The results of the FLO-2D model show the area downstream of CRFan (i.e., in the younger floodplain sediments) is sufficiently permeable to infiltrate all rainfall and all runoff from upstream sub-basins, regardless of the AMC. The hydraulic conductivity was sufficiently high in this floodplain area to remove any excess water before reaching CFPlain. The variation in storm frequency has no affect on the watershed runoff response for the lower portion of the watershed. It is the variation of the hydraulic conductivity that was the important factor for the lower watershed, and the hypothesis was proven false at this location.

Substantially more surface runoff was predicted with the HEC-1 model, thus allowing for an analysis of AMC on the rainfall/runoff process for the lower frequency storms. For wetter conditions, and the 0-day and 1-day drying times, calculated flowrates decrease at all concentration points as storm frequency increases. This tendency was also observed for the 5-day drying period, but to a lesser extent. Decrease infiltration rates due to higher  $\theta$  and  $\psi_s$  values in the G-A equation do not allow for runoff to occur in the model. Therefore, the AMC does significantly affect model generated runoff at this watershed, but only for drying periods shorter than about 5 days.

The effect of spatial variability of hydraulic conductivity on calculated flowrates in HEC-1 is somewhat muted by the lumped parameter nature of the model itself, where



only effective averages are used. The results do show, however, that water is being routed from upland to lowland concentration points, as seen by increasing flowrates at successive concentration points as the flood wave progresses downstream. However, the rate of change in flow rate decreases. For example, for the 500-year event and 1-day drying period, flowrates predicted from CRFan, CFPlain and COut to be 176.9, 271.1, and 315.9 cms, respectively; at each concentration point, the percentage increase in flow decreases, even though the percentage drainage area increases (84.7-, 165.4-, and 212.8- km<sup>2</sup> respectively). Therefore, although spatial variability within each sub-basin is not expressed in HEC-1, the effective average of hydraulic conductivity does vary across the watershed, allowing some assessment of variability.

### 5.3 Implications to Public Policy

Regional flood control districts and municipalities are required to comply with national standards concerning the major storm event (100-year). However, these entities are not directed to which AMC values should be used. The San Bernardino County Public Works Department recently (April 6, 2010) updated their hydrology manual to use AMC I (dry condition) values for all arid regions within their domain. Given the results of this thesis, where calculated flowrates after 1 day of drying versus 5 days of drying can reduce flowrates by 25 percent or more, using the wetter conditions would provide more conservative estimates of runoff, especially for conditions where successive storm events

are more likely. Ultimately, individual municipalities must estimate AMC for developing hydrologic models in their respective areas, and balance the risks of successive storms on the potentially higher flows. By considering likely recurrence intervals with the overall cost savings for designing flood control facilities, more capital could be available for other projects, thereby providing greater protection to the general public.

#### 5.4 Sources of Uncertainty and Error

Several potential sources of error were observed in this study. The digital data (e.g. DEM data), field soil and hydraulic property data, storm description methods (i.e. storm frequency and duration), the PTF method that converts soil physical data to hydraulic properties, and the  $K_{eff}$  value can all introduce significant error to the model results.

- The digital data scale used for these models is commonly used by scientists and engineers at a grid of 10-m by 10-m, with a geomorphic mapping was at a 1 : 24,000 scale. Both scales can neglect topographic features on the alluvial fan because the features are smaller than the scale of the map.
- The field characterization methods also introduce error by not representing the true spatial variation of the soil parameters. In this case, Shafer et al. (2009) characterized the 228 km<sup>2</sup> with a total of 171 measurements of particle size and thus the number of samples may not reflect the actual spatial variability of the soil surfaces. The s-curve used for the unit hydrograph in both the HEC-1

and FLO-2D models may also introduce error.

- The s-curve referenced from the CCRFCD Drainage Design Manual (1999) was specifically developed for the Las Vegas area. Topography of the two areas is different, potentially influencing the storm intensity and duration.
- The PTF also can introduce error to the models. The PTF of Schaap et al. (2000), as implemented in the program Rosetta, was developed from soils from different environments (including humid and agricultural soils). Incorporating soils data from a wide variety of environments into an arid PTF may introduce uncertainty in the regression relationships.
- The value of  $K_{eff}$  is theoretical and is applied in a general way. The general approach to the effective value can introduce error into the models.

The  $K_{eff}$  value is the most critical source of uncertainty and error in the hydrologic/hydraulic models. Variation of the  $K_{eff}$  value from  $0.5K_s$  to  $0.1K_s$  is shown to affect calculated flowrates. As shown in the sensitivity analysis a reduction in the effective hydraulic conductivity of the soil resulted in an increase in calculated flowrates of approximately 85% for the 500-year event and 150% for the 100-year event. Because the actual value of  $K_{eff}$  is unknown there is a great deal of potential for error in the final models.

## 5.5 Further Research

Green and Ampt is a viable method for calculating infiltration losses for semi-arid (Wilcox et al. 1990; Castillo et al. 2003), sub-humid (Wang et al. 2010), and humid environments (Zhuoru et al. 1993). The characteristic soil properties can be used to define soil in many different environments. However, additional considerations are needed for environments where more vegetation is present. Typically,  $K_s$  is higher in the vicinity of vegetation. This could likely be addressed by a factor that provides for variation in  $K_s$  at plant level, rather than assuming the hydraulic conductivity is equal beneath plants and between plants. Additionally, the  $I_a$  value could be adjusted to provide for increased vegetation.

Methods for determining  $K_{eff}$ , as opposed to  $K_s$ , are still not used consistently in the hydrologic community, even though it is clear that soil is not saturated when runoff is initiated. Currently,  $K_{eff}$  is taken as 50 percent of the saturated value, but without any real means to substantiate the accuracy of the effective value. Given the results observed in this study, a more quantitatively based means to estimate  $K_{eff}$  is needed, as a simple factor does not explain how it relates to  $K_s$ . As previously discussed the method for determining  $K_{eff}$  is theoretical. A method by which the wetting front velocity could be determined in-situ would provide a means to establish this value on an individual watershed basis. In particular, the age of a soil surface and the climate of the area have a considerable affect

on hydraulic conductivity. A greater understanding of these effects on the soil parameters is necessary.

The AMC used as an initial condition in a hydrologic model was shown to have a significant effect, not only on the final flowrates, but also on the time to peak for a sub-basin or concentration point. This was shown in the floodwave progression hydrograph figures. Because variations in flowrates and peak times do influence design features for individual flood control facilities as well as flood control systems, further study into the effects of AMC on flooding characteristics in both arid and semi-arid environments is necessary.

## APPENDIX 1

### FIGURES

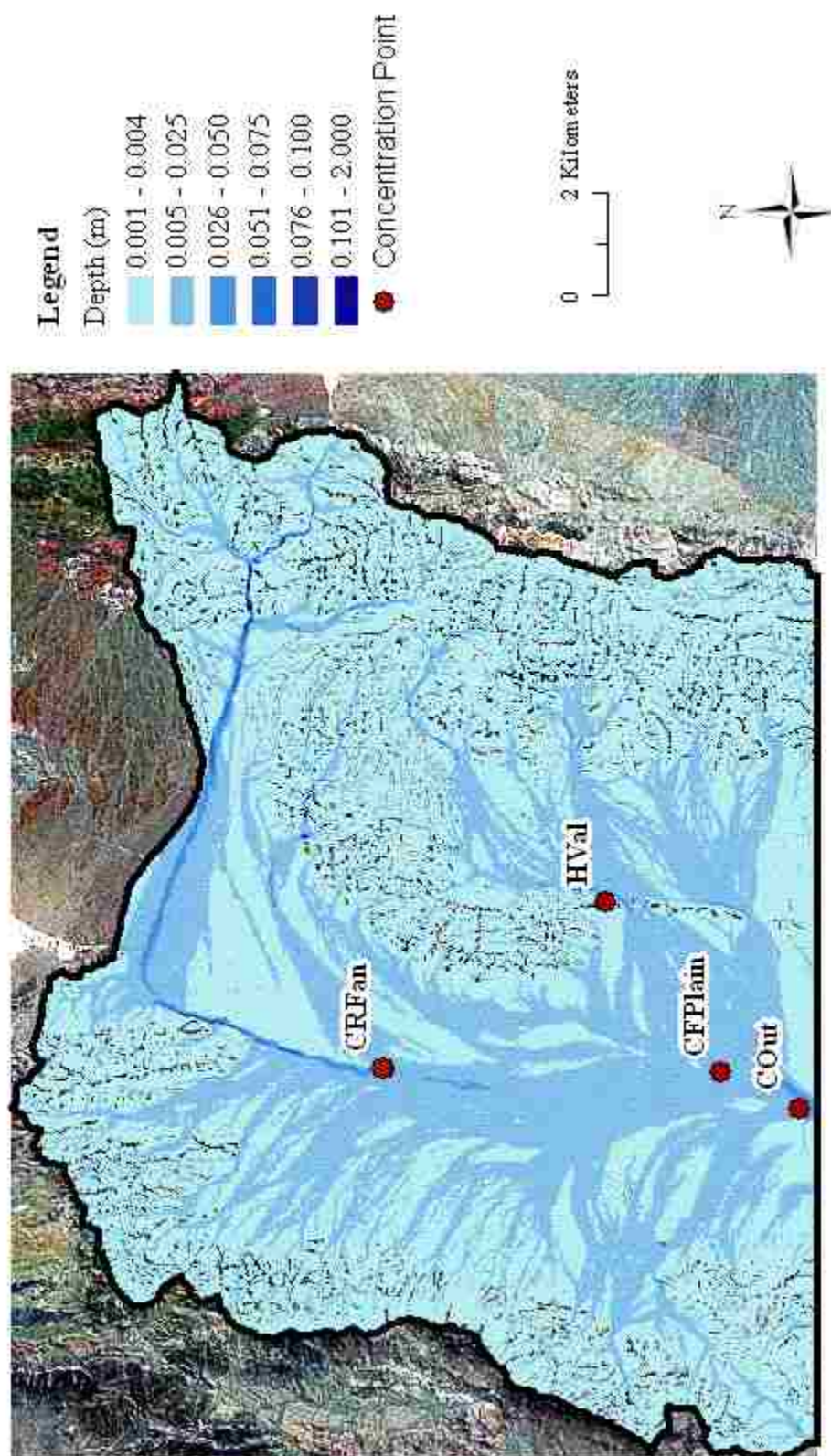


Figure 0-500 D - Maximum depth of runoff for 0-day drying period after saturated conditions followed by event of 500-year frequency



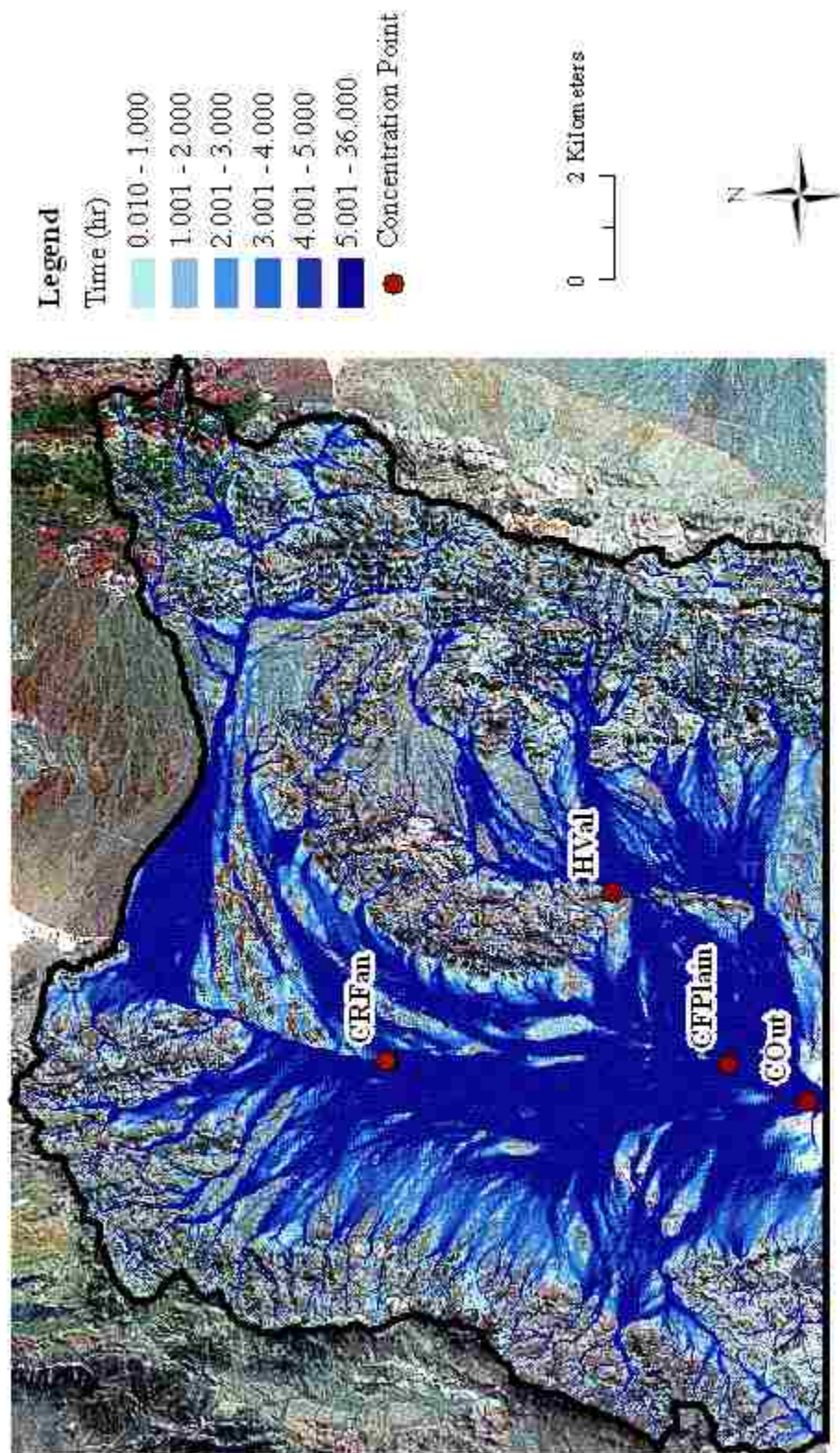


Figure 0-5001 - Duration of inundation of runoff for 0-day drying period after saturated conditions followed by event of 500-year frequency



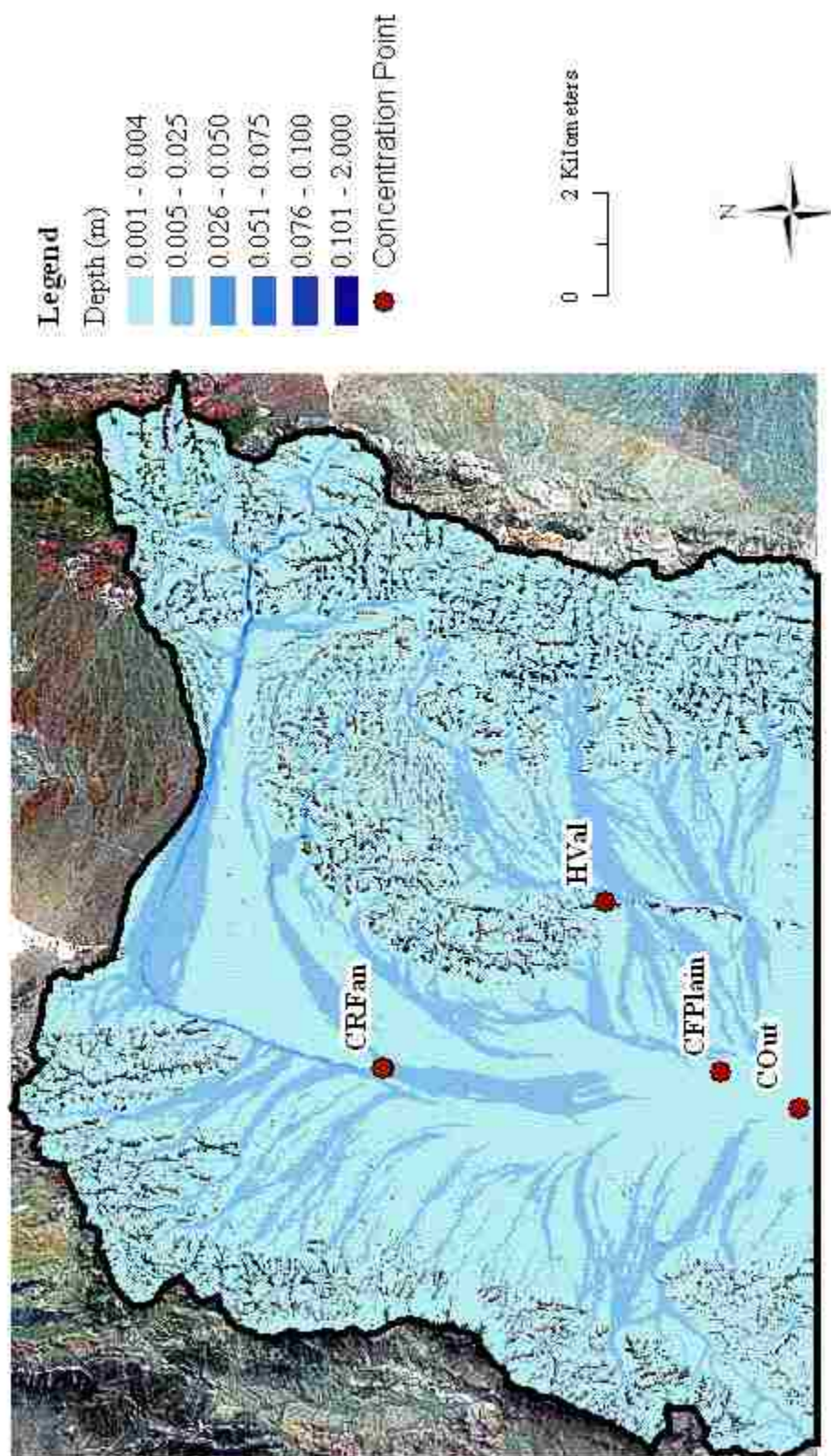


Figure 0-100 D - Maximum depth of runoff for 0-day drying period after saturated conditions followed by event of 100-year frequency



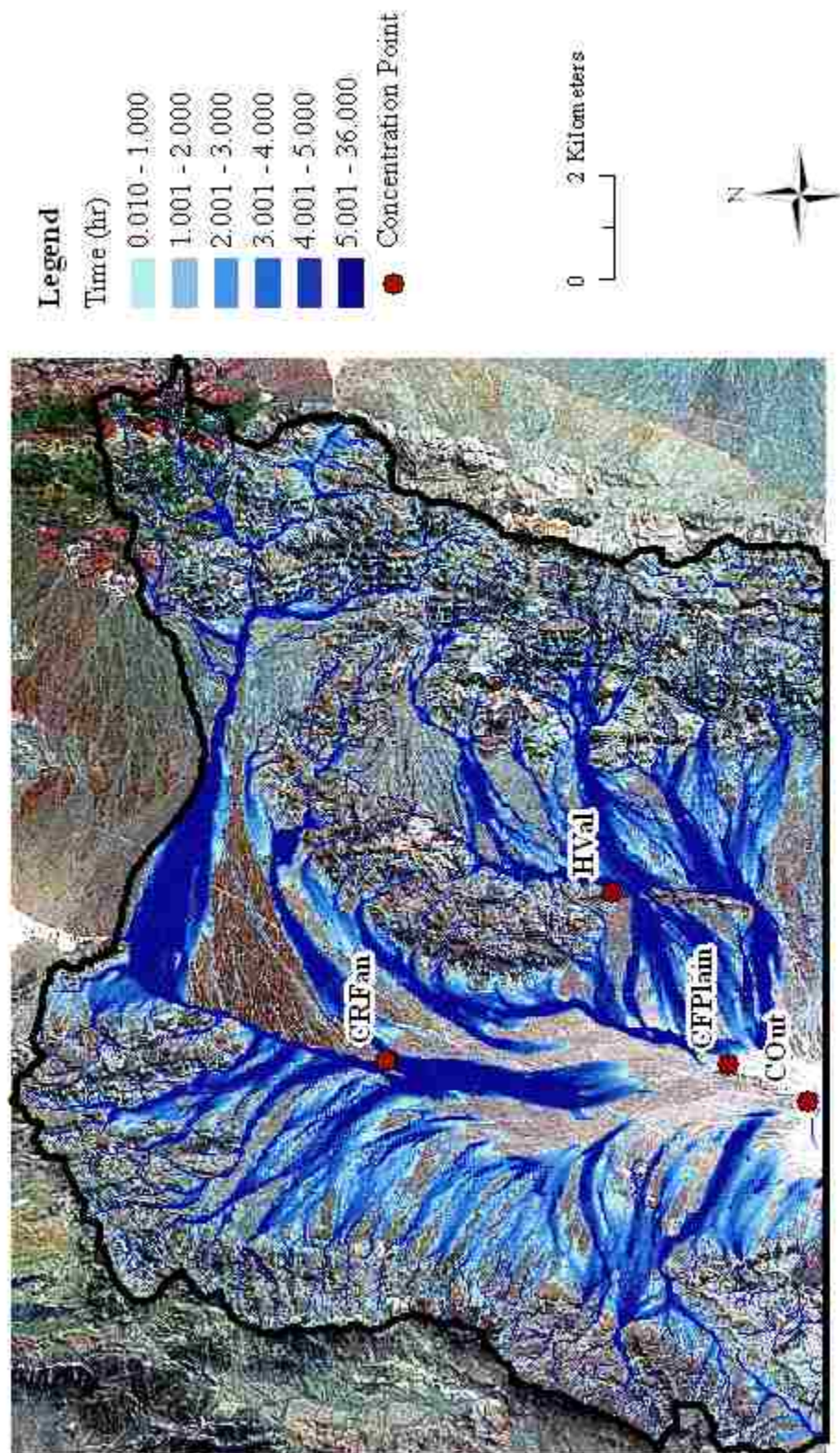


Figure 0-1001 - Duration of inundation of runoff for 0-day drying period after saturated conditions followed by event of 100-year frequency



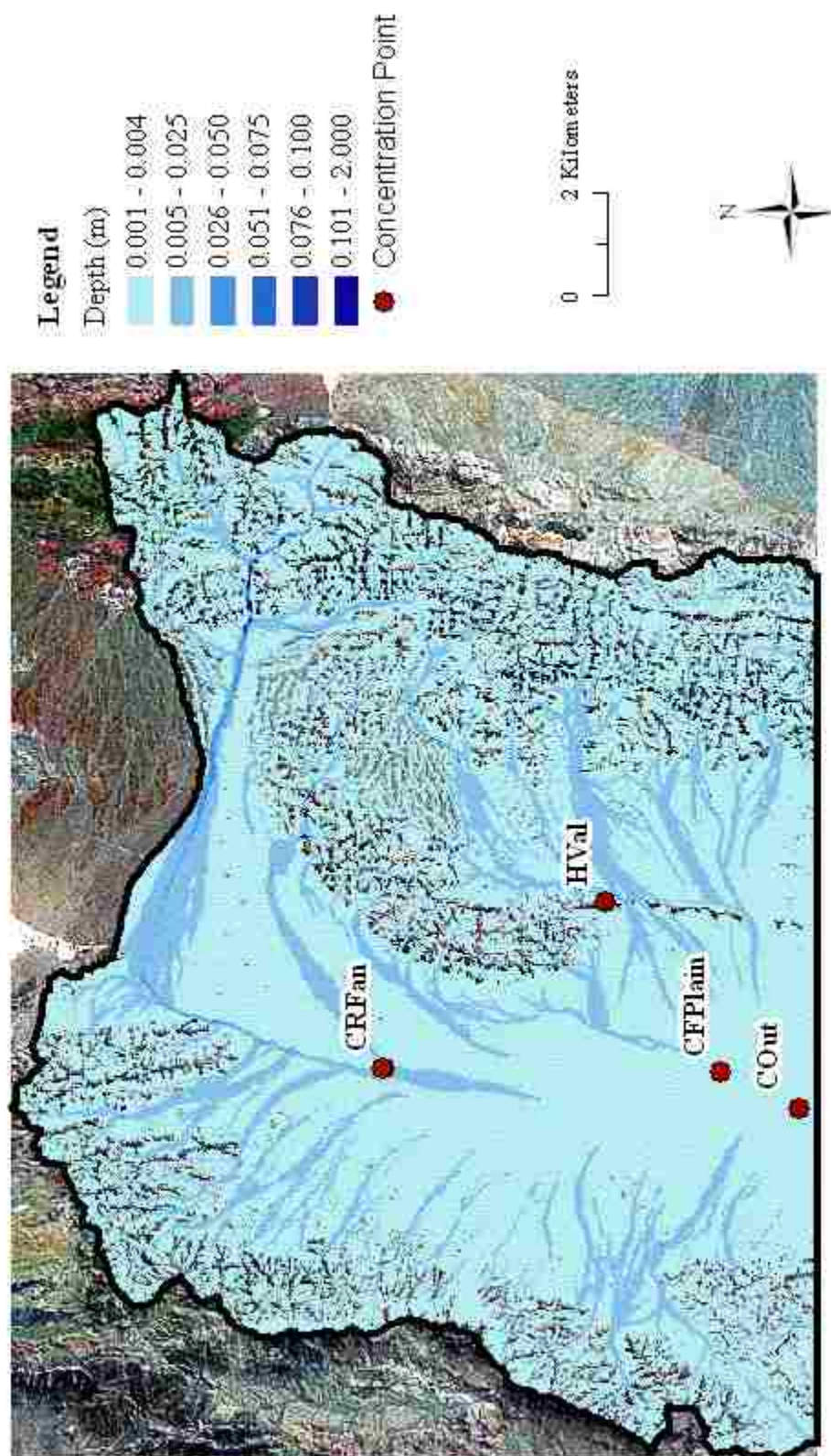


Figure 0-50D - Maximum depth of runoff for 0-day drying period after saturated conditions followed by event of 50-year frequency



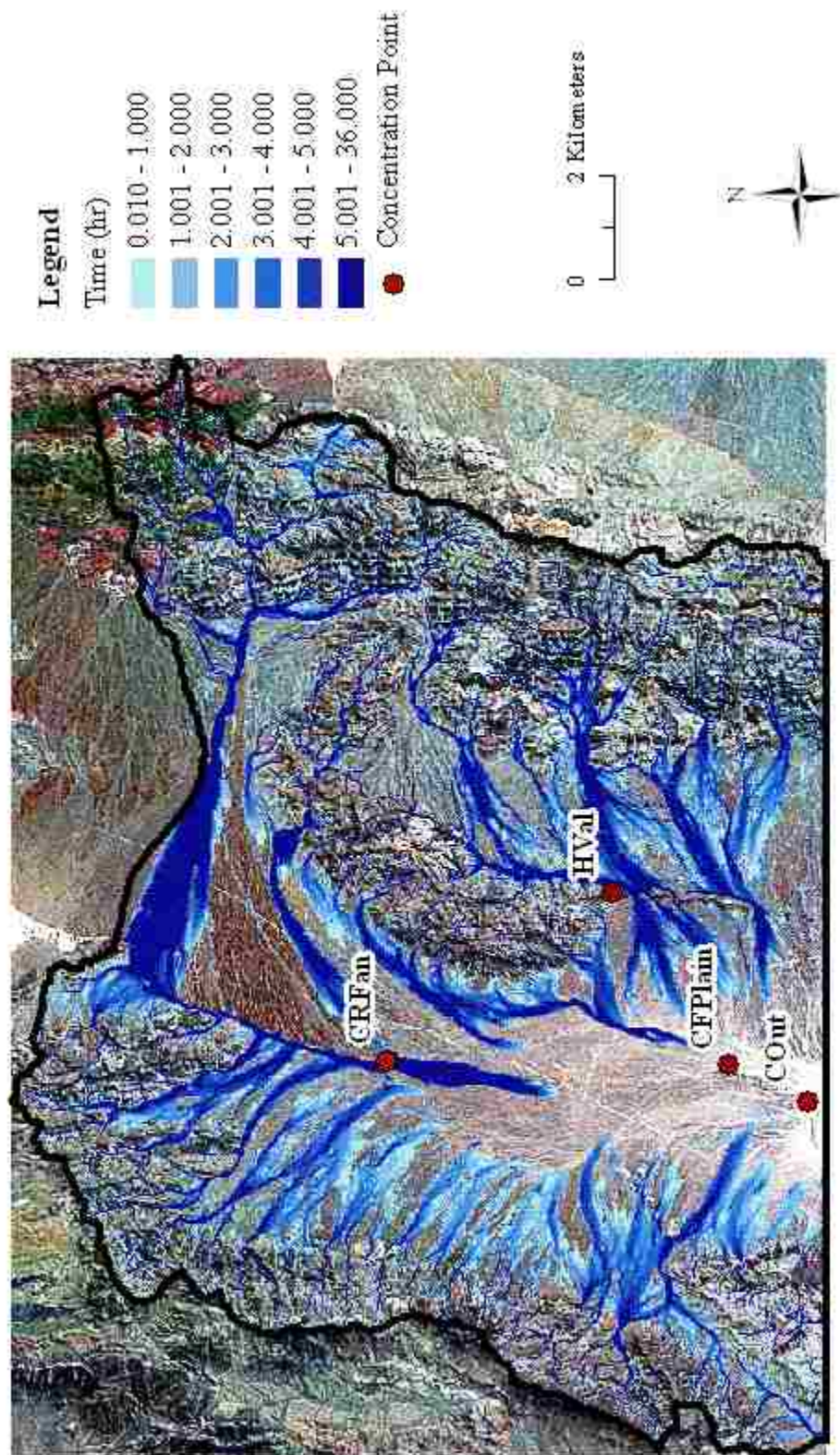


Figure 0-501 - Duration of inundation of runoff for 0-day drying period after saturated conditions followed by event of 50-year frequency



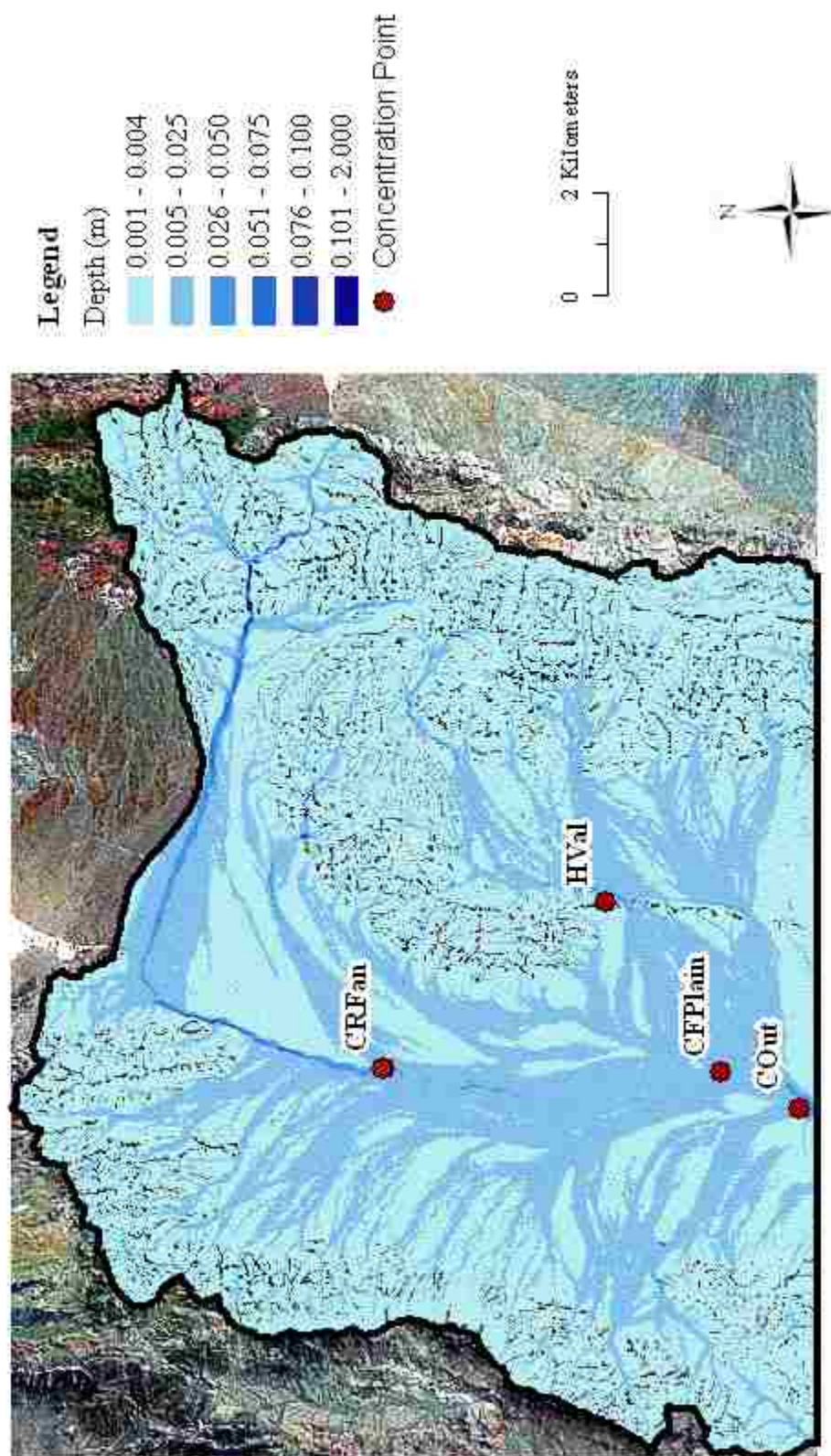


Figure 1-500 D - Maximum depth of runoff for 1-day drying period after saturated conditions followed by event of 500-year frequency



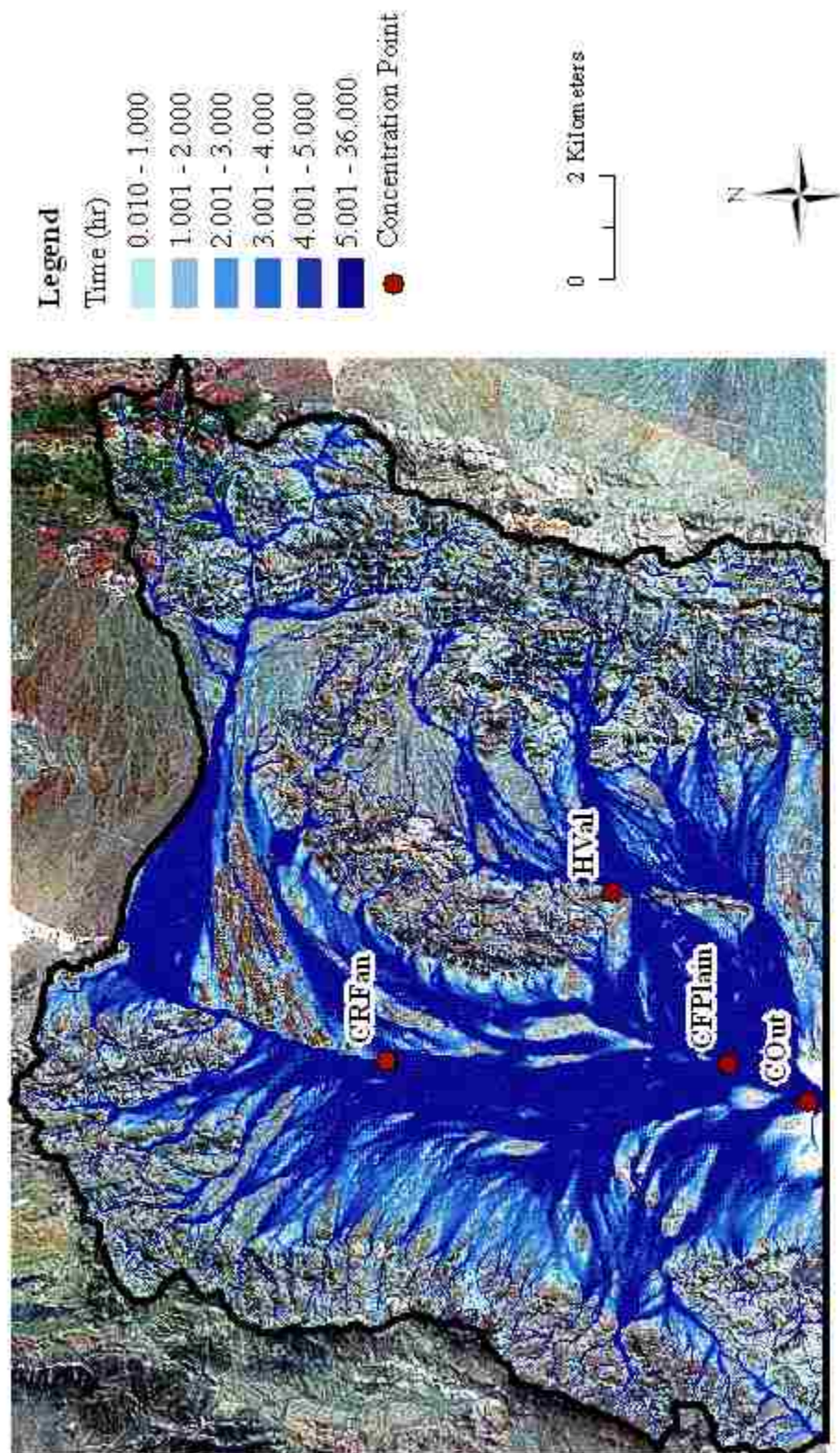


Figure 1-5001 - Duration of inundation of runoff for 1-day drying period after saturated conditions followed by event of 500-year frequency



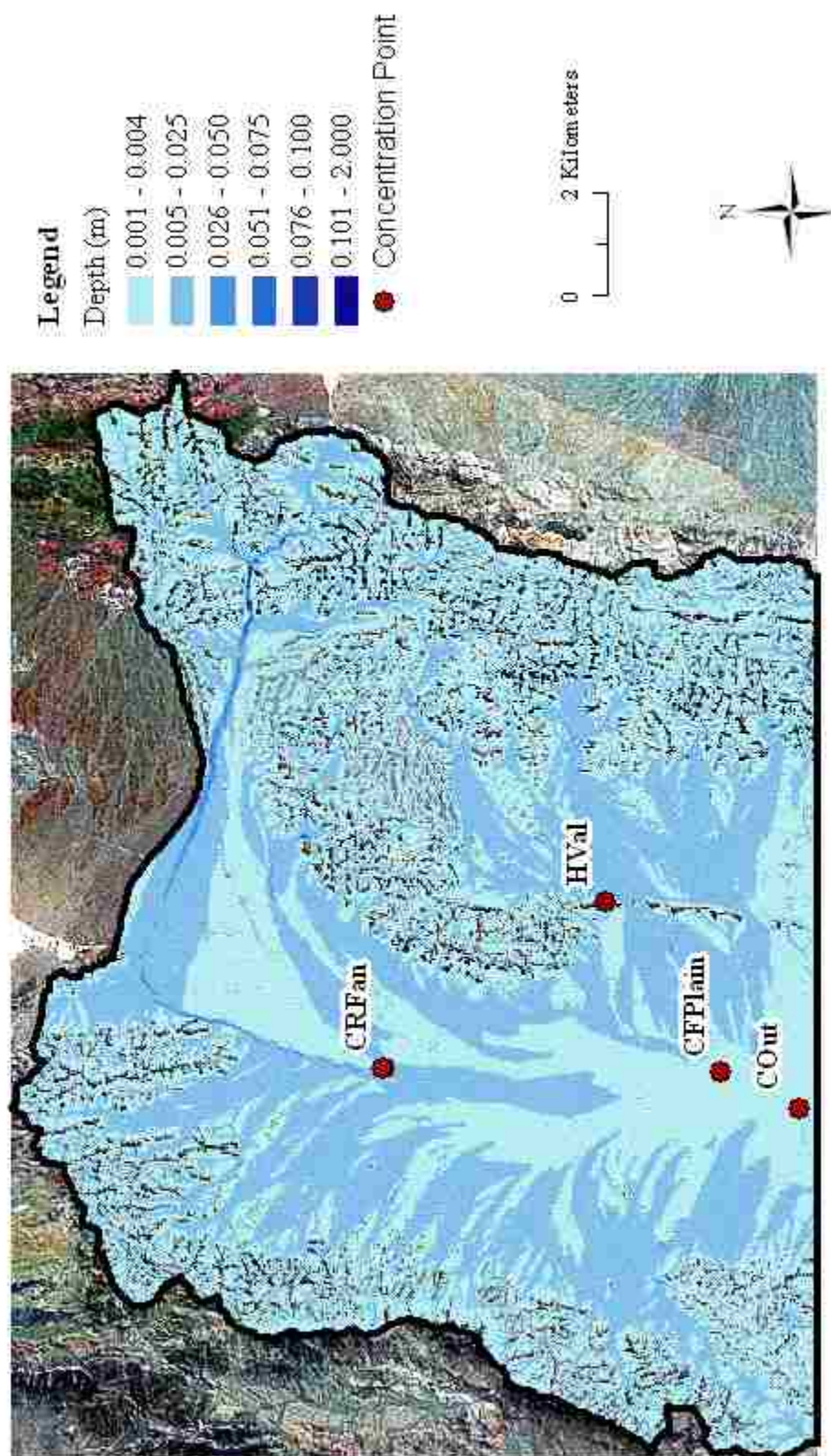


Figure 1-100 D - Maximum depth of runoff for 1-day drying period after saturated conditions followed by event of 100-year frequency



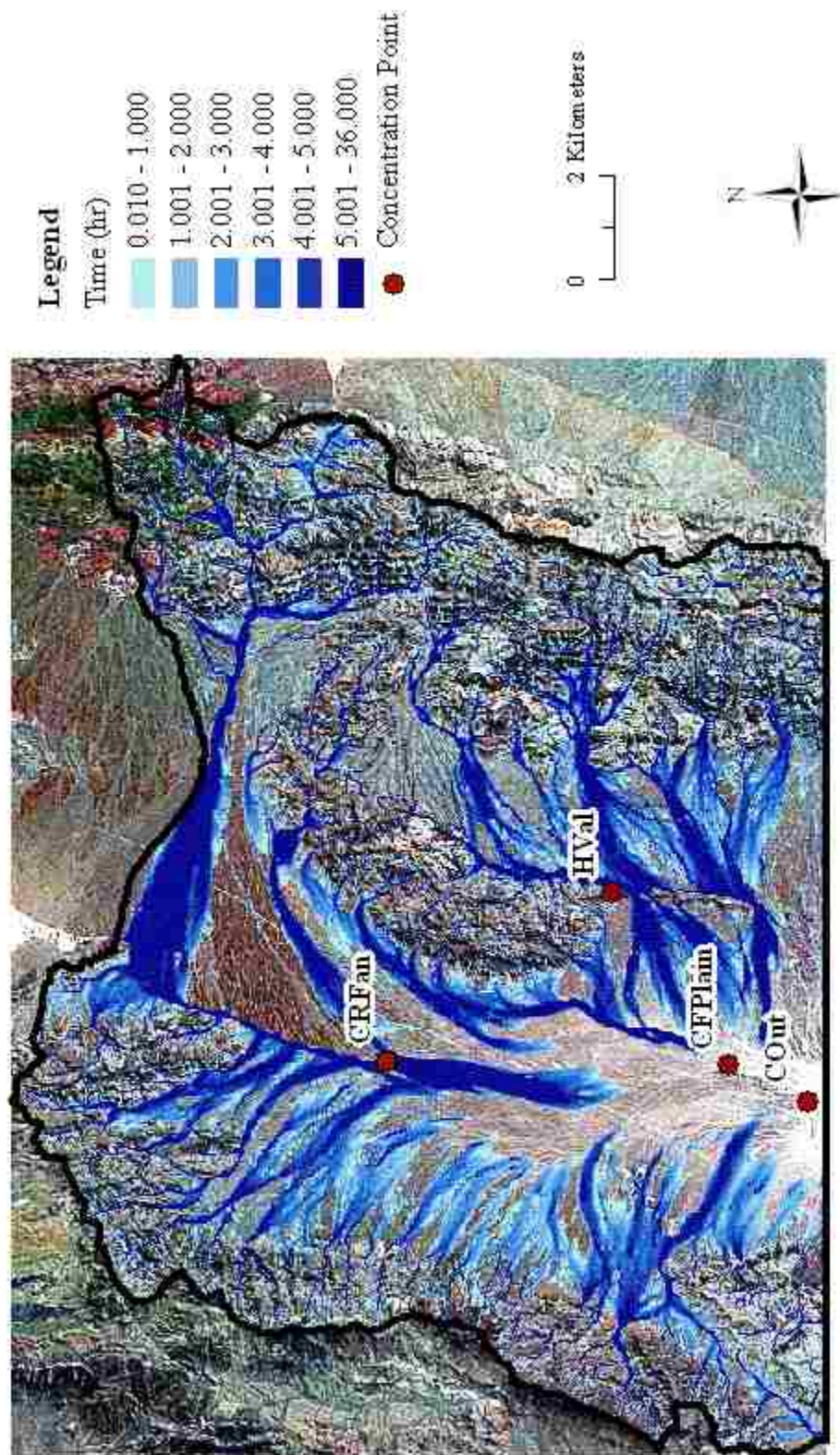


Figure 1-1001 - Duration of inundation of runoff for 1-day drying period after saturated conditions followed by event of 100-year frequency



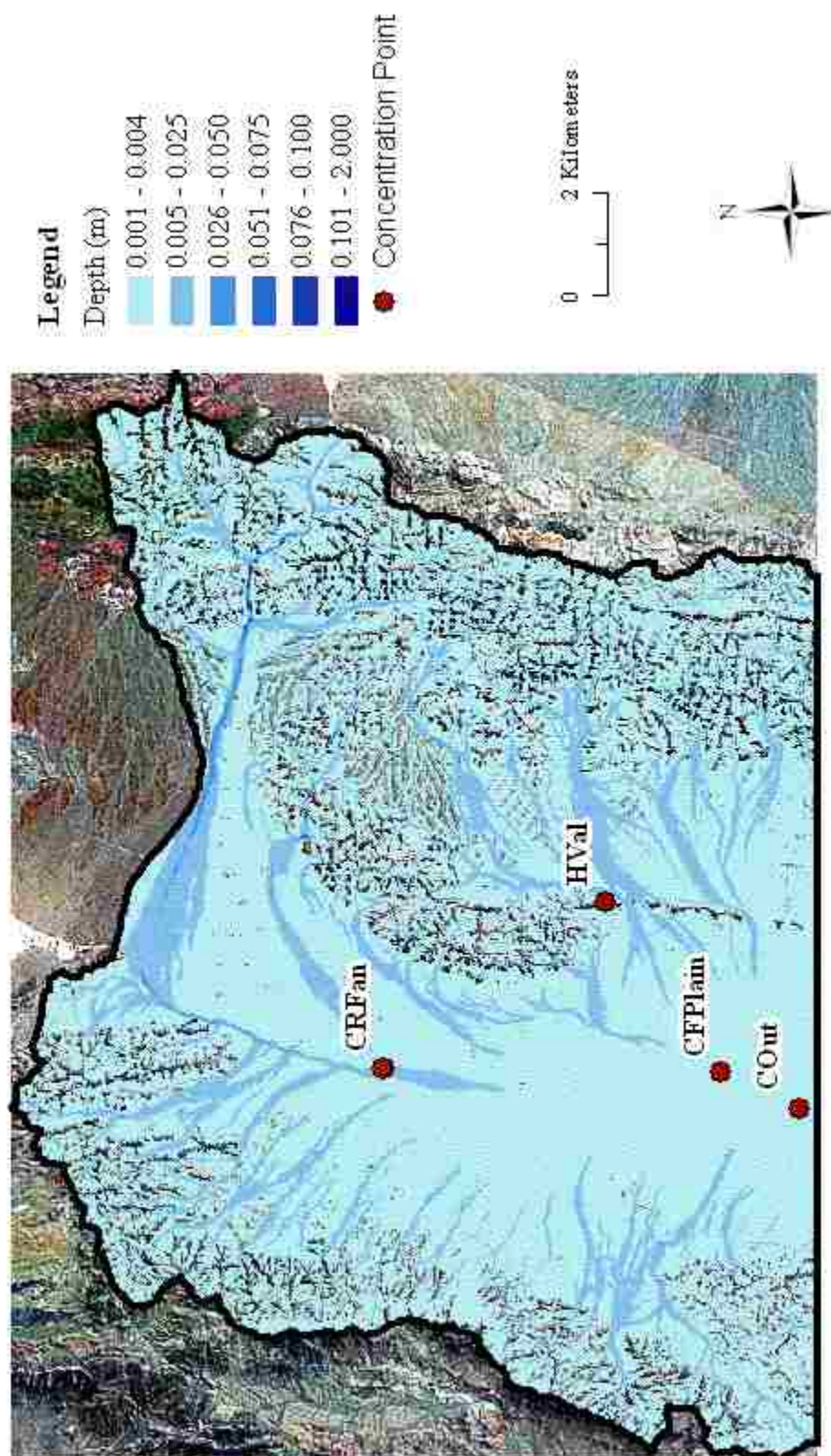


Figure 1-50D - Maximum depth of runoff for 1-day drying period after saturated conditions followed by event of 50-year frequency



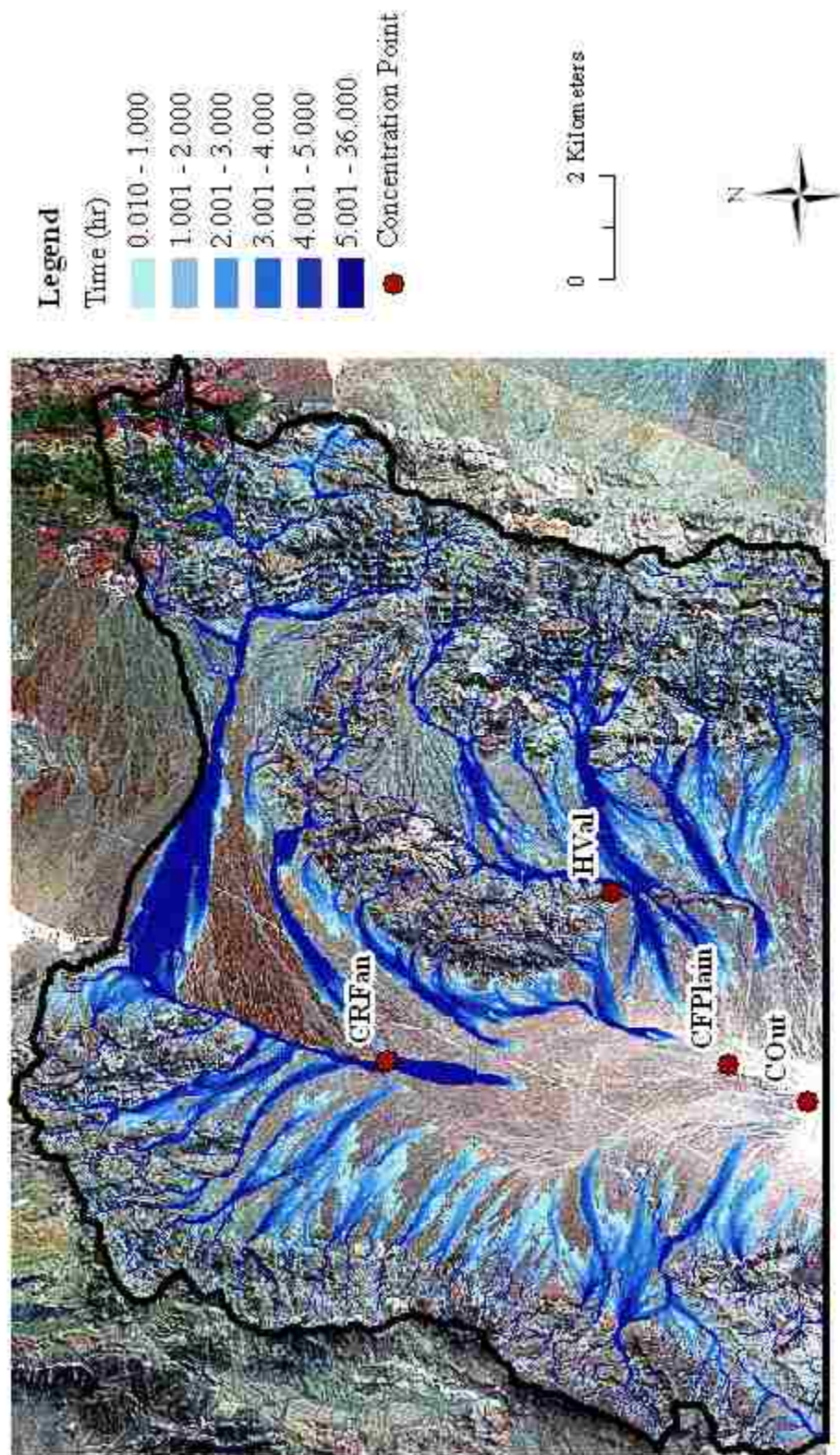


Figure 1-501 - Duration of inundation of runoff for 1-day drying period after saturated conditions followed by event of 50-year frequency



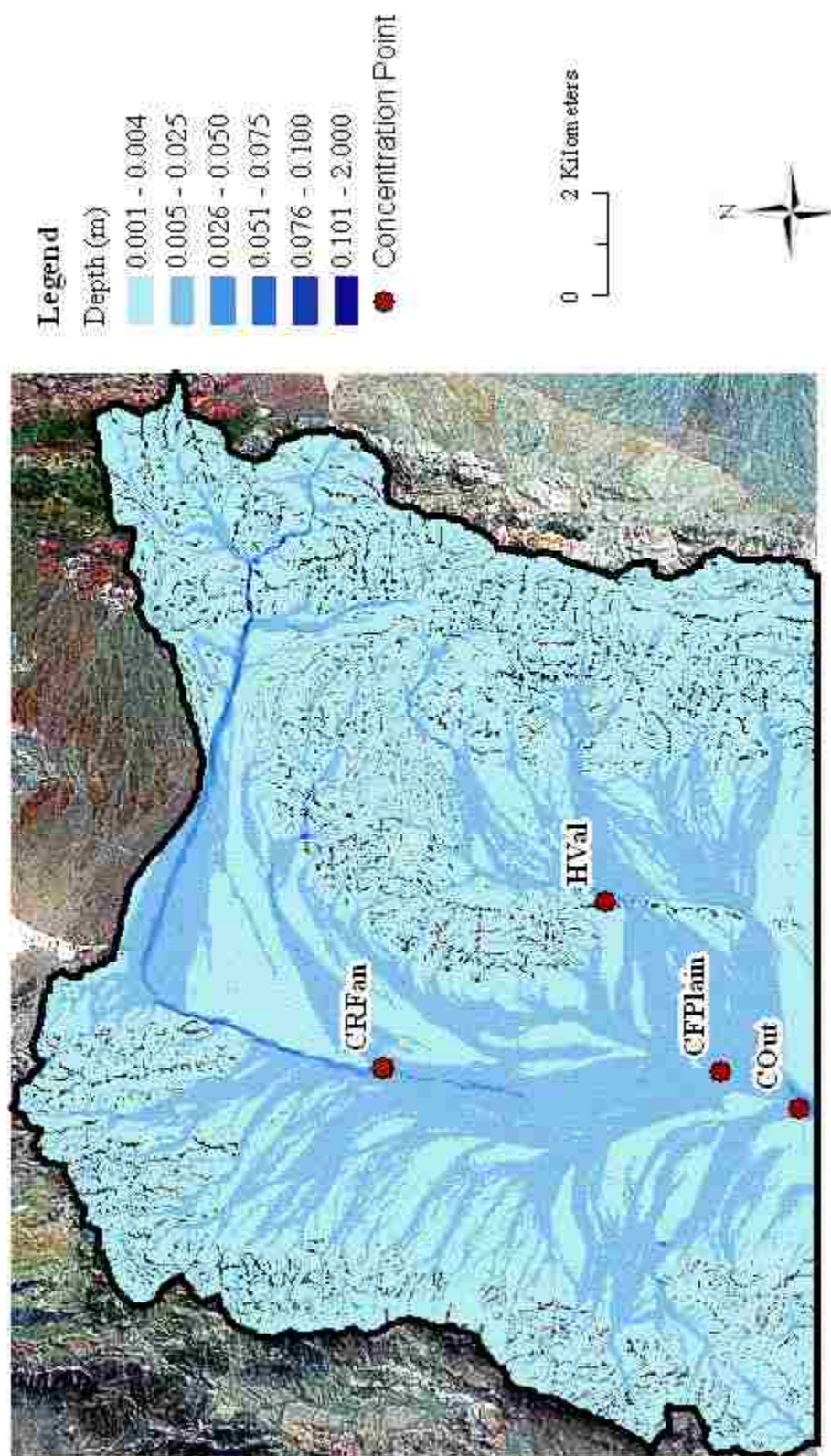


Figure 5-500 D - Maximum depth of runoff for 5-day drying period after saturated conditions followed by event of 500-year frequency



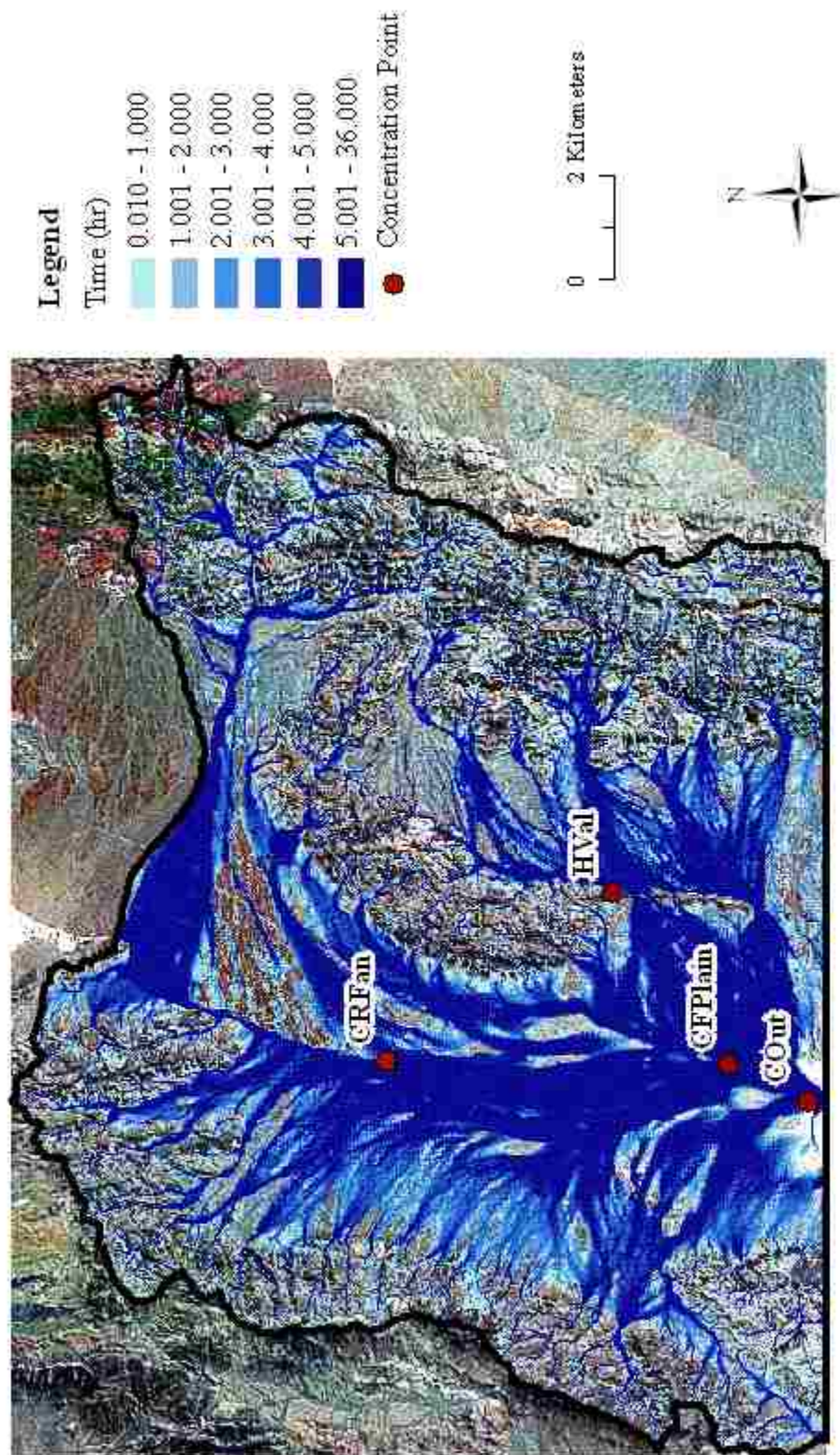


Figure 5-5001 - Duration of inundation of runoff for 5-day drying period after saturated conditions followed by event of 500-year frequency



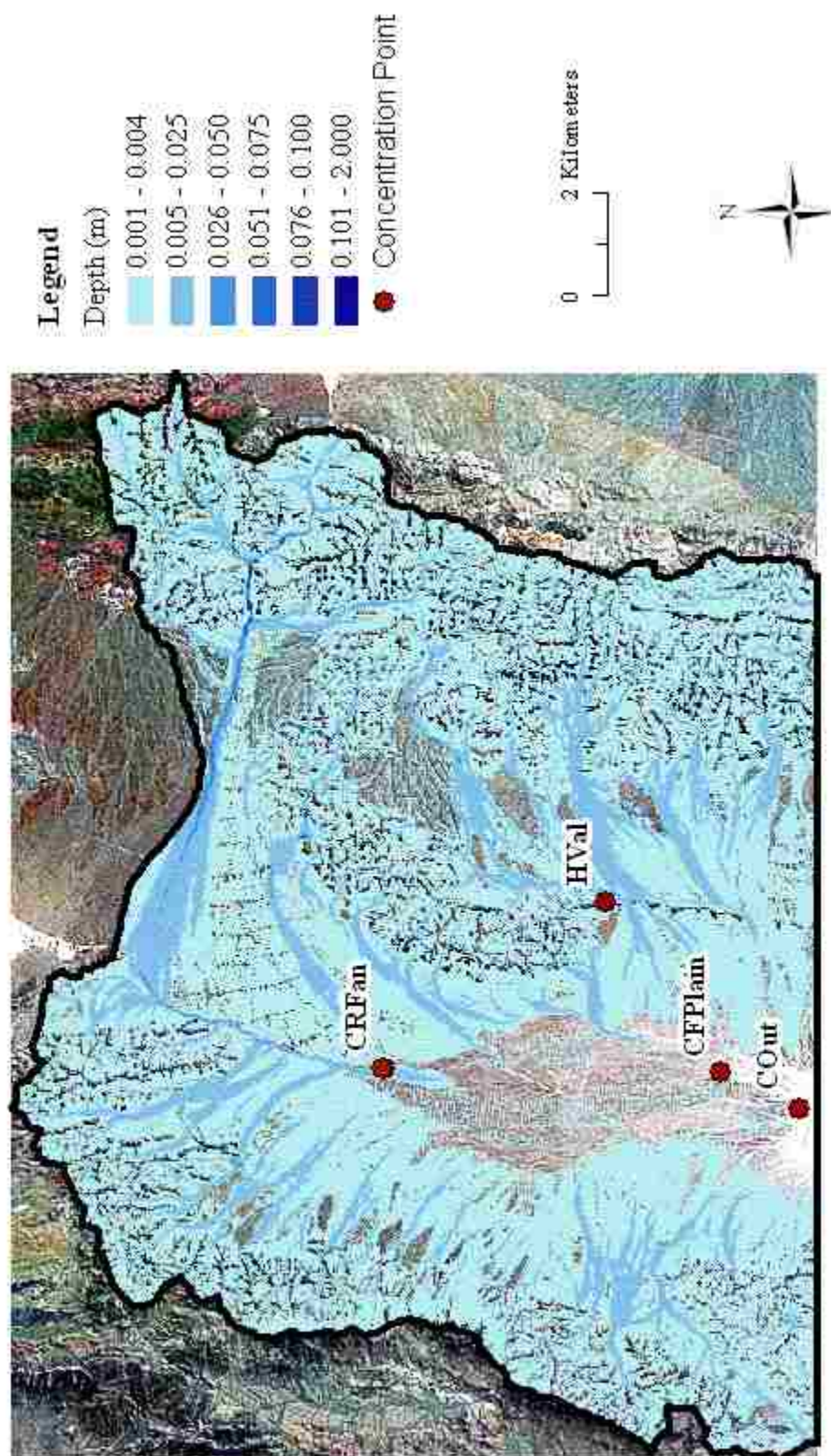


Figure 5-100 D - Maximum depth of runoff for 5-day drying period after saturated conditions followed by event of 100-year frequency



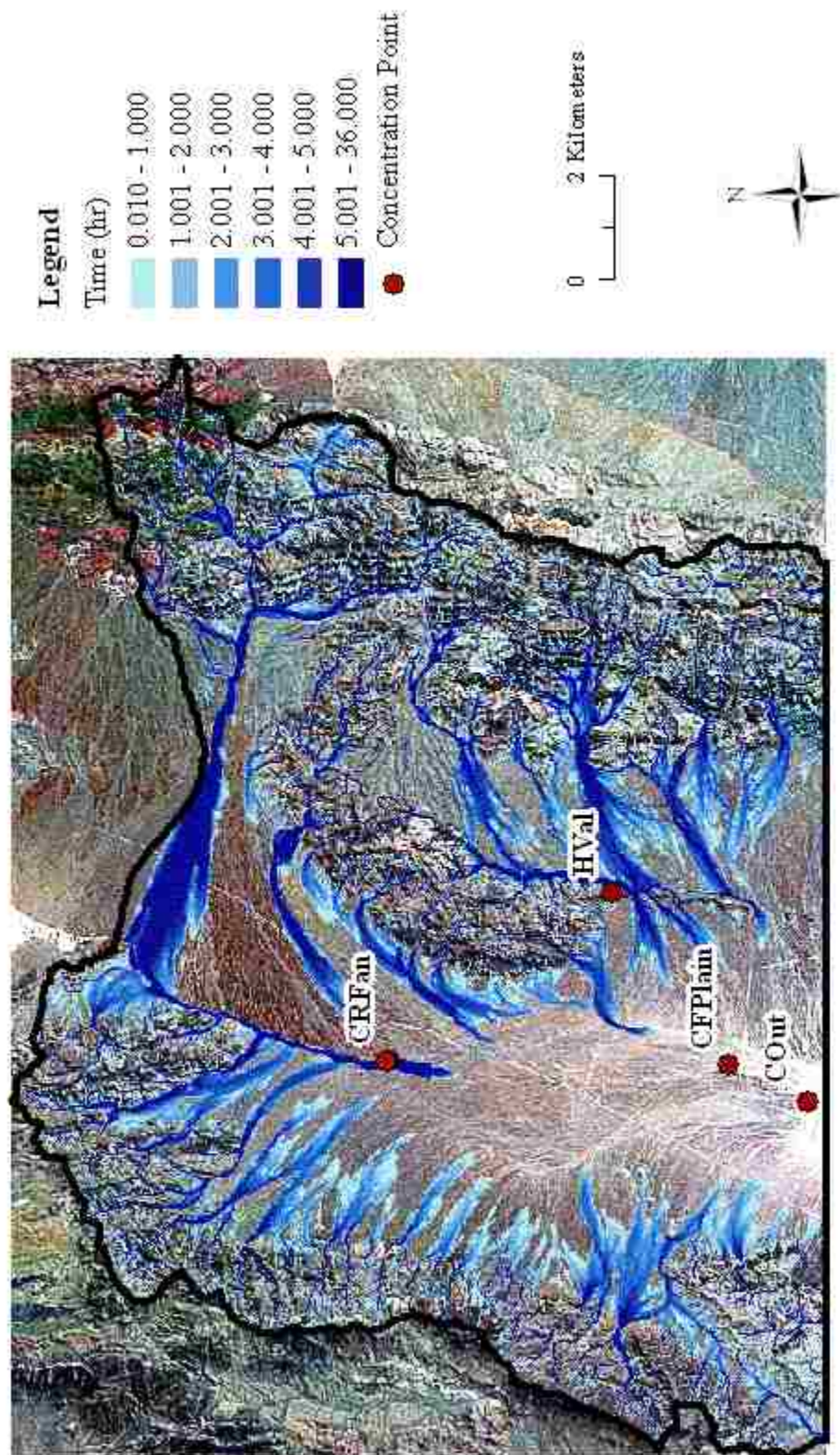


Figure 5-1001 - Duration of inundation of runoff for 5-day drying period after saturated conditions followed by event of 100-year frequency



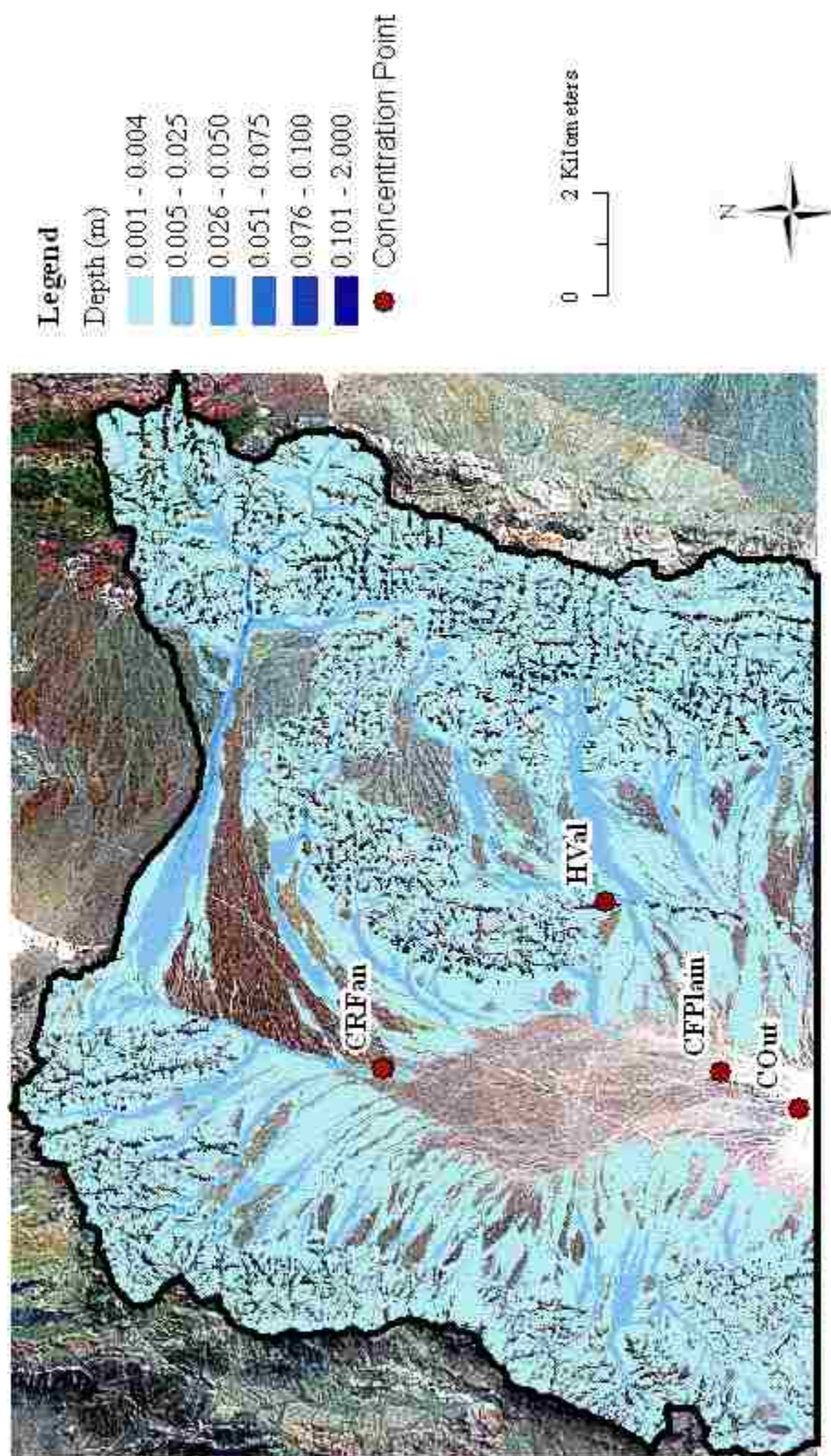


Figure 5-50D - Maximum depth of runoff for 5-day drying period after saturated conditions followed by event of 50-year frequency



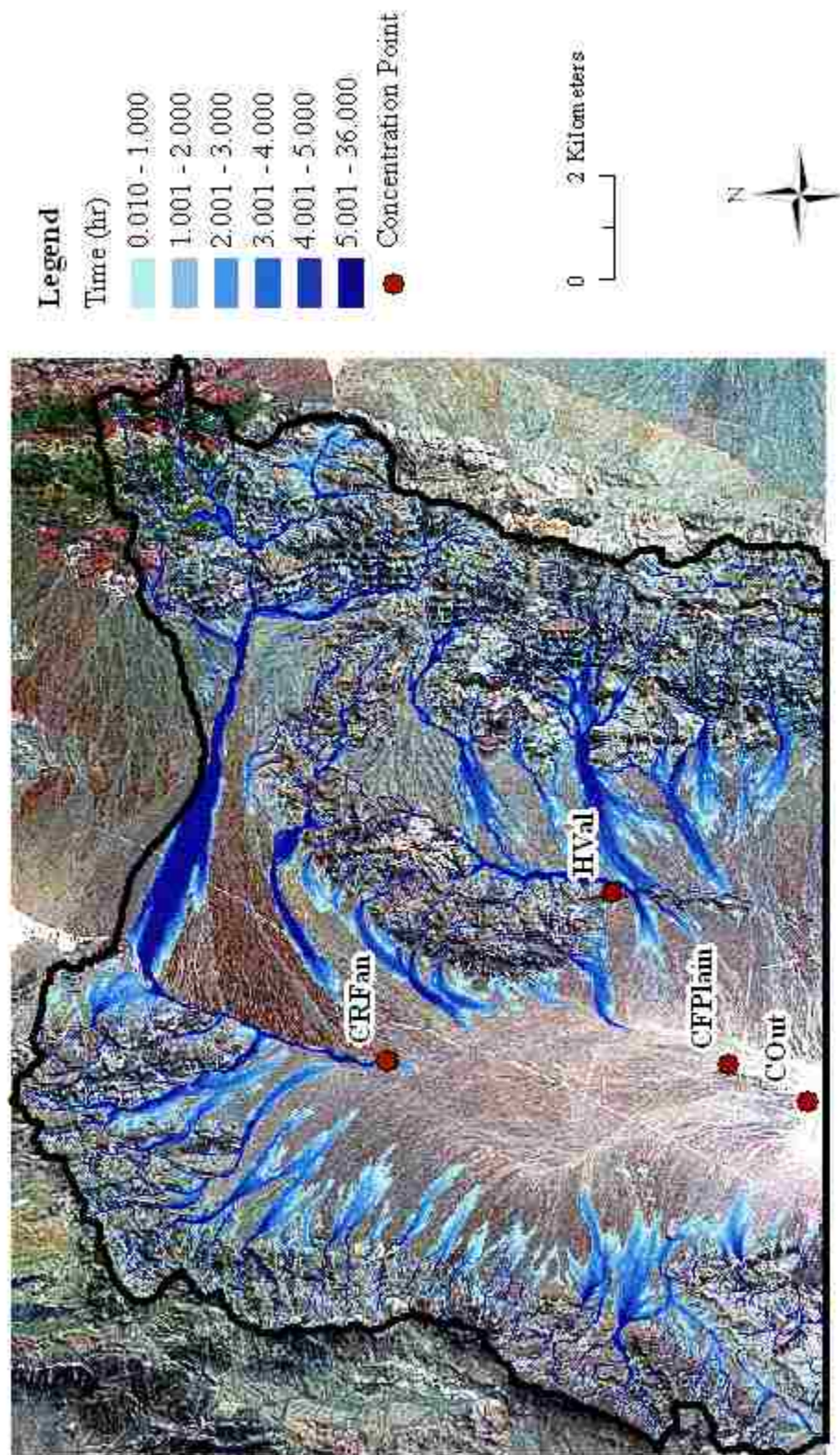
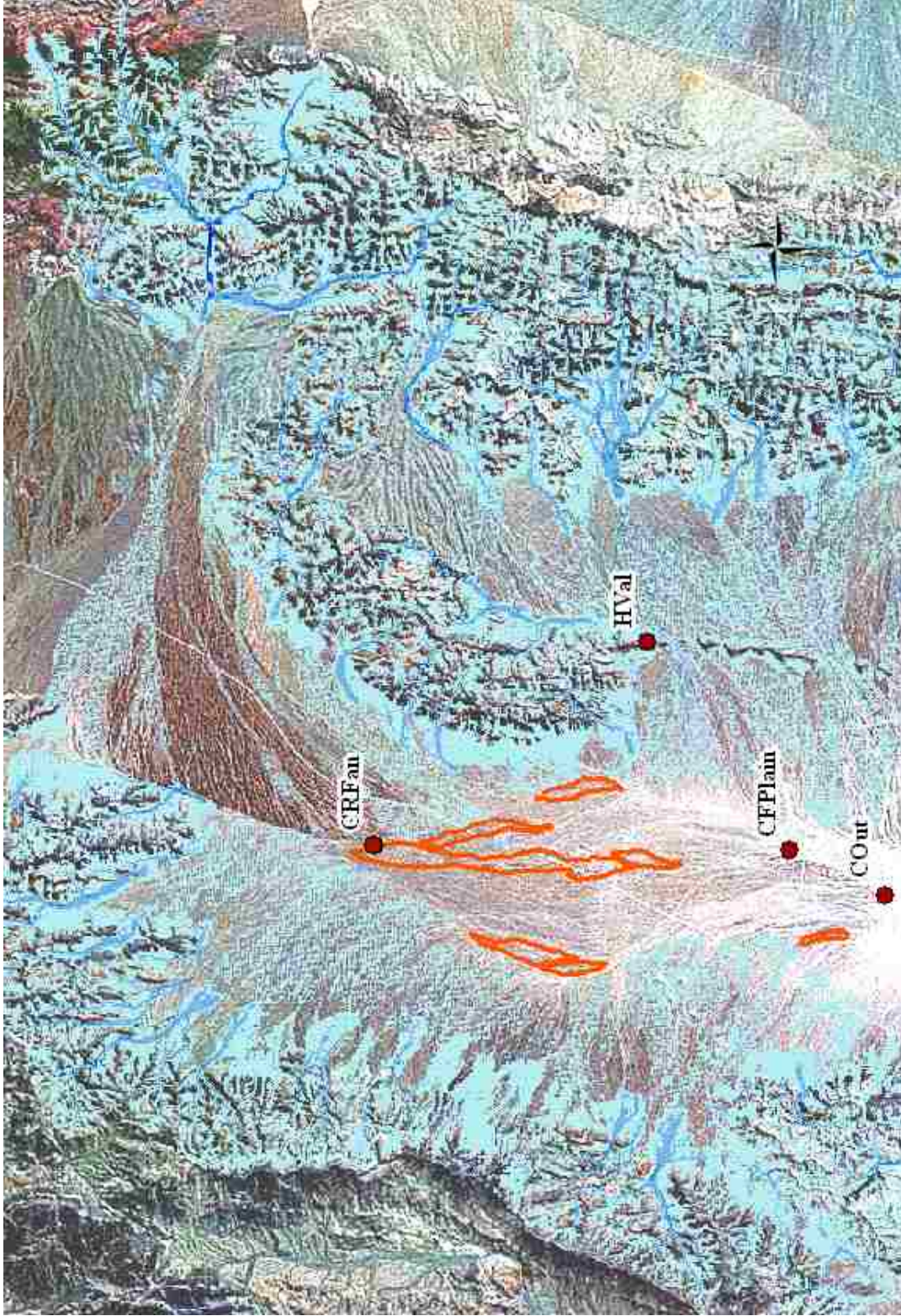


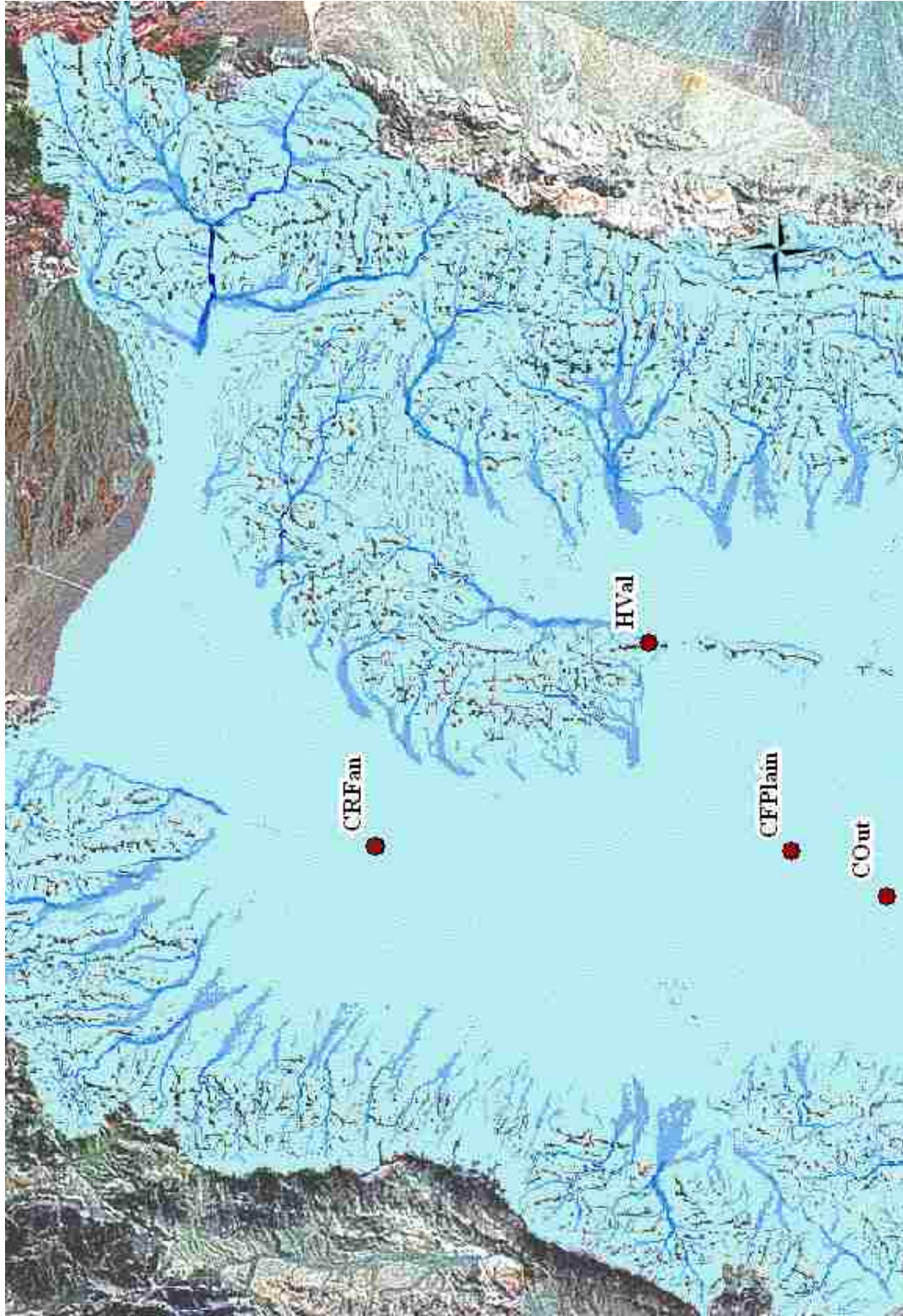
Figure 5-501 - Duration of inundation of runoff for 5-day drying period after saturated conditions followed by event of 50-year frequency





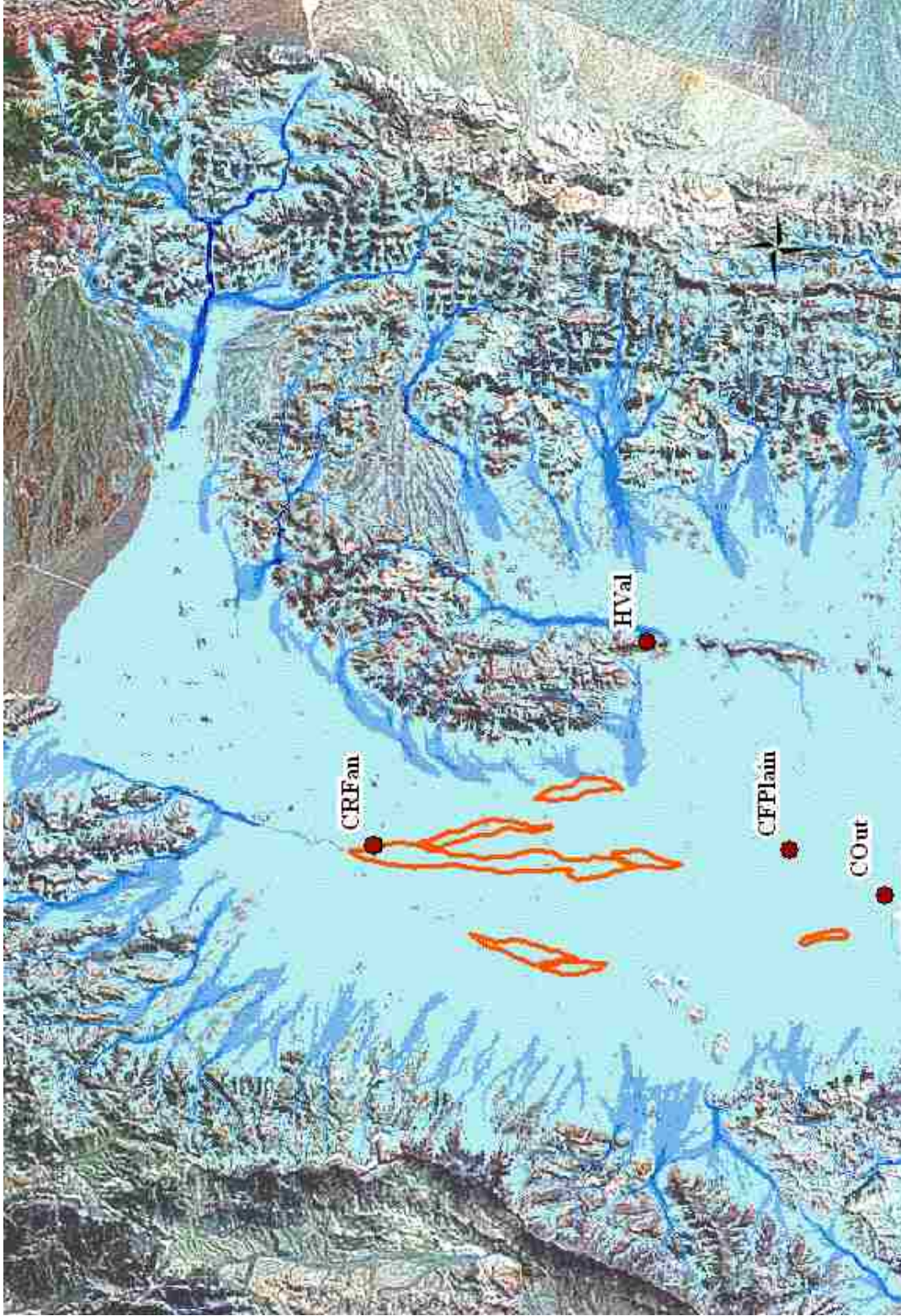
500-Year Event 1-Day Dry Time Floodwave Progression 3.0 Hours





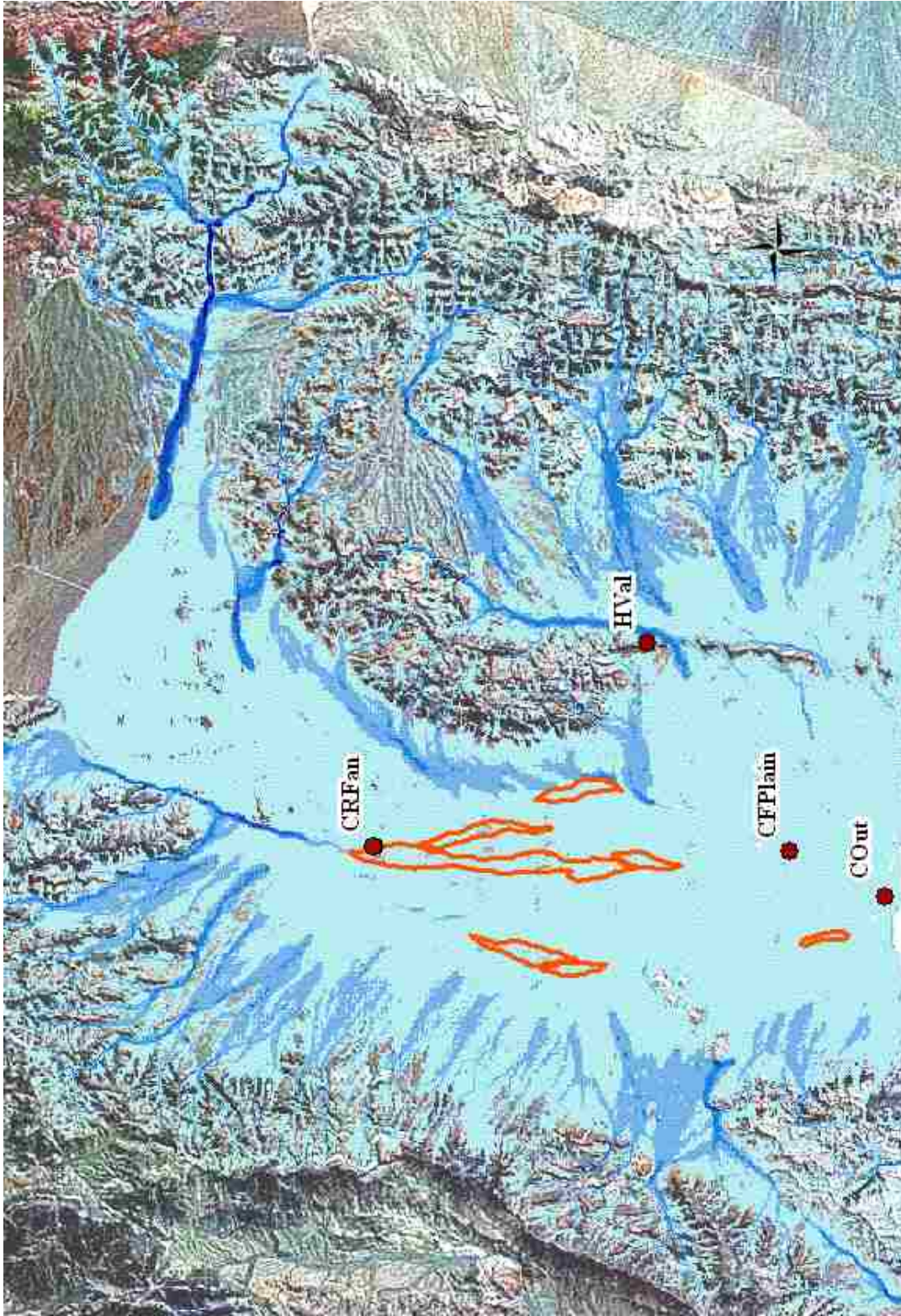
500-Year Event 1-Day Dry Time Floodwave Progression 3.5 Hours





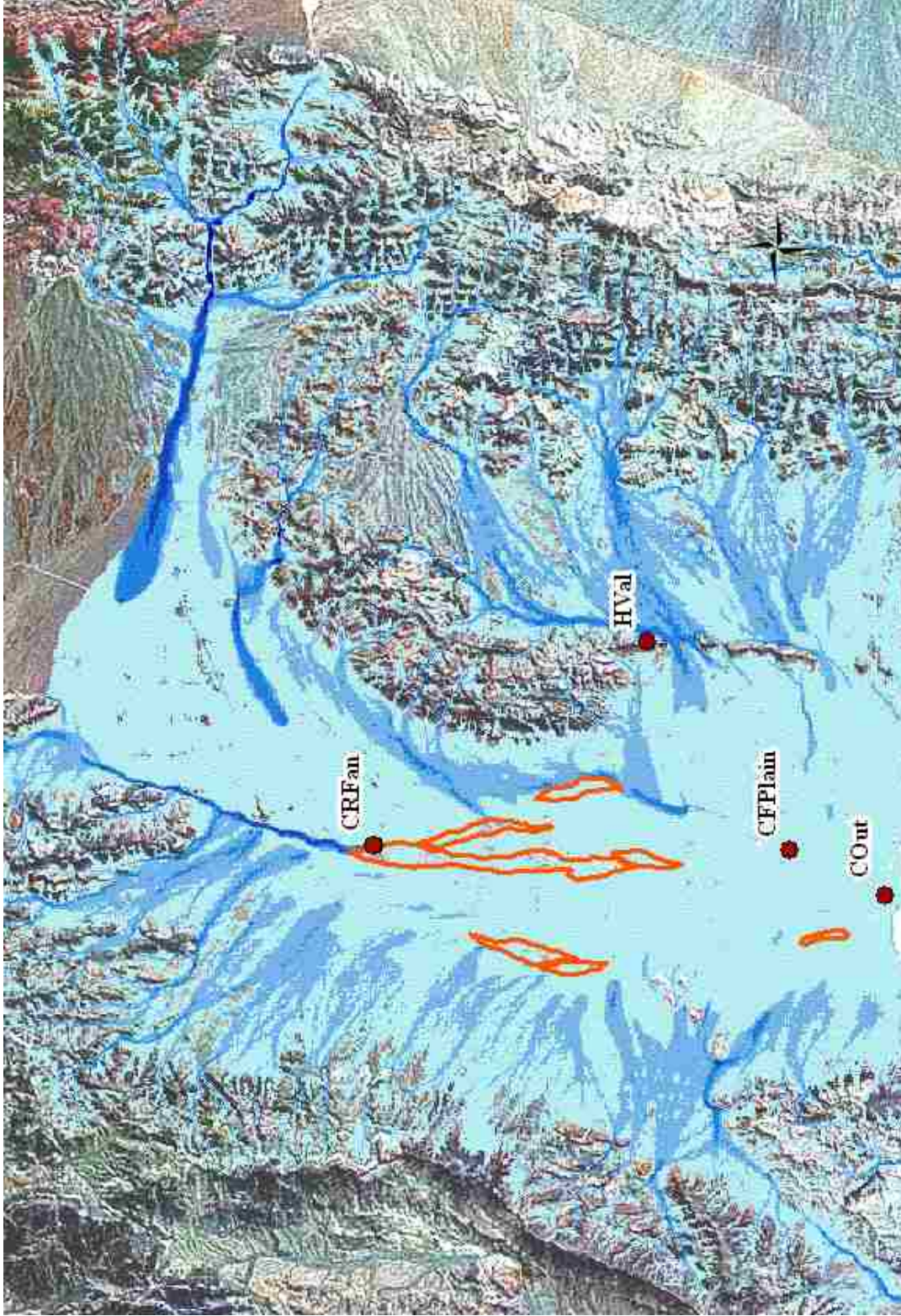
500-Year Event 1-Day Dry Time Floodwave Progression 4.0 Hours





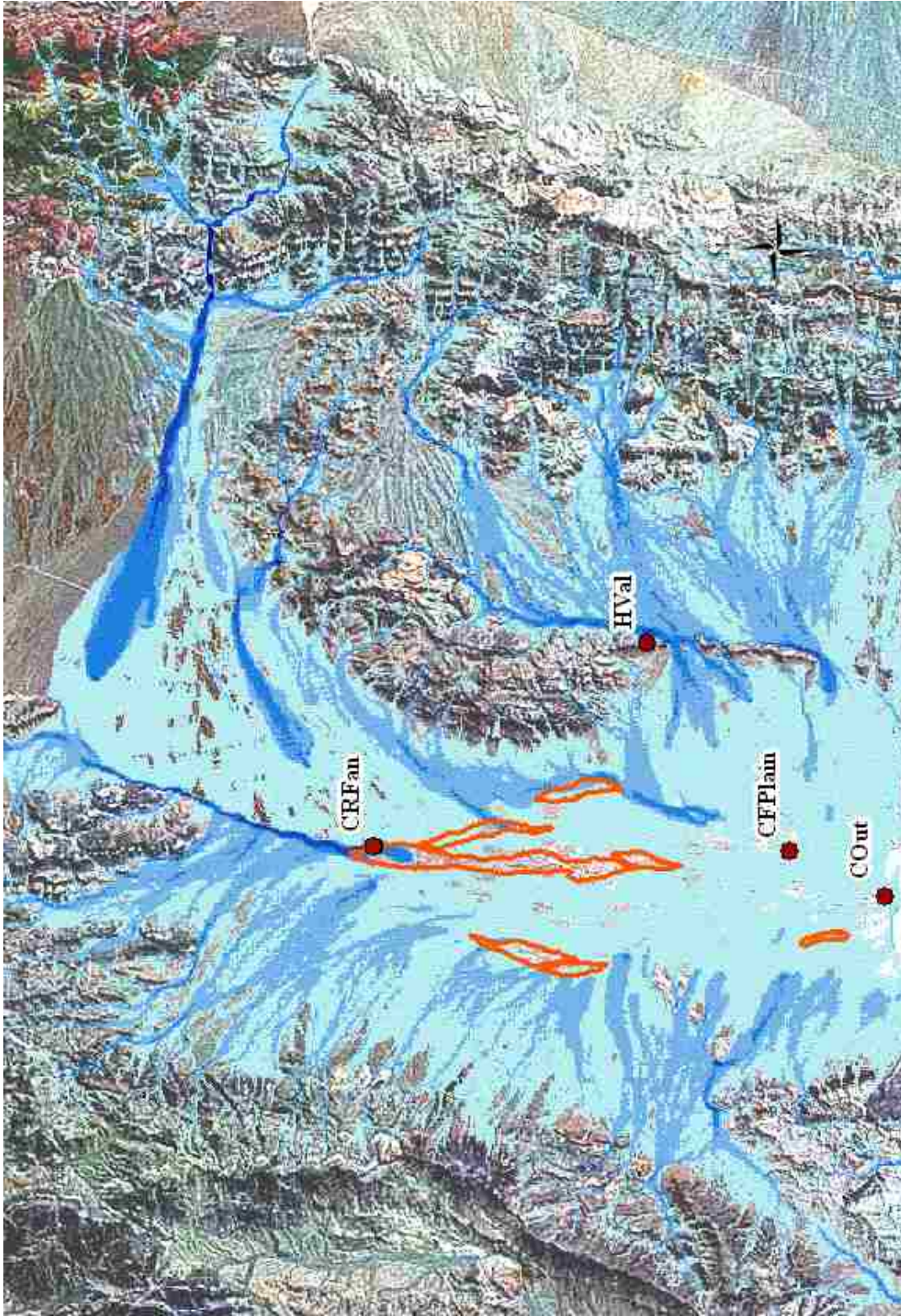
500-Year Event 1-Day Dry Time Floodwave Progression 4.5 Hours





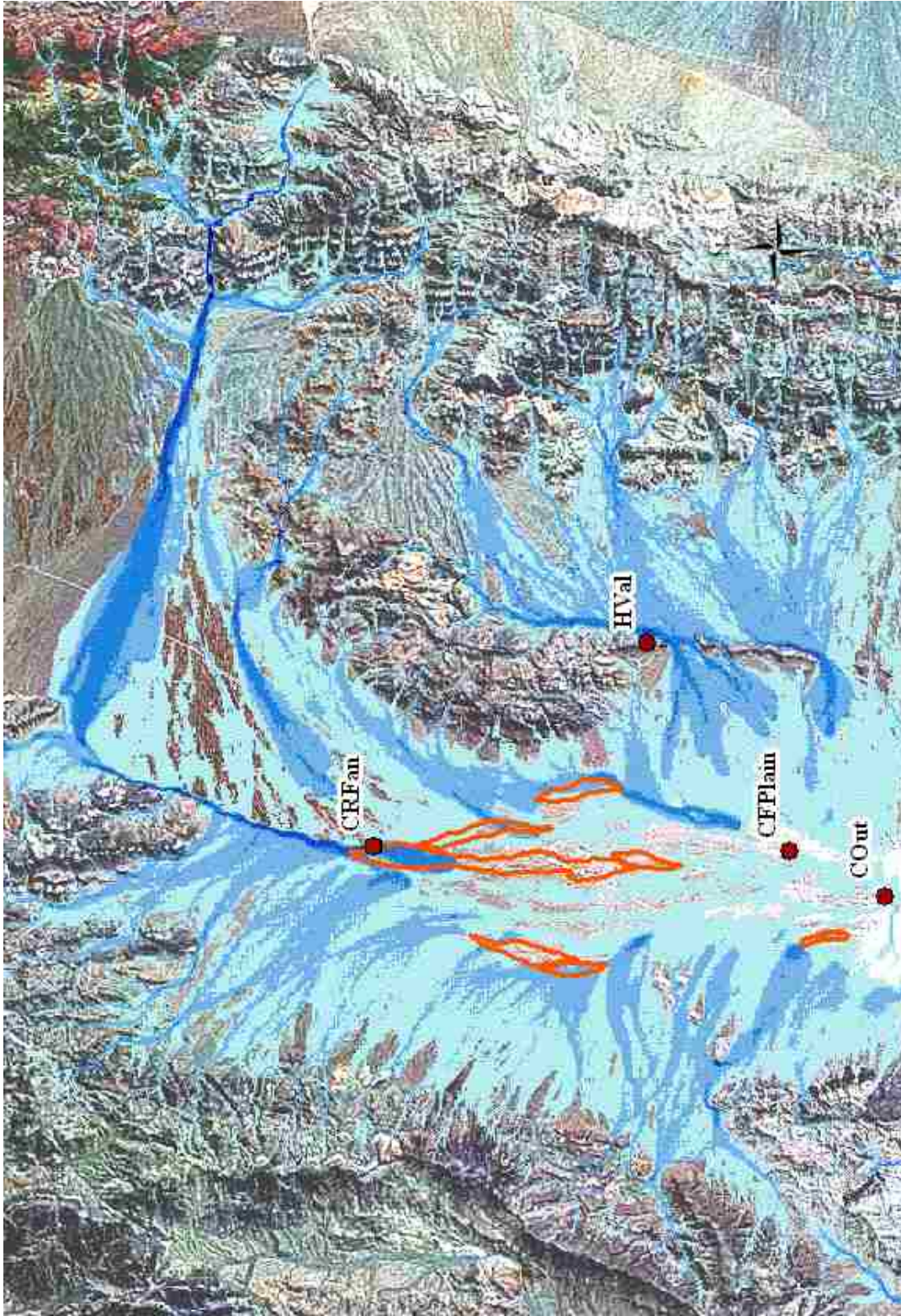
500-Year Event 1-Day Dry Time Floodwave Progression 5.0 Hours





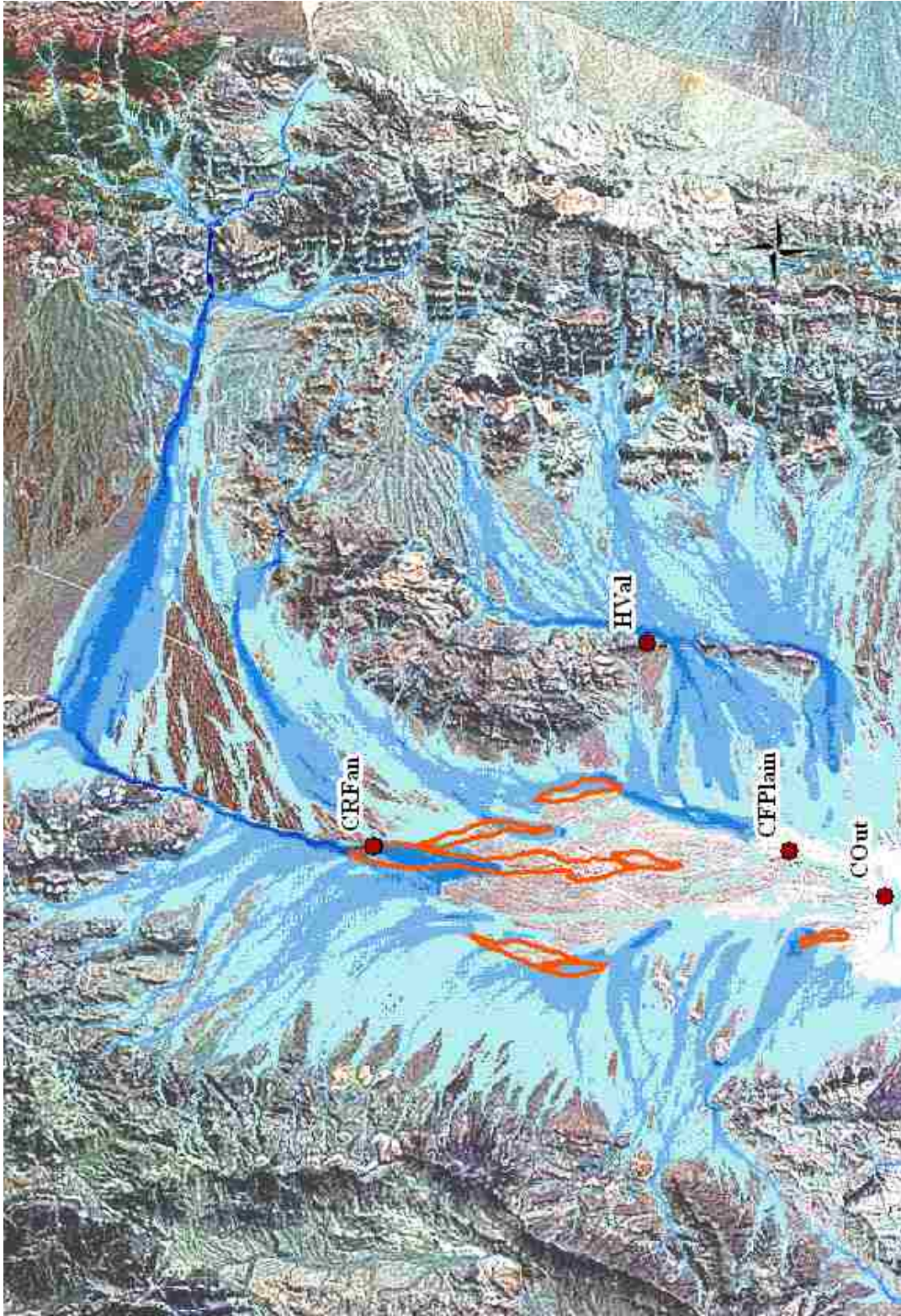
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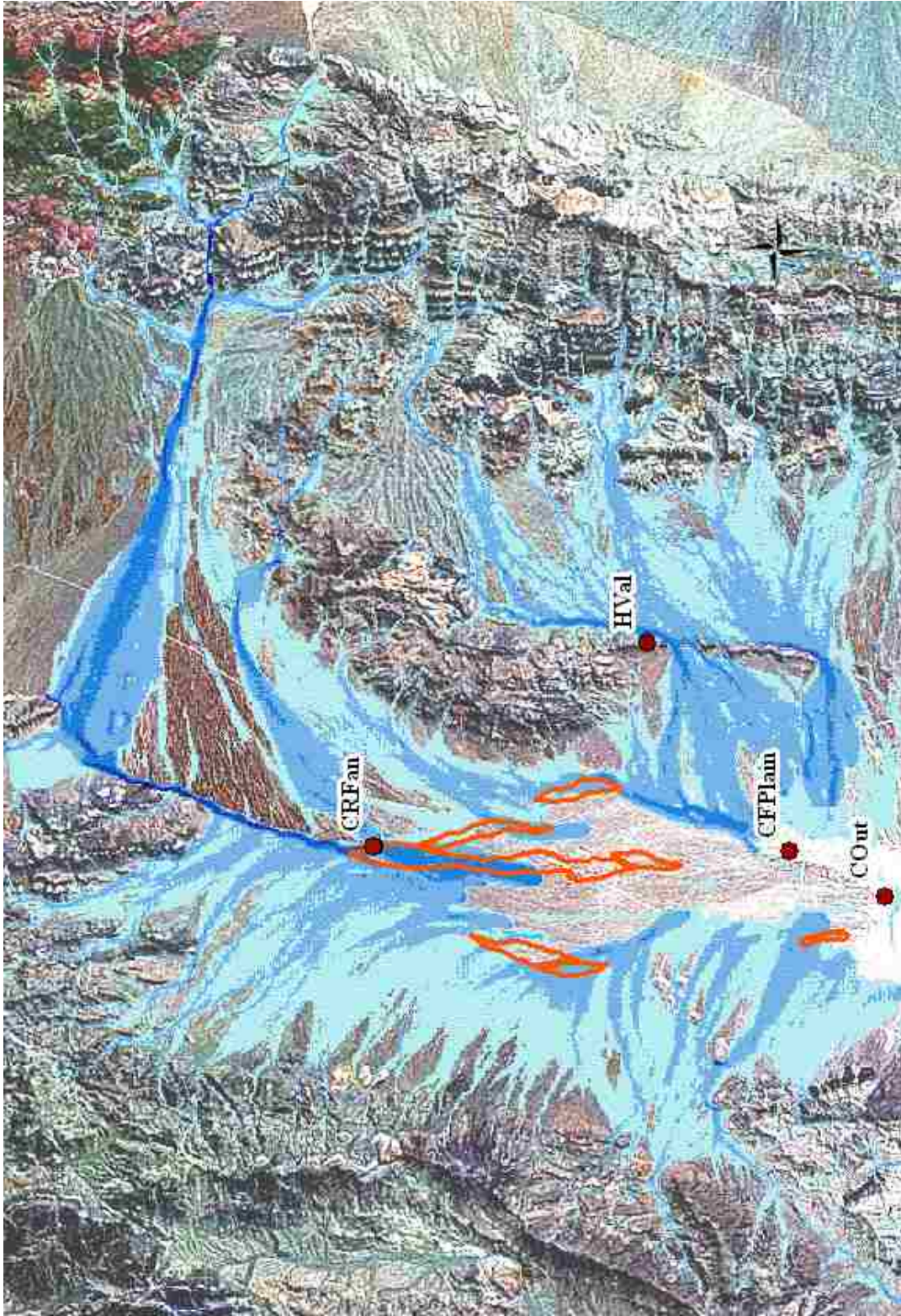
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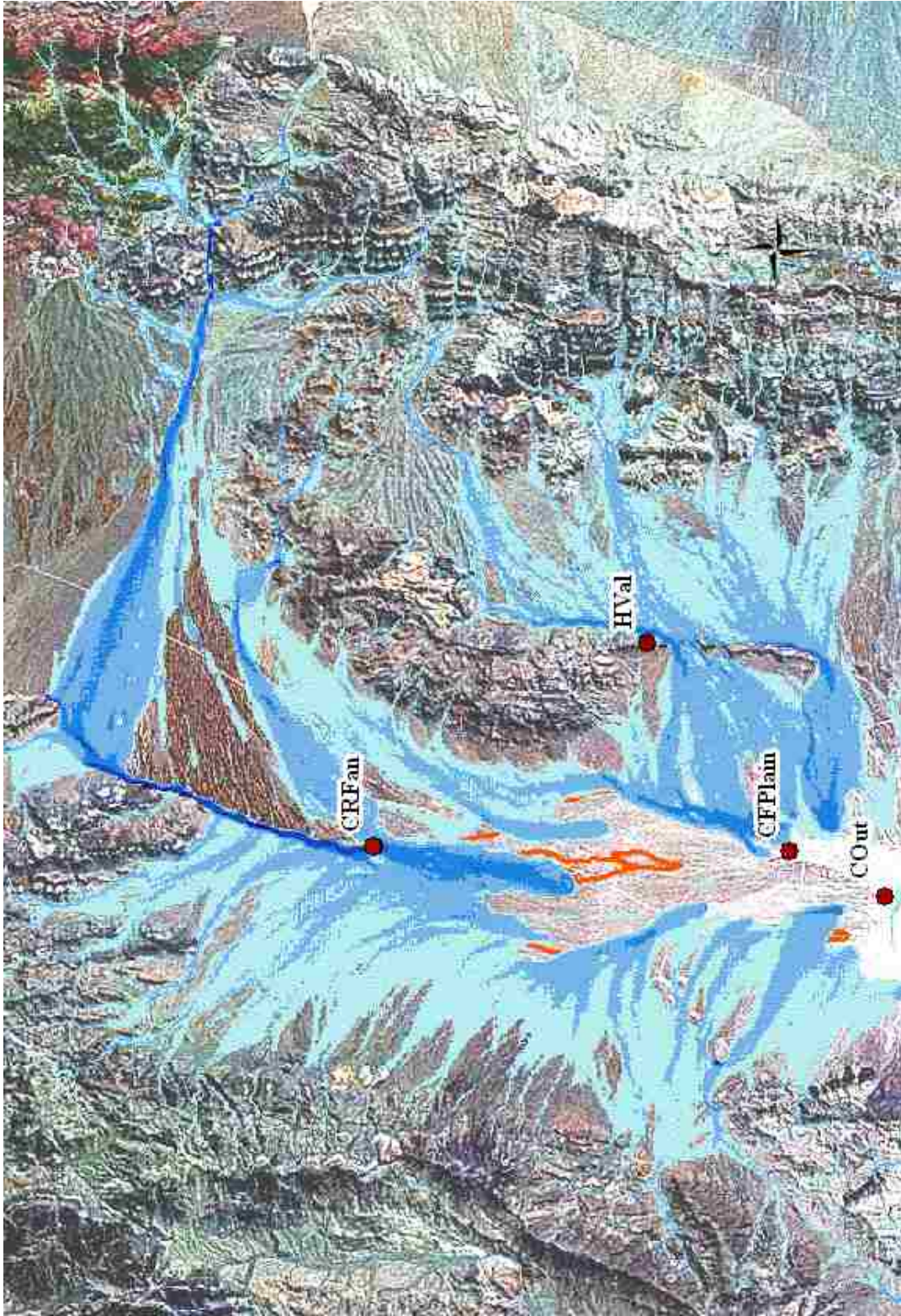
500-Year Event 1-Day Dry Time Floodwave Progression 6.5 Hours





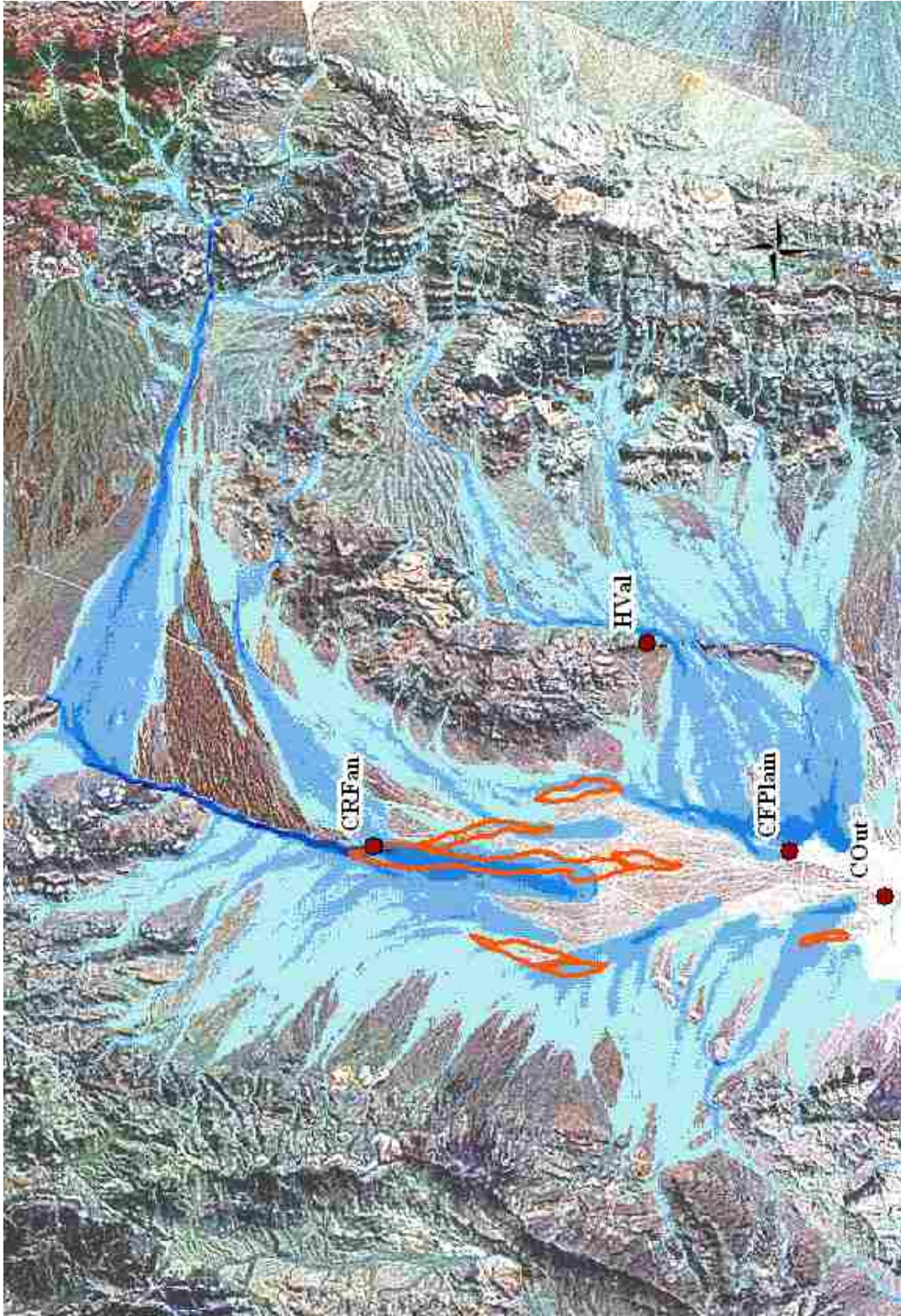
500-Year Event 1-Day Dry Time Floodwave Progression 7.0 Hours





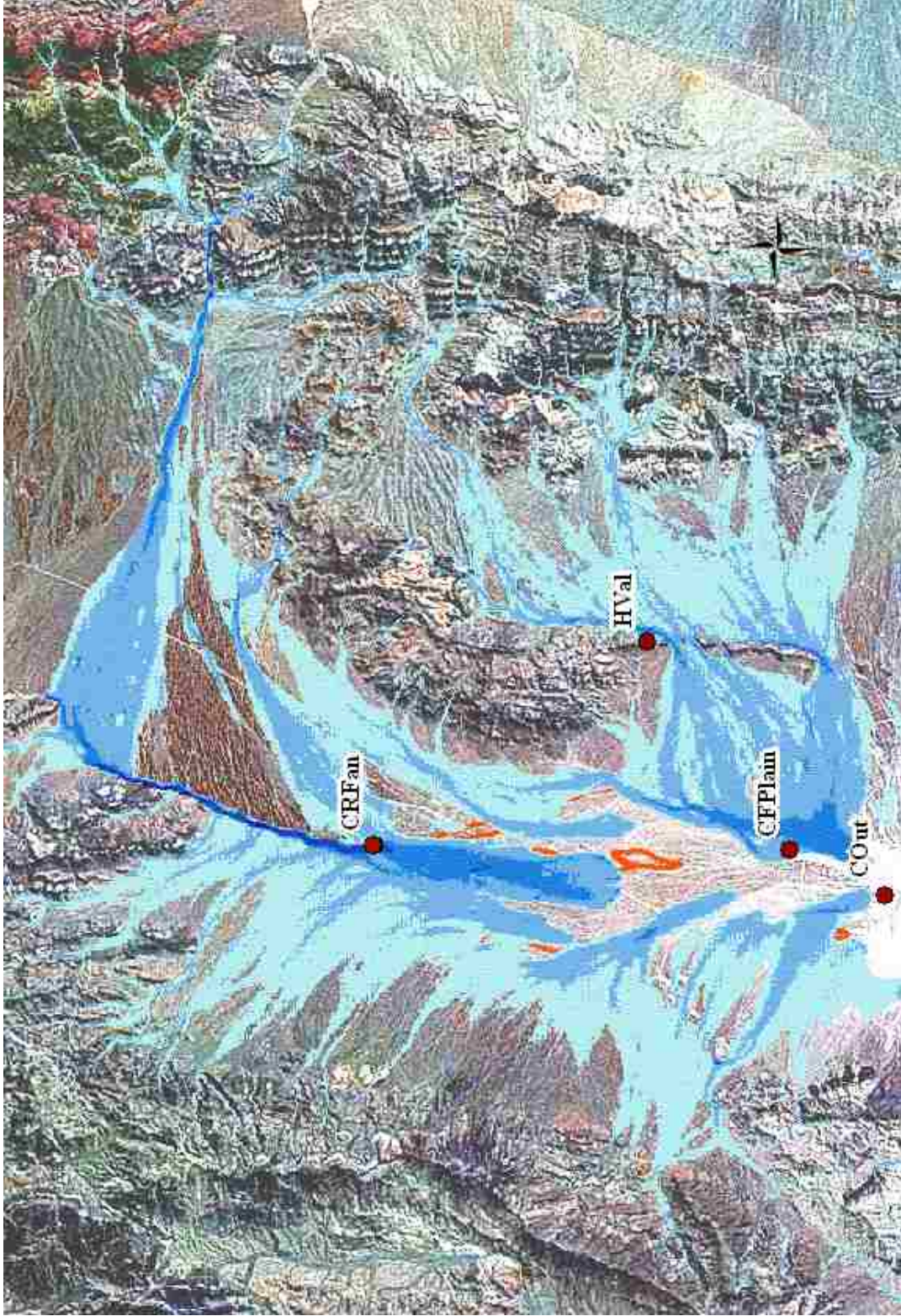
500-Year Event 1-Day Dry Time Floodwave Progression 7.5 Hours





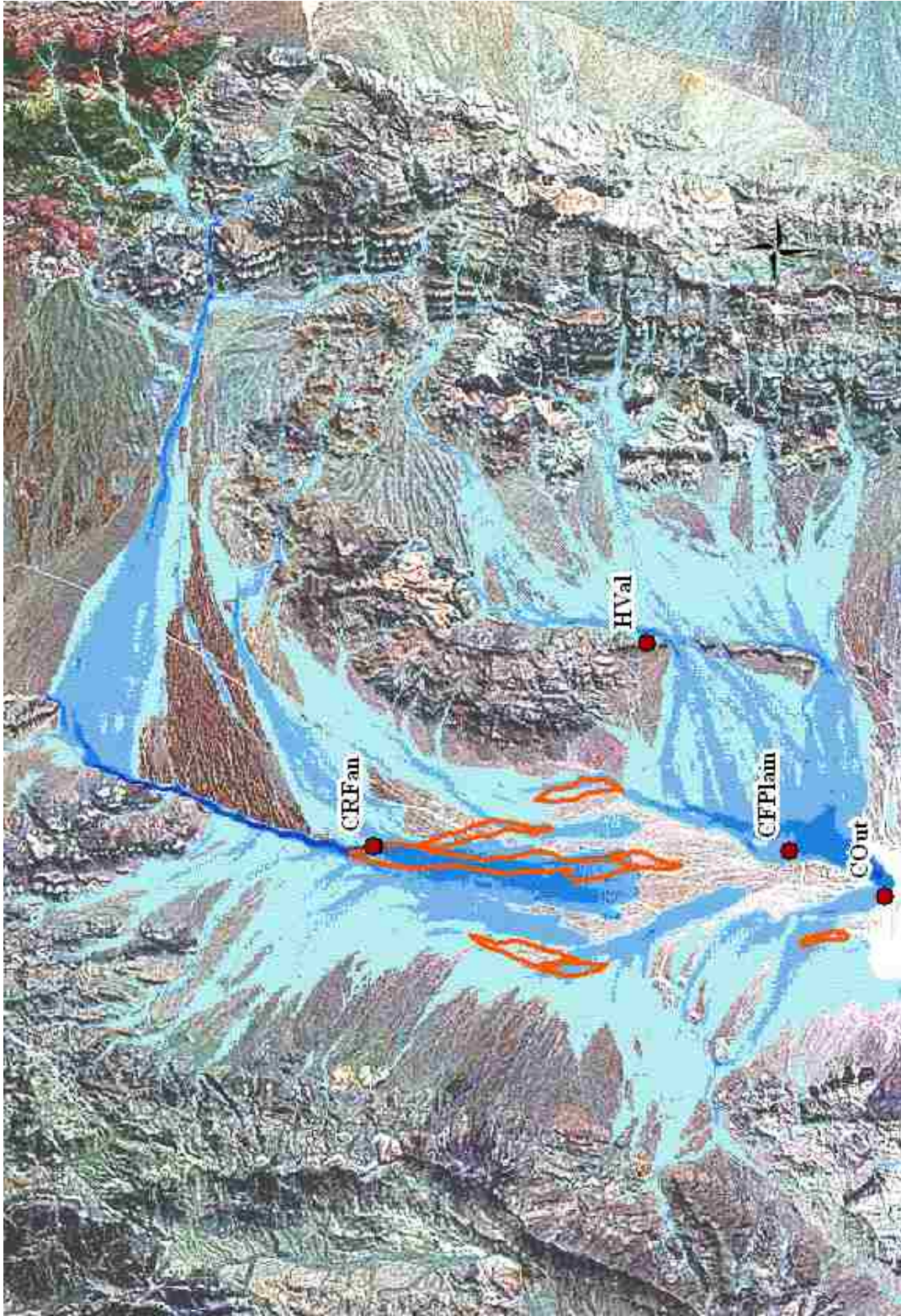
500-Year Event 1-Day Dry Time Floodwave Progression 8.0 Hours





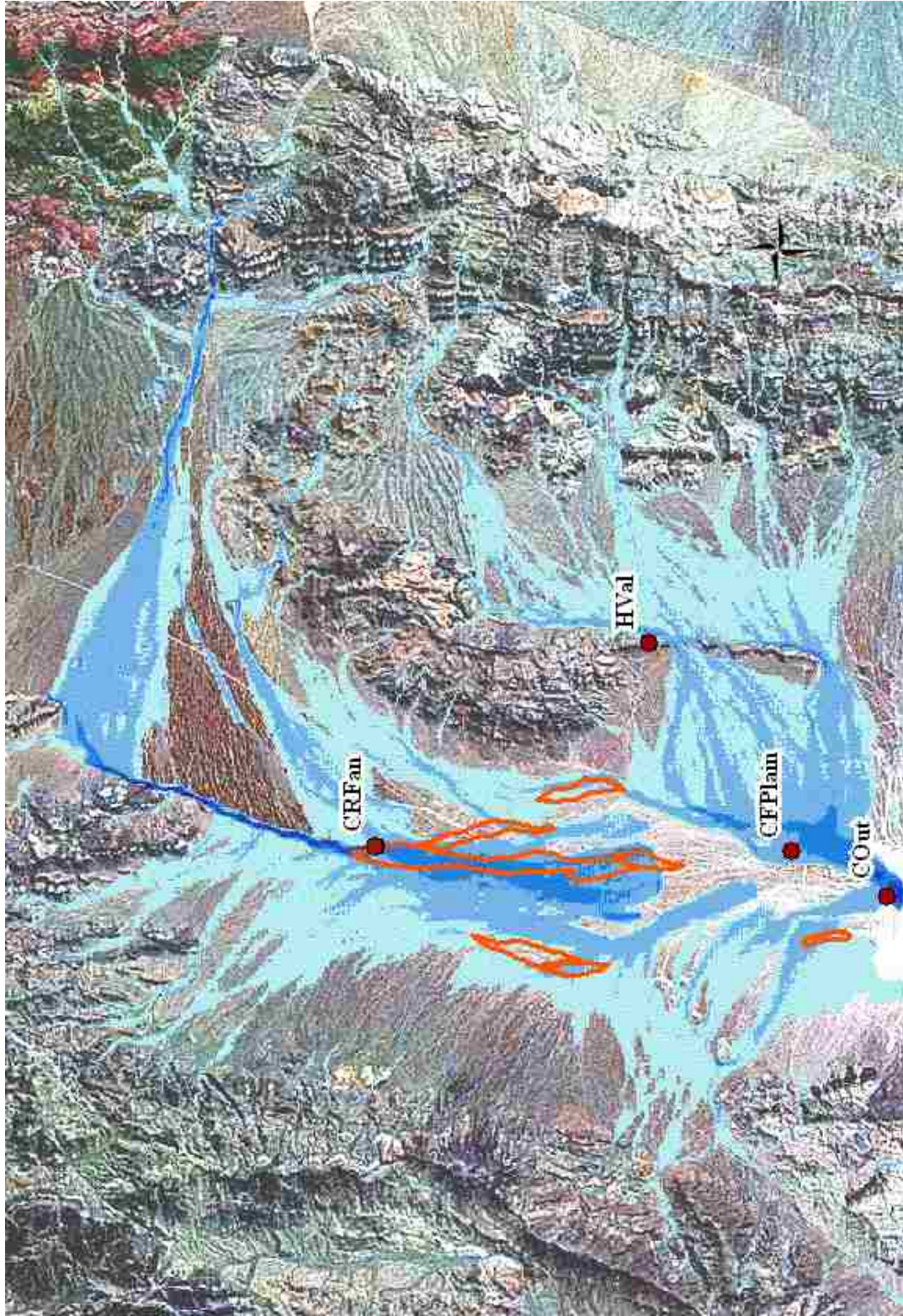
500-Year Event 1-Day Dry Time Floodwave Progression 8.5 Hours





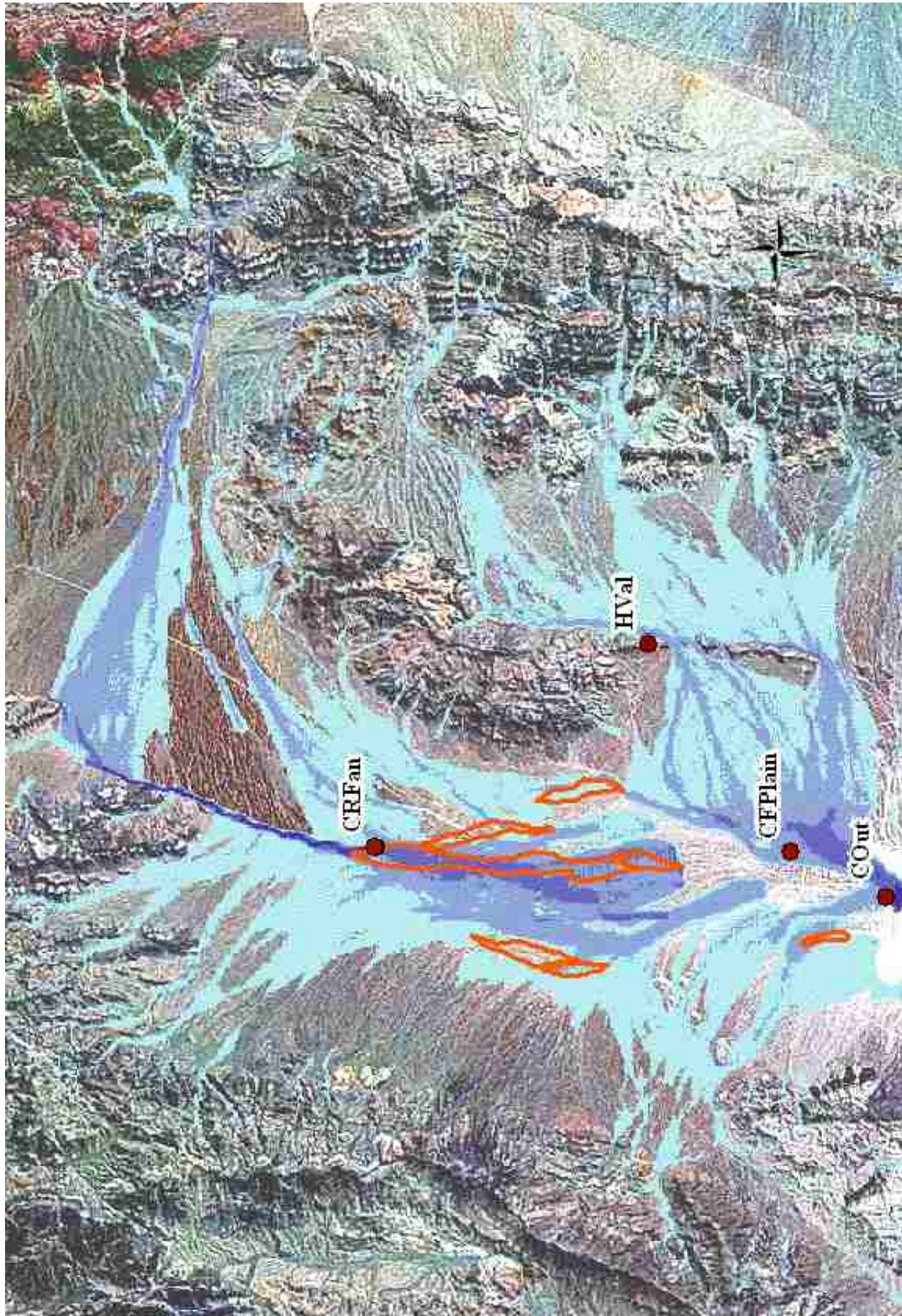
500-Year Event 1-Day Dry Time Floodwave Progression 9.0 Hours





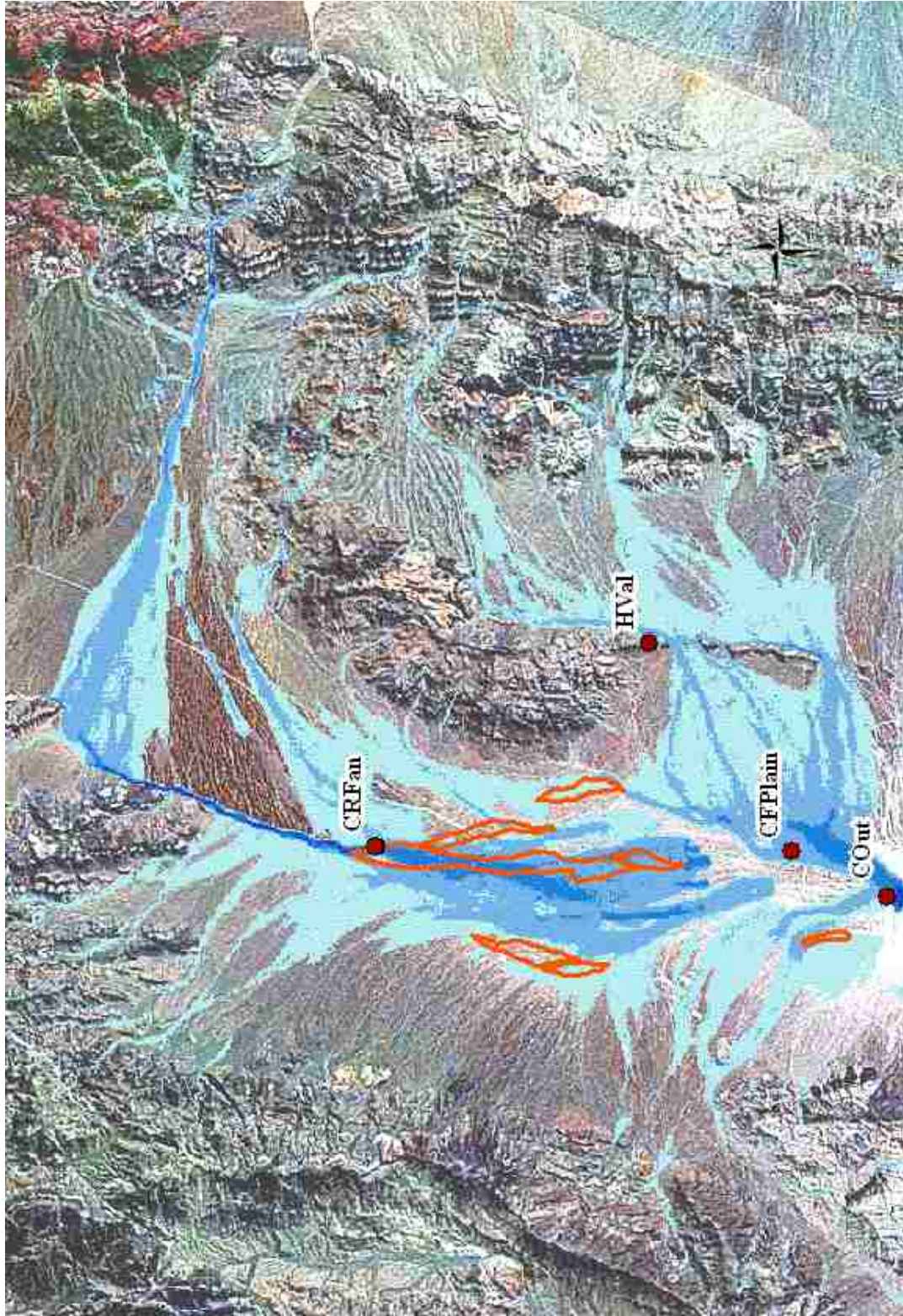
500-Year Event 1-Day Dry Time Floodwave Progression 9.5 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 10.0 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 10.5 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 11.0 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 11.5 Hours





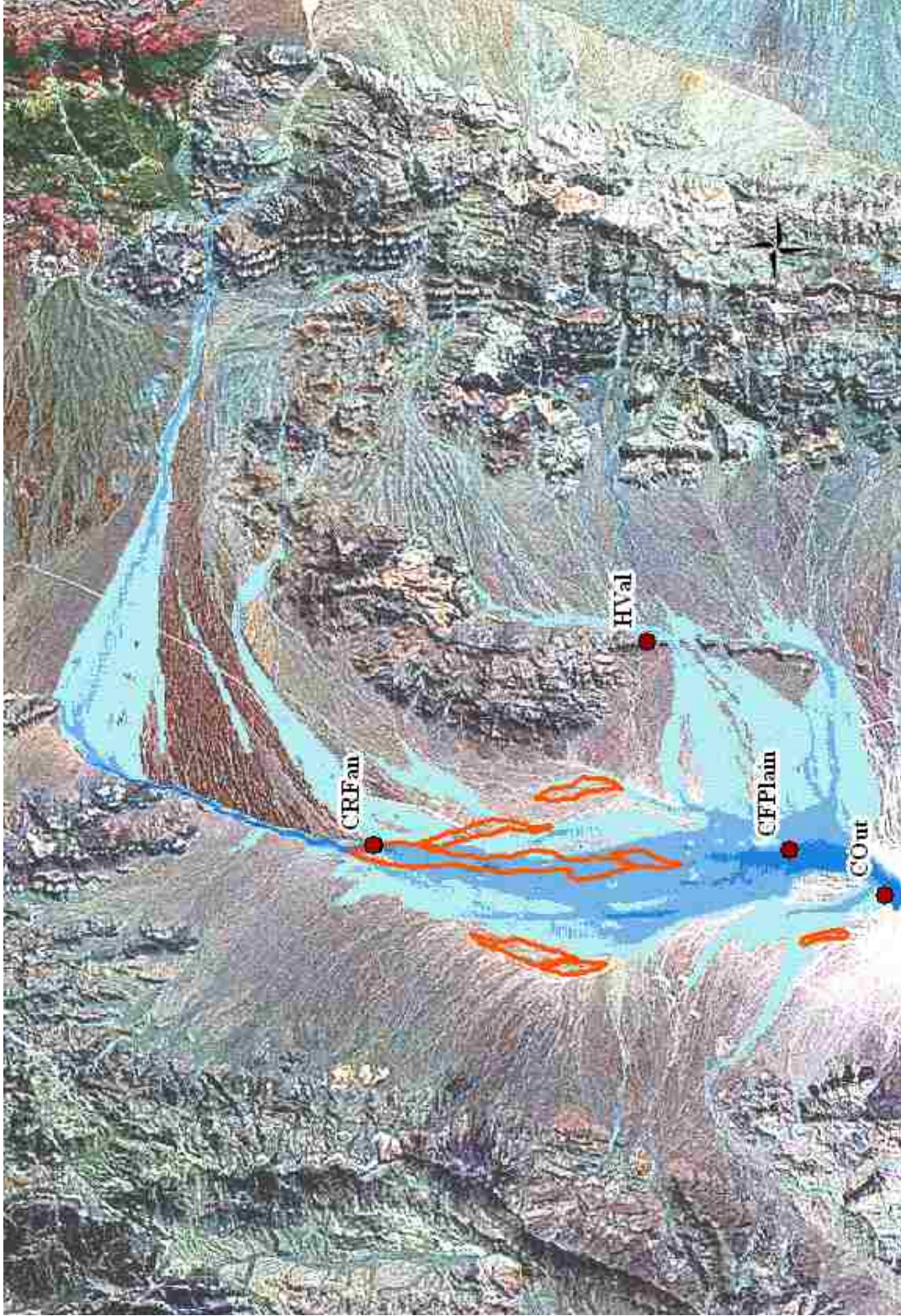
500-Year Event 1-Day Dry Time Floodwave Progression 12.0 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 12.5 Hours





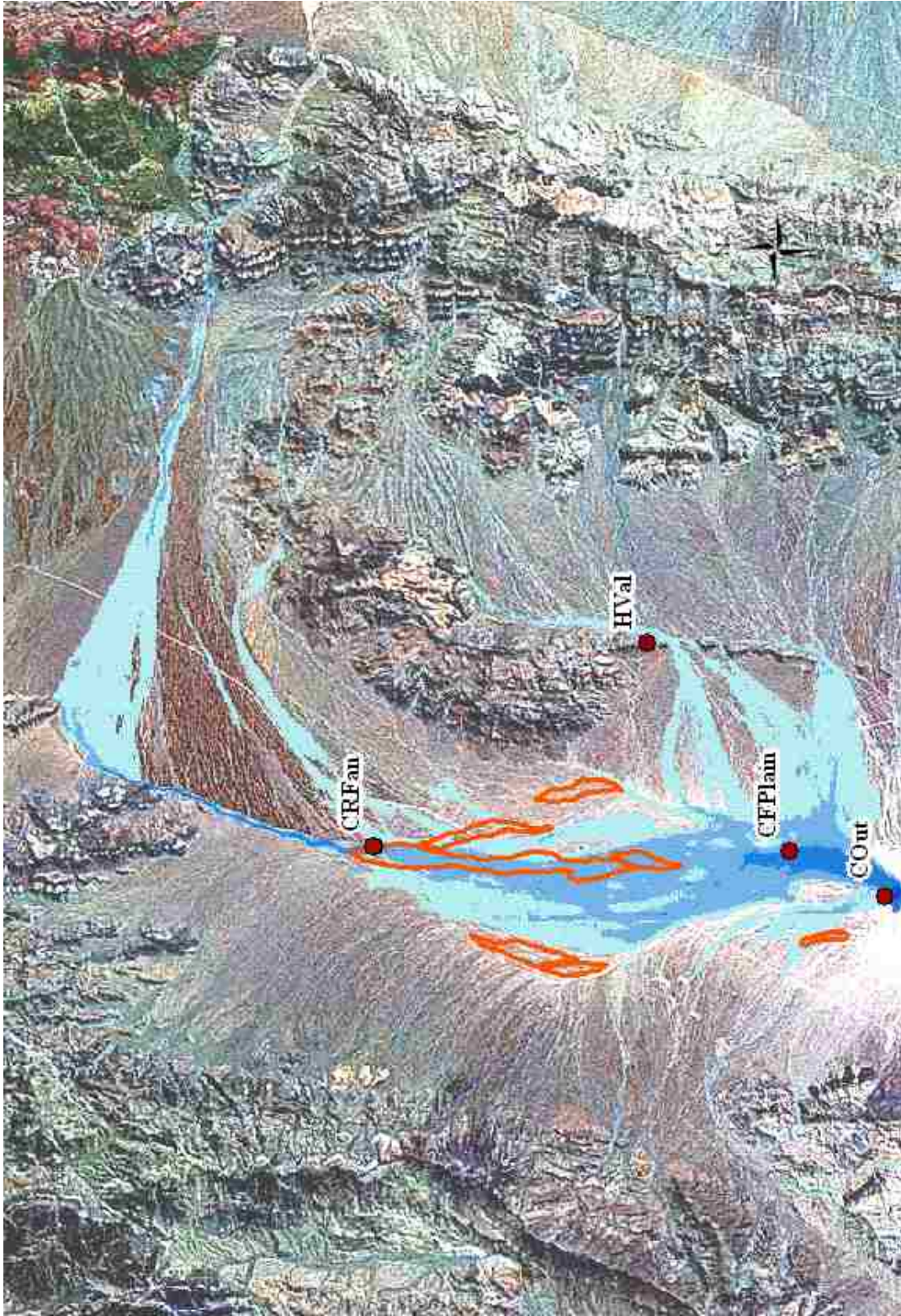
500-Year Event 1-Day Dry Time Floodwave Progression 13.0 Hours





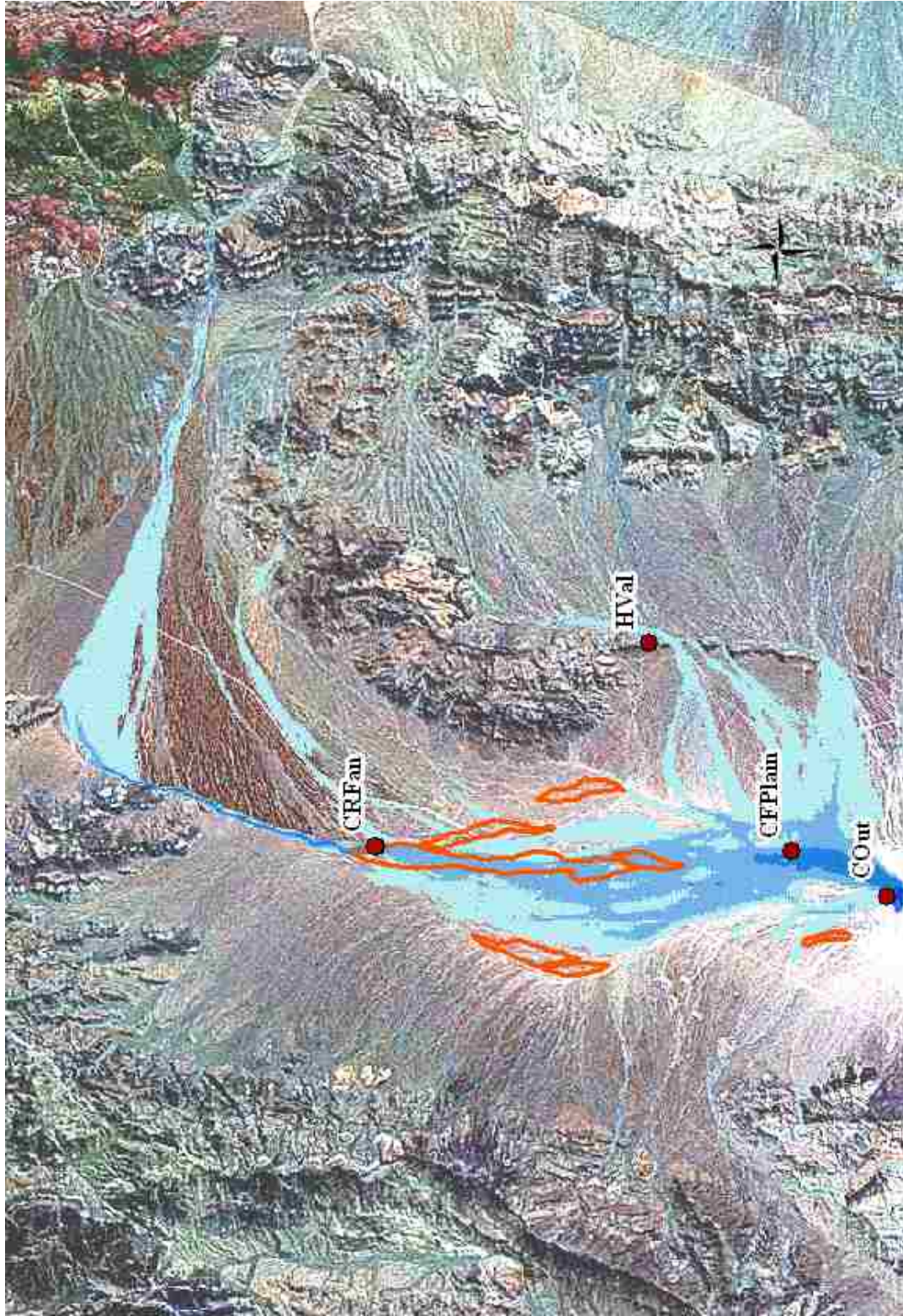
500-Year Event 1-Day Dry Time Floodwave Progression 13.5 Hours





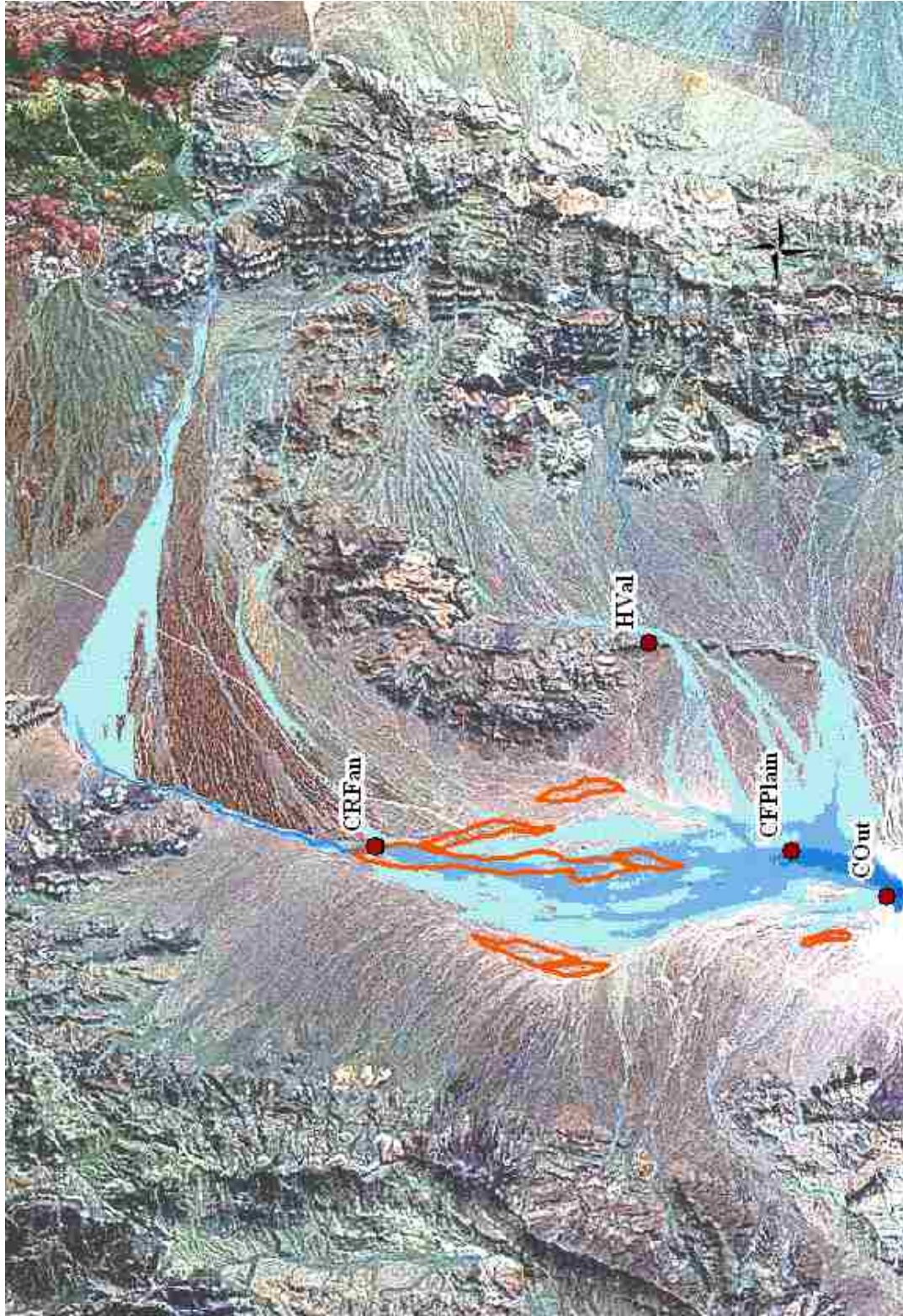
500-Year Event 1-Day Dry Time Floodwave Progression 14.0 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 14.5 Hours





500-Year Event 1-Day Dry Time Floodwave Progression 15.0 Hours

APPENDIX 2  
CALCULATIONS

## Qf2 Rosetta Output

| Code | Theta_r | Theta_s | log Alpha | log Npar | Lpar    | log Ks | Ks<br>(cm/day) | adj Ks<br>(cm/day) | adj Ks<br>(cm/hr) |
|------|---------|---------|-----------|----------|---------|--------|----------------|--------------------|-------------------|
| 1    | 0.0411  | 0.4024  | -1.7022   | 0.1614   | -0.6018 | 1.8043 |                |                    |                   |
| 2    | 0.0501  | 0.3909  | -1.5731   | 0.1588   | -0.9858 | 1.5435 |                |                    |                   |
| 3    | 0.0479  | 0.3843  | -1.7508   | 0.1602   | -0.6772 | 1.4138 |                |                    |                   |
| 4    | 0.0471  | 0.4076  | -1.9387   | 0.1779   | -0.1646 | 1.6740 |                |                    |                   |
| 5    | 0.0580  | 0.4236  | -1.9156   | 0.1742   | -0.2795 | 1.5104 |                |                    |                   |
| 6    | 0.0432  | 0.3730  | -1.4405   | 0.1745   | -1.0844 | 1.6693 |                |                    |                   |
| 7    | 0.0380  | 0.3614  | -1.8211   | 0.1647   | -0.5100 | 1.4846 |                |                    |                   |
| 8    | 0.0343  | 0.3662  | -1.4351   | 0.1615   | -1.0903 | 1.7296 |                |                    |                   |
| 9    | 0.0401  | 0.3755  | -1.4212   | 0.1762   | -1.0618 | 1.7414 |                |                    |                   |
| 10   | 0.0468  | 0.3804  | -1.4752   | 0.1806   | -1.0257 | 1.6901 |                |                    |                   |
| 11   | 0.0413  | 0.3689  | -1.3811   | 0.2562   | -0.9184 | 2.0230 |                |                    |                   |
| 12   | 0.0479  | 0.3843  | -1.7508   | 0.1602   | -0.6772 | 1.4138 |                |                    |                   |
| 13   | 0.0449  | 0.3858  | -1.4299   | 0.2092   | -0.9513 | 1.8913 |                |                    |                   |
| 14   | 0.0432  | 0.3676  | -1.3964   | 0.2453   | -0.9430 | 1.9648 |                |                    |                   |
| 15   | 0.0355  | 0.3743  | -1.3832   | 0.1897   | -1.0072 | 1.8827 |                |                    |                   |
| 16   | 0.0409  | 0.3767  | -1.5054   | 0.1592   | -1.0388 | 1.6217 |                |                    |                   |
| 17   | 0.0408  | 0.3861  | -1.3986   | 0.1979   | -0.9795 | 1.9087 |                |                    |                   |
| 18   | 0.0505  | 0.3939  | -1.8624   | 0.1710   | -0.4266 | 1.4263 |                |                    |                   |
| 19   | 0.0342  | 0.3708  | -1.6436   | 0.1581   | -0.7677 | 1.7283 |                |                    |                   |
| 20   | 0.0374  | 0.3911  | -1.4109   | 0.1855   | -0.9591 | 1.9500 |                |                    |                   |
| 21   | 0.0517  | 0.4010  | -1.6404   | 0.1598   | -0.8477 | 1.5530 |                |                    |                   |
| 22   | 0.0434  | 0.3898  | -1.6051   | 0.1610   | -0.8498 | 1.6454 |                |                    |                   |
| 23   | 0.0433  | 0.3906  | -1.5187   | 0.1667   | -0.9537 | 1.7125 |                |                    |                   |
| 24   | 0.0421  | 0.3886  | -1.5601   | 0.1619   | -0.9094 | 1.6827 |                |                    |                   |

## Qf2 Rosetta Output

| Code    | Theta_r | Theta_s | log Alpha |        | log Npar | Lpar    | log Ks | Ks<br>(cm/day) | adj Ks<br>(cm/day) | adj Ks<br>(cm/hr) |       |
|---------|---------|---------|-----------|--------|----------|---------|--------|----------------|--------------------|-------------------|-------|
| 25      | 0.0355  | 0.4029  | -1.5189   |        | 0.1616   | -0.8539 | 1.9949 |                |                    |                   |       |
| 26      | 0.0361  | 0.3948  | -1.6047   |        | 0.1629   | -0.7405 | 1.9009 |                |                    |                   |       |
| 27      | 0.0355  | 0.4169  | -1.5726   |        | 0.1573   | -0.7341 | 2.0957 |                |                    |                   |       |
| 28      | 0.0408  | 0.3947  | -1.5360   |        | 0.1687   | -0.8761 | 1.7959 |                |                    |                   |       |
| 29      | 0.0370  | 0.3848  | -1.3662   |        | 0.2139   | -0.9371 | 2.0289 |                |                    |                   |       |
| 30      | 0.0392  | 0.3811  | -1.5058   |        | 0.1632   | -0.9810 | 1.7119 |                |                    |                   |       |
| 31      | 0.0437  | 0.3946  | -1.4257   |        | 0.2230   | -0.8863 | 2.0061 |                |                    |                   |       |
| 32      | 0.0421  | 0.3886  | -1.5601   |        | 0.1619   | -0.9094 | 1.6827 |                |                    |                   |       |
| 33      | 0.0371  | 0.3988  | -1.4443   |        | 0.1756   | -0.9275 | 1.9726 |                |                    |                   |       |
| 34      | 0.0455  | 0.3956  | -1.5093   |        | 0.1684   | -0.9647 | 1.7295 |                |                    |                   |       |
| 35      | 0.0437  | 0.3943  | -1.3890   |        | 0.3075   | -0.8393 | 2.3187 |                |                    |                   |       |
| 36      | 0.0369  | 0.3960  | -1.6023   |        | 0.1591   | -0.7685 | 1.8782 |                |                    |                   |       |
| 37      | 0.0400  | 0.3830  | -1.5088   |        | 0.1630   | -0.9798 | 1.7074 |                |                    |                   |       |
| 38      | 0.0416  | 0.3914  | -1.5875   |        | 0.1620   | -0.8478 | 1.7119 |                |                    |                   |       |
| 39      | 0.0433  | 0.3906  | -1.5187   |        | 0.1667   | -0.9537 | 1.7125 |                |                    |                   |       |
| 40      | 0.0411  | 0.4024  | -1.7022   |        | 0.1614   | -0.6018 | 1.8043 |                |                    |                   |       |
| 41      | 0.0471  | 0.4076  | -1.9387   |        | 0.1779   | -0.1646 | 1.6740 |                |                    |                   |       |
| 42      | 0.0426  | 0.4134  | -1.6343   |        | 0.1611   | -0.6956 | 1.8713 |                |                    |                   |       |
| 43      | 0.0387  | 0.4132  | -1.3924   |        | 0.1969   | -0.8879 | 2.1375 |                |                    |                   |       |
| 44      | 0.0603  | 0.3747  | -2.0409   |        | 0.1783   | -0.3000 | 0.8787 |                |                    |                   |       |
| 45      | 0.0698  | 0.4007  | -2.1002   |        | 0.1869   | -0.1877 | 0.9129 |                |                    |                   |       |
| 46      | 0.0353  | 0.3970  | -1.4721   |        | 0.1642   | -0.9318 | 1.9677 |                |                    |                   |       |
| Average | 0.043   | 0.390   | -1.58     | 0.0260 | 0.18     | 1.508   | -0.797 | 1.743          | 55.284             | 41.656            | 1.736 |



Qf3 Rosetta Output

| Code | Theta_r | Theta_s | log Alpha | log Npar | Lpar    | log Ks  | Ks<br>(cm/day) | adj Ks<br>(cm/day) | adj Ks<br>(cm/hr) |
|------|---------|---------|-----------|----------|---------|---------|----------------|--------------------|-------------------|
| 1    | 0.04247 | 0.40645 | -1.4966   | 0.17345  | -0.8888 | 1.89159 |                |                    |                   |
| 2    | 0.03935 | 0.41127 | -1.5651   | 0.16186  | -0.7848 | 1.94995 |                |                    |                   |
| 3    | 0.03941 | 0.36702 | -1.4125   | 0.17246  | -1.1097 | 1.68005 |                |                    |                   |
| 4    | 0.0439  | 0.40624 | -1.5332   | 0.16898  | -0.8688 | 1.83187 |                |                    |                   |
| 5    | 0.03728 | 0.35687 | -1.4414   | 0.15388  | -1.1939 | 1.54429 |                |                    |                   |
| 6    | 0.03804 | 0.35851 | -1.4456   | 0.15363  | -1.1933 | 1.5389  |                |                    |                   |
| 7    | 0.03827 | 0.36965 | -1.4574   | 0.16266  | -1.0832 | 1.65345 |                |                    |                   |
| 8    | 0.03965 | 0.36762 | -1.5242   | 0.15468  | -1.0556 | 1.54389 |                |                    |                   |
| 9    | 0.03577 | 0.34935 | -1.4093   | 0.15387  | -1.2445 | 1.53277 |                |                    |                   |
| 10   | 0.041   | 0.38486 | -1.4389   | 0.17966  | -1.0024 | 1.8004  |                |                    |                   |
| 11   | 0.04327 | 0.36917 | -1.4602   | 0.159    | -1.1582 | 1.55639 |                |                    |                   |
| 12   | 0.03915 | 0.35731 | -1.5395   | 0.14771  | -1.1106 | 1.43135 |                |                    |                   |
| 13   | 0.04001 | 0.34327 | -1.5907   | 0.13457  | -1.2025 | 1.20283 |                |                    |                   |
| 14   | 0.03797 | 0.35046 | -1.4271   | 0.14783  | -1.2917 | 1.46507 |                |                    |                   |
| 15   | 0.04741 | 0.41045 | -1.7428   | 0.16582  | -0.5492 | 1.70957 |                |                    |                   |
| 16   | 0.04882 | 0.37527 | -1.5852   | 0.14746  | -1.0839 | 1.37138 |                |                    |                   |
| 17   | 0.04484 | 0.44548 | -1.5563   | 0.16309  | -0.7193 | 2.09213 |                |                    |                   |
| 18   | 0.03895 | 0.41675 | -1.373    | 0.22196  | -0.844  | 2.24318 |                |                    |                   |
| 19   | 0.04203 | 0.37888 | -1.3875   | 0.265    | -0.8865 | 2.10088 |                |                    |                   |
| 20   | 0.03817 | 0.34895 | -1.3666   | 0.16338  | -1.2592 | 1.57052 |                |                    |                   |
| 21   | 0.03574 | 0.34137 | -1.7183   | 0.15015  | -0.8082 | 1.33284 |                |                    |                   |
| 22   | 0.04512 | 0.42176 | -1.608    | 0.16101  | -0.736  | 1.88716 |                |                    |                   |

## Qf3 Rosetta Output

| Code    | Theta_r | Theta_s | log Alpha | log Npar | Lpar    | log Ks  | Ks       | adj Ks   | adj Ks  |        |      |
|---------|---------|---------|-----------|----------|---------|---------|----------|----------|---------|--------|------|
|         |         |         |           |          |         |         | (cm/day) | (cm/day) | (cm/hr) |        |      |
| 23      | 0.0344  | 0.393   | -1.5199   | 0.15987  | -0.8862 | 1.94102 |          |          |         |        |      |
| 24      | 0.04275 | 0.40668 | -1.4793   | 0.17738  | -0.8994 | 1.90992 |          |          |         |        |      |
| 25      | 0.03785 | 0.40536 | -1.7545   | 0.16302  | -0.4464 | 1.93727 |          |          |         |        |      |
| 26      | 0.04512 | 0.42176 | -1.608    | 0.16101  | -0.736  | 1.88716 |          |          |         |        |      |
| 27      | 0.04099 | 0.42642 | -1.6601   | 0.15895  | -0.5867 | 2.01626 |          |          |         |        |      |
| 28      | 0.0439  | 0.40624 | -1.5332   | 0.16898  | -0.8688 | 1.83187 |          |          |         |        |      |
| 29      | 0.04247 | 0.40645 | -1.4966   | 0.17345  | -0.8888 | 1.89159 |          |          |         |        |      |
| 30      | 0.03861 | 0.41571 | -1.818    | 0.16631  | -0.2738 | 2.01452 |          |          |         |        |      |
| 31      | 0.04165 | 0.39778 | -1.404    | 0.21984  | -0.889  | 2.05306 |          |          |         |        |      |
| 32      | 0.04388 | 0.41983 | -1.5655   | 0.16439  | -0.7858 | 1.91903 |          |          |         |        |      |
| 33      | 0.03935 | 0.41127 | -1.5651   | 0.16186  | -0.7848 | 1.94995 |          |          |         |        |      |
| 34      | 0.03895 | 0.41675 | -1.373    | 0.22196  | -0.844  | 2.24318 |          |          |         |        |      |
| 35      | 0.04523 | 0.41221 | -1.3991   | 0.31314  | -0.8068 | 2.41861 |          |          |         |        |      |
| 36      | 0.04484 | 0.44548 | -1.5563   | 0.16309  | -0.7193 | 2.09213 |          |          |         |        |      |
| 37      | 0.0386  | 0.42282 | -1.3735   | 0.21294  | -0.8408 | 2.26067 |          |          |         |        |      |
| 38      | 0.04692 | 0.42194 | -1.4014   | 0.36695  | -0.8029 | 2.6175  |          |          |         |        |      |
| 39      | 0.06171 | 0.34634 | -2.0183   | 0.15156  | -0.5561 | 0.41985 |          |          |         |        |      |
| 40      | 0.05561 | 0.3394  | -1.9871   | 0.15183  | -0.5697 | 0.55699 |          |          |         |        |      |
| 41      | 0.05625 | 0.3402  | -1.9676   | 0.1481   | -0.6243 | 0.53526 |          |          |         |        |      |
| 42      | 0.05521 | 0.39953 | -2.1889   | 0.20842  | 0.14151 | 1.44127 |          |          |         |        |      |
| 43      | 0.05968 | 0.36668 | -2.0958   | 0.18278  | -0.2323 | 0.82538 |          |          |         |        |      |
| 44      | 0.06768 | 0.36703 | -1.941    | 0.1417   | -0.7171 | 0.48159 |          |          |         |        |      |
| 45      | 0.04448 | 0.33606 | -1.7795   | 0.13837  | -0.9043 | 0.90409 |          |          |         |        |      |
| Average | 0.044   | 0.389   | -1.586    | 0.026    | 0.177   | 1.504   | -0.835   | 1.686    | 48.505  | 32.736 | 1.36 |

## Qf4 Rosetta Output

| Code    | Theta_r | Theta_s | Log Alpha | Log Npar |         | Lpar    | Log Ks   | Ks       | adj Ks  | adj Ks |       |
|---------|---------|---------|-----------|----------|---------|---------|----------|----------|---------|--------|-------|
|         |         |         |           |          |         |         | (cm/day) | (cm/day) | (cm/hr) |        |       |
| 1       | 0.04004 | 0.43882 | -1.8211   |          | 0.16402 | -0.1833 | 2.16061  |          |         |        |       |
| 2       | 0.03336 | 0.3462  | -1.4304   |          | 0.14567 | -1.2677 | 1.53051  |          |         |        |       |
| 3       | 0.03867 | 0.39983 | -1.6437   |          | 0.16243 | -0.6844 | 1.86164  |          |         |        |       |
| 4       | 0.03608 | 0.38145 | -1.7128   |          | 0.16169 | -0.6099 | 1.76938  |          |         |        |       |
| 5       | 0.03399 | 0.32711 | -1.2914   |          | 0.16555 | -1.3348 | 1.54608  |          |         |        |       |
| 6       | 0.03635 | 0.34698 | -1.3236   |          | 0.20079 | -1.1054 | 1.76699  |          |         |        |       |
| 7       | 0.03504 | 0.34883 | -1.3918   |          | 0.15294 | -1.2704 | 1.55285  |          |         |        |       |
| 8       | 0.03941 | 0.35728 | -1.3638   |          | 0.22684 | -0.9981 | 1.87416  |          |         |        |       |
| 9       | 0.03291 | 0.33976 | -1.4184   |          | 0.14112 | -1.3454 | 1.4755   |          |         |        |       |
| 10      | 0.0343  | 0.33474 | -1.5291   |          | 0.13522 | -1.2631 | 1.32305  |          |         |        |       |
| 11      | 0.04845 | 0.30915 | -1.7939   |          | 0.11085 | -1.3789 | 0.34221  |          |         |        |       |
| 12      | 0.04012 | 0.40648 | -1.4932   |          | 0.17104 | -0.8808 | 1.93392  |          |         |        |       |
| 13      | 0.03241 | 0.28774 | -1.2239   |          | 0.11778 | -2.1532 | 1.1176   |          |         |        |       |
| Average | 0.037   | 0.361   | -1.518    | 0.030    | 0.162   | 1.450   | -1.113   | 1.595    | 39.332  | 23.599 | 0.983 |

## Qf5 Rosetta Output

| Code | Theta_r  | Theta_s  | Log Alpha | Log Npar | Lpar     | Log Ks   | Ks       | adj Ks   | adj Ks  |
|------|----------|----------|-----------|----------|----------|----------|----------|----------|---------|
|      |          |          |           |          |          |          | (cm/day) | (cm/day) | (cm/hr) |
| 1    | 0.038813 | 0.305188 | -1.3291   | 0.099927 | -2.60342 | 0.971153 |          |          |         |
| 2    | 0.036231 | 0.362215 | -1.35034  | 0.206358 | -1.02383 | 1.862585 |          |          |         |
| 3    | 0.036821 | 0.343237 | -1.43764  | 0.137182 | -1.39445 | 1.378487 |          |          |         |
| 4    | 0.0341   | 0.304112 | -1.28161  | 0.108763 | -2.31988 | 1.104471 |          |          |         |
| 5    | 0.038727 | 0.372624 | -1.3972   | 0.193343 | -1.01435 | 1.819682 |          |          |         |
| 6    | 0.040658 | 0.371216 | -1.47467  | 0.159396 | -1.09935 | 1.598212 |          |          |         |
| 7    | 0.038084 | 0.380133 | -1.55182  | 0.157649 | -0.93267 | 1.700695 |          |          |         |
| 8    | 0.037608 | 0.370206 | -1.35333  | 0.236919 | -0.93931 | 2.006941 |          |          |         |
| 9    | 0.03537  | 0.341054 | -1.32297  | 0.170975 | -1.25063 | 1.617272 |          |          |         |
| 10   | 0.029872 | 0.297456 | -1.21846  | 0.120405 | -2.05737 | 1.243219 |          |          |         |
| 11   | 0.048683 | 0.382467 | -1.45818  | 0.508214 | -0.88483 | 2.790775 |          |          |         |
| 12   | 0.03312  | 0.325166 | -1.29049  | 0.155067 | -1.41594 | 1.496542 |          |          |         |
| 13   | 0.030169 | 0.311152 | -1.26489  | 0.127063 | -1.82311 | 1.341873 |          |          |         |
| 14   | 0.045592 | 0.360647 | -1.81433  | 0.158728 | -0.63954 | 1.193871 |          |          |         |
| 15   | 0.04116  | 0.375999 | -1.55281  | 0.15487  | -0.99702 | 1.572397 |          |          |         |
| 16   | 0.03283  | 0.309436 | -1.43603  | 0.111042 | -1.92484 | 1.070378 |          |          |         |
| 17   | 0.040432 | 0.286698 | -1.32849  | 0.12951  | -1.83731 | 1.066292 |          |          |         |
| 18   | 0.045586 | 0.362203 | -1.41852  | 0.393464 | -0.86383 | 2.422569 |          |          |         |
| 19   | 0.04094  | 0.519858 | -1.37729  | 0.158646 | -0.86076 | 2.526451 |          |          |         |
| 20   | 0.044044 | 0.344498 | -1.42504  | 0.136339 | -1.50159 | 1.330759 |          |          |         |
| 21   | 0.050081 | 0.435785 | -1.42313  | 0.439563 | -0.80411 | 2.83704  |          |          |         |
| 22   | 0.040586 | 0.296742 | -1.37753  | 0.33321  | -0.90746 | 1.98044  |          |          |         |
| 23   | 0.031777 | 0.300914 | -1.23366  | 0.154334 | -1.50454 | 1.399593 |          |          |         |
| 24   | 0.044181 | 0.361356 | -1.40591  | 0.378514 | -0.85917 | 2.373038 |          |          |         |



Qf5 Rosetta Output

| Code    | Theta_r  | Theta_s  | Log Alpha | Log Npar | Lpar     | Log Ks   | Ks       | adj Ks   | adj Ks  |        |      |
|---------|----------|----------|-----------|----------|----------|----------|----------|----------|---------|--------|------|
|         |          |          |           |          |          |          | (cm/day) | (cm/day) | (cm/hr) |        |      |
| 25      | 0.029024 | 0.308582 | -1.35373  | 0.117953 | -1.8633  | 1.265187 |          |          |         |        |      |
| 26      | 0.038247 | 0.330468 | -1.3328   | 0.262288 | -0.9867  | 1.902279 |          |          |         |        |      |
| 27      | 0.027934 | 0.277055 | -1.1517   | 0.114061 | -2.33208 | 1.143302 |          |          |         |        |      |
| 28      | 0.035767 | 0.318688 | -1.30994  | 0.131521 | -1.72297 | 1.295883 |          |          |         |        |      |
| 29      | 0.035818 | 0.343148 | -1.31535  | 0.234026 | -1.01457 | 1.878365 |          |          |         |        |      |
| Average | 0.038    | 0.345    | -1.379    | 0.042    | 0.200    | 1.584    | -1.358   | 1.662    | 45.890  | 30.287 | 1.26 |

Qp1 Rosetta Output

| Code    | Theta_r | Theta_s | Log Alpha | Log Npar | Lpar    | Log Ks | Ks       | adj Ks   | adj Ks  |        |       |
|---------|---------|---------|-----------|----------|---------|--------|----------|----------|---------|--------|-------|
|         |         |         |           |          |         |        | (cm/day) | (cm/day) | (cm/hr) |        |       |
| 1       | 0.0406  | 0.3808  | -1.3926   | 0.1977   | -1.0002 | 1.8781 |          |          |         |        |       |
| 2       | 0.0395  | 0.3637  | -1.3773   | 0.2023   | -1.0388 | 1.8051 |          |          |         |        |       |
| 3       | 0.0463  | 0.3748  | -1.4667   | 0.1778   | -1.0622 | 1.6555 |          |          |         |        |       |
| 4       | 0.0438  | 0.4244  | -1.4337   | 0.1957   | -0.8484 | 2.1089 |          |          |         |        |       |
| 5       | 0.0409  | 0.3557  | -1.3845   | 0.1830   | -1.1403 | 1.6674 |          |          |         |        |       |
| 6       | 0.0395  | 0.3607  | -1.3882   | 0.1923   | -1.0692 | 1.7357 |          |          |         |        |       |
| 7       | 0.0489  | 0.3713  | -1.5052   | 0.1485   | -1.2212 | 1.4402 |          |          |         |        |       |
| 8       | 0.0436  | 0.3885  | -1.3892   | 0.3099   | -0.8470 | 2.2951 |          |          |         |        |       |
| 9       | 0.0422  | 0.4690  | -1.3478   | 0.2178   | -0.7688 | 2.4845 |          |          |         |        |       |
| 10      | 0.0432  | 0.3507  | -1.5284   | 0.1345   | -1.3231 | 1.2445 |          |          |         |        |       |
| 11      | 0.0457  | 0.3540  | -1.4940   | 0.1313   | -1.4388 | 1.2634 |          |          |         |        |       |
| Average | 0.043   | 0.381   | -1.428    | 0.037    | 0.190   | 1.549  | -1.069   | 1.780    | 60.237  | 50.599 | 2.108 |

Qp2 Rosetta Output

| Code    | Theta_r | Theta_s | Log Alpha | Log Npar | Lpar   | Log Ks | Ks       | adj Ks   | adj Ks  |        |       |
|---------|---------|---------|-----------|----------|--------|--------|----------|----------|---------|--------|-------|
|         |         |         |           |          |        |        | (cm/day) | (cm/day) | (cm/hr) |        |       |
| 1       | 0.041   | 0.329   | -1.363    | 0.128    | -1.728 | 1.269  |          |          |         |        |       |
| 2       | 0.049   | 0.340   | -1.471    | 0.105    | -2.109 | 1.040  |          |          |         |        |       |
| 3       | 0.039   | 0.331   | -1.352    | 0.146    | -1.485 | 1.394  |          |          |         |        |       |
| 4       | 0.048   | 0.330   | -1.462    | 0.096    | -2.498 | 0.918  |          |          |         |        |       |
| 5       | 0.041   | 0.351   | -1.380    | 0.210    | -1.061 | 1.763  |          |          |         |        |       |
| 6       | 0.040   | 0.324   | -1.346    | 0.217    | -1.119 | 1.707  |          |          |         |        |       |
| 7       | 0.048   | 0.373   | -1.452    | 0.475    | -0.882 | 2.674  |          |          |         |        |       |
| 8       | 0.040   | 0.323   | -1.339    | 0.213    | -1.133 | 1.688  |          |          |         |        |       |
| 9       | 0.039   | 0.326   | -1.334    | 0.232    | -1.067 | 1.775  |          |          |         |        |       |
| 10      | 0.042   | 0.342   | -1.370    | 0.186    | -1.187 | 1.631  |          |          |         |        |       |
| 11      | 0.037   | 0.313   | -1.304    | 0.151    | -1.509 | 1.370  |          |          |         |        |       |
| 12      | 0.040   | 0.401   | -1.408    | 0.203    | -0.901 | 2.035  |          |          |         |        |       |
| Average | 0.042   | 0.340   | -1.382    | 0.042    | 0.197  | 1.573  | -1.390   | 1.605    | 40.305  | 34.852 | 1.452 |

Qp3 Rosetta Output

| Code    | Theta_r | Theta_s | Log Alpha | Log Npar | Lpar    | Log Ks | Ks<br>(cm/day) | adj Ks<br>(cm/day) | adj Ks<br>(cm/hr) |        |       |
|---------|---------|---------|-----------|----------|---------|--------|----------------|--------------------|-------------------|--------|-------|
| 1       | 0.0461  | 0.3597  | -1.7458   | 0.1507   | -0.8114 | 1.1729 |                |                    |                   |        |       |
| 2       | 0.0483  | 0.3843  | -1.7372   | 0.1602   | -0.7058 | 1.4110 |                |                    |                   |        |       |
| 3       | 0.0370  | 0.3934  | -1.7190   | 0.1618   | -0.5598 | 1.8521 |                |                    |                   |        |       |
| 4       | 0.0360  | 0.3705  | -1.5052   | 0.1559   | -1.0276 | 1.6799 |                |                    |                   |        |       |
| 5       | 0.0360  | 0.3684  | -1.6467   | 0.1586   | -0.7884 | 1.6412 |                |                    |                   |        |       |
| 6       | 0.0443  | 0.4258  | -1.3893   | 0.2824   | -0.7865 | 2.4115 |                |                    |                   |        |       |
| 7       | 0.0411  | 0.3835  | -1.3949   | 0.2223   | -0.9288 | 1.9782 |                |                    |                   |        |       |
| 8       | 0.0421  | 0.3932  | -1.4627   | 0.1783   | -0.9591 | 1.8283 |                |                    |                   |        |       |
| 9       | 0.0442  | 0.3690  | -1.4021   | 0.2576   | -0.9247 | 2.0126 |                |                    |                   |        |       |
| 10      | 0.0451  | 0.3967  | -1.4050   | 0.3240   | -0.8273 | 2.3647 |                |                    |                   |        |       |
| 11      | 0.0380  | 0.3574  | -1.4481   | 0.1574   | -1.1648 | 1.5416 |                |                    |                   |        |       |
| 12      | 0.0337  | 0.3140  | -1.2637   | 0.1837   | -1.2633 | 1.5756 |                |                    |                   |        |       |
| 13      | 0.0401  | 0.3683  | -1.3639   | 0.2943   | -0.8793 | 2.1649 |                |                    |                   |        |       |
| 14      | 0.0354  | 0.3445  | -1.3165   | 0.2092   | -1.0777 | 1.7959 |                |                    |                   |        |       |
| 15      | 0.0489  | 0.3633  | -1.9604   | 0.1734   | -0.3619 | 1.1113 |                |                    |                   |        |       |
| 16      | 0.0412  | 0.4393  | -1.4294   | 0.1852   | -0.8136 | 2.2152 |                |                    |                   |        |       |
| Average | 0.041   | 0.377   | -1.512    | 0.031    | 0.203   | 1.597  | -0.868         | 1.797              | 62.708            | 40.886 | 1.704 |



Qf2

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 23 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 24 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 91  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

Qf3

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qf4

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qf5

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qp1

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qp2

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |



|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qp3

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

```

Qf2
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours CropHeight      Albedo LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d]      [hour]      [L]      [-]      [-]      [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```

```

Qf3
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
300 iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
      Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours CropHeight      Albedo LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d] [hour] [L]      [-]      [-] [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```

Qf4

Pcp\_File\_Version=4

\* METEOROLOGICAL PARAMETERS AND INFORMATION |||||

MeteoRecords Radiation Penman-Hargreaves

1 1 f

lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f f t f f f f

Latitude Altitude

36 115

ShortWaveRadA ShortWaveRadB

0.25 0.5

LongWaveRadA LongWaveRadB

0.9 0.1

LongWaveRadA1 LongWaveRadB1

0.34 -0.139

WindHeight TempHeight

200 200

iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum

0 0 0

Albedo

0.23

Daily values

t Rad TMax TMin RHMean Wind SunHours CropHeight Albedo LAI(SCF) rRoot

[T] [MJ/m2/d] [C] [C] [%] [km/d] [hour] [L] [-] [-] [L]

720 300 50 20 95 30 4

end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

1001

Qf5

Pcp\_File\_Version=4

\* METEOROLOGICAL PARAMETERS AND INFORMATION |||||

MeteoRecords Radiation Penman-Hargreaves

1 1 f

lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

Latitude Altitude

36 115

ShortWaveRadA ShortWaveRadB

0.25 0.5

LongWaveRadA LongWaveRadB

0.9 0.1

LongWaveRadA1 LongWaveRadB1

0.34 -0.139

WindHeight TempHeight

200 200

iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum

0 0 0

Albedo

0.23

Daily values

t Rad TMax TMin RHMean Wind SunHours CropHeight Albedo LAI(SCF) rRoot

[T] [MJ/m2/d] [C] [C] [%] [km/d] [hour] [L] [-] [-] [L]

720 300 50 20 95 30 4

end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

302

```

Qp1
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours      CropHeight      Albedo      LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d]      [hour]      [L]      [-]      [-]      [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```

303



Qp2

Pcp\_File\_Version=4

\* METEOROLOGICAL PARAMETERS AND INFORMATION |||||

MeteoRecords Radiation Penman-Hargreaves

1 1 f

lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f f t f f f f

Latitude Altitude

36 115

ShortWaveRadA ShortWaveRadB

0.25 0.5

LongWaveRadA LongWaveRadB

0.9 0.1

LongWaveRadA1 LongWaveRadB1

0.34 -0.139

WindHeight TempHeight

200 200

iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum

0 0 0

Albedo

0.23

Daily values

t Rad TMax TMin RHMean Wind SunHours CropHeight Albedo LAI(SCF) rRoot

[T] [MJ/m2/d] [C] [C] [%] [km/d] [hour] [L] [-] [-] [L]

720 300 50 20 95 30 4

end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

304

Qp3

Pcp\_File\_Version=4

\* METEOROLOGICAL PARAMETERS AND INFORMATION |||||

MeteoRecords Radiation Penman-Hargreaves

1 1 f

lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f f t f f f f

Latitude Altitude

36 115

ShortWaveRadA ShortWaveRadB

0.25 0.5

LongWaveRadA LongWaveRadB

0.9 0.1

LongWaveRadA1 LongWaveRadB1

0.34 -0.139

WindHeight TempHeight

200 200

iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum

0 0 0

Albedo

0.23

Daily values

t Rad TMax TMin RHMean Wind SunHours CropHeight Albedo LAI(SCF) rRoot

[T] [MJ/m2/d] [C] [C] [%] [km/d] [hour] [L] [-] [-] [L]

720 300 50 20 95 30 4

end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

305

Qf2

Pcp\_File\_Version=4

\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading

Welcome to HYDRUS-1D

LUnit TUnit MUnit (indicated units are obligatory for all input data)

cm

hours

mmol

lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse

t f t f f f t t t t f

lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy

f f f f f f f f f f

NMat NLayer CosAlpha

1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)

10 0.001 1

TopInf WLayer KodTop InitCond

t t -1 f

BotInf qGWL FreeD SeepF KodBot DrainF hSeep

f f t f -1 f 0

hTab1 hTabN

1e-006 10000

Model Hysteresis

0 0

thr ths Alfa n Ks l

0.04 0.39 0.03 1.51 1.76 -0.8

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL

0.0001 0.0001 0.1 1.3 0.7 3 7 10

tInit tMax

0 720

lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qf3  
Pcp\_File\_Version=4  
\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading  
Welcome to HYDRUS-1D  
LUnit TUnit MUnit (indicated units are obligatory for all input data)  
cm  
hours  
mmol  
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse  
t f t f f f t t t t f  
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy  
f f f f f f f f f f  
NMat NLayer CosAlpha  
1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)  
10 0.001 1  
TopInf WLayer KodTop InitCond  
t t -1 f  
BotInf qGWL FreeD SeepF KodBot DrainF hSeep  
f f t f -1 f 0  
hTab1 hTabN  
1e-006 10000  
Model Hysteresis  
0 0  
thr ths Alfa n Ks l  
0.044 0.389 0.026 1.504 1.36 -0.835

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL  
0.0001 0.0001 0.1 1.3 0.7 3 7 10  
tInit tMax  
0 720  
lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qf4  
 Pcp\_File\_Version=4  
 \*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*  
 Heading  
 Welcome to HYDRUS-1D  
 LUnit TUnit MUnit (indicated units are obligatory for all input data)  
 cm  
 hours  
 mmol  
 lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse  
 t f t f f f t t t t f  
 lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy  
 f f f f f f f f f f  
 NMat NLayer CosAlpha  
 1 1 1  
 \*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*  
 MaxIt TolTh TolH (maximum number of iterations and tolerances)  
 10 0.001 1  
 TopInf WLayer KodTop InitCond  
 t t -1 f  
 BotInf qGWL FreeD SeepF KodBot DrainF hSeep  
 f f t f -1 f 0  
 hTab1 hTabN  
 1e-006 10000  
 Model Hysteresis  
 0 0  
 thr ths Alfa n Ks l  
 0.032 0.286 0.03 1.45 0.98 -1.113  
 \*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*  
 dt dtMin dtMax DMul DMul2 ItMin ItMax MPL  
 0.0001 0.0001 0.1 1.3 0.7 3 7 10  
 tInit tMax  
 0 720  
 lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```



Qf5

Pcp\_File\_Version=4

\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading

Welcome to HYDRUS-1D

LUnit TUnit MUnit (indicated units are obligatory for all input data)

cm

hours

mmol

lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse

t f t f f f t t t t f

lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy

f f f f f f f f f f

NMat NLayer CosAlpha

1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)

10 0.001 1

TopInf WLayer KodTop InitCond

t t -1 f

BotInf qGWL FreeD SeepF KodBot DrainF hSeep

f f t f -1 f 0

hTab1 hTabN

1e-006 10000

Model Hysteresis

0 0

thr ths Alfa n Ks l

0.038 0.345 0.042 1.584 1.262 -1.358

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL

0.0001 0.0001 0.1 1.3 0.7 3 7 10

tInit tMax

0 720

lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
1       30      1       20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qp1  
Pcp\_File\_Version=4  
\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading  
Welcome to HYDRUS-1D  
LUnit TUnit MUnit (indicated units are obligatory for all input data)  
cm  
hours  
mmol  
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse  
t f t f f f t t t t f  
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy  
f f f f f f f f f f  
NMat NLayer CosAlpha  
1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)  
10 0.001 1  
TopInf WLayer KodTop InitCond  
t t -1 f  
BotInf qGWL FreeD SeepF KodBot DrainF hSeep  
f f t f -1 f 0  
hTab1 hTabN  
1e-006 10000  
Model Hysteresis  
0 0  
thr ths Alfa n Ks l  
0.043 0.381 0.042 1.549 2.108 -1.069

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL  
0.0001 0.0001 0.1 1.3 0.7 3 7 10  
tInit tMax  
0 720  
lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qp2

Pcp\_File\_Version=4

\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading

Welcome to HYDRUS-1D

LUnit TUnit MUnit (indicated units are obligatory for all input data)

cm

hours

mmol

lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse

t f t f f f t t t t f

lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy

f f f f f f f f f f

NMat NLayer CosAlpha

1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)

10 0.001 1

TopInf WLayer KodTop InitCond

t t -1 f

BotInf qGWL FreeD SeepF KodBot DrainF hSeep

f f t f -1 f 0

hTab1 hTabN

1e-006 10000

Model Hysteresis

0 0

thr ths Alfa n Ks l

0.042 0.34 0.042 1.573 1.452 -1.39

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL

0.0001 0.0001 0.1 1.3 0.7 3 7 10

tInit tMax

0 720

lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qp3

Pcp\_File\_Version=4

\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading

Welcome to HYDRUS-1D

LUnit TUnit MUnit (indicated units are obligatory for all input data)

cm

hours

mmol

lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse

t f t f f f t t t t f

lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy

f f f f f f f f f f

NMat NLayer CosAlpha

1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)

10 0.001 1

TopInf WLayer KodTop InitCond

t t -1 f

BotInf qGWL FreeD SeepF KodBot DrainF hSeep

f f t f -1 f 0

hTab1 hTabN

1e-006 10000

Model Hysteresis

0 0

thr ths Alfa n Ks l

0.041 0.377 0.031 1.597 1.7 -0.868

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL

0.0001 0.0001 0.1 1.3 0.7 3 7 10

tInit tMax

0 720

lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```



Qf2

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

Qf3

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |



|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qf4

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qf5

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*



Qp1

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qp2

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |



|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

Qp3

Pcp\_File\_Version=4

\*\*\* BLOCK I: ATMOSPHERIC INFORMATION \*\*\*\*\*

MaxAL (MaxAL = number of atmospheric data-records)

720

DailyVar SinusVar lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f t f f f f

hCritS (max. allowed pressure head at the soil surface)

0

| tAtm | Prec | rSoil | rRoot | hCritA | rB | hB | ht | tTop  | tBot | Ampl | RootDepth |
|------|------|-------|-------|--------|----|----|----|-------|------|------|-----------|
| 1    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 2    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 3    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 26.72 | 20   | 23.3 |           |
| 4    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 5    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 6    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 7    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 8    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.28 | 20   | 23.3 |           |
| 9    | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25    | 20   | 23.3 |           |
| 10   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 11   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 12   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.11 | 20   | 23.3 |           |
| 13   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 21.72 | 20   | 23.3 |           |
| 14   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 15   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 23.89 | 20   | 23.3 |           |
| 16   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 25.61 | 20   | 23.3 |           |
| 17   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 24.39 | 20   | 23.3 |           |
| 18   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 19   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 20   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 21   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 22   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |
| 23   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.78 | 20   | 23.3 |           |
| 24   | 0    | 0.034 | 0     | 5000   | 0  | 0  | 0  | 22.22 | 20   | 23.3 |           |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 25 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 26 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 27 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 28 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 29 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 30 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 31 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 32 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 33 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 34 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 35 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 36 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 37 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 38 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 39 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 40 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 41 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 42 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 43 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 44 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 45 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 46 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 47 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 48 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 49 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 50 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 51 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 52 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 53 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 54 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 55 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 56 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 57 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 58 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |

|    |   |       |   |      |   |   |   |       |    |      |
|----|---|-------|---|------|---|---|---|-------|----|------|
| 59 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 60 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 61 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 62 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 63 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 64 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 65 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 66 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 67 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 68 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 69 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 70 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 71 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 72 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 73 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 74 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 75 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 76 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 77 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 78 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 79 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 80 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 81 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 82 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 83 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 84 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 85 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 86 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 87 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 88 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 89 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 90 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 91 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 92 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 93  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 94  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 95  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 96  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 97  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 98  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 99  | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 100 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 101 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 102 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 103 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 104 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 105 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 106 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 107 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 108 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 109 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 110 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 111 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 112 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 113 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 114 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 115 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 116 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 117 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 118 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 119 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 120 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 121 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 122 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 123 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 124 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 125 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 126 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 127 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 128 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 129 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 130 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 131 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 132 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 133 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 134 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 135 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 136 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 137 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 138 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 139 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 140 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 141 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 142 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 143 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 144 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 145 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 146 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 147 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 148 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 149 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 150 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 151 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 152 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 153 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 154 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 155 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 156 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 157 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 158 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 159 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 160 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 161 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 162 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 163 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 164 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 165 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 166 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 167 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 168 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 169 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 170 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 171 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 172 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 173 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 174 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 15.61 | 20 | 23.3 |
| 175 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 176 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 177 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 178 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 179 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 180 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 181 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 182 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 183 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 184 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 185 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 186 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 187 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 188 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 189 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 190 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 191 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 192 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 193 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 194 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 195 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 196 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 197 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 198 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 16.72 | 20 | 23.3 |
| 199 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 200 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 201 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 202 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 203 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 204 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 205 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 206 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 207 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 208 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 209 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 210 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 211 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 212 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 213 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 214 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 215 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 216 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 217 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 218 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 219 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 220 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 221 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 222 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 223 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 224 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 225 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 226 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 227 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 228 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 229 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 230 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 231 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 232 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 233 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 234 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 235 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 236 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 237 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 238 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 239 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 240 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 241 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 242 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 243 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 244 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 245 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 246 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 247 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 248 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 249 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 250 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 251 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 252 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 253 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 254 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 255 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 256 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 257 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 258 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 259 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 260 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 261 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 262 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 263 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 264 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 265 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 266 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 267 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 268 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 269 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 270 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 271 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 272 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 273 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 274 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 275 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 276 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 277 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 278 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 279 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 280 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 281 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 282 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 283 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 284 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 285 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 286 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 287 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 288 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 289 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 290 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 291 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 292 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 293 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 294 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 295 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 296 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 297 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 298 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 299 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 300 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 301 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 302 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 303 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 304 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 305 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 306 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 307 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 308 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 309 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 310 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 311 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 312 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 313 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 314 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 315 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 316 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 317 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 318 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 319 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 320 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 321 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 322 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 323 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 324 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 325 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 326 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 327 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 328 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 329 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 330 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 331 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 332 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 333 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 334 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 335 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 336 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 337 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 338 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 339 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 340 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 341 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 342 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 343 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 344 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 345 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 346 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 347 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 348 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 349 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 350 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 351 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 352 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 353 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 354 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 355 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 356 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 357 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 358 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 359 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 360 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 361 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 362 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 363 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 364 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 365 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 366 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 367 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 368 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 369 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 370 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 371 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 372 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 373 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 374 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 375 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 376 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 377 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 378 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 379 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 380 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 381 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 382 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 383 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 384 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 385 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 386 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 387 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 388 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 389 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 390 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 391 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 392 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 393 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 394 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 395 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 396 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 397 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 398 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 399 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 400 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 401 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 402 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 403 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 404 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 405 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 406 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 407 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 408 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 409 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 410 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 411 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 412 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 413 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 414 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 415 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 416 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 417 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 418 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 419 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 420 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 421 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 422 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 423 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 424 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 425 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 426 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 427 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 428 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 429 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 430 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 431 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 432 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 433 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 434 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 435 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 436 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 437 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 438 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 439 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 440 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 441 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 442 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 443 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 444 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 445 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 446 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 447 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 448 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 449 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 450 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 451 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 452 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 453 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 454 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 455 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 456 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 457 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 458 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 459 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 460 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 461 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 462 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 463 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 464 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 465 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 466 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 467 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 468 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 469 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 470 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 471 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 472 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 473 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 474 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 475 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 476 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 477 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 478 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 479 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 480 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 481 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 482 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 483 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 484 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.78 | 20 | 23.3 |
| 485 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 486 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 17.22 | 20 | 23.3 |
| 487 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.28 | 20 | 23.3 |
| 488 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 489 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 490 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 491 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 492 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 493 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 494 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 495 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 496 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 497 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 498 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 499 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 500 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 501 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 502 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 503 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 504 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 505 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 506 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 507 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 508 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 19.39 | 20 | 23.3 |
| 509 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 510 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 511 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 512 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 513 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 514 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 515 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 516 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 517 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 518 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 519 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 520 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 521 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.89 | 20 | 23.3 |
| 522 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 523 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 524 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 525 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 526 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 527 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 528 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 529 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 530 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 531 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 532 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20.61 | 20 | 23.3 |
| 533 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 534 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 535 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 536 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 537 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 538 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 539 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 540 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 541 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 542 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 543 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 544 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 545 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 546 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 547 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 548 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 549 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 550 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 551 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 552 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 553 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 554 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 555 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 556 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 557 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 558 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 18.89 | 20 | 23.3 |
| 559 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 20    | 20 | 23.3 |
| 560 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 561 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 562 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 563 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 564 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 565 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 566 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 567 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 568 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 569 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 38.28 | 20 | 23.3 |
| 570 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 571 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 572 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 573 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 574 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 575 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 576 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 577 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 578 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 579 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 580 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 581 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 582 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 583 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 584 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 585 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 586 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 587 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 588 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 589 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 590 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 591 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 592 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 593 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 594 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 595 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 596 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 597 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 598 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 599 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 600 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 601 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 602 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 603 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 604 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 605 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 606 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 607 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 608 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 609 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 610 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 611 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 612 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 613 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 614 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 615 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 616 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 617 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 618 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 619 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 620 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 621 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 622 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 623 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 624 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 625 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 626 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 627 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 628 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 629 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 630 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 631 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 632 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 633 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 634 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 635 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 636 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 637 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 638 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 639 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 640 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 641 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 642 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 643 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 644 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 645 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 646 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 647 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.72 | 20 | 23.3 |
| 648 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 649 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 650 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.22 | 20 | 23.3 |
| 651 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.28 | 20 | 23.3 |
| 652 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 653 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.11 | 20 | 23.3 |
| 654 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 655 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 656 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 657 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |
| 658 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 659 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 660 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 661 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 662 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 663 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 664 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 665 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35.61 | 20 | 23.3 |
| 666 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 667 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 668 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 669 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 670 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |



|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 671 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 672 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 673 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 29.39 | 20 | 23.3 |
| 674 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 675 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 676 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 677 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 678 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 21.72 | 20 | 23.3 |
| 679 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 22.78 | 20 | 23.3 |
| 680 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 681 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 682 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 683 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 684 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 35    | 20 | 23.3 |
| 685 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.72 | 20 | 23.3 |
| 686 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 687 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 688 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.78 | 20 | 23.3 |
| 689 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 690 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 37.22 | 20 | 23.3 |
| 691 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 36.11 | 20 | 23.3 |
| 692 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 34.39 | 20 | 23.3 |
| 693 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 694 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 695 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.11 | 20 | 23.3 |
| 696 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 697 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 26.11 | 20 | 23.3 |
| 698 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 699 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 700 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25.61 | 20 | 23.3 |
| 701 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 24.39 | 20 | 23.3 |
| 702 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 23.89 | 20 | 23.3 |
| 703 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 25    | 20 | 23.3 |
| 704 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

|     |   |       |   |      |   |   |   |       |    |      |
|-----|---|-------|---|------|---|---|---|-------|----|------|
| 705 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30.61 | 20 | 23.3 |
| 706 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.78 | 20 | 23.3 |
| 707 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 708 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.28 | 20 | 23.3 |
| 709 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 33.89 | 20 | 23.3 |
| 710 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 711 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 712 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 713 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 714 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 32.22 | 20 | 23.3 |
| 715 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 31.72 | 20 | 23.3 |
| 716 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 30    | 20 | 23.3 |
| 717 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.89 | 20 | 23.3 |
| 718 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 28.28 | 20 | 23.3 |
| 719 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.78 | 20 | 23.3 |
| 720 | 0 | 0.034 | 0 | 5000 | 0 | 0 | 0 | 27.22 | 20 | 23.3 |

end\*\*\* END OF INPUT FILE 'ATMOSPH.IN' \*\*\*\*\*

4/4

```

Qf2
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours CropHeight      Albedo LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d] [hour] [L]      [-]      [-] [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```

475 Qf3  
Pcp\_File\_Version=4  
\* METEOROLOGICAL PARAMETERS AND INFORMATION |||||  
MeteoRecords Radiation Penman-Hargreaves  
1 1 f  
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy  
f f f f f t f f f f  
Latitude Altitude  
36 115  
ShortWaveRadA ShortWaveRadB  
0.25 0.5  
LongWaveRadA LongWaveRadB  
0.9 0.1  
LongWaveRadA1 LongWaveRadB1  
0.34 -0.139  
WindHeight TempHeight  
200 200  
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum  
0 0 0  
Albedo  
0.23  
Daily values  
t Rad TMax TMin RHMean Wind SunHours CropHeight Albedo LAI(SCF) rRoot  
[T] [MJ/m2/d] [C] [C] [%] [km/d] [hour] [L] [-] [-] [L]  
720 300 50 20 95 30 4  
end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

Qf4  
 Pcp\_File\_Version=4  
 \* METEOROLOGICAL PARAMETERS AND INFORMATION |||||  
 MeteoRecords Radiation Penman-Hargreaves  
     1    1    f  
 lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy  
     f    f    f    f    f    t    f    f    f    f  
 Latitude Altitude  
     36    115  
 ShortWaveRadA ShortWaveRadB  
     0.25    0.5  
 LongWaveRadA LongWaveRadB  
     0.9    0.1  
 LongWaveRadA1 LongWaveRadB1  
     0.34    -0.139  
 WindHeight TempHeight  
     200    200  
 iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum  
     0                    0    0  
 Albedo  
     0.23  
 Daily values  
     t    Rad    TMax    TMin    RHMean    Wind    SunHours CropHeight    Albedo LAI(SCF)    rRoot  
     [T] [MJ/m2/d] [C]    [C]    [%]    [km/d] [hour] [L]    [-] [-] [L]  
     720    300    50    20    95    30    4  
 end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

Qf5

Pcp\_File\_Version=4

\* METEOROLOGICAL PARAMETERS AND INFORMATION |||||

MeteoRecords Radiation Penman-Hargreaves

1 1 f

lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy

f f f f f t f f f f

Latitude Altitude

36 115

ShortWaveRadA ShortWaveRadB

0.25 0.5

LongWaveRadA LongWaveRadB

0.9 0.1

LongWaveRadA1 LongWaveRadB1

0.34 -0.139

WindHeight TempHeight

200 200

iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum

0 0 0

Albedo

0.23

Daily values

t Rad TMax TMin RHMean Wind SunHours CropHeight Albedo LAI(SCF) rRoot

[T] [MJ/m2/d] [C] [C] [%] [km/d] [hour] [L] [-] [-] [L]

720 300 50 20 95 30 4

end \*\*\* END OF INPUT FILE 'METEO.IN' \*\*\*\*\*

```

Qp1
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours CropHeight      Albedo      LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d] [hour] [L]      [-]      [-]      [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```

```

479 Qp2
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours CropHeight      Albedo      LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d] [hour] [L]      [-]      [-] [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```



```

480 Qp3
Pcp_File_Version=4
* METEOROLOGICAL PARAMETERS AND INFORMATION |||||
MeteoRecords Radiation Penman-Hargreaves
      1      1      f
lEnBal lDaily lDummy lDummy lDummy lDummy lDummy lDummy lDummy lDummy
      f      f      f      f      t      f      f      f      f
Latitude Altitude
      36      115
ShortWaveRadA ShortWaveRadB
      0.25      0.5
LongWaveRadA LongWaveRadB
      0.9      0.1
LongWaveRadA1 LongWaveRadB1
      0.34      -0.139
WindHeight TempHeight
      200      200
iCrop (=0: no crop, =1: constant, =2: table, =3: daily) SunShine RelativeHum
      0                      0      0
Albedo
      0.23
Daily values
      t      Rad      TMax      TMin      RHMean      Wind      SunHours CropHeight      Albedo LAI(SCF)      rRoot
      [T] [MJ/m2/d] [C]      [C]      [%]      [km/d] [hour] [L]      [-]      [-]      [L]
      720      300      50      20      95      30      4
end *** END OF INPUT FILE 'METEO.IN' *****

```

Qf2  
Pcp\_File\_Version=4  
\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading  
Welcome to HYDRUS-1D  
LUnit TUnit MUnit (indicated units are obligatory for all input data)  
cm  
hours  
mmol  
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse  
t f t f f f t t t t f  
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy  
f f f f f f f f f f  
NMat NLayer CosAlpha  
1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)  
10 0.001 1  
TopInf WLayer KodTop InitCond  
t t -1 f  
BotInf qGWL FreeD SeepF KodBot DrainF hSeep  
f f t f -1 f 0  
hTab1 hTabN  
1e-006 10000  
Model Hysteresis  
0 0  
thr ths Alfa n Ks l  
0.04 0.39 0.03 1.51 1.76 -0.8

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL  
0.0001 0.0001 0.1 1.3 0.7 3 7 10  
tInit tMax  
0 720  
lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qf3

Pcp\_File\_Version=4

\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading

Welcome to HYDRUS-1D

LUnit TUnit MUnit (indicated units are obligatory for all input data)

cm

hours

mmol

IWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse

t f t f f f t t t t f

lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy

f f f f f f f f f f

NMat NLayer CosAlpha

1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)

10 0.001 1

TopInf WLayer KodTop InitCond

t t -1 f

BotInf qGWL FreeD SeepF KodBot DrainF hSeep

f f t f -1 f 0

hTab1 hTabN

1e-006 10000

Model Hysteresis

0 0

thr ths Alfa n Ks l

0.044 0.389 0.026 1.504 1.36 -0.835

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL

0.0001 0.0001 0.1 1.3 0.7 3 7 10

tInit tMax

0 720

lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qf4  
Pcp\_File\_Version=4  
\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading  
Welcome to HYDRUS-1D  
LUnit TUnit MUnit (indicated units are obligatory for all input data)  
cm  
hours  
mmol  
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse  
t f t f f f t t t t f  
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy  
f f f f f f f f f f  
NMat NLayer CosAlpha  
1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)  
10 0.001 1  
TopInf WLayer KodTop InitCond  
t t -1 f  
BotInf qGWL FreeD SeepF KodBot DrainF hSeep  
f f t f -1 f 0  
hTab1 hTabN  
1e-006 10000  
Model Hysteresis  
0 0  
thr ths Alfa n Ks l  
0.032 0.286 0.03 1.45 0.98 -1.113

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL  
0.0001 0.0001 0.1 1.3 0.7 3 7 10  
tInit tMax  
0 720  
lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qf5

Pcp\_File\_Version=4

\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading

Welcome to HYDRUS-1D

LUnit TUnit MUnit (indicated units are obligatory for all input data)

cm

hours

mmol

lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse

t f t f f f t t t t f

lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy

f f f f f f f f f f

NMat NLayer CosAlpha

1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)

10 0.001 1

TopInf WLayer KodTop InitCond

t t -1 f

BotInf qGWL FreeD SeepF KodBot DrainF hSeep

f f t f -1 f 0

hTab1 hTabN

1e-006 10000

Model Hysteresis

0 0

thr ths Alfa n Ks l

0.038 0.345 0.042 1.584 1.262 -1.358

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL

0.0001 0.0001 0.1 1.3 0.7 3 7 10

tInit tMax

0 720

lPrintD nPrintSteps tPrintInterval lEnter



```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

```

Qp1
Pcp_File_Version=4
*** BLOCK A: BASIC INFORMATION ****
Heading
Welcome to HYDRUS-1D
LUnit TUnit MUnit (indicated units are obligatory for all input data)
cm
hours
mmol
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse
t f t f f f t t t t f
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy
f f f f f f f f f f
NMat NLayer CosAlpha
1 1 1
*** BLOCK B: WATER FLOW INFORMATION ****
MaxIt TolTh TolH (maximum number of iterations and tolerances)
10 0.001 1
TopInf WLayer KodTop InitCond
t t -1 f
BotInf qGWL FreeD SeepF KodBot DrainF hSeep
f f t f -1 f 0
hTab1 hTabN
1e-006 10000
Model Hysteresis
0 0
thr ths Alfa n Ks l
0.043 0.381 0.042 1.549 2.108 -1.069
*** BLOCK C: TIME INFORMATION ****
dt dtMin dtMax DMul DMul2 ItMin ItMax MPL
0.0001 0.0001 0.1 1.3 0.7 3 7 10
tInit tMax
0 720
lPrintD nPrintSteps tPrintInterval lEnter

```

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION ****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' ****

```

Qp2  
Pcp\_File\_Version=4  
\*\*\* BLOCK A: BASIC INFORMATION \*\*\*\*\*

Heading  
Welcome to HYDRUS-1D  
LUnit TUnit MUnit (indicated units are obligatory for all input data)  
cm  
hours  
mmol  
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse  
t f t f f f t t t t f  
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy  
f f f f f f f f f f  
NMat NLayer CosAlpha  
1 1 1

\*\*\* BLOCK B: WATER FLOW INFORMATION \*\*\*\*\*

MaxIt TolTh TolH (maximum number of iterations and tolerances)  
10 0.001 1  
TopInf WLayer KodTop InitCond  
t t -1 f  
BotInf qGWL FreeD SeepF KodBot DrainF hSeep  
f f t f -1 f 0  
hTab1 hTabN  
1e-006 10000  
Model Hysteresis  
0 0  
thr ths Alfa n Ks l  
0.042 0.34 0.042 1.573 1.452 -1.39

\*\*\* BLOCK C: TIME INFORMATION \*\*\*\*\*

dt dtMin dtMax DMul DMul2 ItMin ItMax MPL  
0.0001 0.0001 0.1 1.3 0.7 3 7 10  
tInit tMax  
0 720  
lPrintD nPrintSteps tPrintInterval lEnter

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0   5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

```

Qp3
Pcp_File_Version=4
*** BLOCK A: BASIC INFORMATION ****
Heading
Welcome to HYDRUS-1D
LUnit TUnit MUnit (indicated units are obligatory for all input data)
cm
hours
mmol
lWat lChem lTemp lSink lRoot lShort lWDep lScreen lVariabBC lEquil lInverse
t f t f f f t t t t f
lSnow lHP1 lMeteo lVapor lDummy lFluxes lDummy lDummy lDummy lDummy
f f f f f f f f f f
NMat NLayer CosAlpha
1 1 1
*** BLOCK B: WATER FLOW INFORMATION ****
MaxIt TolTh TolH (maximum number of iterations and tolerances)
10 0.001 1
TopInf WLayer KodTop InitCond
t t -1 f
BotInf qGWL FreeD SeepF KodBot DrainF hSeep
f f t f -1 f 0
hTab1 hTabN
1e-006 10000
Model Hysteresis
0 0
thr ths Alfa n Ks l
0.041 0.377 0.031 1.597 1.7 -0.868
*** BLOCK C: TIME INFORMATION ****
dt dtMin dtMax DMul DMul2 ItMin ItMax MPL
0.0001 0.0001 0.1 1.3 0.7 3 7 10
tInit tMax
0 720
lPrintD nPrintSteps tPrintInterval lEnter

```

```

t      1      24      t
TPrint(1),TPrint(2),...,TPrint(MPL)
      72      144      216      288      360      432
      504      576      648      720
*** BLOCK E: HEAT TRANSPORT INFORMATION *****
Qn  Qo  Disper.  B1      B2      B3      Cn      Co      Cw
0.62  0    5 1.13374e+012 1.83358e+012 7.15703e+012 2.48832e+011 3.25296e+011 5.41728e+011
tAmpl  tPeriod  Campbell  MeltConst lDummy lDummy lDummy lDummy lDummy
23.3    24      0    0.43    f    f    f    f    f
kTopT   TTop    kBotT   TBot
      1      30      1      20
*** END OF INPUT FILE 'SELECTOR.IN' *****

```

Qf2

Fitted van Genuchten curve:

|       |                                     |        |              |          |              | A         | B         | C         | D        | E                | $k(\psi)/k_{sr}$ | $\psi_f$ | $\psi_f$ | $\psi_f$ |
|-------|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|----------|----------|
|       | $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | Ave.             | Step     | Sum      | Sum      |
|       | [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Step             |          | [cm]     | [in]     |
|       | 0.3900                              | 0.1    | 0            | 1.000    | 0.00260      | 0.9514    | 0.99997   | 0.9051    | 1        | 0.905            | 0.8072           | 0        | 0        | 0        |
|       | 0.3895                              | 1      | 0.9          | 0.999    | 0.02600      | 0.8434    | 0.99888   | 0.7097    | 1.0006   | 0.7093           | 0.6544           | 0.5889   | 0.5889   | 0.2319   |
|       | 0.3887                              | 2      | 1            | 0.996    | 0.05200      | 0.7773    | 0.99683   | 0.6004    | 1.0016   | 0.5994           | 0.5597           | 0.5597   | 1.1486   | 0.4522   |
|       | 0.3875                              | 3      | 1            | 0.993    | 0.07800      | 0.7264    | 0.99420   | 0.5215    | 1.0029   | 0.52             | 0.4618           | 0.4618   | 1.6105   | 0.634    |
|       | 0.3848                              | 5      | 2            | 0.985    | 0.13000      | 0.6453    | 0.98766   | 0.4062    | 1.0062   | 0.4037           | 0.3612           | 0.7225   | 2.3329   | 0.9185   |
|       | 0.3815                              | 7      | 2            | 0.975    | 0.18200      | 0.5792    | 0.97988   | 0.3221    | 1.0102   | 0.3188           | 0.2722           | 0.5444   | 2.8774   | 1.1328   |
|       | 0.3759                              | 10     | 3            | 0.959    | 0.26000      | 0.4956    | 0.96663   | 0.2295    | 1.0171   | 0.2256           | 0.1751           | 0.5252   | 3.4026   | 1.3396   |
|       | 0.3656                              | 15     | 5            | 0.930    | 0.39000      | 0.3802    | 0.94213   | 0.1283    | 1.0303   | 0.1245           | 0.0944           | 0.4719   | 3.8744   | 1.5254   |
|       | 0.3549                              | 20     | 5            | 0.899    | 0.52000      | 0.2827    | 0.91641   | 0.0671    | 1.0446   | 0.0642           | 0.0466           | 0.2329   | 4.1073   | 1.6171   |
|       | 0.3442                              | 25     | 5            | 0.868    | 0.65000      | 0.1965    | 0.89074   | 0.0307    | 1.0596   | 0.0289           | 0.0194           | 0.0968   | 4.2042   | 1.6552   |
|       | 0.3380                              | 28     | 3            | 0.850    | 0.72800      | 0.1489    | 0.87567   | 0.017     | 1.0686   | 0.0159           | 0.0092           | 0.0275   | 4.2317   | 1.666    |
|       | 0.3339                              | 30     | 5            | 0.838    | 0.78000      | 0.1186    | 0.86581   | 0.0105    | 1.0747   | 0.0098           | 0.0056           | 0.0281   | 4.2598   | 1.6771   |
|       | 0.3261                              | 34     | 4            | 0.816    | 0.88400      | 0.0607    | 0.84666   | 0.0026    | 1.0868   | 0.0024           | 0.0013           | 0.0054   | 4.2651   | 1.6792   |
|       | 0.3242                              | 35     | 1            | 0.810    | 0.91000      | 0.0468    | 0.84200   | 0.0016    | 1.0898   | 0.0014           | 0.001            | 0.001    | 4.2662   | 1.6796   |
|       | 0.3150                              | 40     | 5            | 0.784    | 1.04000      | -0.02     | 0.81944   | 0.0003    | 1.1047   | 0.0002           | 0.0021           | 0.0104   | 4.2766   | 1.6837   |
|       | 0.3132                              | 41     | 1            | 0.779    | 1.06600      | -0.033    | 0.81509   | 0.0007    | 1.1076   | 0.0007           | 0.0058           | 0.0058   | 4.2823   | 1.686    |
|       | 0.3064                              | 45     | 4            | 0.759    | 1.17000      | -0.083    | 0.79821   | 0.0044    | 1.1193   | 0.0039           | 0.0119           | 0.0478   | 4.3301   | 1.7048   |
|       | 0.2983                              | 50     | 5            | 0.736    | 1.30000      | -0.143    | 0.77826   | 0.0123    | 1.1335   | 0.0109           | 0.0185           | 0.0925   | 4.4226   | 1.7412   |
|       | 0.2938                              | 53     | 3            | 0.723    | 1.37800      | -0.177    | 0.76689   | 0.0184    | 1.1419   | 0.0161           | 0.0233           | 0.0699   | 4.4925   | 1.7687   |
|       | 0.2909                              | 55     | 2            | 0.714    | 1.43000      | -0.199    | 0.75955   | 0.0229    | 1.1474   | 0.02             | 0.0309           | 0.0618   | 4.5543   | 1.793    |
| 1-day | 0.2866                              | 58     | 3            | 0.702    | 1.50800      | -0.232    | 0.74889   | 0.0302    | 1.1556   | 0.0261           | 0.0399           | 0.1198   | 4.6741   | 1.8402   |
|       | 0.2839                              | 60     | 2            | 0.694    | 1.56000      | -0.253    | 0.74201   | 0.0354    | 1.1609   | 0.0305           | 0.0481           | 0.0963   | 4.7703   | 1.8781   |
|       | 0.2774                              | 65     | 5            | 0.675    | 1.69000      | -0.305    | 0.72555   | 0.0491    | 1.174    | 0.0418           | 0.0538           | 0.2692   | 5.0395   | 1.9841   |
|       | 0.2713                              | 70     | 5            | 0.658    | 1.82000      | -0.356    | 0.71009   | 0.0637    | 1.1867   | 0.0537           | 0.0658           | 0.3292   | 5.3688   | 2.1137   |



5-day

|        |     |   |       |         |        |         |        |        |        |        |        |        |        |
|--------|-----|---|-------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0.2656 | 75  | 5 | 0.641 | 1.95000 | -0.404 | 0.69555 | 0.0789 | 1.199  | 0.0658 | 0.0779 | 0.3897 | 5.7585 | 2.2671 |
| 0.2634 | 77  | 2 | 0.635 | 2.00200 | -0.423 | 0.68998 | 0.0851 | 1.2039 | 0.0707 | 0.0863 | 0.1727 | 5.9311 | 2.3351 |
| 0.2602 | 80  | 3 | 0.626 | 2.08000 | -0.451 | 0.68186 | 0.0944 | 1.211  | 0.078  | 0.0958 | 0.2875 | 6.2186 | 2.4483 |
| 0.2552 | 85  | 5 | 0.611 | 2.21000 | -0.496 | 0.66895 | 0.1101 | 1.2227 | 0.0901 | 0.1076 | 0.5379 | 6.7565 | 2.66   |
| 0.2505 | 90  | 5 | 0.598 | 2.34000 | -0.54  | 0.65675 | 0.1258 | 1.234  | 0.102  | 0.1158 | 0.5789 | 7.3354 | 2.8879 |
| 0.2460 | 95  | 5 | 0.585 | 2.47000 | -0.583 | 0.64521 | 0.1415 | 1.2449 | 0.1137 | 0.1227 | 0.6137 | 7.949  | 3.1295 |
| 0.2418 | 100 | 5 | 0.573 | 2.60000 | -0.625 | 0.63427 | 0.1571 | 1.2556 | 0.1251 | 0.1306 | 0.6532 | 8.6023 | 3.3867 |
| 0.2402 | 102 | 2 | 0.568 | 2.65200 | -0.641 | 0.63006 | 0.1632 | 1.2598 | 0.1296 | 0.1383 | 0.2766 | 8.8789 | 3.4956 |
| 0.2394 | 103 | 1 | 0.566 | 2.67800 | -0.649 | 0.62798 | 0.1663 | 1.2619 | 0.1318 | 0.1447 | 0.1447 | 9.0235 | 3.5526 |
| 0.2386 | 104 | 1 | 0.564 | 2.70400 | -0.658 | 0.62593 | 0.1694 | 1.264  | 0.134  | 0.1509 | 0.1509 | 9.1744 | 3.612  |
| 0.2378 | 105 | 1 | 0.561 | 2.73000 | -0.666 | 0.62390 | 0.1724 | 1.266  | 0.1362 | 0.1559 | 0.1559 | 9.3303 | 3.6734 |
| 0.2341 | 110 | 5 | 0.551 | 2.86000 | -0.705 | 0.61403 | 0.1876 | 1.2762 | 0.147  | 0.1623 | 0.8115 | 10.142 | 3.9928 |
| 0.2305 | 115 | 5 | 0.540 | 2.99000 | -0.744 | 0.60465 | 0.2026 | 1.286  | 0.1575 | 0.1723 | 0.8616 | 11.003 | 4.3321 |
| 0.2271 | 120 | 5 | 0.531 | 3.12000 | -0.783 | 0.59570 | 0.2173 | 1.2956 | 0.1677 | 0.182  | 0.9102 | 11.914 | 4.6904 |
| 0.2245 | 124 | 4 | 0.523 | 3.22400 | -0.812 | 0.58884 | 0.2289 | 1.3032 | 0.1756 | 0.1905 | 0.7619 | 12.676 | 4.9904 |
| 0.2239 | 125 | 1 | 0.521 | 3.25000 | -0.82  | 0.58717 | 0.2317 | 1.305  | 0.1776 | 0.1932 | 0.1932 | 12.869 | 5.0665 |
| 0.2208 | 130 | 5 | 0.512 | 3.38000 | -0.856 | 0.57901 | 0.2459 | 1.3142 | 0.1871 | 0.1989 | 0.9943 | 13.863 | 5.4579 |
| 0.2179 | 135 | 5 | 0.504 | 3.51000 | -0.892 | 0.57121 | 0.2598 | 1.3231 | 0.1964 | 0.2052 | 1.026  | 14.889 | 5.8619 |
| 0.2151 | 140 | 5 | 0.496 | 3.64000 | -0.928 | 0.56373 | 0.2735 | 1.3319 | 0.2053 | 0.2139 | 1.0695 | 15.959 | 6.2829 |
| 0.2140 | 142 | 2 | 0.493 | 3.69200 | -0.942 | 0.56083 | 0.2789 | 1.3353 | 0.2089 | 0.2197 | 0.4394 | 16.398 | 6.4559 |
| 0.2135 | 143 | 1 | 0.491 | 3.71800 | -0.949 | 0.55939 | 0.2816 | 1.337  | 0.2106 | 0.2245 | 0.2245 | 16.623 | 6.5443 |
| 0.2124 | 145 | 2 | 0.488 | 3.77000 | -0.962 | 0.55656 | 0.2869 | 1.3404 | 0.214  | 0.2301 | 0.4601 | 17.083 | 6.7255 |
| 0.2099 | 150 | 5 | 0.481 | 3.90000 | -0.996 | 0.54968 | 0.3    | 1.3488 | 0.2224 | 0.238  | 1.1899 | 18.273 | 7.194  |
| 0.2074 | 155 | 5 | 0.474 | 4.03000 | -1.03  | 0.54307 | 0.3129 | 1.357  | 0.2306 | 0.2456 | 1.2282 | 19.501 | 7.6775 |
| 0.2051 | 160 | 5 | 0.467 | 4.16000 | -1.063 | 0.53671 | 0.3255 | 1.365  | 0.2385 | 0.2531 | 1.2654 | 20.766 | 8.1757 |
| 0.2028 | 165 | 5 | 0.461 | 4.29000 | -1.096 | 0.53059 | 0.3379 | 1.3728 | 0.2461 | 0.2603 | 1.3014 | 22.068 | 8.688  |

|                                  |        |
|----------------------------------|--------|
| <b>alpha</b>                     | 0.026  |
| <b>n</b>                         | 1.508  |
| <b>m = 1-1/n</b>                 | 0.275  |
| <b><math>\theta_r</math></b>     | 0.043  |
| <b><math>\theta_{sat}</math></b> | 0.390  |
| <b><math>K_{sat}</math></b>      |        |
| <b>[cm/d]</b>                    | 41.656 |
| <b>fitted m</b>                  | 0.275  |
| <b>l</b>                         |        |
| <b>parameter</b>                 | -0.797 |

|                             |       |
|-----------------------------|-------|
| <b><math>K_{sat}</math></b> |       |
| <b>[in/hr]</b>              | 0.683 |
| <b><math>K_{sat}</math></b> |       |
| <b>[cm/hr]</b>              | 1.736 |

Qf3

Fitted van Genuchten curve:

|       |                                     |        |              |          |              | A         | B         | C         | D        | E                | $k(\psi)/k_{sr}$ | $\psi_f$ | $\psi_f$ | $\psi_f$ |
|-------|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|----------|----------|
|       | $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | Ave.             | Step     | Sum      | Sum      |
|       | [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Step             |          | [cm]     | [in]     |
|       | 0.3890                              | 0.1    | 0            | 1.000    | 0.00260      | 0.9502    | 0.99997   | 0.9028    | 1        | 0.9028           | 0.8043           | 0        | 0        | 0        |
|       | 0.3885                              | 1      | 0.9          | 0.999    | 0.02600      | 0.8411    | 0.99910   | 0.7062    | 1.0005   | 0.7058           | 0.6511           | 0.5859   | 0.5859   | 0.2307   |
|       | 0.3877                              | 2      | 1            | 0.996    | 0.05200      | 0.7746    | 0.99745   | 0.597     | 1.0013   | 0.5963           | 0.5569           | 0.5569   | 1.1428   | 0.4499   |
|       | 0.3865                              | 3      | 1            | 0.993    | 0.07800      | 0.7236    | 0.99534   | 0.5187    | 1.0023   | 0.5175           | 0.46             | 0.46     | 1.6028   | 0.631    |
|       | 0.3838                              | 5      | 2            | 0.985    | 0.13000      | 0.6424    | 0.99011   | 0.4045    | 1.005    | 0.4025           | 0.3607           | 0.7214   | 2.3242   | 0.915    |
|       | 0.3805                              | 7      | 2            | 0.975    | 0.18200      | 0.5763    | 0.98388   | 0.3215    | 1.0082   | 0.3189           | 0.2729           | 0.5459   | 2.8701   | 1.1299   |
|       | 0.3750                              | 10     | 3            | 0.959    | 0.26000      | 0.4928    | 0.97327   | 0.2301    | 1.0136   | 0.227            | 0.2038           | 0.6114   | 3.4815   | 1.3707   |
|       | 0.3710                              | 12     | 2            | 0.948    | 0.31200      | 0.444     | 0.96561   | 0.1838    | 1.0176   | 0.1806           | 0.1537           | 0.3074   | 3.7889   | 1.4917   |
|       | 0.3648                              | 15     | 3            | 0.930    | 0.39000      | 0.3778    | 0.95359   | 0.1298    | 1.024    | 0.1268           | 0.1068           | 0.3205   | 4.1094   | 1.6179   |
|       | 0.3584                              | 18     | 3            | 0.911    | 0.46800      | 0.318     | 0.94120   | 0.0896    | 1.0308   | 0.0869           | 0.0766           | 0.2297   | 4.3391   | 1.7083   |
|       | 0.3542                              | 20     | 2            | 0.899    | 0.52000      | 0.2808    | 0.93286   | 0.0686    | 1.0354   | 0.0663           | 0.0543           | 0.1086   | 4.4478   | 1.7511   |
|       | 0.3478                              | 23     | 3            | 0.881    | 0.59800      | 0.2283    | 0.92035   | 0.0441    | 1.0424   | 0.0423           | 0.0363           | 0.1089   | 4.5567   | 1.794    |
|       | 0.3436                              | 25     | 2            | 0.868    | 0.65000      | 0.1952    | 0.91206   | 0.0317    | 1.0471   | 0.0303           | 0.0203           | 0.0407   | 4.5973   | 1.81     |
|       | 0.3335                              | 30     | 5            | 0.839    | 0.78000      | 0.1177    | 0.89177   | 0.011     | 1.0589   | 0.0104           | 0.006            | 0.0298   | 4.6272   | 1.8217   |
|       | 0.3315                              | 31     | 1            | 0.833    | 0.80600      | 0.103     | 0.88780   | 0.0084    | 1.0613   | 0.0079           | 0.004            | 0.004    | 4.6311   | 1.8233   |
|       | 0.3238                              | 35     | 4            | 0.811    | 0.91000      | 0.0464    | 0.87227   | 0.0016    | 1.0707   | 0.0015           | 0.0009           | 0.0036   | 4.6347   | 1.8247   |
|       | 0.3183                              | 38     | 3            | 0.795    | 0.98800      | 0.0061    | 0.86101   | 3E-05     | 1.0777   | 3E-05            | 0.0022           | 0.0065   | 4.6413   | 1.8273   |
|       | 0.3148                              | 40     | 2            | 0.785    | 1.04000      | -0.02     | 0.85370   | 0.0003    | 1.0823   | 0.0003           | 0.0062           | 0.0124   | 4.6537   | 1.8322   |
|       | 0.3063                              | 45     | 5            | 0.760    | 1.17000      | -0.082    | 0.83613   | 0.0047    | 1.0936   | 0.0043           | 0.0092           | 0.046    | 4.6997   | 1.8503   |
|       | 0.2983                              | 50     | 5            | 0.737    | 1.30000      | -0.141    | 0.81954   | 0.0134    | 1.1046   | 0.0122           | 0.0174           | 0.0869   | 4.7866   | 1.8845   |
| 1-day | 0.2968                              | 51     | 1            | 0.733    | 1.32600      | -0.153    | 0.81634   | 0.0156    | 1.1068   | 0.0141           | 0.0245           | 0.0245   | 4.8111   | 1.8941   |
|       | 0.2909                              | 55     | 4            | 0.716    | 1.43000      | -0.198    | 0.80390   | 0.0252    | 1.1153   | 0.0226           | 0.0356           | 0.1422   | 4.9533   | 1.9501   |
|       | 0.2840                              | 60     | 5            | 0.696    | 1.56000      | -0.251    | 0.78916   | 0.0393    | 1.1257   | 0.0349           | 0.0489           | 0.2447   | 5.1979   | 2.0464   |
|       | 0.2776                              | 65     | 5            | 0.677    | 1.69000      | -0.303    | 0.77527   | 0.0551    | 1.1357   | 0.0485           | 0.0632           | 0.3161   | 5.514    | 2.1709   |

|       |        |     |   |       |         |        |         |        |        |        |        |        |        |        |
|-------|--------|-----|---|-------|---------|--------|---------|--------|--------|--------|--------|--------|--------|--------|
|       | 0.2716 | 70  | 5 | 0.660 | 1.82000 | -0.352 | 0.76216 | 0.0721 | 1.1455 | 0.0629 | 0.072  | 0.3598 | 5.8739 | 2.3126 |
|       | 0.2659 | 75  | 5 | 0.643 | 1.95000 | -0.4   | 0.74977 | 0.09   | 1.1549 | 0.0779 | 0.0856 | 0.4281 | 6.302  | 2.4811 |
|       | 0.2648 | 76  | 1 | 0.640 | 1.97600 | -0.41  | 0.74738 | 0.0937 | 1.1567 | 0.081  | 0.0933 | 0.0933 | 6.3953 | 2.5178 |
|       | 0.2606 | 80  | 4 | 0.628 | 2.08000 | -0.446 | 0.73807 | 0.1086 | 1.164  | 0.0933 | 0.101  | 0.4041 | 6.7994 | 2.6769 |
|       | 0.2566 | 84  | 4 | 0.616 | 2.18400 | -0.482 | 0.72915 | 0.1238 | 1.1711 | 0.1057 | 0.115  | 0.46   | 7.2594 | 2.858  |
|       | 0.2557 | 85  | 1 | 0.614 | 2.21000 | -0.491 | 0.72698 | 0.1276 | 1.1728 | 0.1088 | 0.1243 | 0.1243 | 7.3837 | 2.907  |
|       | 0.2510 | 90  | 5 | 0.600 | 2.34000 | -0.535 | 0.71646 | 0.1469 | 1.1814 | 0.1243 | 0.1398 | 0.6988 | 8.0825 | 3.1821 |
|       | 0.2466 | 95  | 5 | 0.587 | 2.47000 | -0.577 | 0.70648 | 0.1664 | 1.1897 | 0.1398 | 0.1551 | 0.7756 | 8.8581 | 3.4875 |
|       | 0.2424 | 100 | 5 | 0.575 | 2.60000 | -0.619 | 0.69698 | 0.1859 | 1.1978 | 0.1552 | 0.1703 | 0.8516 | 9.7098 | 3.8228 |
|       | 0.2385 | 105 | 5 | 0.564 | 2.73000 | -0.659 | 0.68794 | 0.2055 | 1.2057 | 0.1704 | 0.1853 | 0.9267 | 10.636 | 4.1876 |
|       | 0.2348 | 110 | 5 | 0.553 | 2.86000 | -0.698 | 0.67931 | 0.225  | 1.2133 | 0.1855 | 0.2001 | 1.0007 | 11.637 | 4.5816 |
|       | 0.2313 | 115 | 5 | 0.543 | 2.99000 | -0.737 | 0.67108 | 0.2445 | 1.2207 | 0.2003 | 0.2133 | 1.0663 | 12.703 | 5.0014 |
|       | 0.2279 | 120 | 5 | 0.533 | 3.12000 | -0.774 | 0.66321 | 0.2638 | 1.2279 | 0.2148 | 0.222  | 1.1098 | 13.813 | 5.4383 |
|       | 0.2253 | 124 | 4 | 0.526 | 3.22400 | -0.804 | 0.65715 | 0.2791 | 1.2336 | 0.2263 | 0.2305 | 0.9221 | 14.735 | 5.8014 |
|       | 0.2247 | 125 | 1 | 0.524 | 3.25000 | -0.811 | 0.65567 | 0.283  | 1.235  | 0.2291 | 0.2361 | 0.2361 | 14.972 | 5.8943 |
|       | 0.2235 | 127 | 2 | 0.520 | 3.30200 | -0.826 | 0.65274 | 0.2906 | 1.2377 | 0.2348 | 0.2459 | 0.4917 | 15.463 | 6.0879 |
|       | 0.2217 | 130 | 5 | 0.515 | 3.38000 | -0.847 | 0.64845 | 0.302  | 1.2418 | 0.2432 | 0.2568 | 1.2842 | 16.748 | 6.5935 |
|       | 0.2188 | 135 | 5 | 0.507 | 3.51000 | -0.883 | 0.64152 | 0.3208 | 1.2485 | 0.257  | 0.2704 | 1.3518 | 18.099 | 7.1257 |
|       | 0.2160 | 140 | 5 | 0.499 | 3.64000 | -0.918 | 0.63486 | 0.3395 | 1.255  | 0.2705 | 0.2836 | 1.4182 | 19.518 | 7.6841 |
| 5-day | 0.2139 | 144 | 4 | 0.492 | 3.74400 | -0.945 | 0.62972 | 0.3543 | 1.2602 | 0.2811 | 0.2941 | 1.1763 | 20.694 | 8.1472 |

**alpha** 0.026  
**n** 1.504  
**m = 1-1/n** 0.219  
 **$\theta_r$**  0.044  
 **$\theta_{sat}$**  0.389  
 **$K_{sat}$**   
**[cm/d]** 32.736  
**fitted m** 0.219

**l**  
**parameter**    -0.835

**K<sub>sat</sub>**  
**[in/hr]**        0.537

**K<sub>sat</sub>**  
**[cm/hr]**        1.364

Qf4

Fitted van Genuchten curve:

A

B

C

D

E

| $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | $k(\psi)/k_{sr}$ | $\psi_f$ | $\psi_f$ | $\psi_f$ |
|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|----------|----------|
| [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Ave.             | Step     | Sum      | Sum      |
|                                     |        |              |          |              |           |           |           |          |                  | Step             |          | [cm]     | [in]     |
| 0.361                               | 0.1    | 0.0          | 1.000    | 0.003        | 0.927     | 1.000     | 0.859     | 1.000    | 0.859            | 0.743            | 0.000    | 0.000    | 0.000    |
| 0.360                               | 1.0    | 0.9          | 0.998    | 0.030        | 0.794     | 0.999     | 0.628     | 1.001    | 0.628            | 0.569            | 0.512    | 0.512    | 0.202    |
| 0.359                               | 2.0    | 1.0          | 0.995    | 0.060        | 0.718     | 0.996     | 0.512     | 1.002    | 0.511            | 0.471            | 0.471    | 0.983    | 0.387    |
| 0.358                               | 3.0    | 1.0          | 0.991    | 0.090        | 0.662     | 0.993     | 0.432     | 1.003    | 0.431            | 0.375            | 0.375    | 1.358    | 0.535    |
| 0.355                               | 5.0    | 2.0          | 0.981    | 0.150        | 0.574     | 0.987     | 0.321     | 1.007    | 0.319            | 0.280            | 0.560    | 1.918    | 0.755    |
| 0.351                               | 7.0    | 2.0          | 0.970    | 0.210        | 0.505     | 0.979     | 0.244     | 1.011    | 0.241            | 0.201            | 0.401    | 2.319    | 0.913    |
| 0.345                               | 10.0   | 3.0          | 0.951    | 0.300        | 0.418     | 0.965     | 0.163     | 1.018    | 0.160            | 0.141            | 0.423    | 2.742    | 1.079    |
| 0.341                               | 12.0   | 2.0          | 0.938    | 0.360        | 0.369     | 0.956     | 0.124     | 1.023    | 0.121            | 0.100            | 0.200    | 2.941    | 1.158    |
| 0.335                               | 15.0   | 3.0          | 0.919    | 0.450        | 0.302     | 0.942     | 0.081     | 1.030    | 0.078            | 0.064            | 0.191    | 3.132    | 1.233    |
| 0.328                               | 18.0   | 3.0          | 0.899    | 0.540        | 0.242     | 0.928     | 0.050     | 1.038    | 0.049            | 0.041            | 0.124    | 3.256    | 1.282    |
| 0.324                               | 20.0   | 2.0          | 0.886    | 0.600        | 0.205     | 0.918     | 0.036     | 1.044    | 0.034            | 0.026            | 0.052    | 3.309    | 1.303    |
| 0.318                               | 23.0   | 3.0          | 0.867    | 0.690        | 0.154     | 0.904     | 0.019     | 1.052    | 0.018            | 0.015            | 0.044    | 3.353    | 1.320    |
| 0.314                               | 25.0   | 2.0          | 0.855    | 0.750        | 0.121     | 0.895     | 0.012     | 1.057    | 0.011            | 0.006            | 0.013    | 3.366    | 1.325    |
| 0.304                               | 30.0   | 5.0          | 0.825    | 0.900        | 0.046     | 0.873     | 0.002     | 1.070    | 0.002            | 0.001            | 0.005    | 3.370    | 1.327    |
| 0.302                               | 31.0   | 1.0          | 0.819    | 0.930        | 0.032     | 0.869     | 0.001     | 1.073    | 0.001            | 0.002            | 0.002    | 3.372    | 1.327    |
| 0.295                               | 35.0   | 4.0          | 0.797    | 1.050        | -0.022    | 0.853     | 0.000     | 1.083    | 0.000            | 0.002            | 0.010    | 3.382    | 1.331    |
| 0.290                               | 38.0   | 3.0          | 0.782    | 1.140        | -0.061    | 0.841     | 0.003     | 1.091    | 0.002            | 0.007            | 0.022    | 3.404    | 1.340    |
| 0.287                               | 40.0   | 2.0          | 0.772    | 1.200        | -0.086    | 0.833     | 0.005     | 1.096    | 0.005            | 0.014            | 0.027    | 3.432    | 1.351    |
| 0.279                               | 45.0   | 5.0          | 0.748    | 1.350        | -0.145    | 0.815     | 0.014     | 1.108    | 0.013            | 0.019            | 0.094    | 3.526    | 1.388    |
| 0.272                               | 50.0   | 5.0          | 0.726    | 1.500        | -0.200    | 0.798     | 0.026     | 1.119    | 0.023            | 0.029            | 0.144    | 3.669    | 1.445    |
| 0.271                               | 51.0   | 1.0          | 0.722    | 1.530        | -0.211    | 0.795     | 0.028     | 1.121    | 0.025            | 0.036            | 0.036    | 3.705    | 1.459    |
| 0.266                               | 55.0   | 4.0          | 0.706    | 1.650        | -0.253    | 0.783     | 0.039     | 1.130    | 0.035            | 0.048            | 0.191    | 3.896    | 1.534    |
| 0.260                               | 60.0   | 5.0          | 0.687    | 1.800        | -0.303    | 0.768     | 0.054     | 1.141    | 0.047            | 0.061            | 0.304    | 4.200    | 1.654    |
| 0.254                               | 65.0   | 5.0          | 0.670    | 1.950        | -0.351    | 0.754     | 0.070     | 1.152    | 0.061            | 0.074            | 0.372    | 4.572    | 1.800    |

1-Day

[illegible]

| Qf5   | Fitted van Genuchten curve:         |        |              |          |              | A         | B         | C         | D        | E                |                  |          |          |          |
|-------|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|----------|----------|
|       | $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\Psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | $k(\psi)/k_{sr}$ | $\psi_f$ | $\Psi_f$ | $\Psi_f$ |
|       | [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Ave. Step        | Step     | Sum [cm] | Sum [in] |
|       | 0.345                               | 0.100  | 0.000        | 1.000    | 0.004        | 0.959     | 1.000     | 0.920     | 1.000    | 0.920            | 0.814            | 0.000    | 0.000    | 0.000    |
|       | 0.344                               | 1.000  | 0.900        | 0.998    | 0.042        | 0.843     | 0.998     | 0.708     | 1.001    | 0.707            | 0.642            | 0.578    | 0.578    | 0.228    |
|       | 0.343                               | 2.000  | 1.000        | 0.993    | 0.084        | 0.765     | 0.995     | 0.578     | 1.003    | 0.577            | 0.528            | 0.528    | 1.106    | 0.436    |
|       | 0.341                               | 3.000  | 1.000        | 0.986    | 0.126        | 0.702     | 0.990     | 0.483     | 1.005    | 0.480            | 0.409            | 0.409    | 1.516    | 0.597    |
|       | 0.336                               | 5.000  | 2.000        | 0.971    | 0.210        | 0.598     | 0.978     | 0.342     | 1.011    | 0.338            | 0.288            | 0.576    | 2.092    | 0.824    |
|       | 0.330                               | 7.000  | 2.000        | 0.952    | 0.294        | 0.511     | 0.964     | 0.242     | 1.019    | 0.238            | 0.187            | 0.373    | 2.465    | 0.970    |
|       | 0.320                               | 10.000 | 3.000        | 0.920    | 0.420        | 0.397     | 0.940     | 0.140     | 1.031    | 0.135            | 0.112            | 0.337    | 2.801    | 1.103    |
|       | 0.314                               | 12.000 | 2.000        | 0.898    | 0.504        | 0.330     | 0.923     | 0.093     | 1.041    | 0.089            | 0.066            | 0.132    | 2.933    | 1.155    |
|       | 0.304                               | 15.000 | 3.000        | 0.865    | 0.630        | 0.236     | 0.898     | 0.045     | 1.055    | 0.043            | 0.029            | 0.088    | 3.021    | 1.190    |
|       | 0.294                               | 18.000 | 3.000        | 0.833    | 0.756        | 0.151     | 0.873     | 0.017     | 1.071    | 0.016            | 0.011            | 0.034    | 3.055    | 1.203    |
|       | 0.287                               | 20.000 | 2.000        | 0.812    | 0.840        | 0.097     | 0.856     | 0.007     | 1.081    | 0.006            | 0.003            | 0.006    | 3.062    | 1.205    |
|       | 0.275                               | 24.000 | 4.000        | 0.773    | 1.008        | -0.005    | 0.825     | 0.000     | 1.101    | 0.000            | 0.000            | 0.001    | 3.063    | 1.206    |
|       | 0.272                               | 25.000 | 1.000        | 0.763    | 1.050        | -0.029    | 0.818     | 0.001     | 1.106    | 0.001            | 0.006            | 0.006    | 3.069    | 1.208    |
|       | 0.259                               | 30.000 | 5.000        | 0.720    | 1.260        | -0.145    | 0.782     | 0.013     | 1.131    | 0.011            | 0.021            | 0.106    | 3.174    | 1.250    |
|       | 0.247                               | 35.000 | 5.000        | 0.680    | 1.470        | -0.252    | 0.751     | 0.036     | 1.154    | 0.031            | 0.033            | 0.167    | 3.341    | 1.315    |
| 1-day | 0.245                               | 36.000 | 1.000        | 0.673    | 1.512        | -0.273    | 0.745     | 0.041     | 1.159    | 0.036            | 0.046            | 0.046    | 3.387    | 1.333    |
|       | 0.236                               | 40.000 | 4.000        | 0.646    | 1.680        | -0.354    | 0.722     | 0.065     | 1.177    | 0.055            | 0.061            | 0.243    | 3.629    | 1.429    |
|       | 0.232                               | 42.000 | 2.000        | 0.633    | 1.764        | -0.393    | 0.711     | 0.078     | 1.186    | 0.066            | 0.074            | 0.148    | 3.777    | 1.487    |
|       | 0.227                               | 45.000 | 3.000        | 0.615    | 1.890        | -0.450    | 0.696     | 0.098     | 1.199    | 0.082            | 0.095            | 0.286    | 4.064    | 1.600    |
|       | 0.218                               | 50.000 | 5.000        | 0.587    | 2.100        | -0.542    | 0.672     | 0.133     | 1.220    | 0.109            | 0.123            | 0.613    | 4.676    | 1.841    |
|       | 0.211                               | 55.000 | 5.000        | 0.562    | 2.310        | -0.631    | 0.651     | 0.169     | 1.239    | 0.136            | 0.149            | 0.746    | 5.422    | 2.135    |
|       | 0.204                               | 60.000 | 5.000        | 0.540    | 2.520        | -0.716    | 0.632     | 0.204     | 1.258    | 0.162            | 0.175            | 0.875    | 6.297    | 2.479    |
|       | 0.197                               | 65.000 | 5.000        | 0.520    | 2.730        | -0.798    | 0.614     | 0.240     | 1.276    | 0.188            | 0.193            | 0.964    | 7.261    | 2.859    |
|       | 0.195                               | 67.000 | 2.000        | 0.512    | 2.814        | -0.830    | 0.607     | 0.254     | 1.284    | 0.198            | 0.205            | 0.410    | 7.671    | 3.020    |



|       |       |         |       |       |       |        |       |       |       |       |       |       |        |       |
|-------|-------|---------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
|       | 0.192 | 70.000  | 3.000 | 0.501 | 2.940 | -0.877 | 0.597 | 0.275 | 1.294 | 0.212 | 0.224 | 0.672 | 8.343  | 3.284 |
|       | 0.187 | 75.000  | 5.000 | 0.484 | 3.150 | -0.954 | 0.582 | 0.309 | 1.311 | 0.236 | 0.247 | 1.234 | 9.577  | 3.770 |
|       | 0.182 | 80.000  | 5.000 | 0.468 | 3.360 | -1.029 | 0.568 | 0.342 | 1.327 | 0.258 | 0.269 | 1.343 | 10.920 | 4.299 |
|       | 0.177 | 85.000  | 5.000 | 0.454 | 3.570 | -1.103 | 0.555 | 0.375 | 1.342 | 0.279 | 0.289 | 1.447 | 12.367 | 4.869 |
|       | 0.173 | 90.000  | 5.000 | 0.441 | 3.780 | -1.174 | 0.543 | 0.407 | 1.357 | 0.300 | 0.309 | 1.546 | 13.913 | 5.478 |
|       | 0.170 | 95.000  | 5.000 | 0.429 | 3.990 | -1.244 | 0.532 | 0.437 | 1.371 | 0.319 | 0.328 | 1.641 | 15.554 | 6.124 |
|       | 0.166 | 100.000 | 5.000 | 0.417 | 4.200 | -1.312 | 0.521 | 0.467 | 1.385 | 0.337 | 0.341 | 1.705 | 17.260 | 6.795 |
|       | 0.165 | 102.000 | 2.000 | 0.413 | 4.284 | -1.339 | 0.517 | 0.479 | 1.391 | 0.345 | 0.350 | 0.700 | 17.960 | 7.071 |
|       | 0.163 | 105.000 | 3.000 | 0.407 | 4.410 | -1.379 | 0.511 | 0.497 | 1.399 | 0.355 | 0.364 | 1.091 | 19.050 | 7.500 |
|       | 0.160 | 110.000 | 5.000 | 0.397 | 4.620 | -1.444 | 0.502 | 0.525 | 1.412 | 0.372 | 0.374 | 1.869 | 20.919 | 8.236 |
|       | 0.159 | 111.000 | 1.000 | 0.395 | 4.662 | -1.457 | 0.500 | 0.531 | 1.414 | 0.375 | 0.382 | 0.382 | 21.301 | 8.386 |
| 5-day | 0.157 | 115.000 | 4.000 | 0.387 | 4.830 | -1.509 | 0.493 | 0.553 | 1.424 | 0.388 | 0.396 | 1.584 | 22.885 | 9.010 |

|                                  |        |
|----------------------------------|--------|
| <b>alpha</b>                     | 0.042  |
| <b>n</b>                         | 1.584  |
| <b>m = 1-1/n</b>                 | 0.275  |
| <b><math>\theta_r</math></b>     | 0.038  |
| <b><math>\theta_{sat}</math></b> | 0.345  |
| <b><math>K_{sat}</math></b>      |        |
| <b>[cm/d]</b>                    | 30.287 |
| <b>fitted m</b>                  | 0.275  |
| <b>l</b>                         |        |
| <b>parameter</b>                 | -1.358 |
| <b><math>K_{sat}</math></b>      |        |
| <b>[in/hr]</b>                   | 0.497  |
| <b><math>K_{sat}</math></b>      |        |
| <b>[cm/hr]</b>                   | 1.262  |

| Qp1   | Fitted van Genuchten curve:         |        |              |          |              | A         | B         | C         | D        | E                |                  |          |          |          |
|-------|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|----------|----------|
|       | $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\Psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | $k(\psi)/k_{sr}$ | $\psi_f$ | $\psi_f$ | $\psi_f$ |
|       | [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Ave. Step        | Step     | Sum [cm] | Sum [in] |
|       | 0.3810                              | 0.1    | 0            | 1.000    | 0.004        | 0.954     | 1.000     | 0.910     | 1.000    | 0.910            | 0.803            | 0.000    | 0.000    | 0.000    |
|       | 0.3803                              | 1      | 0.9          | 0.998    | 0.037        | 0.836     | 0.998     | 0.697     | 1.001    | 0.696            | 0.634            | 0.570    | 0.570    | 0.224    |
|       | 0.3789                              | 2      | 1            | 0.994    | 0.074        | 0.761     | 0.995     | 0.572     | 1.003    | 0.571            | 0.525            | 0.525    | 1.095    | 0.431    |
|       | 0.3771                              | 3      | 1            | 0.988    | 0.111        | 0.701     | 0.990     | 0.482     | 1.005    | 0.479            | 0.413            | 0.413    | 1.508    | 0.594    |
|       | 0.3726                              | 5      | 2            | 0.975    | 0.185        | 0.604     | 0.979     | 0.350     | 1.011    | 0.346            | 0.299            | 0.597    | 2.105    | 0.829    |
|       | 0.3673                              | 7      | 2            | 0.960    | 0.259        | 0.524     | 0.966     | 0.256     | 1.018    | 0.251            | 0.202            | 0.404    | 2.509    | 0.988    |
|       | 0.3585                              | 10     | 3            | 0.933    | 0.370        | 0.421     | 0.943     | 0.157     | 1.030    | 0.153            | 0.130            | 0.390    | 2.899    | 1.142    |
|       | 0.3523                              | 12     | 2            | 0.915    | 0.444        | 0.360     | 0.928     | 0.111     | 1.038    | 0.107            | 0.083            | 0.166    | 3.066    | 1.207    |
|       | 0.3429                              | 15     | 3            | 0.887    | 0.555        | 0.276     | 0.903     | 0.062     | 1.052    | 0.059            | 0.044            | 0.132    | 3.198    | 1.259    |
|       | 0.3335                              | 18     | 3            | 0.860    | 0.666        | 0.200     | 0.879     | 0.031     | 1.066    | 0.029            | 0.023            | 0.068    | 3.266    | 1.286    |
|       | 0.3274                              | 20     | 2            | 0.842    | 0.740        | 0.152     | 0.864     | 0.017     | 1.076    | 0.016            | 0.010            | 0.021    | 3.287    | 1.294    |
|       | 0.3186                              | 23     | 3            | 0.815    | 0.851        | 0.085     | 0.841     | 0.005     | 1.090    | 0.005            | 0.003            | 0.009    | 3.295    | 1.297    |
|       | 0.3129                              | 25     | 2            | 0.799    | 0.925        | 0.042     | 0.826     | 0.001     | 1.100    | 0.001            | 0.002            | 0.003    | 3.298    | 1.298    |
|       | 0.2996                              | 30     | 5            | 0.759    | 1.110        | -0.059    | 0.792     | 0.002     | 1.124    | 0.002            | 0.007            | 0.034    | 3.332    | 1.312    |
|       | 0.2875                              | 35     | 5            | 0.723    | 1.295        | -0.152    | 0.760     | 0.013     | 1.147    | 0.012            | 0.019            | 0.095    | 3.427    | 1.349    |
|       | 0.2766                              | 40     | 5            | 0.691    | 1.480        | -0.240    | 0.731     | 0.031     | 1.170    | 0.026            | 0.035            | 0.175    | 3.602    | 1.418    |
|       | 0.2667                              | 45     | 5            | 0.662    | 1.665        | -0.323    | 0.705     | 0.052     | 1.191    | 0.043            | 0.047            | 0.235    | 3.837    | 1.511    |
| 1-day | 0.2631                              | 47     | 2            | 0.651    | 1.739        | -0.355    | 0.695     | 0.061     | 1.200    | 0.051            | 0.056            | 0.112    | 3.950    | 1.555    |
|       | 0.2578                              | 50     | 3            | 0.636    | 1.850        | -0.402    | 0.681     | 0.075     | 1.212    | 0.062            | 0.064            | 0.191    | 4.141    | 1.630    |
|       | 0.2561                              | 51     | 1            | 0.631    | 1.887        | -0.417    | 0.676     | 0.080     | 1.216    | 0.065            | 0.073            | 0.073    | 4.213    | 1.659    |
|       | 0.2497                              | 55     | 4            | 0.611    | 2.035        | -0.477    | 0.659     | 0.099     | 1.232    | 0.080            | 0.089            | 0.357    | 4.571    | 1.799    |
|       | 0.2423                              | 60     | 5            | 0.590    | 2.220        | -0.549    | 0.639     | 0.123     | 1.251    | 0.098            | 0.116            | 0.579    | 5.149    | 2.027    |
|       | 0.2355                              | 65     | 5            | 0.570    | 2.405        | -0.619    | 0.620     | 0.147     | 1.270    | 0.116            | 0.130            | 0.648    | 5.797    | 2.282    |
|       | 0.2293                              | 70     | 5            | 0.551    | 2.590        | -0.686    | 0.603     | 0.171     | 1.287    | 0.133            | 0.141            | 0.706    | 6.503    | 2.560    |

|        |     |   |       |       |        |       |       |       |       |       |       |        |       |
|--------|-----|---|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
| 0.2258 | 73  | 3 | 0.541 | 2.701 | -0.725 | 0.594 | 0.186 | 1.298 | 0.143 | 0.154 | 0.462 | 6.965  | 2.742 |
| 0.2236 | 75  | 2 | 0.534 | 2.775 | -0.751 | 0.588 | 0.195 | 1.305 | 0.149 | 0.164 | 0.329 | 7.294  | 2.872 |
| 0.2183 | 80  | 5 | 0.519 | 2.960 | -0.814 | 0.573 | 0.218 | 1.321 | 0.165 | 0.179 | 0.896 | 8.190  | 3.224 |
| 0.2135 | 85  | 5 | 0.504 | 3.145 | -0.876 | 0.559 | 0.240 | 1.337 | 0.180 | 0.193 | 0.966 | 9.156  | 3.605 |
| 0.2125 | 86  | 1 | 0.502 | 3.182 | -0.888 | 0.557 | 0.244 | 1.340 | 0.182 | 0.201 | 0.201 | 9.357  | 3.684 |
| 0.2089 | 90  | 4 | 0.491 | 3.330 | -0.936 | 0.547 | 0.262 | 1.352 | 0.194 | 0.212 | 0.849 | 10.206 | 4.018 |
| 0.2047 | 95  | 5 | 0.478 | 3.515 | -0.994 | 0.535 | 0.283 | 1.367 | 0.207 | 0.225 | 1.123 | 11.330 | 4.460 |
| 0.2007 | 100 | 5 | 0.467 | 3.700 | -1.051 | 0.524 | 0.303 | 1.382 | 0.219 | 0.236 | 1.181 | 12.511 | 4.926 |
| 0.1970 | 105 | 5 | 0.456 | 3.885 | -1.107 | 0.513 | 0.323 | 1.396 | 0.231 | 0.247 | 1.237 | 13.747 | 5.412 |
| 0.1935 | 110 | 5 | 0.445 | 4.070 | -1.161 | 0.503 | 0.342 | 1.409 | 0.242 | 0.255 | 1.275 | 15.022 | 5.914 |
| 0.1903 | 115 | 5 | 0.436 | 4.255 | -1.214 | 0.494 | 0.360 | 1.422 | 0.253 | 0.262 | 1.311 | 16.333 | 6.430 |
| 0.1872 | 120 | 5 | 0.427 | 4.440 | -1.267 | 0.485 | 0.378 | 1.435 | 0.263 | 0.268 | 1.341 | 17.674 | 6.958 |
| 0.1860 | 122 | 2 | 0.423 | 4.514 | -1.287 | 0.482 | 0.385 | 1.440 | 0.267 | 0.274 | 0.548 | 18.222 | 7.174 |
| 0.1848 | 124 | 4 | 0.420 | 4.588 | -1.308 | 0.479 | 0.392 | 1.445 | 0.271 | 0.277 | 1.107 | 19.329 | 7.610 |
| 0.1843 | 125 | 1 | 0.418 | 4.625 | -1.318 | 0.477 | 0.395 | 1.448 | 0.273 | 0.282 | 0.282 | 19.612 | 7.721 |
| 0.1820 | 129 | 4 | 0.411 | 4.773 | -1.359 | 0.471 | 0.409 | 1.458 | 0.281 | 0.290 | 1.160 | 20.772 | 8.178 |
| 0.1815 | 130 | 5 | 0.410 | 4.810 | -1.369 | 0.469 | 0.412 | 1.460 | 0.282 | 0.295 | 1.475 | 22.246 | 8.758 |
| 0.1789 | 135 | 5 | 0.402 | 4.995 | -1.418 | 0.462 | 0.429 | 1.472 | 0.291 | 0.303 | 1.516 | 23.762 | 9.355 |
| 0.1764 | 140 | 5 | 0.395 | 5.180 | -1.467 | 0.454 | 0.444 | 1.483 | 0.300 | 0.311 | 1.555 | 25.318 | 9.968 |

|                     |        |                      |       |
|---------------------|--------|----------------------|-------|
| alpha               | 0.037  |                      |       |
| n                   | 1.549  | $K_{sat}$<br>[in/hr] | 0.830 |
| m = 1-1/n           | 0.301  | $K_{sat}$<br>[cm/hr] | 2.108 |
| $\theta_r$          | 0.043  |                      |       |
| $\theta_{sat}$      | 0.381  |                      |       |
| $K_{sat}$<br>[cm/d] | 50.599 |                      |       |
| fitted m            | 0.301  |                      |       |
| l                   | -1.069 |                      |       |

| Qp2   | Fitted van Genuchten curve:         |        |              |          |              | A         | B         | C         | D        | E                |                  |          |          |          |
|-------|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|----------|----------|
|       | $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\Psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | $k(\psi)/k_{sr}$ | $\Psi_f$ | $\Psi_f$ | $\Psi_f$ |
|       | [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Ave. Step        | Step     | Sum [cm] | Sum [in] |
| 1-day | 0.3400                              | 0.1    | 0            | 1.00     | 0.00         | 0.96      | 1.000     | 0.915     | 1.000    | 0.915            | 0.806            | 0.000    | 0.000    | 0.000    |
|       | 0.3393                              | 1      | 0.9          | 1.00     | 0.04         | 0.84      | 0.998     | 0.698     | 1.001    | 0.697            | 0.631            | 0.568    | 0.568    | 0.223    |
|       | 0.3378                              | 2      | 1            | 0.99     | 0.08         | 0.76      | 0.993     | 0.566     | 1.004    | 0.564            | 0.515            | 0.515    | 1.083    | 0.426    |
|       | 0.3359                              | 3      | 1            | 0.99     | 0.13         | 0.69      | 0.986     | 0.470     | 1.007    | 0.467            | 0.395            | 0.395    | 1.478    | 0.582    |
|       | 0.3312                              | 5      | 2            | 0.97     | 0.21         | 0.59      | 0.970     | 0.329     | 1.015    | 0.324            | 0.274            | 0.549    | 2.027    | 0.798    |
|       | 0.3256                              | 7      | 2            | 0.95     | 0.29         | 0.50      | 0.952     | 0.230     | 1.025    | 0.225            | 0.175            | 0.349    | 2.376    | 0.935    |
|       | 0.3163                              | 10     | 3            | 0.92     | 0.42         | 0.39      | 0.920     | 0.130     | 1.042    | 0.125            | 0.103            | 0.308    | 2.684    | 1.057    |
|       | 0.3098                              | 12     | 2            | 0.90     | 0.50         | 0.32      | 0.899     | 0.085     | 1.055    | 0.081            | 0.059            | 0.119    | 2.803    | 1.103    |
|       | 0.3001                              | 15     | 3            | 0.87     | 0.63         | 0.23      | 0.866     | 0.041     | 1.074    | 0.038            | 0.026            | 0.078    | 2.880    | 1.134    |
|       | 0.2906                              | 18     | 3            | 0.83     | 0.76         | 0.15      | 0.834     | 0.015     | 1.095    | 0.014            | 0.010            | 0.029    | 2.909    | 1.145    |
|       | 0.2845                              | 20     | 2            | 0.81     | 0.84         | 0.10      | 0.814     | 0.006     | 1.108    | 0.005            | 0.003            | 0.006    | 2.915    | 1.148    |
|       | 0.2758                              | 23     | 3            | 0.78     | 0.97         | 0.02      | 0.784     | 0.000     | 1.129    | 0.000            | 0.000            | 0.001    | 2.916    | 1.148    |
|       | 0.2702                              | 25     | 2            | 0.77     | 1.05         | -0.03     | 0.766     | 0.000     | 1.143    | 0.000            | 0.005            | 0.009    | 2.925    | 1.152    |
|       | 0.2574                              | 30     | 5            | 0.72     | 1.26         | -0.14     | 0.723     | 0.010     | 1.176    | 0.009            | 0.016            | 0.081    | 3.007    | 1.184    |
|       | 0.2526                              | 32     | 2            | 0.71     | 1.34         | -0.18     | 0.707     | 0.017     | 1.189    | 0.014            | 0.028            | 0.055    | 3.062    | 1.205    |
|       | 0.2459                              | 35     | 3            | 0.68     | 1.47         | -0.25     | 0.684     | 0.029     | 1.209    | 0.024            | 0.041            | 0.123    | 3.185    | 1.254    |
|       | 0.2357                              | 40     | 5            | 0.65     | 1.68         | -0.35     | 0.650     | 0.051     | 1.240    | 0.041            | 0.058            | 0.291    | 3.477    | 1.369    |
|       | 0.2266                              | 45     | 5            | 0.62     | 1.89         | -0.44     | 0.620     | 0.074     | 1.270    | 0.059            | 0.075            | 0.376    | 3.853    | 1.517    |
|       | 0.2185                              | 50     | 5            | 0.59     | 2.10         | -0.53     | 0.592     | 0.098     | 1.299    | 0.076            | 0.091            | 0.457    | 4.310    | 1.697    |
|       | 0.2112                              | 55     | 5            | 0.57     | 2.31         | -0.62     | 0.568     | 0.122     | 1.327    | 0.092            | 0.107            | 0.533    | 4.843    | 1.907    |
|       | 0.2046                              | 60     | 5            | 0.55     | 2.52         | -0.70     | 0.545     | 0.145     | 1.354    | 0.107            | 0.115            | 0.577    | 5.420    | 2.134    |
|       | 0.1986                              | 65     | 5            | 0.53     | 2.73         | -0.78     | 0.525     | 0.167     | 1.380    | 0.121            | 0.127            | 0.637    | 6.057    | 2.385    |
|       | 0.1974                              | 66     | 1            | 0.52     | 2.77         | -0.79     | 0.522     | 0.171     | 1.385    | 0.124            | 0.135            | 0.135    | 6.192    | 2.438    |
|       | 0.1963                              | 67     | 1            | 0.52     | 2.81         | -0.81     | 0.518     | 0.176     | 1.390    | 0.126            | 0.141            | 0.141    | 6.333    | 2.493    |

[illegible]

| Qp3   | Fitted van Genuchten curve:         |        |              |          |              | A         | B         | C         | D        | E                |                  |          |             |             |
|-------|-------------------------------------|--------|--------------|----------|--------------|-----------|-----------|-----------|----------|------------------|------------------|----------|-------------|-------------|
|       | $\theta_v$                          | $\psi$ | $\Delta\psi$ | $\Theta$ | $\alpha\Psi$ | $k(\psi)$ | $k(\psi)$ | $k(\psi)$ | $k_{sr}$ | $k(\psi)/k_{sr}$ | $k(\psi)/k_{sr}$ | $\psi_f$ | $\psi_f$    | $\psi_f$    |
|       | [cm <sup>3</sup> /cm <sup>3</sup> ] | [cm]   | [cm]         | [-]      |              |           |           |           |          |                  | Ave.<br>Step     | Step     | Sum<br>[cm] | Sum<br>[in] |
|       | 0.3770                              | 0.1    | 0            | 1.00     | 0.00         | 0.97      | 1.00      | 0.94      | 1.00     | 0.94             | 0.85             | 0.00     | 0.00        | 0.00        |
|       | 0.3765                              | 1      | 0.9          | 1.00     | 0.03         | 0.87      | 1.00      | 0.76      | 1.00     | 0.76             | 0.71             | 0.64     | 0.64        | 0.25        |
|       | 0.3755                              | 2      | 1            | 1.00     | 0.06         | 0.81      | 1.00      | 0.65      | 1.00     | 0.65             | 0.61             | 0.61     | 1.24        | 0.49        |
|       | 0.3742                              | 3      | 1            | 0.99     | 0.09         | 0.76      | 0.99      | 0.57      | 1.00     | 0.56             | 0.50             | 0.50     | 1.74        | 0.69        |
|       | 0.3708                              | 5      | 2            | 0.98     | 0.16         | 0.67      | 0.98      | 0.44      | 1.01     | 0.43             | 0.38             | 0.77     | 2.51        | 0.99        |
|       | 0.3667                              | 7      | 2            | 0.97     | 0.22         | 0.60      | 0.97      | 0.34      | 1.01     | 0.34             | 0.28             | 0.56     | 3.07        | 1.21        |
|       | 0.3595                              | 10     | 3            | 0.95     | 0.31         | 0.50      | 0.96      | 0.23      | 1.02     | 0.23             | 0.20             | 0.60     | 3.67        | 1.45        |
|       | 0.3543                              | 12     | 2            | 0.93     | 0.37         | 0.45      | 0.94      | 0.18      | 1.03     | 0.17             | 0.14             | 0.28     | 3.96        | 1.56        |
|       | 0.3461                              | 15     | 3            | 0.91     | 0.47         | 0.37      | 0.92      | 0.11      | 1.04     | 0.11             | 0.09             | 0.27     | 4.22        | 1.66        |
|       | 0.3378                              | 18     | 3            | 0.88     | 0.56         | 0.29      | 0.90      | 0.07      | 1.05     | 0.07             | 0.06             | 0.17     | 4.39        | 1.73        |
|       | 0.3322                              | 20     | 2            | 0.87     | 0.62         | 0.25      | 0.89      | 0.05      | 1.06     | 0.05             | 0.03             | 0.07     | 4.46        | 1.76        |
|       | 0.3240                              | 23     | 3            | 0.84     | 0.71         | 0.18      | 0.87      | 0.03      | 1.07     | 0.02             | 0.02             | 0.06     | 4.52        | 1.78        |
|       | 0.3187                              | 25     | 2            | 0.83     | 0.78         | 0.14      | 0.86      | 0.01      | 1.08     | 0.01             | 0.01             | 0.01     | 4.53        | 1.78        |
|       | 0.3058                              | 30     | 5            | 0.79     | 0.93         | 0.04      | 0.82      | 0.00      | 1.10     | 0.00             | 0.00             | 0.01     | 4.54        | 1.79        |
|       | 0.3034                              | 31     | 1            | 0.78     | 0.96         | 0.02      | 0.82      | 0.00      | 1.11     | 0.00             | 0.00             | 0.00     | 4.54        | 1.79        |
|       | 0.2939                              | 35     | 4            | 0.75     | 1.09         | -0.05     | 0.79      | 0.00      | 1.12     | 0.00             | 0.01             | 0.05     | 4.59        | 1.81        |
|       | 0.2828                              | 40     | 5            | 0.72     | 1.24         | -0.14     | 0.76      | 0.01      | 1.14     | 0.01             | 0.02             | 0.12     | 4.71        | 1.85        |
|       | 0.2727                              | 45     | 5            | 0.69     | 1.40         | -0.22     | 0.74      | 0.03      | 1.16     | 0.02             | 0.03             | 0.16     | 4.87        | 1.92        |
| 1-day | 0.2635                              | 50     | 5            | 0.66     | 1.55         | -0.30     | 0.71      | 0.05      | 1.18     | 0.04             | 0.05             | 0.24     | 5.11        | 2.01        |
|       | 0.2617                              | 51     | 1            | 0.66     | 1.58         | -0.31     | 0.71      | 0.05      | 1.19     | 0.04             | 0.06             | 0.06     | 5.17        | 2.03        |
|       | 0.2550                              | 55     | 5            | 0.64     | 1.71         | -0.38     | 0.69      | 0.07      | 1.20     | 0.06             | 0.07             | 0.37     | 5.54        | 2.18        |

|       |        |     |   |      |      |       |      |      |      |      |      |      |       |      |
|-------|--------|-----|---|------|------|-------|------|------|------|------|------|------|-------|------|
|       | 0.2472 | 60  | 5 | 0.61 | 1.86 | -0.45 | 0.67 | 0.09 | 1.22 | 0.07 | 0.09 | 0.43 | 5.96  | 2.35 |
|       | 0.2400 | 65  | 5 | 0.59 | 2.02 | -0.52 | 0.65 | 0.11 | 1.24 | 0.09 | 0.10 | 0.51 | 6.47  | 2.55 |
|       | 0.2386 | 66  | 1 | 0.59 | 2.05 | -0.53 | 0.65 | 0.12 | 1.24 | 0.10 | 0.11 | 0.11 | 6.58  | 2.59 |
|       | 0.2334 | 70  | 4 | 0.57 | 2.17 | -0.59 | 0.63 | 0.14 | 1.26 | 0.11 | 0.12 | 0.48 | 7.05  | 2.78 |
|       | 0.2321 | 71  | 1 | 0.57 | 2.20 | -0.60 | 0.63 | 0.14 | 1.26 | 0.11 | 0.13 | 0.13 | 7.18  | 2.83 |
|       | 0.2272 | 75  | 4 | 0.55 | 2.33 | -0.65 | 0.62 | 0.16 | 1.27 | 0.13 | 0.15 | 0.58 | 7.77  | 3.06 |
|       | 0.2216 | 80  | 5 | 0.54 | 2.48 | -0.72 | 0.60 | 0.19 | 1.29 | 0.15 | 0.16 | 0.79 | 8.56  | 3.37 |
|       | 0.2163 | 85  | 5 | 0.52 | 2.64 | -0.78 | 0.59 | 0.21 | 1.30 | 0.16 | 0.17 | 0.85 | 9.41  | 3.71 |
|       | 0.2133 | 88  | 3 | 0.51 | 2.73 | -0.82 | 0.58 | 0.23 | 1.31 | 0.17 | 0.18 | 0.55 | 9.96  | 3.92 |
|       | 0.2114 | 90  | 2 | 0.51 | 2.79 | -0.85 | 0.57 | 0.24 | 1.32 | 0.18 | 0.19 | 0.39 | 10.35 | 4.07 |
|       | 0.2068 | 95  | 5 | 0.49 | 2.95 | -0.91 | 0.56 | 0.26 | 1.33 | 0.19 | 0.21 | 1.03 | 11.37 | 4.48 |
|       | 0.2026 | 100 | 5 | 0.48 | 3.10 | -0.96 | 0.55 | 0.28 | 1.35 | 0.21 | 0.22 | 1.08 | 12.45 | 4.90 |
|       | 0.2001 | 103 | 3 | 0.47 | 3.19 | -1.00 | 0.54 | 0.29 | 1.36 | 0.22 | 0.23 | 0.68 | 13.13 | 5.17 |
|       | 0.1985 | 105 | 2 | 0.47 | 3.26 | -1.02 | 0.54 | 0.30 | 1.36 | 0.22 | 0.24 | 0.47 | 13.60 | 5.36 |
|       | 0.1948 | 110 | 5 | 0.46 | 3.41 | -1.08 | 0.53 | 0.32 | 1.38 | 0.24 | 0.25 | 1.24 | 14.85 | 5.85 |
|       | 0.1912 | 115 | 5 | 0.45 | 3.57 | -1.14 | 0.52 | 0.35 | 1.39 | 0.25 | 0.26 | 1.30 | 16.15 | 6.36 |
|       | 0.1879 | 120 | 5 | 0.44 | 3.72 | -1.19 | 0.51 | 0.37 | 1.40 | 0.26 | 0.27 | 1.34 | 17.48 | 6.88 |
|       | 0.1853 | 124 | 4 | 0.43 | 3.84 | -1.23 | 0.50 | 0.38 | 1.41 | 0.27 | 0.28 | 1.11 | 18.59 | 7.32 |
|       | 0.1847 | 125 | 1 | 0.43 | 3.88 | -1.24 | 0.50 | 0.39 | 1.41 | 0.27 | 0.28 | 0.28 | 18.88 | 7.43 |
|       | 0.1817 | 130 | 5 | 0.42 | 4.03 | -1.30 | 0.49 | 0.41 | 1.43 | 0.28 | 0.29 | 1.45 | 20.33 | 8.00 |
|       | 0.1806 | 132 | 2 | 0.42 | 4.09 | -1.32 | 0.49 | 0.41 | 1.43 | 0.29 | 0.30 | 0.59 | 20.92 | 8.24 |
|       | 0.1789 | 135 | 3 | 0.41 | 4.19 | -1.35 | 0.48 | 0.43 | 1.44 | 0.30 | 0.31 | 0.92 | 21.84 | 8.60 |
| 5-day | 0.1762 | 140 | 5 | 0.40 | 4.34 | -1.40 | 0.48 | 0.44 | 1.45 | 0.31 | 0.32 | 1.58 | 23.42 | 9.22 |

**alpha** 0.031

|                                  |        |
|----------------------------------|--------|
| <b>n</b>                         | 1.597  |
| <b>m = 1-1/n</b>                 | 0.306  |
| <b><math>\theta_r</math></b>     | 0.041  |
| <b><math>\theta_{sat}</math></b> | 0.377  |
| <b><math>K_{sat}</math></b>      |        |
| <b>[cm/d]</b>                    | 40.886 |
| <b>fitted m</b>                  | 0.306  |
| <b>l</b>                         |        |
| <b>parameter</b>                 | -0.868 |
| <b><math>K_{sat}</math></b>      |        |
| <b>[in/hr]</b>                   | 0.671  |
| <b><math>K_{sat}</math></b>      |        |
| <b>[cm/hr]</b>                   | 1.704  |



NOTE: Flowrates calculated in cfs

```
1*****
*                                     *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998                        *
*   VERSION 4.1                     *
*                                     *
* RUN DATE 13AUG10 TIME 14:25:18 *
*                                     *
*****
*                                     *
*                                     *
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
*   609 SECOND STREET           *
* DAVIS, CALIFORNIA 95616      *
*   (916) 756-1104             *
*                                     *
*****
```

```

X  X XXXXXXXX XXXXX      X
X  X X      X  X      XX
X  X X      X      X
XXXXXXX XXXX  X  XXXXX X
X  X X      X      X
X  X X      X  X      X
X  X XXXXXXXX XXXXX      XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.

THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION  
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,  
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION  
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

\*DIAGRAM

\*\*\* FREE \*\*\*

```

1 ID *****
2 ID * .....*
3 ID * : : *
4 ID * : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
5 ID * : OF ANTECEDENT MOISTURE CONTENT ON : *
6 ID * : MODEL-GENERATED RUNOFF : *
7 ID * : FROM AN ARID WATERSHED : *
8 ID * : : *
9 ID * : .....*
10 ID * : RETURN PERIOD__ _ 100-YEAR : *
11 ID * : DISTRIBUTION__ _ 6-HOUR SDN 5 : *
12 ID * : FILENAME_____0_day_Keffx4.h1 : *
13 ID * : DATE_____08/9/10 : *
14 ID * : MODELED BY_____WJM : *
15 ID * : .....*
16 ID *****
17 ID * : : *
18 ID * : 1. Total watershed area is 88 sq. mi. : *
19 ID * : 2. DARF is 0.62 for area : *
20 ID * : 3. 500 Year Precip. Value is 3.02 in. : *
21 ID * : 4. 500 Year DARF value 0.62 : *
22 ID * : 5. 100 Year DARF value 0.44 : *
23 ID * : 6. 50 Year DARF value 0.38 : *
24 ID * : 7. 25 Year DARF value 0.32 : *
25 ID * : 8. 10 Year DARF Value 0.26 : *
26 ID * : 9. 2 Year DARF Value 0.15 : *
27 ID * : 10. USBR Lag time : *
28 ID * : .....*
29 ID *****
30 ID
31 IT 5 0000 000 200
32 IO 5

```

|    |    |                |       |       |       |       |       |       |       |       |       |  |  |
|----|----|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| 33 | IN | 5              | 0     | 0     |       |       |       |       |       |       |       |  |  |
| 34 | JR | PREC           | 0.62  | 0.44  | 0.38  | 0.32  | 0.26  |       |       |       |       |  |  |
| 35 | KK | WSage          |       |       |       |       |       |       |       |       |       |  |  |
| 36 | KM | White Sage Gap |       |       |       |       |       |       |       |       |       |  |  |
| 37 | BA | 7.859          |       |       |       |       |       |       |       |       |       |  |  |
| 38 | PB | 3.02           |       |       |       |       |       |       |       |       |       |  |  |
| 39 | PC | 0.000          | 0.020 | 0.059 | 0.080 | 0.110 | 0.144 | 0.150 | 0.160 | 0.168 | 0.171 |  |  |
| 40 | PC | 0.180          | 0.182 | 0.187 | 0.190 | 0.197 | 0.202 | 0.210 | 0.220 | 0.230 | 0.241 |  |  |
| 41 | PC | 0.250          | 0.259 | 0.265 | 0.280 | 0.290 | 0.300 | 0.305 | 0.309 | 0.310 | 0.317 |  |  |
| 42 | PC | 0.321          | 0.327 | 0.333 | 0.346 | 0.361 | 0.381 | 0.408 | 0.430 | 0.477 | 0.514 |  |  |
| 43 | PC | 0.561          | 0.630 | 0.710 | 0.720 | 0.731 | 0.752 | 0.779 | 0.790 | 0.795 | 0.804 |  |  |
| 44 | PC | 0.810          | 0.820 | 0.826 | 0.840 | 0.859 | 0.889 | 0.910 | 0.938 | 0.966 | 0.970 |  |  |
| 45 | PC | 0.974          | 0.979 | 0.981 | 0.983 | 0.985 | 0.989 | 0.990 | 0.992 | 0.993 | 0.996 |  |  |
| 46 | PC | 0.997          | 0.999 | 1.000 |       |       |       |       |       |       |       |  |  |
| 47 | KM | Ia Deficit     | Cap   | Ks    | IMP   |       |       |       |       |       |       |  |  |
| 48 | LG | 0.046          | 0.0   | 0.001 | 0.230 | 0.855 |       |       |       |       |       |  |  |
| 49 | UD | 0.60           |       |       |       |       |       |       |       |       |       |  |  |

\*

HEC-1 INPUT

PAGE 2

|      |                                                                 |
|------|-----------------------------------------------------------------|
| LINE | ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10 |
|------|-----------------------------------------------------------------|

|    |    |                          |      |      |  |
|----|----|--------------------------|------|------|--|
| 50 | KK | RWsage                   |      |      |  |
| 51 | KM | Route WSage through RFan |      |      |  |
| 52 | KM | N                        | K    | X    |  |
| 53 | RM | 12                       | 1.03 | 0.15 |  |

\*

|    |    |                  |       |       |             |
|----|----|------------------|-------|-------|-------------|
| 54 | KK | RFan             |       |       |             |
| 55 | KM | Red Alluvial Fan |       |       |             |
| 56 | BA | 12.565           |       |       |             |
| 57 | PB | 3.02             |       |       |             |
| 58 | KM | Ia Deficit       | Cap   | Ks    | IMP         |
| 59 | LG | 0.038            | 0.000 | 0.001 | 0.264 0.277 |
| 60 | UD | 1.19             |       |       |             |

\*

61 KK NWest  
 62 KM North west mountains  
 63 BA 12.269  
 64 PB 3.02  
 65 KM Ia Deficit Cap Ks IMP  
 66 LG 0.036 0.000 0.001 0.239 0.552  
 67 UD 0.67

\*

68 KK CRfan  
 69 KM Redfan concentration point  
 70 KO 2  
 71 HC 3

\*

72 KK RCRfan  
 73 KM Route Redfan concentration point  
 74 KM through channel at west side of floodplain  
 75 KM N K X  
 76 RM 11 0.94 0.15

\*

77 KK WCent  
 78 KM West central mountains  
 79 BA 9.403  
 80 PB 3.02  
 81 KM Ia Deficit Cap Ks IMP  
 82 LG 0.042 0.000 0.001 0.239 0.407  
 83 UD 0.46

\*

84 KK RCWCent  
 85 KM Route CWCent along west side of floodplain  
 86 KM N K X  
 87 RM 5 0.45 0.15

1 \* HEC-1 INPUT PAGE 3

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

88 KK Fplain  
 89 KM Floodplain  
 90 BA 10.614  
 91 PB 3.02  
 92 KM Ia Deficit Cap Ks IMP  
 93 LG 0.043 0.000 0.001 0.271 0.245  
 94 UD 0.92  
 \*  
 95 KK CFplain  
 96 KO 2  
 97 HC 3  
 \*  
 98 KKRCFplain  
 99 KM Route Flood plain concentration point  
 100 KM N K X  
 101 RM 5 0.44 0.15  
 \*  
 102 KK SCen  
 103 KM South central mountains  
 104 BA 7.562  
 105 PB 3.02  
 106 KM Ia Deficit Cap Ks IMP  
 107 LG 0.041 0.000 1.547 0.258 0.247  
 108 UD 0.64  
 \*  
 109 KK HVal  
 110 KM High valley on east side of watershed

111 BA 11.137  
112 PB 3.02  
113 KM Ia Deficit Cap Ks IMP  
114 LG 0.049 0.000 0.001 0.278 0.630  
115 UD 0.86  
116 KO 2

\*

117 KK RHval  
118 KM Route High Valley basin  
119 KM N K X  
120 RM 9 0.75 0.15

\*

121 KK SOct  
122 KM South octagon area and east mountains  
123 BA 10.746  
124 PB 3.02  
125 KM Ia Deficit Cap Ks IMP  
126 LG 0.039 0.000 0.001 0.234 0.246  
127 UD 0.92

\*

1 HEC-1 INPUT PAGE 4

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

128 KK COut  
129 KO 2  
130 HC 4

\*

131 KK SEast  
132 KM Southeast adjacent basin  
133 BA 3.707  
134 PB 3.02  
135 KM Ia Deficit Cap Ks IMP

136 LG 0.044 0.000 0.001 0.248 0.653  
 137 UD 0.45  
 \*

138 KK SWest  
 139 KM South west adjacent basin  
 140 BA 2.156  
 141 PB 3.02  
 142 KM Ia Deficit Cap Ks IMP  
 143 LG 0.039 0.000 0.001 0.274 0.680  
 144 UD 0.25  
 \*

145 KK CTotal  
 146 KM KO 2  
 147 HC 3  
 \*

148 ZZ

518

1

# SCHEMATIC DIAGRAM OF STREAM NETWORK

## INPUT

LINE (V) ROUTING (--->) DIVERSION OR PUMP FLOW

NO. (.) CONNECTOR (<---) RETURN OF DIVERTED OR PUMPED FLOW

35 WSage

V

V

50 RWsage

.

.

54 . RFan

.

.

61 . . NWest

.

.

|     |              |         |        |      |  |
|-----|--------------|---------|--------|------|--|
| 68  | CRfan.....   | V       |        |      |  |
|     |              | V       |        |      |  |
| 72  | RCRfan       |         |        |      |  |
|     | .            |         |        |      |  |
|     | .            |         |        |      |  |
| 77  | .            | WCent   |        |      |  |
|     | .            | V       |        |      |  |
|     | .            | V       |        |      |  |
| 84  | .            | RCWCent |        |      |  |
|     | .            | .       |        |      |  |
|     | .            | .       |        |      |  |
| 88  | .            | .       | Fplain |      |  |
|     | .            | .       | .      |      |  |
|     | .            | .       | .      |      |  |
| 95  | CFplain..... | V       |        |      |  |
|     |              | V       |        |      |  |
| 98  | RCFplain     |         |        |      |  |
|     | .            |         |        |      |  |
|     | .            |         |        |      |  |
| 102 | .            | SCen    |        |      |  |
|     | .            | .       |        |      |  |
|     | .            | .       |        |      |  |
| 109 | .            | .       | HVal   |      |  |
|     | .            | .       | V      |      |  |
|     | .            | .       | V      |      |  |
| 117 | .            | .       | RHval  |      |  |
|     | .            | .       | .      |      |  |
|     | .            | .       | .      |      |  |
| 121 | .            | .       | .      | SOct |  |
|     | .            | .       | .      | .    |  |
|     | .            | .       | .      | .    |  |
| 128 | COut.....    |         |        |      |  |
|     | .            |         |        |      |  |
|     | .            |         |        |      |  |
| 131 | .            | SEast   |        |      |  |



138 . . SWest

145 CTotal.....

(\*\*\*) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****
*                                     *
*      *                               *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *      * U.S. ARMY CORPS OF ENGINEERS *
*   JUN 1998                        * HYDROLOGIC ENGINEERING CENTER *
*   VERSION 4.1                     *   609 SECOND STREET *
*                                     * DAVIS, CALIFORNIA 95616 *
* RUN DATE 13AUG10 TIME 14:25:18 *      * (916) 756-1104 *
*                                     *
*****
```

520

```
*****
* .....*
* . : *
* . EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
* . OF ANTECEDENT MOISTURE CONTENT ON : *
* . MODEL-GENERATED RUNOFF : *
* . FROM AN ARID WATERSHED : *
* . : *
* .....*
* . RETURN PERIOD_ _ 100-YEAR : *
* . DISTRIBUTION_ _ _ 6-HOUR SDN 5 : *
* . FILENAME_ _ _ _ 0_day_Keffx4.h1 : *
* . DATE_ _ _ _ _ 08/9/10 : *
* . MODELED BY_ _ _ _ WJM : *
* .....*
```

```

*****
* :                               : *
* : 1. Total watershed area is 88 sq. mi.      : *
* : 2. DARF is 0.62 for area                   : *
* : 3. 500 Year Precip. Value is 3.02 in.      : *
* : 4. 500 Year DARF value 0.62                : *
* : 5. 100 Year DARF value 0.44                : *
* : 6. 50 Year DARF value 0.38                 : *
* : 7. 25 Year DARF value 0.32                 : *
* : 8. 10 Year DARF Value 0.26                 : *
* : 9. 2 Year DARF Value 0.15                  : *
* :10. USBR Lag time                           : *
* ..... : *
*****

```

```

32 IO  OUTPUT CONTROL VARIABLES
      IPRNT    5  PRINT CONTROL
      IPLOT    0  PLOT CONTROL
      QSCAL    0. HYDROGRAPH PLOT SCALE

```

```

IT  HYDROGRAPH TIME DATA
    NMIN      5  MINUTES IN COMPUTATION INTERVAL
    IDATE     1 00 0  STARTING DATE
    ITIME     0000 STARTING TIME
    NQ        200 NUMBER OF HYDROGRAPH ORDINATES
    NDDATE    1  0  ENDING DATE
    NDTIME    1635 ENDING TIME
    ICENT     19  CENTURY MARK

```

```

COMPUTATION INTERVAL  .08 HOURS
TOTAL TIME BASE  16.58 HOURS

```

```

ENGLISH UNITS
DRAINAGE AREA    SQUARE MILES
PRECIPITATION DEPTH  INCHES
LENGTH, ELEVATION  FEET

```

FLOW CUBIC FEET PER SECOND  
STORAGE VOLUME ACRE-FEET  
SURFACE AREA ACRES  
TEMPERATURE DEGREES FAHRENHEIT

JP MULTI-PLAN OPTION  
NPLAN 1 NUMBER OF PLANS

JR MULTI-RATIO OPTION  
RATIOS OF PRECIPITATION  
.62 .44 .38 .32 .26

\*\*\*\*\*

\*\*\*\*\*  
\* \*  
68 KK \* CRfan \*  
\* \*  
\*\*\*\*\*

70 KO OUTPUT CONTROL VARIABLES  
IPRNT 2 PRINT CONTROL  
IPLOT 0 PLOT CONTROL  
QSCAL 0. HYDROGRAPH PLOT SCALE

71 HC HYDROGRAPH COMBINATION  
ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

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## 523

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| *<br>DA MON HRMN ORD |      |    |       |     | *<br>FLOW *<br>* |    |       |     |      | *<br>DA MON HRMN ORD |     |     |      |     | *<br>FLOW *<br>* |  |  |  |  | *<br>DA MON HRMN ORD |  |  |  |  | *<br>FLOW *<br>* |  |  |  |  |
|----------------------|------|----|-------|-----|------------------|----|-------|-----|------|----------------------|-----|-----|------|-----|------------------|--|--|--|--|----------------------|--|--|--|--|------------------|--|--|--|--|
| 1                    | 0000 | 1  | 0.    | * 1 | 0410             | 51 | 6207. | * 1 | 0820 | 101                  | 69. | * 1 | 1230 | 151 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0005 | 2  | 0.    | * 1 | 0415             | 52 | 6245. | * 1 | 0825 | 102                  | 62. | * 1 | 1235 | 152 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0010 | 3  | 25.   | * 1 | 0420             | 53 | 6214. | * 1 | 0830 | 103                  | 55. | * 1 | 1240 | 153 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0015 | 4  | 82.   | * 1 | 0425             | 54 | 6143. | * 1 | 0835 | 104                  | 48. | * 1 | 1245 | 154 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0020 | 5  | 182.  | * 1 | 0430             | 55 | 6041. | * 1 | 0840 | 105                  | 42. | * 1 | 1250 | 155 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0025 | 6  | 349.  | * 1 | 0435             | 56 | 5966. | * 1 | 0845 | 106                  | 37. | * 1 | 1255 | 156 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0030 | 7  | 580.  | * 1 | 0440             | 57 | 5949. | * 1 | 0850 | 107                  | 33. | * 1 | 1300 | 157 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0035 | 8  | 842.  | * 1 | 0445             | 58 | 5958. | * 1 | 0855 | 108                  | 28. | * 1 | 1305 | 158 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0040 | 9  | 1111. | * 1 | 0450             | 59 | 5969. | * 1 | 0900 | 109                  | 24. | * 1 | 1310 | 159 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0045 | 10 | 1359. | * 1 | 0455             | 60 | 5973. | * 1 | 0905 | 110                  | 21. | * 1 | 1315 | 160 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0050 | 11 | 1553. | * 1 | 0500             | 61 | 5939. | * 1 | 0910 | 111                  | 18. | * 1 | 1320 | 161 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0055 | 12 | 1678. | * 1 | 0505             | 62 | 5848. | * 1 | 0915 | 112                  | 15. | * 1 | 1325 | 162 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0100 | 13 | 1744. | * 1 | 0510             | 63 | 5682. | * 1 | 0920 | 113                  | 12. | * 1 | 1330 | 163 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0105 | 14 | 1766. | * 1 | 0515             | 64 | 5432. | * 1 | 0925 | 114                  | 10. | * 1 | 1335 | 164 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0110 | 15 | 1744. | * 1 | 0520             | 65 | 5105. | * 1 | 0930 | 115                  | 9.  | * 1 | 1340 | 165 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0115 | 16 | 1697. | * 1 | 0525             | 66 | 4737. | * 1 | 0935 | 116                  | 7.  | * 1 | 1345 | 166 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0120 | 17 | 1653. | * 1 | 0530             | 67 | 4358. | * 1 | 0940 | 117                  | 7.  | * 1 | 1350 | 167 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0125 | 18 | 1613. | * 1 | 0535             | 68 | 3980. | * 1 | 0945 | 118                  | 6.  | * 1 | 1355 | 168 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0130 | 19 | 1584. | * 1 | 0540             | 69 | 3621. | * 1 | 0950 | 119                  | 5.  | * 1 | 1400 | 169 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0135 | 20 | 1576. | * 1 | 0545             | 70 | 3299. | * 1 | 0955 | 120                  | 5.  | * 1 | 1405 | 170 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0140 | 21 | 1568. | * 1 | 0550             | 71 | 3020. | * 1 | 1000 | 121                  | 4.  | * 1 | 1410 | 171 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0145 | 22 | 1546. | * 1 | 0555             | 72 | 2786. | * 1 | 1005 | 122                  | 4.  | * 1 | 1415 | 172 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0150 | 23 | 1507. | * 1 | 0600             | 73 | 2593. | * 1 | 1010 | 123                  | 3.  | * 1 | 1420 | 173 | 0.               |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |
| 1                    | 0155 | 24 | 1446. | * 1 | 0605             | 74 | 2421. |     |      |                      |     |     |      |     |                  |  |  |  |  |                      |  |  |  |  |                  |  |  |  |  |

524

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0215 | 28 | 1037. | * | 1 | 0625 | 78  | 1747. | * | 1 | 1035 | 128 | 1. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 928.  | * | 1 | 0630 | 79  | 1565. | * | 1 | 1040 | 129 | 1. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 825.  | * | 1 | 0635 | 80  | 1384. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 730.  | * | 1 | 0640 | 81  | 1210. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 645.  | * | 1 | 0645 | 82  | 1050. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 569.  | * | 1 | 0650 | 83  | 905.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 503.  | * | 1 | 0655 | 84  | 779.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 453.  | * | 1 | 0700 | 85  | 670.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 422.  | * | 1 | 0705 | 86  | 576.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 423.  | * | 1 | 0710 | 87  | 495.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 468.  | * | 1 | 0715 | 88  | 427.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 581.  | * | 1 | 0720 | 89  | 368.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 775.  | * | 1 | 0725 | 90  | 317.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 1062. | * | 1 | 0730 | 91  | 274.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 1469. | * | 1 | 0735 | 92  | 237.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 2027. | * | 1 | 0740 | 93  | 205.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 2689. | * | 1 | 0745 | 94  | 178.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 3403. | * | 1 | 0750 | 95  | 155.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 4139. | * | 1 | 0755 | 96  | 135.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 4838. | * | 1 | 0800 | 97  | 117.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 5398. | * | 1 | 0805 | 98  | 102.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 5792. | * | 1 | 0810 | 99  | 90.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 6056. | * | 1 | 0815 | 100 | 79.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| (CFS)                |              |                      |       |       |          |
| + 6245.              | 4.25         | 2842.                | 1083. | 1083. | 1083.    |
| (INCHES)             |              | .808                 | .851  | .851  | .851     |
| (AC-FT)              |              | 1409.                | 1485. | 1485. | 1485.    |

CUMULATIVE AREA = 32.69 SQ MI



|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0145 | 22 | 780.  | * | 1 | 0555 | 72  | 1463. | * | 1 | 1005 | 122 | 2. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 763.  | * | 1 | 0600 | 73  | 1352. | * | 1 | 1010 | 123 | 1. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 732.  | * | 1 | 0605 | 74  | 1255. | * | 1 | 1015 | 124 | 1. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 688.  | * | 1 | 0610 | 75  | 1166. | * | 1 | 1020 | 125 | 1. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 634.  | * | 1 | 0615 | 76  | 1079. | * | 1 | 1025 | 126 | 1. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 572.  | * | 1 | 0620 | 77  | 990.  | * | 1 | 1030 | 127 | 1. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 507.  | * | 1 | 0625 | 78  | 899.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 444.  | * | 1 | 0630 | 79  | 806.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 385.  | * | 1 | 0635 | 80  | 713.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 333.  | * | 1 | 0640 | 81  | 623.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 287.  | * | 1 | 0645 | 82  | 541.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 247.  | * | 1 | 0650 | 83  | 466.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 213.  | * | 1 | 0655 | 84  | 401.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 184.  | * | 1 | 0700 | 85  | 344.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 163.  | * | 1 | 0705 | 86  | 296.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 155.  | * | 1 | 0710 | 87  | 255.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 164.  | * | 1 | 0715 | 88  | 219.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 207.  | * | 1 | 0720 | 89  | 189.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 297.  | * | 1 | 0725 | 90  | 163.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 445.  | * | 1 | 0730 | 91  | 140.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 674.  | * | 1 | 0735 | 92  | 121.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 1008. | * | 1 | 0740 | 93  | 105.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 1417. | * | 1 | 0745 | 94  | 91.   | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1869. | * | 1 | 0750 | 95  | 79.   | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 2343. | * | 1 | 0755 | 96  | 69.   | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 2797. | * | 1 | 0800 | 97  | 60.   | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 3161. | * | 1 | 0805 | 98  | 52.   | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 3413. | * | 1 | 0810 | 99  | 46.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 3576. | * | 1 | 0815 | 100 | 40.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW | TIME | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|------|----------------------|-------|-------|----------|
|           |      | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR) |                      |       |       |          |

527

HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .38

| *<br>DA MON HRMN ORD |      |    |      |   |   | *<br>FLOW * DA MON HRMN ORD |    |       |   |   |      | *<br>FLOW * DA MON HRMN ORD |     |   |   |      |     | *<br>FLOW * DA MON HRMN ORD |  |  |  |  |  |
|----------------------|------|----|------|---|---|-----------------------------|----|-------|---|---|------|-----------------------------|-----|---|---|------|-----|-----------------------------|--|--|--|--|--|
| 1                    | 0000 | 1  | 0.   | * | 1 | 0410                        | 51 | 2863. | * | 1 | 0820 | 101                         | 25. | * | 1 | 1230 | 151 | 0.                          |  |  |  |  |  |
| 1                    | 0005 | 2  | 0.   | * | 1 | 0415                        | 52 | 2869. | * | 1 | 0825 | 102                         | 22. | * | 1 | 1235 | 152 | 0.                          |  |  |  |  |  |
| 1                    | 0010 | 3  | 8.   | * | 1 | 0420                        | 53 | 2844. | * | 1 | 0830 | 103                         | 20. | * | 1 | 1240 | 153 | 0.                          |  |  |  |  |  |
| 1                    | 0015 | 4  | 25.  | * | 1 | 0425                        | 54 | 2802. | * | 1 | 0835 | 104                         | 17. | * | 1 | 1245 | 154 | 0.                          |  |  |  |  |  |
| 1                    | 0020 | 5  | 57.  | * | 1 | 0430                        | 55 | 2745. | * | 1 | 0840 | 105                         | 15. | * | 1 | 1250 | 155 | 0.                          |  |  |  |  |  |
| 1                    | 0025 | 6  | 113. | * | 1 | 0435                        | 56 | 2705. | * | 1 | 0845 | 106                         | 13. | * | 1 | 1255 | 156 | 0.                          |  |  |  |  |  |
| 1                    | 0030 | 7  | 191. | * | 1 | 0440                        | 57 | 2695. | * | 1 | 0850 | 107                         | 12. | * | 1 | 1300 | 157 | 0.                          |  |  |  |  |  |
| 1                    | 0035 | 8  | 282. | * | 1 | 0445                        | 58 | 2695. | * | 1 | 0855 | 108                         | 10. | * | 1 | 1305 | 158 | 0.                          |  |  |  |  |  |
| 1                    | 0040 | 9  | 378. | * | 1 | 0450                        | 59 | 2689. | * | 1 | 0900 | 109                         | 9.  | * | 1 | 1310 | 159 | 0.                          |  |  |  |  |  |
| 1                    | 0045 | 10 | 469. | * | 1 | 0455                        | 60 | 2673. | * | 1 | 0905 | 110                         | 7.  | * | 1 | 1315 | 160 | 0.                          |  |  |  |  |  |
| 1                    | 0050 | 11 | 541. | * | 1 | 0500                        | 61 | 2632. | * | 1 | 0910 | 111                         | 6.  | * | 1 | 1320 | 161 | 0.                          |  |  |  |  |  |
| 1                    | 0055 | 12 | 588. | * | 1 | 0505                        | 62 | 2560. | * | 1 | 0915 | 112                         | 5.  | * | 1 | 1325 | 162 | 0.                          |  |  |  |  |  |
| 1                    | 0100 | 13 | 612. | * | 1 | 0510                        | 63 | 2454. | * | 1 | 0920 | 113                         | 4.  | * | 1 | 1330 | 163 | 0.                          |  |  |  |  |  |
| 1                    | 0105 | 14 | 620. | * | 1 | 0515                        | 64 | 2311. | * | 1 | 0925 | 114                         | 3.  | * | 1 | 1335 | 164 | 0.                          |  |  |  |  |  |
| 1                    | 0110 | 15 | 611. | * | 1 | 0520                        | 65 | 2138. | * | 1 | 0930 | 115                         | 3.  | * | 1 | 1340 | 165 | 0.                          |  |  |  |  |  |



|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0115 | 16 | 593.  | * | 1 | 0525 | 66  | 1952. | * | 1 | 0935 | 116 | 2. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 576.  | * | 1 | 0530 | 67  | 1769. | * | 1 | 0940 | 117 | 2. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 558.  | * | 1 | 0535 | 68  | 1591. | * | 1 | 0945 | 118 | 2. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 545.  | * | 1 | 0540 | 69  | 1426. | * | 1 | 0950 | 119 | 1. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 542.  | * | 1 | 0545 | 70  | 1280. | * | 1 | 0955 | 120 | 1. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 540.  | * | 1 | 0550 | 71  | 1153. | * | 1 | 1000 | 121 | 1. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 535.  | * | 1 | 0555 | 72  | 1048. | * | 1 | 1005 | 122 | 1. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 524.  | * | 1 | 0600 | 73  | 963.  | * | 1 | 1010 | 123 | 1. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 505.  | * | 1 | 0605 | 74  | 890.  | * | 1 | 1015 | 124 | 1. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 476.  | * | 1 | 0610 | 75  | 823.  | * | 1 | 1020 | 125 | 1. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 440.  | * | 1 | 0615 | 76  | 759.  | * | 1 | 1025 | 126 | 1. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 398.  | * | 1 | 0620 | 77  | 695.  | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 354.  | * | 1 | 0625 | 78  | 630.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 310.  | * | 1 | 0630 | 79  | 565.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 269.  | * | 1 | 0635 | 80  | 499.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 233.  | * | 1 | 0640 | 81  | 437.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 201.  | * | 1 | 0645 | 82  | 378.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 173.  | * | 1 | 0650 | 83  | 326.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 149.  | * | 1 | 0655 | 84  | 280.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 129.  | * | 1 | 0700 | 85  | 241.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 113.  | * | 1 | 0705 | 86  | 207.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 106.  | * | 1 | 0710 | 87  | 178.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 109.  | * | 1 | 0715 | 88  | 153.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 136.  | * | 1 | 0720 | 89  | 131.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 198.  | * | 1 | 0725 | 90  | 113.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 305.  | * | 1 | 0730 | 91  | 98.   | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 476.  | * | 1 | 0735 | 92  | 84.   | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 735.  | * | 1 | 0740 | 93  | 73.   | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 1059. | * | 1 | 0745 | 94  | 63.   | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1421. | * | 1 | 0750 | 95  | 55.   | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1804. | * | 1 | 0755 | 96  | 48.   | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 2172. | * | 1 | 0800 | 97  | 42.   | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 2467. | * | 1 | 0805 | 98  | 36.   | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 2670. | * | 1 | 0810 | 99  | 32.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2798. | * | 1 | 0815 | 100 | 28.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |       |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 2869.   | 4.25     | 1169.                | 442.  | 442.  | 442.     |
|           | (INCHES) | .333                 | .348  | .348  | .348     |
|           | (AC-FT)  | 580.                 | 606.  | 606.  | 606.     |

CUMULATIVE AREA = 32.69 SQ MI

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .32

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| *  |      |      |      | *    |   |      |     | *     |     |      |      | *   |     |      |     | *    |     |    |     |      |     |      |
|----|------|------|------|------|---|------|-----|-------|-----|------|------|-----|-----|------|-----|------|-----|----|-----|------|-----|------|
| DA | MON  | HRMN | ORD  | FLOW | * | DA   | MON | HRMN  | ORD | FLOW | *    | DA  | MON | HRMN | ORD | FLOW | *   | DA | MON | HRMN | ORD | FLOW |
|    |      |      | *    |      |   |      |     |       | *   |      |      |     |     |      | *   |      |     |    |     |      | *   |      |
| 1  | 0000 | 1    | 0.   | *    | 1 | 0410 | 51  | 2088. | *   | 1    | 0820 | 101 | 15. | *    | 1   | 1230 | 151 | 0. |     |      |     |      |
| 1  | 0005 | 2    | 0.   | *    | 1 | 0415 | 52  | 2085. | *   | 1    | 0825 | 102 | 14. | *    | 1   | 1235 | 152 | 0. |     |      |     |      |
| 1  | 0010 | 3    | 4.   | *    | 1 | 0420 | 53  | 2061. | *   | 1    | 0830 | 103 | 12. | *    | 1   | 1240 | 153 | 0. |     |      |     |      |
| 1  | 0015 | 4    | 14.  | *    | 1 | 0425 | 54  | 2025. | *   | 1    | 0835 | 104 | 11. | *    | 1   | 1245 | 154 | 0. |     |      |     |      |
| 1  | 0020 | 5    | 30.  | *    | 1 | 0430 | 55  | 1979. | *   | 1    | 0840 | 105 | 9.  | *    | 1   | 1250 | 155 | 0. |     |      |     |      |
| 1  | 0025 | 6    | 61.  | *    | 1 | 0435 | 56  | 1949. | *   | 1    | 0845 | 106 | 8.  | *    | 1   | 1255 | 156 | 0. |     |      |     |      |
| 1  | 0030 | 7    | 105. | *    | 1 | 0440 | 57  | 1942. | *   | 1    | 0850 | 107 | 7.  | *    | 1   | 1300 | 157 | 0. |     |      |     |      |
| 1  | 0035 | 8    | 156. | *    | 1 | 0445 | 58  | 1941. | *   | 1    | 0855 | 108 | 6.  | *    | 1   | 1305 | 158 | 0. |     |      |     |      |

|   |      |    |      |   |   |      |    |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0040 | 9  | 211. | * | 1 | 0450 | 59 | 1935. | * | 1 | 0900 | 109 | 5. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 266. | * | 1 | 0455 | 60 | 1916. | * | 1 | 0905 | 110 | 4. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 310. | * | 1 | 0500 | 61 | 1875. | * | 1 | 0910 | 111 | 4. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 338. | * | 1 | 0505 | 62 | 1810. | * | 1 | 0915 | 112 | 3. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 353. | * | 1 | 0510 | 63 | 1718. | * | 1 | 0920 | 113 | 2. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 358. | * | 1 | 0515 | 64 | 1602. | * | 1 | 0925 | 114 | 2. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 353. | * | 1 | 0520 | 65 | 1466. | * | 1 | 0930 | 115 | 1. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 342. | * | 1 | 0525 | 66 | 1324. | * | 1 | 0935 | 116 | 1. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 332. | * | 1 | 0530 | 67 | 1187. | * | 1 | 0940 | 117 | 1. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 320. | * | 1 | 0535 | 68 | 1058. | * | 1 | 0945 | 118 | 1. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 311. | * | 1 | 0540 | 69 | 938.  | * | 1 | 0950 | 119 | 1. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 309. | * | 1 | 0545 | 70 | 834.  | * | 1 | 0955 | 120 | 1. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 309. | * | 1 | 0550 | 71 | 744.  | * | 1 | 1000 | 121 | 1. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 307. | * | 1 | 0555 | 72 | 669.  | * | 1 | 1005 | 122 | 1. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 302. | * | 1 | 0600 | 73 | 608.  | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 292. | * | 1 | 0605 | 74 | 555.  | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 277. | * | 1 | 0610 | 75 | 509.  | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 258. | * | 1 | 0615 | 76 | 466.  | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 235. | * | 1 | 0620 | 77 | 424.  | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 210. | * | 1 | 0625 | 78 | 383.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 184. | * | 1 | 0630 | 79 | 342.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 161. | * | 1 | 0635 | 80 | 302.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 140. | * | 1 | 0640 | 81 | 264.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 121. | * | 1 | 0645 | 82 | 229.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 104. | * | 1 | 0650 | 83 | 197.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 90.  | * | 1 | 0655 | 84 | 170.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 78.  | * | 1 | 0700 | 85 | 146.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 68.  | * | 1 | 0705 | 86 | 125.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 62.  | * | 1 | 0710 | 87 | 108.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 61.  | * | 1 | 0715 | 88 | 93.   | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 75.  | * | 1 | 0720 | 89 | 80.   | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 111. | * | 1 | 0725 | 90 | 69.   | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 178. | * | 1 | 0730 | 91 | 59.   | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 294. | * | 1 | 0735 | 92 | 51.   | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 481. | * | 1 | 0740 | 93 | 44.   | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 720. | * | 1 | 0745 | 94 | 38.   | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 994. | * | 1 | 0750 | 95 | 33.   | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |

|   |      |    |       |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0345 | 46 | 1287. | * | 1 | 0755 | 96  | 29. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1570. | * | 1 | 0800 | 97  | 25. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1797. | * | 1 | 0805 | 98  | 22. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1951. | * | 1 | 0810 | 99  | 19. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2045. | * | 1 | 0815 | 100 | 17. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW |       | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|----------------------|-------|-------|----------|
|           |       |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |                      |       |       |          |
|           |       | (CFS)    |                      |       |       |          |
| +         | 2088. | 4.17     | 796.                 | 300.  | 300.  | 300.     |
|           |       | (INCHES) | .226                 | .235  | .235  | .235     |
|           |       | (AC-FT)  | 395.                 | 410.  | 410.  | 410.     |

CUMULATIVE AREA = 32.69 SQ MI

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .26

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| *  |      |    |    | *   |      |      |    | *     |    |    |      |      |    |    |     |      |     |     |      |   |    |     |    |    |     |      |
|----|------|----|----|-----|------|------|----|-------|----|----|------|------|----|----|-----|------|-----|-----|------|---|----|-----|----|----|-----|------|
| DA | MON  | HR | MN | ORD | FLOW | *    | DA | MON   | HR | MN | ORD  | FLOW | *  | DA | MON | HR   | MN  | ORD | FLOW | * | DA | MON | HR | MN | ORD | FLOW |
| *  |      |    |    | *   |      |      |    | *     |    |    |      |      |    |    |     |      |     |     |      |   |    |     |    |    |     |      |
| 1  | 0000 | 1  | 0. | *   | 1    | 0410 | 51 | 1398. | *  | 1  | 0820 | 101  | 7. | *  | 1   | 1230 | 151 | 0.  |      |   |    |     |    |    |     |      |
| 1  | 0005 | 2  | 0. | *   | 1    | 0415 | 52 | 1392. | *  | 1  | 0825 | 102  | 6. | *  | 1   | 1235 | 152 | 0.  |      |   |    |     |    |    |     |      |

|   |      |    |      |   |   |      |    |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0010 | 3  | 2.   | * | 1 | 0420 | 53 | 1371. | * | 1 | 0830 | 103 | 5. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 5.   | * | 1 | 0425 | 54 | 1342. | * | 1 | 0835 | 104 | 5. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 11.  | * | 1 | 0430 | 55 | 1308. | * | 1 | 0840 | 105 | 4. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 23.  | * | 1 | 0435 | 56 | 1285. | * | 1 | 0845 | 106 | 4. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 41.  | * | 1 | 0440 | 57 | 1280. | * | 1 | 0850 | 107 | 3. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 62.  | * | 1 | 0445 | 58 | 1280. | * | 1 | 0855 | 108 | 3. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 86.  | * | 1 | 0450 | 59 | 1273. | * | 1 | 0900 | 109 | 2. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 110. | * | 1 | 0455 | 60 | 1255. | * | 1 | 0905 | 110 | 2. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 129. | * | 1 | 0500 | 61 | 1217. | * | 1 | 0910 | 111 | 2. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 141. | * | 1 | 0505 | 62 | 1160. | * | 1 | 0915 | 112 | 1. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 147. | * | 1 | 0510 | 63 | 1084. | * | 1 | 0920 | 113 | 1. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 148. | * | 1 | 0515 | 64 | 993.  | * | 1 | 0925 | 114 | 0. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 145. | * | 1 | 0520 | 65 | 891.  | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 139. | * | 1 | 0525 | 66 | 788.  | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 133. | * | 1 | 0530 | 67 | 691.  | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 127. | * | 1 | 0535 | 68 | 603.  | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 122. | * | 1 | 0540 | 69 | 524.  | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 121. | * | 1 | 0545 | 70 | 456.  | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 121. | * | 1 | 0550 | 71 | 398.  | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 121. | * | 1 | 0555 | 72 | 350.  | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 121. | * | 1 | 0600 | 73 | 310.  | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 118. | * | 1 | 0605 | 74 | 277.  | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 114. | * | 1 | 0610 | 75 | 248.  | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 107. | * | 1 | 0615 | 76 | 222.  | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 99.  | * | 1 | 0620 | 77 | 198.  | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 89.  | * | 1 | 0625 | 78 | 176.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 79.  | * | 1 | 0630 | 79 | 156.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 70.  | * | 1 | 0635 | 80 | 136.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 61.  | * | 1 | 0640 | 81 | 119.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 53.  | * | 1 | 0645 | 82 | 103.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 46.  | * | 1 | 0650 | 83 | 88.   | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 40.  | * | 1 | 0655 | 84 | 75.   | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 35.  | * | 1 | 0700 | 85 | 65.   | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 31.  | * | 1 | 0705 | 86 | 56.   | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 28.  | * | 1 | 0710 | 87 | 48.   | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 26.  | * | 1 | 0715 | 88 | 41.   | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 33.  | * | 1 | 0720 | 89 | 35.   | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |

|   |      |    |       |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0315 | 40 | 52.   | * | 1 | 0725 | 90  | 30. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 89.   | * | 1 | 0730 | 91  | 26. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 160.  | * | 1 | 0735 | 92  | 23. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 281.  | * | 1 | 0740 | 93  | 20. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 442.  | * | 1 | 0745 | 94  | 17. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 630.  | * | 1 | 0750 | 95  | 15. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 836.  | * | 1 | 0755 | 96  | 13. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1037. | * | 1 | 0800 | 97  | 11. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1198. | * | 1 | 0805 | 98  | 10. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1307. | * | 1 | 0810 | 99  | 9.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1372. | * | 1 | 0815 | 100 | 8.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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533

| + (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|---------|--------------|----------------------|-------|-------|----------|
|         |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + 1398. | 4.17         | 478.                 | 178.  | 178.  | 178.     |
|         | (INCHES)     | .136                 | .140  | .140  | .140     |
|         | (AC-FT)      | 237.                 | 244.  | 244.  | 244.     |

CUMULATIVE AREA = 32.69 SQ MI

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95 KK * CFplain *
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534

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[illegible]

|   |      |    |       |   |   |      |    |       |   |   |      |     |     |   |   |      |     |    |
|---|------|----|-------|---|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0100 | 13 | 1625. | * | 1 | 0510 | 63 | 8163. | * | 1 | 0920 | 113 | 69. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 1841. | * | 1 | 0515 | 64 | 8254. | * | 1 | 0925 | 114 | 61. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 1992. | * | 1 | 0520 | 65 | 8329. | * | 1 | 0930 | 115 | 53. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 2078. | * | 1 | 0525 | 66 | 8362. | * | 1 | 0935 | 116 | 47. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 2120. | * | 1 | 0530 | 67 | 8333. | * | 1 | 0940 | 117 | 41. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 2134. | * | 1 | 0535 | 68 | 8232. | * | 1 | 0945 | 118 | 36. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 2135. | * | 1 | 0540 | 69 | 8064. | * | 1 | 0950 | 119 | 31. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 2132. | * | 1 | 0545 | 70 | 7838. | * | 1 | 0955 | 120 | 27. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 2127. | * | 1 | 0550 | 71 | 7564. | * | 1 | 1000 | 121 | 23. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 2118. | * | 1 | 0555 | 72 | 7249. | * | 1 | 1005 | 122 | 20. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 2102. | * | 1 | 0600 | 73 | 6902. | * | 1 | 1010 | 123 | 17. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 2077. | * | 1 | 0605 | 74 | 6529. | * | 1 | 1015 | 124 | 15. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 2044. | * | 1 | 0610 | 75 | 6136. | * | 1 | 1020 | 125 | 12. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 2005. | * | 1 | 0615 | 76 | 5727. | * | 1 | 1025 | 126 | 11. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 1959. | * | 1 | 0620 | 77 | 5314. | * | 1 | 1030 | 127 | 9.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 1912. | * | 1 | 0625 | 78 | 4906. | * | 1 | 1035 | 128 | 8.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 1870. | * | 1 | 0630 | 79 | 4511. | * | 1 | 1040 | 129 | 7.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 1831. | * | 1 | 0635 | 80 | 4136. | * | 1 | 1045 | 130 | 6.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 1796. | * | 1 | 0640 | 81 | 3788. | * | 1 | 1050 | 131 | 5.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 1756. | * | 1 | 0645 | 82 | 3470. | * | 1 | 1055 | 132 | 4.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 1710. | * | 1 | 0650 | 83 | 3182. | * | 1 | 1100 | 133 | 4.  | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 1651. | * | 1 | 0655 | 84 | 2922. | * | 1 | 1105 | 134 | 3.  | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 1578. | * | 1 | 0700 | 85 | 2686. | * | 1 | 1110 | 135 | 3.  | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 1494. | * | 1 | 0705 | 86 | 2468. | * | 1 | 1115 | 136 | 2.  | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 1405. | * | 1 | 0710 | 87 | 2263. | * | 1 | 1120 | 137 | 2.  | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 1320. | * | 1 | 0715 | 88 | 2066. | * | 1 | 1125 | 138 | 2.  | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 1257. | * | 1 | 0720 | 89 | 1876. | * | 1 | 1130 | 139 | 1.  | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 1233. | * | 1 | 0725 | 90 | 1691. | * | 1 | 1135 | 140 | 1.  | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 1267. | * | 1 | 0730 | 91 | 1513. | * | 1 | 1140 | 141 | 1.  | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 1388. | * | 1 | 0735 | 92 | 1343. | * | 1 | 1145 | 142 | 0.  | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 1625. | * | 1 | 0740 | 93 | 1183. | * | 1 | 1150 | 143 | 0.  | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 1985. | * | 1 | 0745 | 94 | 1036. | * | 1 | 1155 | 144 | 0.  | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 2469. | * | 1 | 0750 | 95 | 903.  | * | 1 | 1200 | 145 | 0.  | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 3080. | * | 1 | 0755 | 96 | 783.  | * | 1 | 1205 | 146 | 0.  | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 3812. | * | 1 | 0800 | 97 | 677.  | * | 1 | 1210 | 147 | 0.  | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 4631. | * | 1 | 0805 | 98 | 584.  | * | 1 | 1215 | 148 | 0.  | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 5462. | * | 1 | 0810 | 99 | 503.  | * | 1 | 1220 | 149 | 0.  | * | 1 | 1630 | 199 | 0. |



1 0405 50 6220. \* 1 0815 100 433. \* 1 1225 150 0. \* 1 1635 200 0.  
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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 8362.   | 5.42     | 4398.                | 1728. | 1728. | 1728.    |
|           | (INCHES) | .776                 | .843  | .843  | .843     |
|           | (AC-FT)  | 2181.                | 2369. | 2369. | 2369.    |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .44

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| DA | MON  | HRMN | ORD | FLOW | * | DA   | MON | HRMN  | ORD | FLOW | *    | DA  | MON  | HRMN | ORD | FLOW | *   | DA | MON | HRMN | ORD | FLOW |
|----|------|------|-----|------|---|------|-----|-------|-----|------|------|-----|------|------|-----|------|-----|----|-----|------|-----|------|
|    |      |      |     |      | * |      |     |       |     |      | *    |     |      |      |     |      | *   |    |     |      |     |      |
| 1  | 0000 | 1    | 0.  | *    | 1 | 0410 | 51  | 3949. | *   | 1    | 0820 | 101 | 191. | *    | 1   | 1230 | 151 | 0. |     |      |     |      |
| 1  | 0005 | 2    | 0.  | *    | 1 | 0415 | 52  | 4247. | *   | 1    | 0825 | 102 | 165. | *    | 1   | 1235 | 152 | 0. |     |      |     |      |
| 1  | 0010 | 3    | 3.  | *    | 1 | 0420 | 53  | 4445. | *   | 1    | 0830 | 103 | 142. | *    | 1   | 1240 | 153 | 0. |     |      |     |      |
| 1  | 0015 | 4    | 10. | *    | 1 | 0425 | 54  | 4560. | *   | 1    | 0835 | 104 | 123. | *    | 1   | 1245 | 154 | 0. |     |      |     |      |
| 1  | 0020 | 5    | 22. | *    | 1 | 0430 | 55  | 4613. | *   | 1    | 0840 | 105 | 107. | *    | 1   | 1250 | 155 | 0. |     |      |     |      |
| 1  | 0025 | 6    | 47. | *    | 1 | 0435 | 56  | 4630. | *   | 1    | 0845 | 106 | 92.  | *    | 1   | 1255 | 156 | 0. |     |      |     |      |

|   |      |    |       |   |   |      |    |       |   |   |      |     |     |   |   |      |     |    |
|---|------|----|-------|---|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0030 | 7  | 87.   | * | 1 | 0440 | 57 | 4634. | * | 1 | 0850 | 107 | 80. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 148.  | * | 1 | 0445 | 58 | 4632. | * | 1 | 0855 | 108 | 70. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 237.  | * | 1 | 0450 | 59 | 4624. | * | 1 | 0900 | 109 | 61. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 355.  | * | 1 | 0455 | 60 | 4613. | * | 1 | 0905 | 110 | 53. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 496.  | * | 1 | 0500 | 61 | 4611. | * | 1 | 0910 | 111 | 46. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 646.  | * | 1 | 0505 | 62 | 4625. | * | 1 | 0915 | 112 | 40. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 785.  | * | 1 | 0510 | 63 | 4648. | * | 1 | 0920 | 113 | 35. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 900.  | * | 1 | 0515 | 64 | 4673. | * | 1 | 0925 | 114 | 31. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 982.  | * | 1 | 0520 | 65 | 4693. | * | 1 | 0930 | 115 | 27. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 1032. | * | 1 | 0525 | 66 | 4696. | * | 1 | 0935 | 116 | 24. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 1058. | * | 1 | 0530 | 67 | 4671. | * | 1 | 0940 | 117 | 21. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 1069. | * | 1 | 0535 | 68 | 4611. | * | 1 | 0945 | 118 | 18. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 1072. | * | 1 | 0540 | 69 | 4515. | * | 1 | 0950 | 119 | 16. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 1073. | * | 1 | 0545 | 70 | 4390. | * | 1 | 0955 | 120 | 14. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 1073. | * | 1 | 0550 | 71 | 4236. | * | 1 | 1000 | 121 | 12. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 1070. | * | 1 | 0555 | 72 | 4057. | * | 1 | 1005 | 122 | 10. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 1063. | * | 1 | 0600 | 73 | 3858. | * | 1 | 1010 | 123 | 9.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 1051. | * | 1 | 0605 | 74 | 3641. | * | 1 | 1015 | 124 | 7.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 1034. | * | 1 | 0610 | 75 | 3409. | * | 1 | 1020 | 125 | 6.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 1012. | * | 1 | 0615 | 76 | 3168. | * | 1 | 1025 | 126 | 5.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 985.  | * | 1 | 0620 | 77 | 2925. | * | 1 | 1030 | 127 | 4.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 957.  | * | 1 | 0625 | 78 | 2684. | * | 1 | 1035 | 128 | 4.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 930.  | * | 1 | 0630 | 79 | 2452. | * | 1 | 1040 | 129 | 3.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 902.  | * | 1 | 0635 | 80 | 2233. | * | 1 | 1045 | 130 | 3.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 875.  | * | 1 | 0640 | 81 | 2030. | * | 1 | 1050 | 131 | 2.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 848.  | * | 1 | 0645 | 82 | 1846. | * | 1 | 1055 | 132 | 2.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 819.  | * | 1 | 0650 | 83 | 1682. | * | 1 | 1100 | 133 | 2.  | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 786.  | * | 1 | 0655 | 84 | 1535. | * | 1 | 1105 | 134 | 2.  | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 747.  | * | 1 | 0700 | 85 | 1403. | * | 1 | 1110 | 135 | 1.  | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 703.  | * | 1 | 0705 | 86 | 1283. | * | 1 | 1115 | 136 | 1.  | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 656.  | * | 1 | 0710 | 87 | 1172. | * | 1 | 1120 | 137 | 1.  | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 609.  | * | 1 | 0715 | 88 | 1067. | * | 1 | 1125 | 138 | 1.  | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 570.  | * | 1 | 0720 | 89 | 967.  | * | 1 | 1130 | 139 | 1.  | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 547.  | * | 1 | 0725 | 90 | 871.  | * | 1 | 1135 | 140 | 0.  | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 552.  | * | 1 | 0730 | 91 | 778.  | * | 1 | 1140 | 141 | 0.  | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 602.  | * | 1 | 0735 | 92 | 691.  | * | 1 | 1145 | 142 | 0.  | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 722.  | * | 1 | 0740 | 93 | 608.  | * | 1 | 1150 | 143 | 0.  | * | 1 | 1600 | 193 | 0. |

|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0335 | 44 | 918.  | * | 1 | 0745 | 94  | 533. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1196. | * | 1 | 0750 | 95  | 464. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1562. | * | 1 | 0755 | 96  | 402. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 2013. | * | 1 | 0800 | 97  | 347. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 2529. | * | 1 | 0805 | 98  | 299. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 3060. | * | 1 | 0810 | 99  | 258. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 3546. | * | 1 | 0815 | 100 | 222. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |      |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 4696.   | 5.42     | 2416.                | 943.  | 943.  | 943.     |
|           | (INCHES) | .426                 | .460  | .460  | .460     |
|           | (AC-FT)  | 1198.                | 1292. | 1292. | 1292.    |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .38

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|                 |        |                 |        |                 |        |                 |      |
|-----------------|--------|-----------------|--------|-----------------|--------|-----------------|------|
| *               | *      | *               |        |                 |        |                 |      |
| DA MON HRMN ORD | FLOW * | DA MON HRMN ORD | FLOW * | DA MON HRMN ORD | FLOW * | DA MON HRMN ORD | FLOW |
| *               | *      | *               |        |                 |        |                 |      |

|   |      |    |      |   |   |      |    |       |   |   |      |     |      |   |   |      |     |    |
|---|------|----|------|---|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|
| 1 | 0000 | 1  | 0.   | * | 1 | 0410 | 51 | 3062. | * | 1 | 0820 | 101 | 133. | * | 1 | 1230 | 151 | 0. |
| 1 | 0005 | 2  | 0.   | * | 1 | 0415 | 52 | 3300. | * | 1 | 0825 | 102 | 115. | * | 1 | 1235 | 152 | 0. |
| 1 | 0010 | 3  | 2.   | * | 1 | 0420 | 53 | 3456. | * | 1 | 0830 | 103 | 99.  | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 6.   | * | 1 | 0425 | 54 | 3543. | * | 1 | 0835 | 104 | 85.  | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 13.  | * | 1 | 0430 | 55 | 3580. | * | 1 | 0840 | 105 | 74.  | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 28.  | * | 1 | 0435 | 56 | 3588. | * | 1 | 0845 | 106 | 64.  | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 54.  | * | 1 | 0440 | 57 | 3588. | * | 1 | 0850 | 107 | 56.  | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 93.  | * | 1 | 0445 | 58 | 3584. | * | 1 | 0855 | 108 | 48.  | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 150. | * | 1 | 0450 | 59 | 3574. | * | 1 | 0900 | 109 | 42.  | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 227. | * | 1 | 0455 | 60 | 3560. | * | 1 | 0905 | 110 | 37.  | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 320. | * | 1 | 0500 | 61 | 3549. | * | 1 | 0910 | 111 | 32.  | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 423. | * | 1 | 0505 | 62 | 3547. | * | 1 | 0915 | 112 | 28.  | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 519. | * | 1 | 0510 | 63 | 3550. | * | 1 | 0920 | 113 | 25.  | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 601. | * | 1 | 0515 | 64 | 3554. | * | 1 | 0925 | 114 | 22.  | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 660. | * | 1 | 0520 | 65 | 3554. | * | 1 | 0930 | 115 | 19.  | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 698. | * | 1 | 0525 | 66 | 3545. | * | 1 | 0935 | 116 | 17.  | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 718. | * | 1 | 0530 | 67 | 3517. | * | 1 | 0940 | 117 | 15.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 728. | * | 1 | 0535 | 68 | 3467. | * | 1 | 0945 | 118 | 13.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 731. | * | 1 | 0540 | 69 | 3393. | * | 1 | 0950 | 119 | 11.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 733. | * | 1 | 0545 | 70 | 3297. | * | 1 | 0955 | 120 | 10.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 734. | * | 1 | 0550 | 71 | 3181. | * | 1 | 1000 | 121 | 8.   | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 733. | * | 1 | 0555 | 72 | 3044. | * | 1 | 1005 | 122 | 7.   | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 729. | * | 1 | 0600 | 73 | 2891. | * | 1 | 1010 | 123 | 6.   | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 721. | * | 1 | 0605 | 74 | 2723. | * | 1 | 1015 | 124 | 5.   | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 709. | * | 1 | 0610 | 75 | 2543. | * | 1 | 1020 | 125 | 4.   | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 694. | * | 1 | 0615 | 76 | 2356. | * | 1 | 1025 | 126 | 3.   | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 676. | * | 1 | 0620 | 77 | 2166. | * | 1 | 1030 | 127 | 3.   | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 657. | * | 1 | 0625 | 78 | 1979. | * | 1 | 1035 | 128 | 2.   | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 637. | * | 1 | 0630 | 79 | 1800. | * | 1 | 1040 | 129 | 2.   | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 618. | * | 1 | 0635 | 80 | 1630. | * | 1 | 1045 | 130 | 2.   | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 600. | * | 1 | 0640 | 81 | 1475. | * | 1 | 1050 | 131 | 1.   | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 582. | * | 1 | 0645 | 82 | 1334. | * | 1 | 1055 | 132 | 1.   | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 562. | * | 1 | 0650 | 83 | 1209. | * | 1 | 1100 | 133 | 1.   | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 540. | * | 1 | 0655 | 84 | 1098. | * | 1 | 1105 | 134 | 1.   | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 515. | * | 1 | 0700 | 85 | 999.  | * | 1 | 1110 | 135 | 1.   | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 485. | * | 1 | 0705 | 86 | 910.  | * | 1 | 1115 | 136 | 1.   | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 453. | * | 1 | 0710 | 87 | 828.  | * | 1 | 1120 | 137 | 1.   | * | 1 | 1530 | 187 | 0. |

|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0305 | 38 | 420.  | * | 1 | 0715 | 88  | 752. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 392.  | * | 1 | 0720 | 89  | 680. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 375.  | * | 1 | 0725 | 90  | 611. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 376.  | * | 1 | 0730 | 91  | 546. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 411.  | * | 1 | 0735 | 92  | 484. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 497.  | * | 1 | 0740 | 93  | 426. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 644.  | * | 1 | 0745 | 94  | 372. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 857.  | * | 1 | 0750 | 95  | 324. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1141. | * | 1 | 0755 | 96  | 281. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1498. | * | 1 | 0800 | 97  | 242. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1911. | * | 1 | 0805 | 98  | 208. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 2341. | * | 1 | 0810 | 99  | 179. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2736. | * | 1 | 0815 | 100 | 154. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *    |   |   | *    |     |    |   |   |      |     |    |

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540

| PEAK FLOW |       | TIME     |  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|--|----------------------|-------|-------|----------|
|           |       |          |  | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |  |                      |       |       |          |
|           |       | (CFS)    |  |                      |       |       |          |
| +         | 3588. | 4.58     |  | 1804.                | 699.  | 699.  | 699.     |
|           |       | (INCHES) |  | .318                 | .341  | .341  | .341     |
|           |       | (AC-FT)  |  | 894.                 | 959.  | 959.  | 959.     |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .32



|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0235 | 32 | 335.  | * | 1 | 0645 | 82  | 864. | * | 1 | 1055 | 132 | 1. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 324.  | * | 1 | 0650 | 83  | 776. | * | 1 | 1100 | 133 | 1. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 313.  | * | 1 | 0655 | 84  | 698. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 299.  | * | 1 | 0700 | 85  | 629. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 283.  | * | 1 | 0705 | 86  | 568. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 265.  | * | 1 | 0710 | 87  | 514. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 246.  | * | 1 | 0715 | 88  | 464. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 229.  | * | 1 | 0720 | 89  | 417. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 219.  | * | 1 | 0725 | 90  | 373. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 220.  | * | 1 | 0730 | 91  | 332. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 242.  | * | 1 | 0735 | 92  | 294. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 300.  | * | 1 | 0740 | 93  | 258. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 400.  | * | 1 | 0745 | 94  | 225. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 549.  | * | 1 | 0750 | 95  | 196. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 755.  | * | 1 | 0755 | 96  | 170. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1019. | * | 1 | 0800 | 97  | 146. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1331. | * | 1 | 0805 | 98  | 126. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1660. | * | 1 | 0810 | 99  | 108. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1965. | * | 1 | 0815 | 100 | 93.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |      |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|                      | (CFS)        |                      |       |       |          |
| + 2591.              | 4.58         | 1230.                | 472.  | 472.  | 472.     |
|                      | (INCHES)     | .217                 | .230  | .230  | .230     |
|                      | (AC-FT)      | 610.                 | 647.  | 647.  | 647.     |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CF<sub>plain</sub>  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .26

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| *<br>DA MON HRMN ORD |      |    |      |   |   | *<br>FLOW * DA MON HRMN ORD |    |       |   |   |      | *<br>FLOW * DA MON HRMN ORD |     |   |   |      |     | *<br>FLOW * DA MON HRMN ORD |  |  |  |  |  |
|----------------------|------|----|------|---|---|-----------------------------|----|-------|---|---|------|-----------------------------|-----|---|---|------|-----|-----------------------------|--|--|--|--|--|
| *<br>*               |      |    |      |   |   | *<br>*                      |    |       |   |   |      | *<br>*                      |     |   |   |      |     | *<br>*                      |  |  |  |  |  |
| 1                    | 0000 | 1  | 0.   | * | 1 | 0410                        | 51 | 1460. | * | 1 | 0820 | 101                         | 35. | * | 1 | 1230 | 151 | 0.                          |  |  |  |  |  |
| 1                    | 0005 | 2  | 0.   | * | 1 | 0415                        | 52 | 1589. | * | 1 | 0825 | 102                         | 30. | * | 1 | 1235 | 152 | 0.                          |  |  |  |  |  |
| 1                    | 0010 | 3  | 0.   | * | 1 | 0420                        | 53 | 1668. | * | 1 | 0830 | 103                         | 26. | * | 1 | 1240 | 153 | 0.                          |  |  |  |  |  |
| 1                    | 0015 | 4  | 0.   | * | 1 | 0425                        | 54 | 1706. | * | 1 | 0835 | 104                         | 23. | * | 1 | 1245 | 154 | 0.                          |  |  |  |  |  |
| 1                    | 0020 | 5  | 1.   | * | 1 | 0430                        | 55 | 1717. | * | 1 | 0840 | 105                         | 19. | * | 1 | 1250 | 155 | 0.                          |  |  |  |  |  |
| 1                    | 0025 | 6  | 3.   | * | 1 | 0435                        | 56 | 1714. | * | 1 | 0845 | 106                         | 17. | * | 1 | 1255 | 156 | 0.                          |  |  |  |  |  |
| 1                    | 0030 | 7  | 6.   | * | 1 | 0440                        | 57 | 1708. | * | 1 | 0850 | 107                         | 15. | * | 1 | 1300 | 157 | 0.                          |  |  |  |  |  |
| 1                    | 0035 | 8  | 11.  | * | 1 | 0445                        | 58 | 1703. | * | 1 | 0855 | 108                         | 13. | * | 1 | 1305 | 158 | 0.                          |  |  |  |  |  |
| 1                    | 0040 | 9  | 19.  | * | 1 | 0450                        | 59 | 1695. | * | 1 | 0900 | 109                         | 11. | * | 1 | 1310 | 159 | 0.                          |  |  |  |  |  |
| 1                    | 0045 | 10 | 32.  | * | 1 | 0455                        | 60 | 1683. | * | 1 | 0905 | 110                         | 10. | * | 1 | 1315 | 160 | 0.                          |  |  |  |  |  |
| 1                    | 0050 | 11 | 50.  | * | 1 | 0500                        | 61 | 1667. | * | 1 | 0910 | 111                         | 9.  | * | 1 | 1320 | 161 | 0.                          |  |  |  |  |  |
| 1                    | 0055 | 12 | 72.  | * | 1 | 0505                        | 62 | 1648. | * | 1 | 0915 | 112                         | 8.  | * | 1 | 1325 | 162 | 0.                          |  |  |  |  |  |
| 1                    | 0100 | 13 | 95.  | * | 1 | 0510                        | 63 | 1626. | * | 1 | 0920 | 113                         | 7.  | * | 1 | 1330 | 163 | 0.                          |  |  |  |  |  |
| 1                    | 0105 | 14 | 116. | * | 1 | 0515                        | 64 | 1600. | * | 1 | 0925 | 114                         | 6.  | * | 1 | 1335 | 164 | 0.                          |  |  |  |  |  |
| 1                    | 0110 | 15 | 134. | * | 1 | 0520                        | 65 | 1571. | * | 1 | 0930 | 115                         | 5.  | * | 1 | 1340 | 165 | 0.                          |  |  |  |  |  |
| 1                    | 0115 | 16 | 146. | * | 1 | 0525                        | 66 | 1541. | * | 1 | 0935 | 116                         | 5.  | * | 1 | 1345 | 166 | 0.                          |  |  |  |  |  |
| 1                    | 0120 | 17 | 154. | * | 1 | 0530                        | 67 | 1509. | * | 1 | 0940 | 117                         | 4.  | * | 1 | 1350 | 167 | 0.                          |  |  |  |  |  |
| 1                    | 0125 | 18 | 159. | * | 1 | 0535                        | 68 | 1474. | * | 1 | 0945 | 118                         | 4.  | * | 1 | 1355 | 168 | 0.                          |  |  |  |  |  |
| 1                    | 0130 | 19 | 162. | * | 1 | 0540                        | 69 | 1435. | * | 1 | 0950 | 119                         | 3.  | * | 1 | 1400 | 169 | 0.                          |  |  |  |  |  |
| 1                    | 0135 | 20 | 164. | * | 1 | 0545                        | 70 | 1390. | * | 1 | 0955 | 120                         | 3.  | * | 1 | 1405 | 170 | 0.                          |  |  |  |  |  |
| 1                    | 0140 | 21 | 166. | * | 1 | 0550                        | 71 | 1338. | * | 1 | 1000 | 121                         | 2.  | * | 1 | 1410 | 171 | 0.                          |  |  |  |  |  |
| 1                    | 0145 | 22 | 168. | * | 1 | 0555                        | 72 | 1276. | * | 1 | 1005 | 122                         | 2.  | * | 1 | 1415 | 172 | 0.                          |  |  |  |  |  |
| 1                    | 0150 | 23 | 168. | * | 1 | 0600                        | 73 | 1205. | * | 1 | 1010 | 123                         | 1.  | * | 1 | 1420 | 173 | 0.                          |  |  |  |  |  |



|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 167.  | * | 1 | 0605 | 74  | 1126. | * | 1 | 1015 | 124 | 1. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 164.  | * | 1 | 0610 | 75  | 1039. | * | 1 | 1020 | 125 | 1. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 161.  | * | 1 | 0615 | 76  | 948.  | * | 1 | 1025 | 126 | 1. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 156.  | * | 1 | 0620 | 77  | 857.  | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 151.  | * | 1 | 0625 | 78  | 767.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 146.  | * | 1 | 0630 | 79  | 681.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 141.  | * | 1 | 0635 | 80  | 602.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 137.  | * | 1 | 0640 | 81  | 530.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 133.  | * | 1 | 0645 | 82  | 466.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 130.  | * | 1 | 0650 | 83  | 410.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 126.  | * | 1 | 0655 | 84  | 361.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 121.  | * | 1 | 0700 | 85  | 319.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 116.  | * | 1 | 0705 | 86  | 282.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 109.  | * | 1 | 0710 | 87  | 250.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 102.  | * | 1 | 0715 | 88  | 222.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 96.   | * | 1 | 0720 | 89  | 197.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 93.   | * | 1 | 0725 | 90  | 174.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 96.   | * | 1 | 0730 | 91  | 153.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 111.  | * | 1 | 0735 | 92  | 134.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 147.  | * | 1 | 0740 | 93  | 117.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 210.  | * | 1 | 0745 | 94  | 101.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 306.  | * | 1 | 0750 | 95  | 88.   | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 440.  | * | 1 | 0755 | 96  | 75.   | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 618.  | * | 1 | 0800 | 97  | 65.   | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 832.  | * | 1 | 0805 | 98  | 56.   | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1063. | * | 1 | 0810 | 99  | 48.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1281. | * | 1 | 0815 | 100 | 41.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------------------|-------|-------|----------|
|           |       | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)  |                      |       |       |          |
|           | (CFS) |                      |       |       |          |
| + 1717.   | 4.50  | 741.                 | 279.  | 279.  | 279.     |

(INCHES) .131 .136 .136 .136  
(AC-FT) 367. 382. 382. 382.

CUMULATIVE AREA = 52.71 SQ MI

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\* \*  
109 KK \* HVal \*  
\* \*  
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545

116 KO OUTPUT CONTROL VARIABLES  
IPRNT 2 PRINT CONTROL  
IPLOT 0 PLOT CONTROL  
QSCAL 0. HYDROGRAPH PLOT SCALE

SUBBASIN RUNOFF DATA

111 BA SUBBASIN CHARACTERISTICS  
TAREA 11.14 SUBBASIN AREA

PRECIPITATION DATA

112 PB STORM 3.02 BASIN TOTAL PRECIPITATION

39 PI INCREMENTAL PRECIPITATION PATTERN  
.02 .04 .02 .03 .03 .01 .01 .01 .00 .01  
.00 .01 .00 .01 .01 .01 .01 .01 .01 .01  
.01 .01 .02 .01 .01 .00 .00 .00 .01 .00  
.01 .01 .01 .02 .02 .03 .02 .05 .04 .05  
.07 .08 .01 .01 .02 .03 .01 .00 .01 .01

.01 .01 .01 .02 .03 .02 .03 .03 .00 .00  
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00  
.00 .00

114 LG GREEN AND AMPT LOSS RATE  
STRTL .05 STARTING LOSS  
DTH .00 MOISTURE DEFICIT  
PSIF .00 WETTING FRONT SUCTION  
XKSAT .28 HYDRAULIC CONDUCTIVITY  
RTIMP .63 PERCENT IMPERVIOUS AREA

115 UD SCS DIMENSIONLESS UNITGRAPH  
TLAG .86 LAG

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UNIT HYDROGRAPH  
54 END-OF-PERIOD ORDINATES

165. 533. 1012. 1633. 2443. 3423. 4387. 5151. 5663. 5922.  
5957. 5875. 5543. 5157. 4720. 4184. 3548. 2962. 2511. 2154.  
1847. 1598. 1397. 1203. 1037. 874. 763. 653. 567. 484.  
417. 356. 306. 264. 227. 197. 168. 146. 125. 108.  
91. 80. 69. 61. 54. 48. 41. 34. 28. 23.  
17. 12. 6. 1.

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HYDROGRAPH AT STATION HVal

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\*  
DA MON HRMN ORD RAIN LOSS EXCESS COMP Q \* DA MON HRMN ORD RAIN LOSS EXCESS COMP Q  
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|   |      |    |     |     |     |       |   |   |      |     |     |     |     |     |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|-----|
| 1 | 0000 | 1  | .00 | .00 | .00 | 0.    | * | 1 | 0820 | 101 | .00 | .00 | .00 | 16. |
| 1 | 0005 | 2  | .06 | .05 | .01 | 1.    | * | 1 | 0825 | 102 | .00 | .00 | .00 | 14. |
| 1 | 0010 | 3  | .12 | .02 | .09 | 20.   | * | 1 | 0830 | 103 | .00 | .00 | .00 | 12. |
| 1 | 0015 | 4  | .06 | .02 | .04 | 65.   | * | 1 | 0835 | 104 | .00 | .00 | .00 | 10. |
| 1 | 0020 | 5  | .09 | .02 | .07 | 141.  | * | 1 | 0840 | 105 | .00 | .00 | .00 | 8.  |
| 1 | 0025 | 6  | .10 | .02 | .08 | 263.  | * | 1 | 0845 | 106 | .00 | .00 | .00 | 6.  |
| 1 | 0030 | 7  | .02 | .02 | .00 | 434.  | * | 1 | 0850 | 107 | .00 | .00 | .00 | 5.  |
| 1 | 0035 | 8  | .03 | .02 | .01 | 647.  | * | 1 | 0855 | 108 | .00 | .00 | .00 | 3.  |
| 1 | 0040 | 9  | .02 | .02 | .00 | 891.  | * | 1 | 0900 | 109 | .00 | .00 | .00 | 2.  |
| 1 | 0045 | 10 | .01 | .01 | .00 | 1141. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 1.  |
| 1 | 0050 | 11 | .03 | .02 | .00 | 1371. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0.  |
| 1 | 0055 | 12 | .01 | .01 | .00 | 1553. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0.  |
| 1 | 0100 | 13 | .02 | .02 | .00 | 1672. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0.  |
| 1 | 0105 | 14 | .01 | .01 | .00 | 1733. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0.  |
| 1 | 0110 | 15 | .02 | .02 | .00 | 1728. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0.  |
| 1 | 0115 | 16 | .02 | .02 | .00 | 1681. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0.  |
| 1 | 0120 | 17 | .02 | .02 | .00 | 1598. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0.  |
| 1 | 0125 | 18 | .03 | .02 | .01 | 1478. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0.  |
| 1 | 0130 | 19 | .03 | .02 | .01 | 1338. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0.  |
| 1 | 0135 | 20 | .03 | .02 | .01 | 1190. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0.  |
| 1 | 0140 | 21 | .03 | .02 | .00 | 1045. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0.  |
| 1 | 0145 | 22 | .03 | .02 | .00 | 916.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0.  |
| 1 | 0150 | 23 | .02 | .02 | .00 | 811.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0.  |
| 1 | 0155 | 24 | .05 | .02 | .02 | 738.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0.  |
| 1 | 0200 | 25 | .03 | .02 | .01 | 690.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0.  |
| 1 | 0205 | 26 | .03 | .02 | .01 | 656.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0.  |
| 1 | 0210 | 27 | .02 | .02 | .00 | 633.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0.  |
| 1 | 0215 | 28 | .01 | .01 | .00 | 617.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0.  |
| 1 | 0220 | 29 | .00 | .00 | .00 | 607.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0.  |
| 1 | 0225 | 30 | .02 | .02 | .00 | 599.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0.  |
| 1 | 0230 | 31 | .01 | .01 | .00 | 588.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0.  |
| 1 | 0235 | 32 | .02 | .02 | .00 | 571.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0.  |
| 1 | 0240 | 33 | .02 | .02 | .00 | 546.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0.  |
| 1 | 0245 | 34 | .04 | .02 | .02 | 515.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0.  |
| 1 | 0250 | 35 | .05 | .02 | .02 | 487.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0.  |
| 1 | 0255 | 36 | .06 | .02 | .04 | 466.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0.  |
| 1 | 0300 | 37 | .08 | .02 | .06 | 467.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0.  |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0305 | 38 | .07 | .02 | .04 | 499.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .14 | .02 | .12 | 579.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .11 | .02 | .09 | 722.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .14 | .02 | .12 | 938.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .21 | .02 | .19 | 1250. | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .24 | .02 | .22 | 1678. | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .03 | .02 | .01 | 2199. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .03 | .02 | .01 | 2773. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .06 | .02 | .04 | 3381. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .08 | .02 | .06 | 3999. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .03 | .02 | .01 | 4570. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .02 | .02 | .00 | 5015. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .03 | .02 | .00 | 5308. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .02 | .02 | .00 | 5441. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .03 | .02 | .01 | 5436. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .02 | .02 | .00 | 5308. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .04 | .02 | .02 | 5071. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .06 | .02 | .03 | 4740. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .09 | .02 | .07 | 4381. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .06 | .02 | .04 | 4016. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .08 | .02 | .06 | 3662. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .08 | .02 | .06 | 3358. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 3148. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 3025. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .02 | .02 | .00 | 2950. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .01 | .01 | .00 | 2902. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .01 | .01 | .00 | 2860. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .01 | .01 | .00 | 2804. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 2710. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 2581. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .01 | .01 | .00 | 2419. | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 2242. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .01 | .01 | .00 | 2043. | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 1828. | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .01 | .01 | .00 | 1611. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 1402. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 1204. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0610 | 75  | .00 | .00 | .00 | 1026. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 875.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 751.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 648.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 559.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 483.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 416.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 359.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 308.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 266.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 229.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 197.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 170.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 145.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 124.  | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 105.  | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 88.   | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 74.   | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 62.   | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 51.   | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 42.   | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 35.   | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 29.   | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 25.   | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 21.   | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 18.   | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 3.02, TOTAL LOSS = 1.31, TOTAL EXCESS = 1.71

| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| (CFS)                |              |                      |       |       |          |

|   |       |          |       |       |       |       |
|---|-------|----------|-------|-------|-------|-------|
| + | 5441. | 4.17     | 1984. | 739.  | 739.  | 739.  |
|   |       | (INCHES) | 1.656 | 1.706 | 1.706 | 1.706 |
|   |       | (AC-FT)  | 984.  | 1013. | 1013. | 1013. |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .62

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550

| DA | MON  | HRMN | ORD | RAIN | LOSS | EXCESS | COMP | Q | *        | DA  | MON | HRMN | ORD | RAIN | LOSS | EXCESS | COMP | Q |
|----|------|------|-----|------|------|--------|------|---|----------|-----|-----|------|-----|------|------|--------|------|---|
| 1  | 0000 | 1    | .00 | .00  | .00  | 0.     | *    | 1 | 0820 101 | .00 | .00 | .00  | 7.  |      |      |        |      |   |
| 1  | 0005 | 2    | .04 | .04  | .00  | 0.     | *    | 1 | 0825 102 | .00 | .00 | .00  | 6.  |      |      |        |      |   |
| 1  | 0010 | 3    | .07 | .03  | .04  | 7.     | *    | 1 | 0830 103 | .00 | .00 | .00  | 5.  |      |      |        |      |   |
| 1  | 0015 | 4    | .04 | .02  | .02  | 25.    | *    | 1 | 0835 104 | .00 | .00 | .00  | 4.  |      |      |        |      |   |
| 1  | 0020 | 5    | .06 | .02  | .03  | 57.    | *    | 1 | 0840 105 | .00 | .00 | .00  | 4.  |      |      |        |      |   |
| 1  | 0025 | 6    | .06 | .02  | .04  | 110.   | *    | 1 | 0845 106 | .00 | .00 | .00  | 3.  |      |      |        |      |   |
| 1  | 0030 | 7    | .01 | .01  | .00  | 186.   | *    | 1 | 0850 107 | .00 | .00 | .00  | 2.  |      |      |        |      |   |
| 1  | 0035 | 8    | .02 | .02  | .00  | 280.   | *    | 1 | 0855 108 | .00 | .00 | .00  | 2.  |      |      |        |      |   |
| 1  | 0040 | 9    | .01 | .01  | .00  | 389.   | *    | 1 | 0900 109 | .00 | .00 | .00  | 1.  |      |      |        |      |   |
| 1  | 0045 | 10   | .01 | .01  | .00  | 503.   | *    | 1 | 0905 110 | .00 | .00 | .00  | 1.  |      |      |        |      |   |
| 1  | 0050 | 11   | .02 | .02  | .00  | 609.   | *    | 1 | 0910 111 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1  | 0055 | 12   | .00 | .00  | .00  | 693.   | *    | 1 | 0915 112 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1  | 0100 | 13   | .01 | .01  | .00  | 747.   | *    | 1 | 0920 113 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1  | 0105 | 14   | .01 | .01  | .00  | 774.   | *    | 1 | 0925 114 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1  | 0110 | 15   | .01 | .01  | .00  | 771.   | *    | 1 | 0930 115 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1  | 0115 | 16   | .01 | .01  | .00  | 748.   | *    | 1 | 0935 116 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1  | 0120 | 17   | .01 | .01  | .00  | 709.   | *    | 1 | 0940 117 | .00 | .00 | .00  | 0.  |      |      |        |      |   |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0125 | 18 | .02 | .02 | .00 | 654.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .02 | .02 | .00 | 588.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .02 | .02 | .00 | 518.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .02 | .02 | .00 | 446.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .02 | .02 | .00 | 379.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 322.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .03 | .02 | .01 | 277.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .02 | .02 | .00 | 242.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .02 | .02 | .00 | 213.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .01 | .01 | .00 | 189.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .01 | .01 | .00 | 169.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 154.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 140.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .01 | .01 | .00 | 128.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .01 | .01 | .00 | 118.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 108.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .02 | .02 | .00 | 98.   | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .03 | .02 | .01 | 90.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .04 | .02 | .01 | 86.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .05 | .02 | .03 | 90.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .04 | .02 | .02 | 107.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .09 | .02 | .06 | 144.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .07 | .02 | .05 | 212.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .09 | .02 | .06 | 317.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .13 | .02 | .11 | 476.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .15 | .02 | .13 | 702.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .02 | .02 | .00 | 984.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .02 | .02 | .00 | 1299. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .04 | .02 | .02 | 1638. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .05 | .02 | .03 | 1986. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .02 | .02 | .00 | 2310. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 2563. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .02 | .02 | .00 | 2730. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 2806. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .02 | .02 | .00 | 2803. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 2730. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .03 | .02 | .00 | 2597. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |



|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0430 | 55 | .04 | .02 | .01 | 2410. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .06 | .02 | .03 | 2207. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .04 | .02 | .02 | 2000. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .05 | .02 | .03 | 1794. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .05 | .02 | .03 | 1613. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 1484. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 1405. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 1355. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 1323. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 1298. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 1270. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 1225. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 1167. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 1094. | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 1016. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .01 | .01 | .00 | 927.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 832.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 734.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 639.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 549.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 468.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 399.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 343.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 296.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 255.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 221.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 190.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 164.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 141.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 121.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 105.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86 | .00 | .00 | .00 | 91.   | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87 | .00 | .00 | .00 | 78.   | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88 | .00 | .00 | .00 | 67.   | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89 | .00 | .00 | .00 | 57.   | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90 | .00 | .00 | .00 | 48.   | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91 | .00 | .00 | .00 | 40.   | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0735 | 92  | .00 | .00 | .00 | 34. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 28. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 23. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 18. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 15. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 13. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 11. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 9.  | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 8.  | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.87, TOTAL LOSS = 1.09, TOTAL EXCESS = .78

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS)    |                      |       |       |          |
|           | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| +         | 2806.    | 4.17                 | 913.  | 340.  | 340.     |
|           | (INCHES) |                      | .762  | .784  | .784     |
|           | (AC-FT)  | 453.                 | 466.  | 466.  | 466.     |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION   HV al  
PLAN 1,   RATIO = .44

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| *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q *<br>*<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|------------------------------------------------------------------------------------------------|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1                                                                                              | 0000 | 1  | .00 | .00 | .00 | 0.   | * | 1 | 0820 | 101 | .00 | .00 | .00 | 3. |
| 1                                                                                              | 0005 | 2  | .03 | .03 | .00 | 0.   | * | 1 | 0825 | 102 | .00 | .00 | .00 | 3. |
| 1                                                                                              | 0010 | 3  | .05 | .04 | .02 | 3.   | * | 1 | 0830 | 103 | .00 | .00 | .00 | 2. |
| 1                                                                                              | 0015 | 4  | .03 | .02 | .00 | 10.  | * | 1 | 0835 | 104 | .00 | .00 | .00 | 2. |
| 1                                                                                              | 0020 | 5  | .04 | .02 | .02 | 22.  | * | 1 | 0840 | 105 | .00 | .00 | .00 | 2. |
| 1                                                                                              | 0025 | 6  | .05 | .02 | .02 | 45.  | * | 1 | 0845 | 106 | .00 | .00 | .00 | 1. |
| 1                                                                                              | 0030 | 7  | .01 | .01 | .00 | 78.  | * | 1 | 0850 | 107 | .00 | .00 | .00 | 1. |
| 1                                                                                              | 0035 | 8  | .01 | .01 | .00 | 119. | * | 1 | 0855 | 108 | .00 | .00 | .00 | 1. |
| 1                                                                                              | 0040 | 9  | .01 | .01 | .00 | 167. | * | 1 | 0900 | 109 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0045 | 10 | .00 | .00 | .00 | 219. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0050 | 11 | .01 | .01 | .00 | 270. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0055 | 12 | .00 | .00 | .00 | 311. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0100 | 13 | .01 | .01 | .00 | 338. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0105 | 14 | .00 | .00 | .00 | 353. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0110 | 15 | .01 | .01 | .00 | 354. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0115 | 16 | .01 | .01 | .00 | 345. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0120 | 17 | .01 | .01 | .00 | 329. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0125 | 18 | .01 | .01 | .00 | 304. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0130 | 19 | .01 | .01 | .00 | 276. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0135 | 20 | .01 | .01 | .00 | 244. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0140 | 21 | .01 | .01 | .00 | 212. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0145 | 22 | .01 | .01 | .00 | 180. | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0150 | 23 | .01 | .01 | .00 | 153. | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0155 | 24 | .02 | .02 | .00 | 131. | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0200 | 25 | .01 | .01 | .00 | 114. | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0205 | 26 | .01 | .01 | .00 | 99.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0210 | 27 | .01 | .01 | .00 | 87.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0215 | 28 | .01 | .01 | .00 | 76.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0220 | 29 | .00 | .00 | .00 | 66.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0225 | 30 | .01 | .01 | .00 | 58.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0230 | 31 | .01 | .01 | .00 | 50.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0235 | 32 | .01 | .01 | .00 | 44.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0240 | 33 | .01 | .01 | .00 | 39.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1                                                                                              | 0245 | 34 | .02 | .02 | .00 | 34.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0250 | 35 | .02 | .02 | .00 | 30.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .03 | .02 | .00 | 27.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .04 | .02 | .01 | 27.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .03 | .02 | .01 | 32.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .06 | .02 | .04 | 47.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .05 | .02 | .03 | 78.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .06 | .02 | .04 | 129.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .09 | .02 | .07 | 211.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .11 | .02 | .08 | 337.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 501.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 690.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .03 | .02 | .00 | 898.  | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .04 | .02 | .01 | 1116. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 1322. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 1485. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 1595. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 1646. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 1648. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 1607. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .02 | .02 | .00 | 1529. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .03 | .02 | .00 | 1416. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .04 | .02 | .02 | 1291. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .03 | .02 | .00 | 1161. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .04 | .02 | .01 | 1029. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .04 | .02 | .01 | 907.  | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 815.  | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 752.  | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 708.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 676.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 651.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 628.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 598.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 565.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 525.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 486.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 442.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 397.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0555 | 72  | .00 | .00 | .00 | 350. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73  | .00 | .00 | .00 | 305. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74  | .00 | .00 | .00 | 263. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75  | .00 | .00 | .00 | 224. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 191. | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 164. | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 142. | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 122. | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 106. | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 91.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 79.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 67.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 58.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 50.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 44.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 38.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 32.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 27.  | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 23.  | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 19.  | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 16.  | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 13.  | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 10.  | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 8.   | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 7.   | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 6.   | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 5.   | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 4.   | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 4.   | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.33, TOTAL LOSS = .92, TOTAL EXCESS = .41

PEAK FLOW TIME

MAXIMUM AVERAGE FLOW

|   |       |          |       |       |          |
|---|-------|----------|-------|-------|----------|
|   |       | 6-HR     | 24-HR | 72-HR | 16.58-HR |
| + | (CFS) | (HR)     |       |       |          |
|   |       | (CFS)    |       |       |          |
| + | 1648. | 4.25     | 482.  | 179.  | 179.     |
|   |       | (INCHES) | .403  | .413  | .413     |
|   |       | (AC-FT)  | 239.  | 245.  | 245.     |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .38

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|    |      |    |    |     |      |      |        |        |   | *        |     |     |     |    |     |      |      |        |        |  |
|----|------|----|----|-----|------|------|--------|--------|---|----------|-----|-----|-----|----|-----|------|------|--------|--------|--|
| DA | MON  | HR | MN | ORD | RAIN | LOSS | EXCESS | COMP Q |   | *        | DA  | MON | HR  | MN | ORD | RAIN | LOSS | EXCESS | COMP Q |  |
|    |      |    |    |     |      |      |        |        |   | *        |     |     |     |    |     |      |      |        |        |  |
| 1  | 0000 | 1  |    | .00 | .00  | .00  | 0.     | *      | 1 | 0820 101 | .00 | .00 | .00 |    | 2.  |      |      |        |        |  |
| 1  | 0005 | 2  |    | .02 | .02  | .00  | 0.     | *      | 1 | 0825 102 | .00 | .00 | .00 |    | 2.  |      |      |        |        |  |
| 1  | 0010 | 3  |    | .04 | .04  | .01  | 2.     | *      | 1 | 0830 103 | .00 | .00 | .00 |    | 1.  |      |      |        |        |  |
| 1  | 0015 | 4  |    | .02 | .02  | .00  | 5.     | *      | 1 | 0835 104 | .00 | .00 | .00 |    | 1.  |      |      |        |        |  |
| 1  | 0020 | 5  |    | .03 | .02  | .01  | 12.    | *      | 1 | 0840 105 | .00 | .00 | .00 |    | 1.  |      |      |        |        |  |
| 1  | 0025 | 6  |    | .04 | .02  | .02  | 25.    | *      | 1 | 0845 106 | .00 | .00 | .00 |    | 1.  |      |      |        |        |  |
| 1  | 0030 | 7  |    | .01 | .01  | .00  | 45.    | *      | 1 | 0850 107 | .00 | .00 | .00 |    | 1.  |      |      |        |        |  |
| 1  | 0035 | 8  |    | .01 | .01  | .00  | 70.    | *      | 1 | 0855 108 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |
| 1  | 0040 | 9  |    | .01 | .01  | .00  | 99.    | *      | 1 | 0900 109 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |
| 1  | 0045 | 10 |    | .00 | .00  | .00  | 132.   | *      | 1 | 0905 110 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |
| 1  | 0050 | 11 |    | .01 | .01  | .00  | 164.   | *      | 1 | 0910 111 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |
| 1  | 0055 | 12 |    | .00 | .00  | .00  | 191.   | *      | 1 | 0915 112 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |
| 1  | 0100 | 13 |    | .01 | .01  | .00  | 210.   | *      | 1 | 0920 113 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |
| 1  | 0105 | 14 |    | .00 | .00  | .00  | 221.   | *      | 1 | 0925 114 | .00 | .00 | .00 |    | 0.  |      |      |        |        |  |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0110 | 15 | .01 | .01 | .00 | 222.  | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .01 | .01 | .00 | 218.  | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 209.  | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 194.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 176.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 157.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 137.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 116.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 99.   | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .02 | .02 | .00 | 85.   | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 74.   | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 64.   | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .01 | .01 | .00 | 57.   | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 50.   | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 44.   | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 38.   | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 33.   | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .01 | .01 | .00 | 30.   | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 26.   | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 23.   | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .02 | .02 | .00 | 20.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 18.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .03 | .02 | .01 | 17.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .03 | .02 | .00 | 19.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .05 | .02 | .03 | 28.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .04 | .02 | .02 | 47.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .05 | .02 | .03 | 81.   | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .08 | .02 | .06 | 139.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .09 | .02 | .07 | 232.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 356.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 503.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 667.  | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .03 | .02 | .01 | 840.  | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 1005. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 1138. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 1227. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 1269. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0415 | 52 | .01 | .01 | .00 | 1271. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 1239. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .02 | .02 | .00 | 1178. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .02 | .02 | .00 | 1090. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .03 | .02 | .01 | 992.  | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 888.  | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .03 | .02 | .01 | 781.  | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .03 | .02 | .01 | 681.  | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 603.  | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 548.  | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 507.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 476.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 451.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 429.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 404.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 377.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 348.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 320.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 290.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 260.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 229.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 200.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 172.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 147.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 125.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 108.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 93.   | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 80.   | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 69.   | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 60.   | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 52.   | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 44.   | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 38.   | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 33.   | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86 | .00 | .00 | .00 | 29.   | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87 | .00 | .00 | .00 | 25.   | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88 | .00 | .00 | .00 | 21.   | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |



|   |      |     |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0720 | 89  | .00 | .00 | .00 | 18. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 15. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 13. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 10. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 8.  | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 7.  | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 5.  | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 4.  | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 3.  | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 3.  | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 2.  | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 2.  | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.15, TOTAL LOSS = .85, TOTAL EXCESS = .30

| PEAK FLOW |       | TIME     |       | MAXIMUM AVERAGE FLOW |          |      |  |
|-----------|-------|----------|-------|----------------------|----------|------|--|
|           |       | 6-HR     | 24-HR | 72-HR                | 16.58-HR |      |  |
| +         | (CFS) | (HR)     |       |                      |          |      |  |
|           |       | (CFS)    |       |                      |          |      |  |
| +         | 1271. | 4.25     | 348.  | 129.                 | 129.     | 129. |  |
|           |       | (INCHES) | .290  | .297                 | .297     | .297 |  |
|           |       | (AC-FT)  | 172.  | 176.                 | 176.     | 176. |  |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .32

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DA MON HRMN ORD RAIN LOSS EXCESS COMP Q \* DA MON HRMN ORD RAIN LOSS EXCESS COMP Q

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|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0000 | 1  | .00 | .00 | .00 | 0.   | * | 1 | 0820 | 101 | .00 | .00 | .00 | 1. |
| 1 | 0005 | 2  | .02 | .02 | .00 | 0.   | * | 1 | 0825 | 102 | .00 | .00 | .00 | 1. |
| 1 | 0010 | 3  | .04 | .03 | .00 | 1.   | * | 1 | 0830 | 103 | .00 | .00 | .00 | 1. |
| 1 | 0015 | 4  | .02 | .02 | .00 | 2.   | * | 1 | 0835 | 104 | .00 | .00 | .00 | 1. |
| 1 | 0020 | 5  | .03 | .02 | .01 | 5.   | * | 1 | 0840 | 105 | .00 | .00 | .00 | 0. |
| 1 | 0025 | 6  | .03 | .02 | .01 | 11.  | * | 1 | 0845 | 106 | .00 | .00 | .00 | 0. |
| 1 | 0030 | 7  | .01 | .01 | .00 | 20.  | * | 1 | 0850 | 107 | .00 | .00 | .00 | 0. |
| 1 | 0035 | 8  | .01 | .01 | .00 | 32.  | * | 1 | 0855 | 108 | .00 | .00 | .00 | 0. |
| 1 | 0040 | 9  | .01 | .01 | .00 | 46.  | * | 1 | 0900 | 109 | .00 | .00 | .00 | 0. |
| 1 | 0045 | 10 | .00 | .00 | .00 | 63.  | * | 1 | 0905 | 110 | .00 | .00 | .00 | 0. |
| 1 | 0050 | 11 | .01 | .01 | .00 | 80.  | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0. |
| 1 | 0055 | 12 | .00 | .00 | .00 | 95.  | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .00 | .00 | .00 | 106. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 113. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .01 | .01 | .00 | 115. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .00 | .00 | .00 | 113. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 109. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 102. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 93.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 84.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 73.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 63.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 53.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .01 | .01 | .00 | 46.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 40.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 35.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .00 | .00 | .00 | 31.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 28.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 24.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 22.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 19.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0235 | 32 | .01 | .01 | .00 | 17.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 15.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 14.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .01 | .01 | .00 | 12.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 11.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .03 | .02 | .00 | 10.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .02 | .02 | .00 | 11.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .05 | .02 | .02 | 15.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .04 | .02 | .01 | 27.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .05 | .02 | .02 | 48.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .07 | .02 | .04 | 86.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .08 | .02 | .05 | 151. | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 240. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 346. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 467. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .03 | .02 | .00 | 597. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 722. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .00 | .00 | .00 | 824. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 893. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 925. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 927. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 904. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .01 | .01 | .00 | 859. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .02 | .02 | .00 | 794. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .03 | .02 | .01 | 721. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 644. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .03 | .02 | .00 | 563. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .03 | .02 | .00 | 485. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 423. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 377. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .00 | .00 | .00 | 341. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 312. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 288. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 267. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 246. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 225. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 204. | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0540 | 69  | .00 | .00 | .00 | 185. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70  | .00 | .00 | .00 | 166. | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71  | .00 | .00 | .00 | 148. | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72  | .00 | .00 | .00 | 129. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73  | .00 | .00 | .00 | 112. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74  | .00 | .00 | .00 | 97.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75  | .00 | .00 | .00 | 83.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 71.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 61.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 53.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 45.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 39.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 34.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 29.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 25.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 22.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 19.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 16.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 14.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 12.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 10.  | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 9.   | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 7.   | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 6.   | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 5.   | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 3.   | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 3.   | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 2.   | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 2.   | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 1.   | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 1.   | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 1.   | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = .97, TOTAL LOSS = .77, TOTAL EXCESS = .20

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 927.    | 4.25     | 233.                 | 86.   | 86.   | 86.      |
|           | (INCHES) | .194                 | .198  | .198  | .198     |
|           | (AC-FT)  | 115.                 | 117.  | 117.  | 117.     |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .26

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| *<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>* |      |    |     |     |      |      |        |      |      |     |     |     |     |    |     |      |      |        |      |   |
|---------------------------------------------------------------|------|----|-----|-----|------|------|--------|------|------|-----|-----|-----|-----|----|-----|------|------|--------|------|---|
| DA                                                            | MON  | HR | MN  | ORD | RAIN | LOSS | EXCESS | COMP | Q    | *   | DA  | MON | HR  | MN | ORD | RAIN | LOSS | EXCESS | COMP | Q |
| 1                                                             | 0000 | 1  | .00 | .00 | .00  | 0.   | *      | 1    | 0820 | 101 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0005 | 2  | .02 | .02 | .00  | 0.   | *      | 1    | 0825 | 102 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0010 | 3  | .03 | .03 | .00  | 0.   | *      | 1    | 0830 | 103 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0015 | 4  | .02 | .02 | .00  | 0.   | *      | 1    | 0835 | 104 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0020 | 5  | .02 | .02 | .00  | 1.   | *      | 1    | 0840 | 105 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0025 | 6  | .03 | .02 | .00  | 2.   | *      | 1    | 0845 | 106 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0030 | 7  | .00 | .00 | .00  | 3.   | *      | 1    | 0850 | 107 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0035 | 8  | .01 | .01 | .00  | 6.   | *      | 1    | 0855 | 108 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0040 | 9  | .01 | .01 | .00  | 9.   | *      | 1    | 0900 | 109 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0045 | 10 | .00 | .00 | .00  | 13.  | *      | 1    | 0905 | 110 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1                                                             | 0050 | 11 | .01 | .01 | .00  | 17.  | *      | 1    | 0910 | 111 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0055 | 12 | .00 | .00 | .00 | 22.  | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .00 | .00 | .00 | 25.  | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 27.  | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .01 | .01 | .00 | 28.  | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .00 | .00 | .00 | 28.  | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 28.  | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 26.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 24.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 22.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 20.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 17.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .00 | .00 | .00 | 15.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .01 | .01 | .00 | 13.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 12.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 11.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .00 | .00 | .00 | 10.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 9.   | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 8.   | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 8.   | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 7.   | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .00 | .00 | .00 | 7.   | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .00 | .00 | .00 | 6.   | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 6.   | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .01 | .01 | .00 | 5.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 5.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .02 | .02 | .00 | 5.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .02 | .02 | .00 | 5.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .04 | .02 | .01 | 7.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .03 | .02 | .01 | 13.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .04 | .02 | .01 | 24.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .05 | .02 | .03 | 46.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .06 | .02 | .04 | 86.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 142. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 211. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 291. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .02 | .02 | .00 | 379. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 465. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0400 | 49 | .00 | .00 | .00 | 536. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 585. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .00 | .00 | .00 | 609. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 612. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .00 | .00 | .00 | 598. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .01 | .01 | .00 | 569. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .01 | .01 | .00 | 526. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .02 | .02 | .00 | 477. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 425. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .02 | .02 | .00 | 368. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .02 | .02 | .00 | 312. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 265. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 228. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .00 | .00 | .00 | 198. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 172. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 150. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 132. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 114. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 99.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 86.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 75.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 65.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 56.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 48.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 42.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 36.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 31.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 27.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 23.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 20.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 17.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 15.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 13.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 11.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 10.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 8.   | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 7.   | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0705 | 86  | .00 | .00 | .00 | 6. | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 6. | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 5. | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 4. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 3. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 3. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 2. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 1. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 1. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = .79, TOTAL LOSS = .67, TOTAL EXCESS = .11

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 612.    | 4.25     | 134.                 | 49.   | 49.   | 49.      |
|           | (INCHES) | .112                 | .113  | .113  | .113     |
|           | (AC-FT)  | 66.                  | 67.   | 67.   | 67.      |

CUMULATIVE AREA = 11.14 SQ MI

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*****
*      *
128 KK  *  COut *
*      *
*****

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129 KO      OUTPUT CONTROL VARIABLES
          IPRNT      2 PRINT CONTROL
          IPLOT      0 PLOT CONTROL
          QSCAL      0. HYDROGRAPH PLOT SCALE

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130 HC      HYDROGRAPH COMBINATION
          ICOMP      4 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .62

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| *<br>DA MON HRMN ORD |      |   |      | *<br>FLOW |      |    |        | *<br>DA MON HRMN ORD |      |     |      | *<br>FLOW |      |     |    | *<br>DA MON HRMN ORD |  |  |  | *<br>FLOW |  |  |  |
|----------------------|------|---|------|-----------|------|----|--------|----------------------|------|-----|------|-----------|------|-----|----|----------------------|--|--|--|-----------|--|--|--|
| 1                    | 0000 | 1 | 0.   | * 1       | 0410 | 51 | 8699.  | * 1                  | 0820 | 101 | 889. | * 1       | 1230 | 151 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0005 | 2 | 0.   | * 1       | 0415 | 52 | 9395.  | * 1                  | 0825 | 102 | 771. | * 1       | 1235 | 152 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0010 | 3 | 19.  | * 1       | 0420 | 53 | 10090. | * 1                  | 0830 | 103 | 667. | * 1       | 1240 | 153 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0015 | 4 | 67.  | * 1       | 0425 | 54 | 10741. | * 1                  | 0835 | 104 | 576. | * 1       | 1245 | 154 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0020 | 5 | 151. | * 1       | 0430 | 55 | 11318. | * 1                  | 0840 | 105 | 497. | * 1       | 1250 | 155 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0025 | 6 | 293. | * 1       | 0435 | 56 | 11820. | * 1                  | 0845 | 106 | 428. | * 1       | 1255 | 156 | 0. |                      |  |  |  |           |  |  |  |

|   |      |    |       |   |   |      |    |        |   |   |      |     |      |   |   |      |     |    |
|---|------|----|-------|---|---|------|----|--------|---|---|------|-----|------|---|---|------|-----|----|
| 1 | 0030 | 7  | 491.  | * | 1 | 0440 | 57 | 12238. | * | 1 | 0850 | 107 | 369. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 725.  | * | 1 | 0445 | 58 | 12540. | * | 1 | 0855 | 108 | 319. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 985.  | * | 1 | 0450 | 59 | 12736. | * | 1 | 0900 | 109 | 275. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 1247. | * | 1 | 0455 | 60 | 12844. | * | 1 | 0905 | 110 | 238. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 1492. | * | 1 | 0500 | 61 | 12884. | * | 1 | 0910 | 111 | 206. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 1711. | * | 1 | 0505 | 62 | 12868. | * | 1 | 0915 | 112 | 178. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 1918. | * | 1 | 0510 | 63 | 12787. | * | 1 | 0920 | 113 | 154. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 2124. | * | 1 | 0515 | 64 | 12637. | * | 1 | 0925 | 114 | 133. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 2330. | * | 1 | 0520 | 65 | 12434. | * | 1 | 0930 | 115 | 116. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 2544. | * | 1 | 0525 | 66 | 12204. | * | 1 | 0935 | 116 | 101. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 2761. | * | 1 | 0530 | 67 | 11961. | * | 1 | 0940 | 117 | 87.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 2958. | * | 1 | 0535 | 68 | 11715. | * | 1 | 0945 | 118 | 76.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 3125. | * | 1 | 0540 | 69 | 11481. | * | 1 | 0950 | 119 | 66.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 3248. | * | 1 | 0545 | 70 | 11254. | * | 1 | 0955 | 120 | 58.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 3316. | * | 1 | 0550 | 71 | 11018. | * | 1 | 1000 | 121 | 51.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 3334. | * | 1 | 0555 | 72 | 10760. | * | 1 | 1005 | 122 | 44.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 3311. | * | 1 | 0600 | 73 | 10469. | * | 1 | 1010 | 123 | 39.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 3263. | * | 1 | 0605 | 74 | 10135. | * | 1 | 1015 | 124 | 34.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 3200. | * | 1 | 0610 | 75 | 9756.  | * | 1 | 1020 | 125 | 29.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 3126. | * | 1 | 0615 | 76 | 9335.  | * | 1 | 1025 | 126 | 25.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 3042. | * | 1 | 0620 | 77 | 8881.  | * | 1 | 1030 | 127 | 22.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 2951. | * | 1 | 0625 | 78 | 8400.  | * | 1 | 1035 | 128 | 19.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 2852. | * | 1 | 0630 | 79 | 7899.  | * | 1 | 1040 | 129 | 16.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 2748. | * | 1 | 0635 | 80 | 7381.  | * | 1 | 1045 | 130 | 14.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 2640. | * | 1 | 0640 | 81 | 6856.  | * | 1 | 1050 | 131 | 12.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 2532. | * | 1 | 0645 | 82 | 6334.  | * | 1 | 1055 | 132 | 10.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 2429. | * | 1 | 0650 | 83 | 5824.  | * | 1 | 1100 | 133 | 9.   | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 2333. | * | 1 | 0655 | 84 | 5334.  | * | 1 | 1105 | 134 | 7.   | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 2248. | * | 1 | 0700 | 85 | 4872.  | * | 1 | 1110 | 135 | 6.   | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 2177. | * | 1 | 0705 | 86 | 4444.  | * | 1 | 1115 | 136 | 6.   | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 2131. | * | 1 | 0710 | 87 | 4051.  | * | 1 | 1120 | 137 | 5.   | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 2113. | * | 1 | 0715 | 88 | 3694.  | * | 1 | 1125 | 138 | 4.   | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 2144. | * | 1 | 0720 | 89 | 3369.  | * | 1 | 1130 | 139 | 4.   | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 2239. | * | 1 | 0725 | 90 | 3074.  | * | 1 | 1135 | 140 | 3.   | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 2409. | * | 1 | 0730 | 91 | 2804.  | * | 1 | 1140 | 141 | 3.   | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 2688. | * | 1 | 0735 | 92 | 2553.  | * | 1 | 1145 | 142 | 2.   | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 3116. | * | 1 | 0740 | 93 | 2319.  | * | 1 | 1150 | 143 | 2.   | * | 1 | 1600 | 193 | 0. |

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0335 | 44 | 3662. | * | 1 | 0745 | 94  | 2097. | * | 1 | 1155 | 144 | 1. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 4301. | * | 1 | 0750 | 95  | 1888. | * | 1 | 1200 | 145 | 1. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 5021. | * | 1 | 0755 | 96  | 1689. | * | 1 | 1205 | 146 | 1. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 5794. | * | 1 | 0800 | 97  | 1502. | * | 1 | 1210 | 147 | 1. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 6551. | * | 1 | 0805 | 98  | 1328. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 7281. | * | 1 | 0810 | 99  | 1167. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 7992. | * | 1 | 0815 | 100 | 1021. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |       |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 12884.  | 5.00     | 6747.                | 2676. | 2676. | 2676.    |
|           | (INCHES) | .764                 | .837  | .837  | .837     |
|           | (AC-FT)  | 3346.                | 3668. | 3668. | 3668.    |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .44

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|    |     |      |     |      |   |    |     |      |     |      |   |    |     |      |     |      |   |    |     |      |     |      |
|----|-----|------|-----|------|---|----|-----|------|-----|------|---|----|-----|------|-----|------|---|----|-----|------|-----|------|
| *  |     | *    |     | *    |   | *  |     | *    |     | *    |   | *  |     | *    |     | *    |   | *  |     |      |     |      |
| DA | MON | HRMN | ORD | FLOW | * | DA | MON | HRMN | ORD | FLOW | * | DA | MON | HRMN | ORD | FLOW | * | DA | MON | HRMN | ORD | FLOW |
|    |     |      |     |      | * |    |     |      |     |      | * |    |     |      |     |      | * |    |     |      |     |      |

|   |      |    |       |   |   |      |    |       |   |   |      |     |      |   |   |      |     |    |
|---|------|----|-------|---|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|
| 1 | 0000 | 1  | 0.    | * | 1 | 0410 | 51 | 4899. | * | 1 | 0820 | 101 | 455. | * | 1 | 1230 | 151 | 0. |
| 1 | 0005 | 2  | 0.    | * | 1 | 0415 | 52 | 5319. | * | 1 | 0825 | 102 | 394. | * | 1 | 1235 | 152 | 0. |
| 1 | 0010 | 3  | 9.    | * | 1 | 0420 | 53 | 5748. | * | 1 | 0830 | 103 | 341. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 30.   | * | 1 | 0425 | 54 | 6154. | * | 1 | 0835 | 104 | 294. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 69.   | * | 1 | 0430 | 55 | 6516. | * | 1 | 0840 | 105 | 253. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 136.  | * | 1 | 0435 | 56 | 6831. | * | 1 | 0845 | 106 | 218. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 232.  | * | 1 | 0440 | 57 | 7088. | * | 1 | 0850 | 107 | 188. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 345.  | * | 1 | 0445 | 58 | 7264. | * | 1 | 0855 | 108 | 162. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 474.  | * | 1 | 0450 | 59 | 7367. | * | 1 | 0900 | 109 | 140. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 606.  | * | 1 | 0455 | 60 | 7408. | * | 1 | 0905 | 110 | 121. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 730.  | * | 1 | 0500 | 61 | 7406. | * | 1 | 0910 | 111 | 105. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 841.  | * | 1 | 0505 | 62 | 7371. | * | 1 | 0915 | 112 | 90.  | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 943.  | * | 1 | 0510 | 63 | 7301. | * | 1 | 0920 | 113 | 78.  | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 1043. | * | 1 | 0515 | 64 | 7192. | * | 1 | 0925 | 114 | 68.  | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 1142. | * | 1 | 0520 | 65 | 7052. | * | 1 | 0930 | 115 | 59.  | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 1246. | * | 1 | 0525 | 66 | 6895. | * | 1 | 0935 | 116 | 51.  | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 1351. | * | 1 | 0530 | 67 | 6730. | * | 1 | 0940 | 117 | 45.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 1447. | * | 1 | 0535 | 68 | 6562. | * | 1 | 0945 | 118 | 39.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 1531. | * | 1 | 0540 | 69 | 6401. | * | 1 | 0950 | 119 | 34.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 1594. | * | 1 | 0545 | 70 | 6248. | * | 1 | 0955 | 120 | 30.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 1632. | * | 1 | 0550 | 71 | 6095. | * | 1 | 1000 | 121 | 26.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 1644. | * | 1 | 0555 | 72 | 5935. | * | 1 | 1005 | 122 | 23.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 1635. | * | 1 | 0600 | 73 | 5762. | * | 1 | 1010 | 123 | 20.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 1612. | * | 1 | 0605 | 74 | 5570. | * | 1 | 1015 | 124 | 17.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 1581. | * | 1 | 0610 | 75 | 5356. | * | 1 | 1020 | 125 | 15.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 1544. | * | 1 | 0615 | 76 | 5121. | * | 1 | 1025 | 126 | 13.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 1500. | * | 1 | 0620 | 77 | 4867. | * | 1 | 1030 | 127 | 11.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 1451. | * | 1 | 0625 | 78 | 4599. | * | 1 | 1035 | 128 | 9.   | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 1398. | * | 1 | 0630 | 79 | 4318. | * | 1 | 1040 | 129 | 8.   | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 1341. | * | 1 | 0635 | 80 | 4027. | * | 1 | 1045 | 130 | 7.   | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 1283. | * | 1 | 0640 | 81 | 3731. | * | 1 | 1050 | 131 | 6.   | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 1225. | * | 1 | 0645 | 82 | 3436. | * | 1 | 1055 | 132 | 5.   | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 1170. | * | 1 | 0650 | 83 | 3147. | * | 1 | 1100 | 133 | 4.   | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 1116. | * | 1 | 0655 | 84 | 2870. | * | 1 | 1105 | 134 | 3.   | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 1066. | * | 1 | 0700 | 85 | 2609. | * | 1 | 1110 | 135 | 3.   | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 1021. | * | 1 | 0705 | 86 | 2367. | * | 1 | 1115 | 136 | 3.   | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 985.  | * | 1 | 0710 | 87 | 2146. | * | 1 | 1120 | 137 | 2.   | * | 1 | 1530 | 187 | 0. |

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0305 | 38 | 961.  | * | 1 | 0715 | 88  | 1947. | * | 1 | 1125 | 138 | 2. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 962.  | * | 1 | 0720 | 89  | 1767. | * | 1 | 1130 | 139 | 2. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 1000. | * | 1 | 0725 | 90  | 1604. | * | 1 | 1135 | 140 | 1. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 1086. | * | 1 | 0730 | 91  | 1457. | * | 1 | 1140 | 141 | 1. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 1242. | * | 1 | 0735 | 92  | 1322. | * | 1 | 1145 | 142 | 1. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 1496. | * | 1 | 0740 | 93  | 1197. | * | 1 | 1150 | 143 | 1. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 1830. | * | 1 | 0745 | 94  | 1081. | * | 1 | 1155 | 144 | 1. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 2225. | * | 1 | 0750 | 95  | 971.  | * | 1 | 1200 | 145 | 1. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 2671. | * | 1 | 0755 | 96  | 868.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 3149. | * | 1 | 0800 | 97  | 771.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 3612. | * | 1 | 0805 | 98  | 681.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 4052. | * | 1 | 0810 | 99  | 598.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 4477. | * | 1 | 0815 | 100 | 523.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *     |   |   | *    |     |    |   |   |      |     |    |

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572

| PEAK FLOW                     | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-------------------------------|----------|----------------------|-------|-------|----------|
|                               |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)                       | (HR)     |                      |       |       |          |
|                               | (CFS)    |                      |       |       |          |
| + 7408.                       | 4.92     | 3696.                | 1455. | 1455. | 1455.    |
|                               | (INCHES) | .418                 | .455  | .455  | .455     |
|                               | (AC-FT)  | 1833.                | 1994. | 1994. | 1994.    |
| CUMULATIVE AREA = 82.15 SQ MI |          |                      |       |       |          |

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .38



|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0235 | 32 | 834.  | * | 1 | 0645 | 82  | 2517. | * | 1 | 1055 | 132 | 3. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 797.  | * | 1 | 0650 | 83  | 2299. | * | 1 | 1100 | 133 | 3. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 761.  | * | 1 | 0655 | 84  | 2090. | * | 1 | 1105 | 134 | 2. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 727.  | * | 1 | 0700 | 85  | 1893. | * | 1 | 1110 | 135 | 2. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 696.  | * | 1 | 0705 | 86  | 1711. | * | 1 | 1115 | 136 | 2. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 671.  | * | 1 | 0710 | 87  | 1545. | * | 1 | 1120 | 137 | 1. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 653.  | * | 1 | 0715 | 88  | 1395. | * | 1 | 1125 | 138 | 1. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 652.  | * | 1 | 0720 | 89  | 1261. | * | 1 | 1130 | 139 | 1. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 679.  | * | 1 | 0725 | 90  | 1141. | * | 1 | 1135 | 140 | 1. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 741.  | * | 1 | 0730 | 91  | 1033. | * | 1 | 1140 | 141 | 1. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 859.  | * | 1 | 0735 | 92  | 934.  | * | 1 | 1145 | 142 | 1. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 1059. | * | 1 | 0740 | 93  | 844.  | * | 1 | 1150 | 143 | 1. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 1324. | * | 1 | 0745 | 94  | 760.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1640. | * | 1 | 0750 | 95  | 681.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1999. | * | 1 | 0755 | 96  | 608.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 2381. | * | 1 | 0800 | 97  | 539.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 2748. | * | 1 | 0805 | 98  | 476.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 3095. | * | 1 | 0810 | 99  | 417.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 3425. | * | 1 | 0815 | 100 | 364.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 5705.   | 4.92     | 2753.                | 1077. | 1077. | 1077.    |
|           | (INCHES) | .312                 | .337  | .337  | .337     |
|           | (AC-FT)  | 1365.                | 1476. | 1476. | 1476.    |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
 SUM OF 4 HYDROGRAPHS  
 PLAN 1, RATIO = .32

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575

| *<br>DA MON HRMN ORD |      |    |      | *<br>FLOW |   |      |    | *<br>DA MON HRMN ORD |   |   |      | *<br>FLOW |      |   |   | *<br>DA MON HRMN ORD |     |    |  | *<br>FLOW |  |  |  |
|----------------------|------|----|------|-----------|---|------|----|----------------------|---|---|------|-----------|------|---|---|----------------------|-----|----|--|-----------|--|--|--|
| 1                    | 0000 | 1  | 0.   | *         | 1 | 0410 | 51 | 2669.                | * | 1 | 0820 | 101       | 191. | * | 1 | 1230                 | 151 | 0. |  |           |  |  |  |
| 1                    | 0005 | 2  | 0.   | *         | 1 | 0415 | 52 | 2907.                | * | 1 | 0825 | 102       | 165. | * | 1 | 1235                 | 152 | 0. |  |           |  |  |  |
| 1                    | 0010 | 3  | 3.   | *         | 1 | 0420 | 53 | 3156.                | * | 1 | 0830 | 103       | 142. | * | 1 | 1240                 | 153 | 0. |  |           |  |  |  |
| 1                    | 0015 | 4  | 9.   | *         | 1 | 0425 | 54 | 3398.                | * | 1 | 0835 | 104       | 123. | * | 1 | 1245                 | 154 | 0. |  |           |  |  |  |
| 1                    | 0020 | 5  | 21.  | *         | 1 | 0430 | 55 | 3617.                | * | 1 | 0840 | 105       | 106. | * | 1 | 1250                 | 155 | 0. |  |           |  |  |  |
| 1                    | 0025 | 6  | 44.  | *         | 1 | 0435 | 56 | 3807.                | * | 1 | 0845 | 106       | 91.  | * | 1 | 1255                 | 156 | 0. |  |           |  |  |  |
| 1                    | 0030 | 7  | 78.  | *         | 1 | 0440 | 57 | 3960.                | * | 1 | 0850 | 107       | 78.  | * | 1 | 1300                 | 157 | 0. |  |           |  |  |  |
| 1                    | 0035 | 8  | 119. | *         | 1 | 0445 | 58 | 4057.                | * | 1 | 0855 | 108       | 67.  | * | 1 | 1305                 | 158 | 0. |  |           |  |  |  |
| 1                    | 0040 | 9  | 168. | *         | 1 | 0450 | 59 | 4102.                | * | 1 | 0900 | 109       | 58.  | * | 1 | 1310                 | 159 | 0. |  |           |  |  |  |
| 1                    | 0045 | 10 | 219. | *         | 1 | 0455 | 60 | 4102.                | * | 1 | 0905 | 110       | 50.  | * | 1 | 1315                 | 160 | 0. |  |           |  |  |  |
| 1                    | 0050 | 11 | 268. | *         | 1 | 0500 | 61 | 4073.                | * | 1 | 0910 | 111       | 43.  | * | 1 | 1320                 | 161 | 0. |  |           |  |  |  |
| 1                    | 0055 | 12 | 312. | *         | 1 | 0505 | 62 | 4025.                | * | 1 | 0915 | 112       | 38.  | * | 1 | 1325                 | 162 | 0. |  |           |  |  |  |
| 1                    | 0100 | 13 | 351. | *         | 1 | 0510 | 63 | 3959.                | * | 1 | 0920 | 113       | 33.  | * | 1 | 1330                 | 163 | 0. |  |           |  |  |  |
| 1                    | 0105 | 14 | 388. | *         | 1 | 0515 | 64 | 3875.                | * | 1 | 0925 | 114       | 28.  | * | 1 | 1335                 | 164 | 0. |  |           |  |  |  |
| 1                    | 0110 | 15 | 423. | *         | 1 | 0520 | 65 | 3776.                | * | 1 | 0930 | 115       | 25.  | * | 1 | 1340                 | 165 | 0. |  |           |  |  |  |
| 1                    | 0115 | 16 | 460. | *         | 1 | 0525 | 66 | 3668.                | * | 1 | 0935 | 116       | 21.  | * | 1 | 1345                 | 166 | 0. |  |           |  |  |  |
| 1                    | 0120 | 17 | 499. | *         | 1 | 0530 | 67 | 3555.                | * | 1 | 0940 | 117       | 19.  | * | 1 | 1350                 | 167 | 0. |  |           |  |  |  |
| 1                    | 0125 | 18 | 535. | *         | 1 | 0535 | 68 | 3439.                | * | 1 | 0945 | 118       | 16.  | * | 1 | 1355                 | 168 | 0. |  |           |  |  |  |
| 1                    | 0130 | 19 | 567. | *         | 1 | 0540 | 69 | 3327.                | * | 1 | 0950 | 119       | 14.  | * | 1 | 1400                 | 169 | 0. |  |           |  |  |  |
| 1                    | 0135 | 20 | 593. | *         | 1 | 0545 | 70 | 3220.                | * | 1 | 0955 | 120       | 13.  | * | 1 | 1405                 | 170 | 0. |  |           |  |  |  |
| 1                    | 0140 | 21 | 610. | *         | 1 | 0550 | 71 | 3116.                | * | 1 | 1000 | 121       | 11.  | * | 1 | 1410                 | 171 | 0. |  |           |  |  |  |
| 1                    | 0145 | 22 | 618. | *         | 1 | 0555 | 72 | 3014.                | * | 1 | 1005 | 122       | 10.  | * | 1 | 1415                 | 172 | 0. |  |           |  |  |  |
| 1                    | 0150 | 23 | 617. | *         | 1 | 0600 | 73 | 2910.                | * | 1 | 1010 | 123       | 8.   | * | 1 | 1420                 | 173 | 0. |  |           |  |  |  |



|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 610.  | * | 1 | 0605 | 74  | 2801. | * | 1 | 1015 | 124 | 7. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 601.  | * | 1 | 0610 | 75  | 2685. | * | 1 | 1020 | 125 | 6. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 589.  | * | 1 | 0615 | 76  | 2560. | * | 1 | 1025 | 126 | 5. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 575.  | * | 1 | 0620 | 77  | 2427. | * | 1 | 1030 | 127 | 5. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 559.  | * | 1 | 0625 | 78  | 2286. | * | 1 | 1035 | 128 | 4. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 540.  | * | 1 | 0630 | 79  | 2138. | * | 1 | 1040 | 129 | 3. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 520.  | * | 1 | 0635 | 80  | 1984. | * | 1 | 1045 | 130 | 3. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 499.  | * | 1 | 0640 | 81  | 1828. | * | 1 | 1050 | 131 | 2. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 478.  | * | 1 | 0645 | 82  | 1672. | * | 1 | 1055 | 132 | 2. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 456.  | * | 1 | 0650 | 83  | 1519. | * | 1 | 1100 | 133 | 1. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 436.  | * | 1 | 0655 | 84  | 1374. | * | 1 | 1105 | 134 | 1. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 417.  | * | 1 | 0700 | 85  | 1237. | * | 1 | 1110 | 135 | 1. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 400.  | * | 1 | 0705 | 86  | 1110. | * | 1 | 1115 | 136 | 1. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 385.  | * | 1 | 0710 | 87  | 996.  | * | 1 | 1120 | 137 | 1. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 373.  | * | 1 | 0715 | 88  | 892.  | * | 1 | 1125 | 138 | 1. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 371.  | * | 1 | 0720 | 89  | 801.  | * | 1 | 1130 | 139 | 1. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 388.  | * | 1 | 0725 | 90  | 719.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 429.  | * | 1 | 0730 | 91  | 646.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 511.  | * | 1 | 0735 | 92  | 580.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 657.  | * | 1 | 0740 | 93  | 521.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 855.  | * | 1 | 0745 | 94  | 467.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1094. | * | 1 | 0750 | 95  | 417.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1367. | * | 1 | 0755 | 96  | 371.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1657. | * | 1 | 0800 | 97  | 328.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1933. | * | 1 | 0805 | 98  | 288.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 2191. | * | 1 | 0810 | 99  | 252.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2432. | * | 1 | 0815 | 100 | 220.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW | TIME  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------------------|-------|-------|----------|
|           |       | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)  |                      |       |       |          |
|           | (CFS) |                      |       |       |          |
| + 4102.   | 4.92  | 1877.                | 726.  | 726.  | 726.     |

CUMULATIVE AREA = 82.15 SQ MI

HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .26

577

[illegible]

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0125 | 18 | 194.  | * | 1 | 0535 | 68  | 2143. | * | 1 | 0945 | 118 | 7. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 206.  | * | 1 | 0540 | 69  | 2056. | * | 1 | 0950 | 119 | 6. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 217.  | * | 1 | 0545 | 70  | 1972. | * | 1 | 0955 | 120 | 6. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 224.  | * | 1 | 0550 | 71  | 1893. | * | 1 | 1000 | 121 | 5. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 228.  | * | 1 | 0555 | 72  | 1816. | * | 1 | 1005 | 122 | 4. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 228.  | * | 1 | 0600 | 73  | 1741. | * | 1 | 1010 | 123 | 4. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 227.  | * | 1 | 0605 | 74  | 1666. | * | 1 | 1015 | 124 | 3. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 225.  | * | 1 | 0610 | 75  | 1590. | * | 1 | 1020 | 125 | 3. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 222.  | * | 1 | 0615 | 76  | 1510. | * | 1 | 1025 | 126 | 2. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 218.  | * | 1 | 0620 | 77  | 1427. | * | 1 | 1030 | 127 | 2. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 214.  | * | 1 | 0625 | 78  | 1338. | * | 1 | 1035 | 128 | 2. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 208.  | * | 1 | 0630 | 79  | 1246. | * | 1 | 1040 | 129 | 1. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 202.  | * | 1 | 0635 | 80  | 1150. | * | 1 | 1045 | 130 | 1. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 194.  | * | 1 | 0640 | 81  | 1051. | * | 1 | 1050 | 131 | 1. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 187.  | * | 1 | 0645 | 82  | 953.  | * | 1 | 1055 | 132 | 1. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 179.  | * | 1 | 0650 | 83  | 858.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 171.  | * | 1 | 0655 | 84  | 766.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 164.  | * | 1 | 0700 | 85  | 681.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 158.  | * | 1 | 0705 | 86  | 603.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 152.  | * | 1 | 0710 | 87  | 532.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 147.  | * | 1 | 0715 | 88  | 469.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 148.  | * | 1 | 0720 | 89  | 414.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 160.  | * | 1 | 0725 | 90  | 365.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 185.  | * | 1 | 0730 | 91  | 322.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 239.  | * | 1 | 0735 | 92  | 284.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 337.  | * | 1 | 0740 | 93  | 251.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 473.  | * | 1 | 0745 | 94  | 222.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 639.  | * | 1 | 0750 | 95  | 195.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 831.  | * | 1 | 0755 | 96  | 171.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1036. | * | 1 | 0800 | 97  | 150.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1228. | * | 1 | 0805 | 98  | 131.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1406. | * | 1 | 0810 | 99  | 113.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1569. | * | 1 | 0815 | 100 | 98.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 2697.   | 4.83     | 1129.                | 427.  | 427.  | 427.     |
|           | (INCHES) | .128                 | .134  | .134  | .134     |
|           | (AC-FT)  | 560.                 | 586.  | 586.  | 586.     |

CUMULATIVE AREA = 82.15 SQ MI

1

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS  
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES  
 TIME TO PEAK IN HOURS

579

| OPERATION | STATION | RATIOS APPLIED TO PRECIPITATION |      |         |         |         |         |         |
|-----------|---------|---------------------------------|------|---------|---------|---------|---------|---------|
|           |         | AREA                            | PLAN | RATIO 1 | RATIO 2 | RATIO 3 | RATIO 4 | RATIO 5 |
|           |         | .62                             | .44  | .38     | .32     | .26     |         |         |

HYDROGRAPH AT

|   |       |      |   |      |       |       |       |       |      |
|---|-------|------|---|------|-------|-------|-------|-------|------|
| + | WSage | 7.86 | 1 | FLOW | 2757. | 1705. | 1364. | 1024. | 708. |
|   |       | TIME |   |      | 3.92  | 3.92  | 3.92  | 3.92  | 4.00 |

ROUTED TO

|   |        |      |   |      |       |       |       |      |      |
|---|--------|------|---|------|-------|-------|-------|------|------|
| + | RWsage | 7.86 | 1 | FLOW | 2325. | 1420. | 1129. | 840. | 574. |
|   |        | TIME |   |      | 5.00  | 5.00  | 5.00  | 5.00 | 5.00 |

HYDROGRAPH AT

|   |      |       |   |      |       |       |       |      |      |
|---|------|-------|---|------|-------|-------|-------|------|------|
| + | RFan | 12.56 | 1 | FLOW | 2505. | 1464. | 1130. | 817. | 537. |
|   |      | TIME  |   |      | 4.50  | 4.50  | 4.50  | 4.50 | 4.50 |

HYDROGRAPH AT

|   |       |       |   |      |       |       |       |       |      |
|---|-------|-------|---|------|-------|-------|-------|-------|------|
| + | NWest | 12.27 | 1 | FLOW | 3938. | 2407. | 1913. | 1422. | 973. |
|   |       | TIME  |   |      | 4.00  | 4.00  | 4.00  | 4.00  | 4.00 |

## 3 COMBINED AT

|   |       |       |   |      |       |       |       |       |       |
|---|-------|-------|---|------|-------|-------|-------|-------|-------|
| + | CRfan | 32.69 | 1 | FLOW | 6245. | 3678. | 2869. | 2088. | 1398. |
|   |       | TIME  |   | 4.25 | 4.25  | 4.25  | 4.17  | 4.17  |       |

## ROUTED TO

|   |        |       |   |      |       |       |       |       |       |
|---|--------|-------|---|------|-------|-------|-------|-------|-------|
| + | RCRfan | 32.69 | 1 | FLOW | 6030. | 3535. | 2749. | 1989. | 1320. |
|   |        | TIME  |   | 5.42 | 5.33  | 5.33  | 5.33  | 5.33  |       |

## HYDROGRAPH AT

|   |       |      |   |      |       |       |       |       |       |
|---|-------|------|---|------|-------|-------|-------|-------|-------|
| + | WCent | 9.40 | 1 | FLOW | 3829. | 2392. | 1921. | 1452. | 1010. |
|   |       | TIME |   | 3.83 | 3.83  | 3.83  | 3.83  | 3.83  |       |

## ROUTED TO

|   |         |      |   |      |       |       |       |       |      |
|---|---------|------|---|------|-------|-------|-------|-------|------|
| + | RCWCent | 9.40 | 1 | FLOW | 3390. | 2085. | 1662. | 1240. | 851. |
|   |         | TIME |   | 4.25 | 4.25  | 4.25  | 4.25  | 4.25  |      |

## HYDROGRAPH AT

|   |        |       |   |      |       |       |       |      |      |
|---|--------|-------|---|------|-------|-------|-------|------|------|
| + | Fplain | 10.61 | 1 | FLOW | 2566. | 1508. | 1164. | 847. | 559. |
|   |        | TIME  |   | 4.25 | 4.25  | 4.25  | 4.25  | 4.25 |      |

## 3 COMBINED AT

|   |         |       |   |      |       |       |       |       |       |
|---|---------|-------|---|------|-------|-------|-------|-------|-------|
| + | CFplain | 52.71 | 1 | FLOW | 8362. | 4696. | 3588. | 2591. | 1717. |
|   |         | TIME  |   | 5.42 | 5.42  | 4.58  | 4.58  | 4.50  |       |

## ROUTED TO

|   |          |       |   |      |       |       |       |       |       |
|---|----------|-------|---|------|-------|-------|-------|-------|-------|
| + | RCFplain | 52.71 | 1 | FLOW | 8271. | 4667. | 3569. | 2573. | 1698. |
|   |          | TIME  |   | 5.83 | 5.75  | 5.17  | 5.17  | 5.08  |       |

## HYDROGRAPH AT

|   |      |      |   |      |       |       |       |      |      |
|---|------|------|---|------|-------|-------|-------|------|------|
| + | SCen | 7.56 | 1 | FLOW | 2430. | 1472. | 1159. | 856. | 577. |
|   |      | TIME |   | 4.00 | 4.00  | 4.00  | 4.00  | 4.00 |      |

## HYDROGRAPH AT

|   |      |       |   |      |       |       |       |      |      |
|---|------|-------|---|------|-------|-------|-------|------|------|
| + | HVal | 11.14 | 1 | FLOW | 2806. | 1648. | 1271. | 927. | 612. |
|   |      | TIME  |   | 4.17 | 4.25  | 4.25  | 4.25  | 4.25 |      |

ROUTED TO

|   |       |       |   |      |       |       |       |      |      |
|---|-------|-------|---|------|-------|-------|-------|------|------|
| + | RHval | 11.14 | 1 | FLOW | 2590. | 1515. | 1165. | 848. | 558. |
|   |       | TIME  |   |      | 5.00  | 5.00  | 5.00  | 5.00 | 5.00 |

HYDROGRAPH AT

|   |      |       |   |      |       |       |       |      |      |
|---|------|-------|---|------|-------|-------|-------|------|------|
| + | SOct | 10.75 | 1 | FLOW | 2766. | 1669. | 1319. | 972. | 659. |
|   |      | TIME  |   |      | 4.25  | 4.25  | 4.25  | 4.25 | 4.25 |

4 COMBINED AT

|   |      |       |   |      |        |       |       |       |       |
|---|------|-------|---|------|--------|-------|-------|-------|-------|
| + | COut | 82.15 | 1 | FLOW | 12884. | 7408. | 5705. | 4102. | 2697. |
|   |      | TIME  |   |      | 5.00   | 4.92  | 4.92  | 4.92  | 4.83  |

HYDROGRAPH AT

|   |       |      |   |      |       |      |      |      |      |
|---|-------|------|---|------|-------|------|------|------|------|
| + | SEast | 3.71 | 1 | FLOW | 1507. | 938. | 752. | 566. | 392. |
|   |       | TIME |   |      | 3.83  | 3.83 | 3.83 | 3.83 | 3.83 |

HYDROGRAPH AT

|   |       |      |   |      |       |      |      |      |      |
|---|-------|------|---|------|-------|------|------|------|------|
| + | SWest | 2.16 | 1 | FLOW | 1149. | 726. | 585. | 447. | 310. |
|   |       | TIME |   |      | 3.67  | 3.67 | 3.67 | 3.67 | 3.67 |

3 COMBINED AT

|   |        |       |   |      |        |       |       |       |       |
|---|--------|-------|---|------|--------|-------|-------|-------|-------|
| + | CTotal | 88.02 | 1 | FLOW | 13679. | 7778. | 5927. | 4219. | 2736. |
|   |        | TIME  |   |      | 5.00   | 5.00  | 4.92  | 4.92  | 4.83  |

\*\*\* NORMAL END OF HEC-1 \*\*\*

NOTE: Flowrates calculated in cfs

```
1*****
*                                     *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998                        *
*   VERSION 4.1                     *
*                                     *
* RUN DATE 13AUG10 TIME 14:24:53 *
*                                     *
*****

*****
*                                     *
* U.S. ARMY CORPS OF ENGINEERS    *
* HYDROLOGIC ENGINEERING CENTER   *
* 609 SECOND STREET               *
* DAVIS, CALIFORNIA 95616         *
* (916) 756-1104                  *
*                                     *
*****
```

```

X  X XXXXXXXX XXXXX      X
X  X X      X  X      XX
X  X X      X      X
XXXXXXX XXXX  X  XXXXX X
X  X X      X      X
X  X X      X  X      X
X  X XXXXXXXX XXXXX      XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.

THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION  
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,  
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION  
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

\*DIAGRAM

\*\*\* FREE \*\*\*

```

1 ID *****
2 ID * .....*
3 ID * : : *
4 ID * : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
5 ID * : OF ANTECEDENT MOISTURE CONTENT ON : *
6 ID * : MODEL-GENERATED RUNOFF : *
7 ID * : FROM AN ARID WATERSHED : *
8 ID * : : *
9 ID * : .....*
10 ID * : RETURN PERIOD__ _ 100-YEAR : *
11 ID * : DISTRIBUTION__ _ 6-HOUR SDN 5 : *
12 ID * : FILENAME_____ 1_day_Keffx4.h1 : *
13 ID * : DATE_____ 08/9/10 : *
14 ID * : MODELED BY_____ WJM : *
15 ID * : .....*
16 ID *****
17 ID * : : *
18 ID * : 1. Total watershed area is 88 sq. mi. : *
19 ID * : 2. DARF is 0.62 for area : *
20 ID * : 3. 500 Year Precip. Value is 3.02 in. : *
21 ID * : 4. 500 Year DARF value 0.62 : *
22 ID * : 5. 100 Year DARF value 0.44 : *
23 ID * : 6. 50 Year DARF value 0.38 : *
24 ID * : 7. 25 Year DARF value 0.32 : *
25 ID * : 8. 10 Year DARF Value 0.26 : *
26 ID * : 9. 2 Year DARF Value 0.15 : *
27 ID * : 10. USBR Lag time : *
28 ID * : .....*
29 ID *****
30 ID
31 IT 5 0000 000 200
32 IO 5

```



|    |    |                |       |       |       |       |       |       |       |       |       |  |
|----|----|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 33 | IN | 5              | 0     | 0     |       |       |       |       |       |       |       |  |
| 34 | JR | PREC           | 0.62  | 0.44  | 0.38  | 0.32  | 0.26  |       |       |       |       |  |
| 35 | KK | WSage          |       |       |       |       |       |       |       |       |       |  |
| 36 | KM | White Sage Gap |       |       |       |       |       |       |       |       |       |  |
| 37 | BA | 7.859          |       |       |       |       |       |       |       |       |       |  |
| 38 | PB | 3.02           |       |       |       |       |       |       |       |       |       |  |
| 39 | PC | 0.000          | 0.020 | 0.059 | 0.080 | 0.110 | 0.144 | 0.150 | 0.160 | 0.168 | 0.171 |  |
| 40 | PC | 0.180          | 0.182 | 0.187 | 0.190 | 0.197 | 0.202 | 0.210 | 0.220 | 0.230 | 0.241 |  |
| 41 | PC | 0.250          | 0.259 | 0.265 | 0.280 | 0.290 | 0.300 | 0.305 | 0.309 | 0.310 | 0.317 |  |
| 42 | PC | 0.321          | 0.327 | 0.333 | 0.346 | 0.361 | 0.381 | 0.408 | 0.430 | 0.477 | 0.514 |  |
| 43 | PC | 0.561          | 0.630 | 0.710 | 0.720 | 0.731 | 0.752 | 0.779 | 0.790 | 0.795 | 0.804 |  |
| 44 | PC | 0.810          | 0.820 | 0.826 | 0.840 | 0.859 | 0.889 | 0.910 | 0.938 | 0.966 | 0.970 |  |
| 45 | PC | 0.974          | 0.979 | 0.981 | 0.983 | 0.985 | 0.989 | 0.990 | 0.992 | 0.993 | 0.996 |  |
| 46 | PC | 0.997          | 0.999 | 1.000 |       |       |       |       |       |       |       |  |
| 47 | KM | Ia Deficit     | Cap   | Ks    | IMP   |       |       |       |       |       |       |  |
| 48 | LG | 0.046          | 0.271 | 1.426 | 0.230 | 0.855 |       |       |       |       |       |  |
| 49 | UD | 0.60           |       |       |       |       |       |       |       |       |       |  |

\*

HEC-1 INPUT

PAGE 2

|      |                                                                 |
|------|-----------------------------------------------------------------|
| LINE | ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10 |
|------|-----------------------------------------------------------------|

|    |    |                          |      |      |  |
|----|----|--------------------------|------|------|--|
| 50 | KK | RWsage                   |      |      |  |
| 51 | KM | Route WSage through RFan |      |      |  |
| 52 | KM | N                        | K    | X    |  |
| 53 | RM | 12                       | 1.03 | 0.15 |  |

\*

|    |    |                  |       |       |             |
|----|----|------------------|-------|-------|-------------|
| 54 | KK | RFan             |       |       |             |
| 55 | KM | Red Alluvial Fan |       |       |             |
| 56 | BA | 12.565           |       |       |             |
| 57 | PB | 3.02             |       |       |             |
| 58 | KM | Ia Deficit       | Cap   | Ks    | IMP         |
| 59 | LG | 0.038            | 0.274 | 1.695 | 0.264 0.277 |
| 60 | UD | 1.19             |       |       |             |

\*  
 61 KK NWest  
 62 KM North west mountains  
 63 BA 12.269  
 64 PB 3.02  
 65 KM Ia Deficit Cap Ks IMP  
 66 LG 0.036 0.266 1.526 0.239 0.552  
 67 UD 0.67  
 \*  
 68 KK CRfan  
 69 KM Redfan concentration point  
 70 KO 2  
 71 HC 3  
 \*  
 72 KK RCRfan  
 73 KM Route Redfan concentration point  
 74 KM through channel at west side of floodplain  
 75 KM N K X  
 76 RM 11 0.94 0.15  
 \*  
 77 KK WCent  
 78 KM West central mountains  
 79 BA 9.403  
 80 PB 3.02  
 81 KM Ia Deficit Cap Ks IMP  
 82 LG 0.042 0.275 1.494 0.239 0.407  
 83 UD 0.46  
 \*  
 84 KK RCWCent  
 85 KM Route CWCent along west side of floodplain  
 86 KM N K X  
 87 RM 5 0.45 0.15

\*

## HEC-1 INPUT

PAGE 3

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

88 KK Fplain

89 KM Floodplain

90 BA 10.614

91 PB 3.02

92 KM Ia Deficit Cap Ks IMP

93 LG 0.043 0.304 1.482 0.271 0.245

94 UD 0.92

\*

95 KK CFplain

96 KO 2

97 HC 3

\*

98 KKRCFplain

99 KM Route Flood plain concentration point

100 KM N K X

101 RM 5 0.44 0.15

\*

102 KK SCen

103 KM South central mountains

104 BA 7.562

105 PB 3.02

106 KM Ia Deficit Cap Ks IMP

107 LG 0.041 0.292 1.547 0.258 0.247

108 UD 0.64

\*

109 KK HVal

110 KM High valley on east side of watershed

111 BA 11.137  
 112 PB 3.02  
 113 KM Ia Deficit Cap Ks IMP  
 114 LG 0.049 0.287 1.580 0.278 0.630  
 115 UD 0.86  
 116 KO 2

\*

117 KK RHval  
 118 KM Route High Valley basin  
 119 KM N K X  
 120 RM 9 0.75 0.15

\*

121 KK SOct  
 122 KM South octagon area and east mountains  
 123 BA 10.746  
 124 PB 3.02  
 125 KM Ia Deficit Cap Ks IMP  
 126 LG 0.039 0.266 1.481 0.234 0.246  
 127 UD 0.92

\*

1 HEC-1 INPUT PAGE 4

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

128 KK COut  
 129 KO 2  
 130 HC 4

\*

131 KK SEast  
 132 KM Southeast adjacent basin  
 133 BA 3.707  
 134 PB 3.02  
 135 KM Ia Deficit Cap Ks IMP

136 LG 0.044 0.277 1.559 0.248 0.653  
 137 UD 0.45  
 \*

138 KK SWest  
 139 KM South west adjacent basin  
 140 BA 2.156  
 141 PB 3.02  
 142 KM Ia Deficit Cap Ks IMP  
 143 LG 0.039 0.296 1.674 0.274 0.680  
 144 UD 0.25  
 \*

145 KK CTotal  
 146 KM KO 2  
 147 HC 3  
 \*

148 ZZ

588

1

# SCHEMATIC DIAGRAM OF STREAM NETWORK

## INPUT

LINE (V) ROUTING (--->) DIVERSION OR PUMP FLOW

NO. (.) CONNECTOR (<---) RETURN OF DIVERTED OR PUMPED FLOW

35 WSage

V

V

50 RWsage

.

.

54 . RFan

.

.

61 . . NWest

.

.

|     |              |         |        |      |  |
|-----|--------------|---------|--------|------|--|
| 68  | CRfan.....   | V       |        |      |  |
|     |              | V       |        |      |  |
| 72  | RCRfan       |         |        |      |  |
|     | .            |         |        |      |  |
|     | .            |         |        |      |  |
| 77  | .            | WCent   |        |      |  |
|     | .            | V       |        |      |  |
|     | .            | V       |        |      |  |
| 84  | .            | RCWCent |        |      |  |
|     | .            | .       |        |      |  |
|     | .            | .       |        |      |  |
| 88  | .            | .       | Fplain |      |  |
|     | .            | .       | .      |      |  |
|     | .            | .       | .      |      |  |
| 95  | CFplain..... | V       |        |      |  |
|     |              | V       |        |      |  |
| 98  | RCFplain     |         |        |      |  |
|     | .            |         |        |      |  |
|     | .            |         |        |      |  |
| 102 | .            | SCen    |        |      |  |
|     | .            | .       |        |      |  |
|     | .            | .       |        |      |  |
| 109 | .            | .       | HVal   |      |  |
|     | .            | .       | V      |      |  |
|     | .            | .       | V      |      |  |
| 117 | .            | .       | RHval  |      |  |
|     | .            | .       | .      |      |  |
|     | .            | .       | .      |      |  |
| 121 | .            | .       | .      | SOct |  |
|     | .            | .       | .      | .    |  |
|     | .            | .       | .      | .    |  |
| 128 | COut.....    |         |        |      |  |
|     | .            |         |        |      |  |
|     | .            |         |        |      |  |
| 131 | .            | SEast   |        |      |  |

138 . . SWest

145 CTotal.....

(\*\*\*) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****
*                                     *
*      *                               *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *      * U.S. ARMY CORPS OF ENGINEERS *
*   JUN 1998                        * HYDROLOGIC ENGINEERING CENTER *
*   VERSION 4.1                     *   609 SECOND STREET *
*                                     * DAVIS, CALIFORNIA 95616 *
* RUN DATE 13AUG10 TIME 14:24:53 *      * (916) 756-1104 *
*                                     *
*****
```

590

```
*****
* .....*
* . : *
* : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
* : OF ANTECEDENT MOISTURE CONTENT ON : *
* : MODEL-GENERATED RUNOFF : *
* : FROM AN ARID WATERSHED : *
* : : *
* .....*
* : RETURN PERIOD_ _ 100-YEAR : *
* : DISTRIBUTION_ _ _ 6-HOUR SDN 5 : *
* : FILENAME_ _ _ _ 1_day_Keffx4.h1 : *
* : DATE_ _ _ _ _ 08/9/10 : *
* : MODELED BY_ _ _ _ WJM : *
* .....*
```

```

*****
* :                               : *
* : 1. Total watershed area is 88 sq. mi.      : *
* : 2. DARF is 0.62 for area                   : *
* : 3. 500 Year Precip. Value is 3.02 in.      : *
* : 4. 500 Year DARF value 0.62                : *
* : 5. 100 Year DARF value 0.44                : *
* : 6. 50 Year DARF value 0.38                 : *
* : 7. 25 Year DARF value 0.32                 : *
* : 8. 10 Year DARF Value 0.26                 : *
* : 9. 2 Year DARF Value 0.15                  : *
* :10. USBR Lag time                           : *
* ..... : *
*****

```

591

```

32 IO  OUTPUT CONTROL VARIABLES
        IPRNT      5 PRINT CONTROL
        IPLOT      0 PLOT CONTROL
        QSCAL      0. HYDROGRAPH PLOT SCALE

IT      HYDROGRAPH TIME DATA
        NMIN       5 MINUTES IN COMPUTATION INTERVAL
        IDATE      1 00 0 STARTING DATE
        ITIME      0000 STARTING TIME
        NQ         200 NUMBER OF HYDROGRAPH ORDINATES
        NDDATE     1 0 ENDING DATE
        NDTIME     1635 ENDING TIME
        ICENT      19 CENTURY MARK

        COMPUTATION INTERVAL .08 HOURS
        TOTAL TIME BASE 16.58 HOURS

```

```

ENGLISH UNITS
DRAINAGE AREA    SQUARE MILES
PRECIPITATION DEPTH INCHES
LENGTH, ELEVATION FEET

```



FLOW CUBIC FEET PER SECOND  
STORAGE VOLUME ACRE-FEET  
SURFACE AREA ACRES  
TEMPERATURE DEGREES FAHRENHEIT

JP MULTI-PLAN OPTION  
NPLAN 1 NUMBER OF PLANS

JR MULTI-RATIO OPTION  
RATIOS OF PRECIPITATION  
.62 .44 .38 .32 .26

\*\*\*\*\*

592

\*\*\*\*\*  
\* \*  
68 KK \* CRfan \*  
\* \*  
\*\*\*\*\*

70 KO OUTPUT CONTROL VARIABLES  
IPRNT 2 PRINT CONTROL  
IPLOT 0 PLOT CONTROL  
QSCAL 0. HYDROGRAPH PLOT SCALE

71 HC HYDROGRAPH COMBINATION  
ICOMP 3 NUMBER OF HYDROGRAPHS TO COMBINE

\*\*\*

\*\*\*\*\*  
\*\*

HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .62

\*\*\*\*\*

\*\*

593

| *<br>DA MON HRMN ORD |      |    |     |   | *<br>FLOW |      |    |       |   | *<br>DA MON HRMN ORD |      |     |     |   | *<br>FLOW |      |     |    |  | *<br>DA MON HRMN ORD |      |     |    |  | *<br>FLOW |      |     |    |  |
|----------------------|------|----|-----|---|-----------|------|----|-------|---|----------------------|------|-----|-----|---|-----------|------|-----|----|--|----------------------|------|-----|----|--|-----------|------|-----|----|--|
| 1                    | 0000 | 1  | 0.  | * | 1         | 0410 | 51 | 4843. | * | 1                    | 0820 | 101 | 50. | * | 1         | 1230 | 151 | 0. |  | 1                    | 1230 | 151 | 0. |  | 1         | 1230 | 151 | 0. |  |
| 1                    | 0005 | 2  | 0.  | * | 1         | 0415 | 52 | 4867. | * | 1                    | 0825 | 102 | 44. | * | 1         | 1235 | 152 | 0. |  | 1                    | 1235 | 152 | 0. |  | 1         | 1235 | 152 | 0. |  |
| 1                    | 0010 | 3  | 0.  | * | 1         | 0420 | 53 | 4835. | * | 1                    | 0830 | 103 | 39. | * | 1         | 1240 | 153 | 0. |  | 1                    | 1240 | 153 | 0. |  | 1         | 1240 | 153 | 0. |  |
| 1                    | 0015 | 4  | 1.  | * | 1         | 0425 | 54 | 4773. | * | 1                    | 0835 | 104 | 35. | * | 1         | 1245 | 154 | 0. |  | 1                    | 1245 | 154 | 0. |  | 1         | 1245 | 154 | 0. |  |
| 1                    | 0020 | 5  | 2.  | * | 1         | 0430 | 55 | 4686. | * | 1                    | 0840 | 105 | 31. | * | 1         | 1250 | 155 | 0. |  | 1                    | 1250 | 155 | 0. |  | 1         | 1250 | 155 | 0. |  |
| 1                    | 0025 | 6  | 5.  | * | 1         | 0435 | 56 | 4629. | * | 1                    | 0845 | 106 | 27. | * | 1         | 1255 | 156 | 0. |  | 1                    | 1255 | 156 | 0. |  | 1         | 1255 | 156 | 0. |  |
| 1                    | 0030 | 7  | 10. | * | 1         | 0440 | 57 | 4626. | * | 1                    | 0850 | 107 | 23. | * | 1         | 1300 | 157 | 0. |  | 1                    | 1300 | 157 | 0. |  | 1         | 1300 | 157 | 0. |  |
| 1                    | 0035 | 8  | 16. | * | 1         | 0445 | 58 | 4648. | * | 1                    | 0855 | 108 | 20. | * | 1         | 1305 | 158 | 0. |  | 1                    | 1305 | 158 | 0. |  | 1         | 1305 | 158 | 0. |  |
| 1                    | 0040 | 9  | 23. | * | 1         | 0450 | 59 | 4669. | * | 1                    | 0900 | 109 | 18. | * | 1         | 1310 | 159 | 0. |  | 1                    | 1310 | 159 | 0. |  | 1         | 1310 | 159 | 0. |  |
| 1                    | 0045 | 10 | 32. | * | 1         | 0455 | 60 | 4681. | * | 1                    | 0905 | 110 | 15. | * | 1         | 1315 | 160 | 0. |  | 1                    | 1315 | 160 | 0. |  | 1         | 1315 | 160 | 0. |  |
| 1                    | 0050 | 11 | 39. | * | 1         | 0500 | 61 | 4655. | * | 1                    | 0910 | 111 | 13. | * | 1         | 1320 | 161 | 0. |  | 1                    | 1320 | 161 | 0. |  | 1         | 1320 | 161 | 0. |  |
| 1                    | 0055 | 12 | 44. | * | 1         | 0505 | 62 | 4578. | * | 1                    | 0915 | 112 | 11. | * | 1         | 1325 | 162 | 0. |  | 1                    | 1325 | 162 | 0. |  | 1         | 1325 | 162 | 0. |  |
| 1                    | 0100 | 13 | 47. | * | 1         | 0510 | 63 | 4436. | * | 1                    | 0920 | 113 | 9.  | * | 1         | 1330 | 163 | 0. |  | 1                    | 1330 | 163 | 0. |  | 1         | 1330 | 163 | 0. |  |
| 1                    | 0105 | 14 | 48. | * | 1         | 0515 | 64 | 4224. | * | 1                    | 0925 | 114 | 7.  | * | 1         | 1335 | 164 | 0. |  | 1                    | 1335 | 164 | 0. |  | 1         | 1335 | 164 | 0. |  |
| 1                    | 0110 | 15 | 47. | * | 1         | 0520 | 65 | 3948. | * | 1                    | 0930 | 115 | 6.  | * | 1         | 1340 | 165 | 0. |  | 1                    | 1340 | 165 | 0. |  | 1         | 1340 | 165 | 0. |  |
| 1                    | 0115 | 16 | 46. | * | 1         | 0525 | 66 | 3641. | * | 1                    | 0935 | 116 | 5.  | * | 1         | 1345 | 166 | 0. |  | 1                    | 1345 | 166 | 0. |  | 1         | 1345 | 166 | 0. |  |
| 1                    | 0120 | 17 | 45. | * | 1         | 0530 | 67 | 3329. | * | 1                    | 0940 | 117 | 4.  | * | 1         | 1350 | 167 | 0. |  | 1                    | 1350 | 167 | 0. |  | 1         | 1350 | 167 | 0. |  |
| 1                    | 0125 | 18 | 44. | * | 1         | 0535 | 68 | 3021. | * | 1                    | 0945 | 118 | 4.  | * | 1         | 1355 | 168 | 0. |  | 1                    | 1355 | 168 | 0. |  | 1         | 1355 | 168 | 0. |  |
| 1                    | 0130 | 19 | 44. | * | 1         | 0540 | 69 | 2730. | * | 1                    | 0950 | 119 | 3.  | * | 1         | 1400 | 169 | 0. |  | 1                    | 1400 | 169 | 0. |  | 1         | 1400 | 169 | 0. |  |
| 1                    | 0135 | 20 | 45. | * | 1         | 0545 | 70 | 2471. | * | 1                    | 0955 | 120 | 3.  | * | 1         | 1405 | 170 | 0. |  | 1                    | 1405 | 170 | 0. |  | 1         | 1405 | 170 | 0. |  |
| 1                    | 0140 | 21 | 48. | * | 1         | 0550 | 71 | 2248. | * | 1                    | 1000 | 121 | 3.  | * | 1         | 1410 | 171 | 0. |  | 1                    | 1410 | 171 | 0. |  | 1         | 1410 | 171 | 0. |  |
| 1                    | 0145 | 22 | 50. | * | 1         | 0555 | 72 | 2062. | * | 1                    | 1005 | 122 | 2.  | * | 1         | 1415 | 172 | 0. |  | 1                    | 1415 | 172 | 0. |  | 1         | 1415 | 172 | 0. |  |
| 1                    | 0150 | 23 | 53. | * | 1         | 0600 | 73 | 1913. | * | 1                    | 1010 | 123 | 2.  | * | 1         | 1420 | 173 | 0. |  | 1                    | 1420 | 173 | 0. |  | 1         | 1420 | 173 | 0. |  |
| 1                    | 0155 | 24 | 54. | * | 1         | 0605 | 74 | 1782. | * | 1                    | 1015 | 124 | 2.  | * | 1         | 1425 | 174 | 0. |  | 1                    | 1425 | 174 | 0. |  | 1         | 1425 | 174 | 0. |  |
| 1                    | 0200 | 25 | 54. | * | 1         | 0610 | 75 | 1660. | * | 1                    | 1020 | 125 | 1.  | * | 1         | 1430 | 175 | 0. |  | 1                    | 1430 | 175 | 0. |  | 1         | 1430 | 175 | 0. |  |
| 1                    | 0205 | 26 | 53. | * | 1         | 0615 | 76 | 1541. | * | 1                    | 1025 | 126 | 1.  | * | 1         | 1435 | 176 | 0. |  | 1                    | 1435 | 176 | 0. |  | 1         | 1435 | 176 | 0. |  |
| 1                    | 0210 | 27 | 51. | * | 1         | 0620 | 77 | 1417. | * | 1                    | 1030 | 127 | 1.  | * | 1         | 1440 | 177 | 0. |  | 1                    | 1440 | 177 | 0. |  | 1         | 1440 | 177 | 0. |  |

594

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0215 | 28 | 48.   | * | 1 | 0625 | 78  | 1289. | * | 1 | 1035 | 128 | 1. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 45.   | * | 1 | 0630 | 79  | 1157. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 41.   | * | 1 | 0635 | 80  | 1024. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 38.   | * | 1 | 0640 | 81  | 896.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 35.   | * | 1 | 0645 | 82  | 777.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 32.   | * | 1 | 0650 | 83  | 669.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 29.   | * | 1 | 0655 | 84  | 575.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 27.   | * | 1 | 0700 | 85  | 494.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 27.   | * | 1 | 0705 | 86  | 424.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 38.   | * | 1 | 0710 | 87  | 364.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 63.   | * | 1 | 0715 | 88  | 313.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 126.  | * | 1 | 0720 | 89  | 269.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 245.  | * | 1 | 0725 | 90  | 231.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 438.  | * | 1 | 0730 | 91  | 199.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 738.  | * | 1 | 0735 | 92  | 172.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 1185. | * | 1 | 0740 | 93  | 149.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 1738. | * | 1 | 0745 | 94  | 129.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 2354. | * | 1 | 0750 | 95  | 112.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 3005. | * | 1 | 0755 | 96  | 97.   | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 3632. | * | 1 | 0800 | 97  | 84.   | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 4137. | * | 1 | 0805 | 98  | 74.   | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 4489. | * | 1 | 0810 | 99  | 64.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 4719. | * | 1 | 0815 | 100 | 56.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + 4867.              | 4.25         | 1857.                | 679.  | 679.  | 679.     |
|                      | (INCHES)     | .528                 | .533  | .533  | .533     |
|                      | (AC-FT)      | 921.                 | 930.  | 930.  | 930.     |

CUMULATIVE AREA = 32.69 SQ MI

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .44

\*\*\*\*\*  
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595

| *<br>DA MON HRMN ORD |      |    |     | *<br>FLOW * DA MON HRMN ORD |      |    |       | *<br>FLOW * DA MON HRMN ORD |      |     |     | *<br>FLOW * DA MON HRMN ORD |      |     |    | *<br>FLOW * DA MON HRMN ORD |  |  |  |
|----------------------|------|----|-----|-----------------------------|------|----|-------|-----------------------------|------|-----|-----|-----------------------------|------|-----|----|-----------------------------|--|--|--|
| *                    |      |    |     | *                           |      |    |       | *                           |      |     |     | *                           |      |     |    | *                           |  |  |  |
| 1                    | 0000 | 1  | 0.  | * 1                         | 0410 | 51 | 2371. | * 1                         | 0820 | 101 | 17. | * 1                         | 1230 | 151 | 0. |                             |  |  |  |
| 1                    | 0005 | 2  | 0.  | * 1                         | 0415 | 52 | 2365. | * 1                         | 0825 | 102 | 15. | * 1                         | 1235 | 152 | 0. |                             |  |  |  |
| 1                    | 0010 | 3  | 0.  | * 1                         | 0420 | 53 | 2332. | * 1                         | 0830 | 103 | 13. | * 1                         | 1240 | 153 | 0. |                             |  |  |  |
| 1                    | 0015 | 4  | 1.  | * 1                         | 0425 | 54 | 2284. | * 1                         | 0835 | 104 | 12. | * 1                         | 1245 | 154 | 0. |                             |  |  |  |
| 1                    | 0020 | 5  | 2.  | * 1                         | 0430 | 55 | 2226. | * 1                         | 0840 | 105 | 10. | * 1                         | 1250 | 155 | 0. |                             |  |  |  |
| 1                    | 0025 | 6  | 3.  | * 1                         | 0435 | 56 | 2190. | * 1                         | 0845 | 106 | 9.  | * 1                         | 1255 | 156 | 0. |                             |  |  |  |
| 1                    | 0030 | 7  | 4.  | * 1                         | 0440 | 57 | 2188. | * 1                         | 0850 | 107 | 8.  | * 1                         | 1300 | 157 | 0. |                             |  |  |  |
| 1                    | 0035 | 8  | 6.  | * 1                         | 0445 | 58 | 2199. | * 1                         | 0855 | 108 | 7.  | * 1                         | 1305 | 158 | 0. |                             |  |  |  |
| 1                    | 0040 | 9  | 8.  | * 1                         | 0450 | 59 | 2204. | * 1                         | 0900 | 109 | 6.  | * 1                         | 1310 | 159 | 0. |                             |  |  |  |
| 1                    | 0045 | 10 | 9.  | * 1                         | 0455 | 60 | 2197. | * 1                         | 0905 | 110 | 5.  | * 1                         | 1315 | 160 | 0. |                             |  |  |  |
| 1                    | 0050 | 11 | 10. | * 1                         | 0500 | 61 | 2162. | * 1                         | 0910 | 111 | 4.  | * 1                         | 1320 | 161 | 0. |                             |  |  |  |
| 1                    | 0055 | 12 | 11. | * 1                         | 0505 | 62 | 2096. | * 1                         | 0915 | 112 | 3.  | * 1                         | 1325 | 162 | 0. |                             |  |  |  |
| 1                    | 0100 | 13 | 12. | * 1                         | 0510 | 63 | 1997. | * 1                         | 0920 | 113 | 2.  | * 1                         | 1330 | 163 | 0. |                             |  |  |  |
| 1                    | 0105 | 14 | 12. | * 1                         | 0515 | 64 | 1866. | * 1                         | 0925 | 114 | 2.  | * 1                         | 1335 | 164 | 0. |                             |  |  |  |
| 1                    | 0110 | 15 | 13. | * 1                         | 0520 | 65 | 1708. | * 1                         | 0930 | 115 | 1.  | * 1                         | 1340 | 165 | 0. |                             |  |  |  |
| 1                    | 0115 | 16 | 13. | * 1                         | 0525 | 66 | 1540. | * 1                         | 0935 | 116 | 1.  | * 1                         | 1345 | 166 | 0. |                             |  |  |  |
| 1                    | 0120 | 17 | 13. | * 1                         | 0530 | 67 | 1378. | * 1                         | 0940 | 117 | 1.  | * 1                         | 1350 | 167 | 0. |                             |  |  |  |
| 1                    | 0125 | 18 | 14. | * 1                         | 0535 | 68 | 1225. | * 1                         | 0945 | 118 | 1.  | * 1                         | 1355 | 168 | 0. |                             |  |  |  |
| 1                    | 0130 | 19 | 14. | * 1                         | 0540 | 69 | 1085. | * 1                         | 0950 | 119 | 1.  | * 1                         | 1400 | 169 | 0. |                             |  |  |  |
| 1                    | 0135 | 20 | 15. | * 1                         | 0545 | 70 | 962.  | * 1                         | 0955 | 120 | 1.  | * 1                         | 1405 | 170 | 0. |                             |  |  |  |
| 1                    | 0140 | 21 | 16. | * 1                         | 0550 | 71 | 857.  | * 1                         | 1000 | 121 | 1.  | * 1                         | 1410 | 171 | 0. |                             |  |  |  |

|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0145 | 22 | 17.   | * | 1 | 0555 | 72  | 770. | * | 1 | 1005 | 122 | 1. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 17.   | * | 1 | 0600 | 73  | 700. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 18.   | * | 1 | 0605 | 74  | 641. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 18.   | * | 1 | 0610 | 75  | 588. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 18.   | * | 1 | 0615 | 76  | 540. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 17.   | * | 1 | 0620 | 77  | 492. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 17.   | * | 1 | 0625 | 78  | 445. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 17.   | * | 1 | 0630 | 79  | 399. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 16.   | * | 1 | 0635 | 80  | 352. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 16.   | * | 1 | 0640 | 81  | 308. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 15.   | * | 1 | 0645 | 82  | 267. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 15.   | * | 1 | 0650 | 83  | 230. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 14.   | * | 1 | 0655 | 84  | 197. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 14.   | * | 1 | 0700 | 85  | 169. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 14.   | * | 1 | 0705 | 86  | 144. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 14.   | * | 1 | 0710 | 87  | 124. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 14.   | * | 1 | 0715 | 88  | 106. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 27.   | * | 1 | 0720 | 89  | 91.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 58.   | * | 1 | 0725 | 90  | 78.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 119.  | * | 1 | 0730 | 91  | 67.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 235.  | * | 1 | 0735 | 92  | 58.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 440.  | * | 1 | 0740 | 93  | 50.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 713.  | * | 1 | 0745 | 94  | 43.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1034. | * | 1 | 0750 | 95  | 37.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1388. | * | 1 | 0755 | 96  | 32.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1736. | * | 1 | 0800 | 97  | 28.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 2014. | * | 1 | 0805 | 98  | 24.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 2205. | * | 1 | 0810 | 99  | 21.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2321. | * | 1 | 0815 | 100 | 19.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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PEAK FLOW    TIME                    MAXIMUM AVERAGE FLOW  
                                          6-HR    24-HR    72-HR    16.58-HR  
 + (CFS)    (HR)

597

HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .38

[illegible]

|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0115 | 16 | 11.   | * | 1 | 0525 | 66  | 959. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 11.   | * | 1 | 0530 | 67  | 841. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 12.   | * | 1 | 0535 | 68  | 732. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 12.   | * | 1 | 0540 | 69  | 635. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 13.   | * | 1 | 0545 | 70  | 552. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 14.   | * | 1 | 0550 | 71  | 482. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 14.   | * | 1 | 0555 | 72  | 424. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 15.   | * | 1 | 0600 | 73  | 377. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 15.   | * | 1 | 0605 | 74  | 338. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 15.   | * | 1 | 0610 | 75  | 304. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 15.   | * | 1 | 0615 | 76  | 274. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 15.   | * | 1 | 0620 | 77  | 246. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 15.   | * | 1 | 0625 | 78  | 220. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 14.   | * | 1 | 0630 | 79  | 195. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 14.   | * | 1 | 0635 | 80  | 171. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 13.   | * | 1 | 0640 | 81  | 149. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 13.   | * | 1 | 0645 | 82  | 129. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 13.   | * | 1 | 0650 | 83  | 110. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 12.   | * | 1 | 0655 | 84  | 94.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 12.   | * | 1 | 0700 | 85  | 80.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 12.   | * | 1 | 0705 | 86  | 69.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 12.   | * | 1 | 0710 | 87  | 59.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 12.   | * | 1 | 0715 | 88  | 50.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 20.   | * | 1 | 0720 | 89  | 43.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 37.   | * | 1 | 0725 | 90  | 37.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 71.   | * | 1 | 0730 | 91  | 31.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 143.  | * | 1 | 0735 | 92  | 27.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 276.  | * | 1 | 0740 | 93  | 23.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 460.  | * | 1 | 0745 | 94  | 20.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 681.  | * | 1 | 0750 | 95  | 17.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 932.  | * | 1 | 0755 | 96  | 15.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1183. | * | 1 | 0800 | 97  | 13.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1384. | * | 1 | 0805 | 98  | 11.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1520. | * | 1 | 0810 | 99  | 10.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1601. | * | 1 | 0815 | 100 | 9.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |      |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 1632.   | 4.17     | 528.                 | 193.  | 193.  | 193.     |
|           | (INCHES) | .150                 | .151  | .151  | .151     |
|           | (AC-FT)  | 262.                 | 264.  | 264.  | 264.     |

CUMULATIVE AREA = 32.69 SQ MI

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .32

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| *  |      |      |     | *    |   |      |     | *    |     |      |      | *   |     |      |     | *    |     |    |     |      |     |      |
|----|------|------|-----|------|---|------|-----|------|-----|------|------|-----|-----|------|-----|------|-----|----|-----|------|-----|------|
| DA | MON  | HRMN | ORD | FLOW | * | DA   | MON | HRMN | ORD | FLOW | *    | DA  | MON | HRMN | ORD | FLOW | *   | DA | MON | HRMN | ORD | FLOW |
| *  |      |      |     | *    |   |      |     | *    |     |      |      | *   |     |      |     | *    |     |    |     |      |     |      |
| 1  | 0000 | 1    | 0.  | *    | 1 | 0410 | 51  | 956. | *   | 1    | 0820 | 101 | 4.  | *    | 1   | 1230 | 151 | 0. |     |      |     |      |
| 1  | 0005 | 2    | 0.  | *    | 1 | 0415 | 52  | 954. | *   | 1    | 0825 | 102 | 4.  | *    | 1   | 1235 | 152 | 0. |     |      |     |      |
| 1  | 0010 | 3    | 0.  | *    | 1 | 0420 | 53  | 940. | *   | 1    | 0830 | 103 | 3.  | *    | 1   | 1240 | 153 | 0. |     |      |     |      |
| 1  | 0015 | 4    | 1.  | *    | 1 | 0425 | 54  | 917. | *   | 1    | 0835 | 104 | 3.  | *    | 1   | 1245 | 154 | 0. |     |      |     |      |
| 1  | 0020 | 5    | 1.  | *    | 1 | 0430 | 55  | 886. | *   | 1    | 0840 | 105 | 3.  | *    | 1   | 1250 | 155 | 0. |     |      |     |      |
| 1  | 0025 | 6    | 2.  | *    | 1 | 0435 | 56  | 865. | *   | 1    | 0845 | 106 | 2.  | *    | 1   | 1255 | 156 | 0. |     |      |     |      |
| 1  | 0030 | 7    | 3.  | *    | 1 | 0440 | 57  | 864. | *   | 1    | 0850 | 107 | 2.  | *    | 1   | 1300 | 157 | 0. |     |      |     |      |
| 1  | 0035 | 8    | 4.  | *    | 1 | 0445 | 58  | 870. | *   | 1    | 0855 | 108 | 2.  | *    | 1   | 1305 | 158 | 0. |     |      |     |      |



|   |      |    |      |   |   |      |    |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0040 | 9  | 6.   | * | 1 | 0450 | 59 | 873. | * | 1 | 0900 | 109 | 2. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 7.   | * | 1 | 0455 | 60 | 866. | * | 1 | 0905 | 110 | 1. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 8.   | * | 1 | 0500 | 61 | 845. | * | 1 | 0910 | 111 | 1. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 8.   | * | 1 | 0505 | 62 | 807. | * | 1 | 0915 | 112 | 1. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 9.   | * | 1 | 0510 | 63 | 755. | * | 1 | 0920 | 113 | 1. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 9.   | * | 1 | 0515 | 64 | 690. | * | 1 | 0925 | 114 | 0. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 9.   | * | 1 | 0520 | 65 | 615. | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 9.   | * | 1 | 0525 | 66 | 539. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 10.  | * | 1 | 0530 | 67 | 468. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 10.  | * | 1 | 0535 | 68 | 403. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 10.  | * | 1 | 0540 | 69 | 346. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 11.  | * | 1 | 0545 | 70 | 295. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 12.  | * | 1 | 0550 | 71 | 253. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 12.  | * | 1 | 0555 | 72 | 217. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 12.  | * | 1 | 0600 | 73 | 186. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 13.  | * | 1 | 0605 | 74 | 160. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 13.  | * | 1 | 0610 | 75 | 138. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 13.  | * | 1 | 0615 | 76 | 118. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 13.  | * | 1 | 0620 | 77 | 102. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 12.  | * | 1 | 0625 | 78 | 88.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 12.  | * | 1 | 0630 | 79 | 77.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 12.  | * | 1 | 0635 | 80 | 66.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 11.  | * | 1 | 0640 | 81 | 57.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 11.  | * | 1 | 0645 | 82 | 49.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 11.  | * | 1 | 0650 | 83 | 42.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 10.  | * | 1 | 0655 | 84 | 36.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 10.  | * | 1 | 0700 | 85 | 31.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 10.  | * | 1 | 0705 | 86 | 27.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 10.  | * | 1 | 0710 | 87 | 24.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 10.  | * | 1 | 0715 | 88 | 21.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 13.  | * | 1 | 0720 | 89 | 18.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 17.  | * | 1 | 0725 | 90 | 16.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 27.  | * | 1 | 0730 | 91 | 14.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 55.  | * | 1 | 0735 | 92 | 12.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 120. | * | 1 | 0740 | 93 | 10.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 217. | * | 1 | 0745 | 94 | 9.   | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 342. | * | 1 | 0750 | 95 | 8.   | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |

|   |      |    |      |   |   |      |     |    |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0345 | 46 | 494. | * | 1 | 0755 | 96  | 7. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 653. | * | 1 | 0800 | 97  | 6. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 785. | * | 1 | 0805 | 98  | 5. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 876. | * | 1 | 0810 | 99  | 5. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 932. | * | 1 | 0815 | 100 | 4. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *    |   |   |      | *   |    |   |   |      | *   |    |   |   |      |     |    |

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| PEAK FLOW |       | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|----------------------|-------|-------|----------|
|           |       |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |                      |       |       |          |
|           |       | (CFS)    |                      |       |       |          |
| +         | 956.  | 4.17     | 295.                 | 108.  | 108.  | 108.     |
|           |       | (INCHES) | .084                 | .085  | .085  | .085     |
|           |       | (AC-FT)  | 146.                 | 148.  | 148.  | 148.     |

CUMULATIVE AREA = 32.69 SQ MI

601

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .26

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| *  |      |    |    | *   |      |      |    | *    |    |    |      |      |    |    |     |      |     |     |      |   |    |     |    |    |     |      |
|----|------|----|----|-----|------|------|----|------|----|----|------|------|----|----|-----|------|-----|-----|------|---|----|-----|----|----|-----|------|
| DA | MON  | HR | MN | ORD | FLOW | *    | DA | MON  | HR | MN | ORD  | FLOW | *  | DA | MON | HR   | MN  | ORD | FLOW | * | DA | MON | HR | MN | ORD | FLOW |
|    |      |    |    | *   |      |      |    |      |    |    | *    |      |    |    |     |      |     | *   |      |   |    |     |    |    | *   |      |
| 1  | 0000 | 1  | 0. | *   | 1    | 0410 | 51 | 449. | *  | 1  | 0820 | 101  | 2. | *  | 1   | 1230 | 151 | 0.  |      |   |    |     |    |    |     |      |
| 1  | 0005 | 2  | 0. | *   | 1    | 0415 | 52 | 448. | *  | 1  | 0825 | 102  | 2. | *  | 1   | 1235 | 152 | 0.  |      |   |    |     |    |    |     |      |

|   |      |    |     |   |   |      |    |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0010 | 3  | 0.  | * | 1 | 0420 | 53 | 440. | * | 1 | 0830 | 103 | 1. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 0.  | * | 1 | 0425 | 54 | 428. | * | 1 | 0835 | 104 | 1. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 1.  | * | 1 | 0430 | 55 | 410. | * | 1 | 0840 | 105 | 1. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 2.  | * | 1 | 0435 | 56 | 397. | * | 1 | 0845 | 106 | 1. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 3.  | * | 1 | 0440 | 57 | 396. | * | 1 | 0850 | 107 | 1. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 3.  | * | 1 | 0445 | 58 | 400. | * | 1 | 0855 | 108 | 1. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 5.  | * | 1 | 0450 | 59 | 404. | * | 1 | 0900 | 109 | 1. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 5.  | * | 1 | 0455 | 60 | 406. | * | 1 | 0905 | 110 | 1. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 6.  | * | 1 | 0500 | 61 | 400. | * | 1 | 0910 | 111 | 0. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 7.  | * | 1 | 0505 | 62 | 386. | * | 1 | 0915 | 112 | 0. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 7.  | * | 1 | 0510 | 63 | 365. | * | 1 | 0920 | 113 | 0. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 7.  | * | 1 | 0515 | 64 | 336. | * | 1 | 0925 | 114 | 0. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 7.  | * | 1 | 0520 | 65 | 302. | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 8.  | * | 1 | 0525 | 66 | 266. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 8.  | * | 1 | 0530 | 67 | 232. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 8.  | * | 1 | 0535 | 68 | 201. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 8.  | * | 1 | 0540 | 69 | 173. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 9.  | * | 1 | 0545 | 70 | 148. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 9.  | * | 1 | 0550 | 71 | 127. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 10. | * | 1 | 0555 | 72 | 109. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 10. | * | 1 | 0600 | 73 | 94.  | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 10. | * | 1 | 0605 | 74 | 81.  | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 10. | * | 1 | 0610 | 75 | 70.  | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 10. | * | 1 | 0615 | 76 | 60.  | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 10. | * | 1 | 0620 | 77 | 52.  | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 10. | * | 1 | 0625 | 78 | 45.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 10. | * | 1 | 0630 | 79 | 39.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 10. | * | 1 | 0635 | 80 | 34.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 9.  | * | 1 | 0640 | 81 | 29.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 9.  | * | 1 | 0645 | 82 | 25.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 9.  | * | 1 | 0650 | 83 | 22.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 8.  | * | 1 | 0655 | 84 | 18.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 8.  | * | 1 | 0700 | 85 | 16.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 8.  | * | 1 | 0705 | 86 | 14.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 8.  | * | 1 | 0710 | 87 | 12.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 8.  | * | 1 | 0715 | 88 | 11.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 9.  | * | 1 | 0720 | 89 | 9.   | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |

|   |      |    |      |   |   |      |     |    |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0315 | 40 | 9.   | * | 1 | 0725 | 90  | 8. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 10.  | * | 1 | 0730 | 91  | 7. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 17.  | * | 1 | 0735 | 92  | 6. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 42.  | * | 1 | 0740 | 93  | 5. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 82.  | * | 1 | 0745 | 94  | 4. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 137. | * | 1 | 0750 | 95  | 4. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 210. | * | 1 | 0755 | 96  | 3. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 290. | * | 1 | 0800 | 97  | 3. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 358. | * | 1 | 0805 | 98  | 3. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 406. | * | 1 | 0810 | 99  | 2. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 435. | * | 1 | 0815 | 100 | 2. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *    |   |   | *    |     |    |   |   | *    |     |    |   |   |      |     |    |

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603

PEAK FLOW

TIME

MAXIMUM AVERAGE FLOW

+

(CFS)

(HR)

(CFS)

6-HR

24-HR

72-HR

16.58-HR

+

449.

4.17

140.

51.

51.

51.

(INCHES)

.040

.040

.040

.040

(AC-FT)

69.

70.

70.

70.

CUMULATIVE AREA =

32.69 SQ MI

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95 KK

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CFplain

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96 KO      OUTPUT CONTROL VARIABLES  
           IPRNT        2 PRINT CONTROL  
           IPLOT        0 PLOT CONTROL  
           QSCAL        0. HYDROGRAPH PLOT SCALE

97 HC      HYDROGRAPH COMBINATION  
           ICOMP        3 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION CFplain  
 SUM OF 3 HYDROGRAPHS  
 PLAN 1, RATIO = .62

\*\*\*\*\*  
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| *<br>DA MON HRMN ORD |      |    |     |   | FLOW | *<br>DA MON HRMN ORD |    |       |   |   | FLOW | *<br>DA MON HRMN ORD |      |   |   |      | FLOW |    |
|----------------------|------|----|-----|---|------|----------------------|----|-------|---|---|------|----------------------|------|---|---|------|------|----|
| *<br>DA MON HRMN ORD |      |    |     |   | FLOW | *<br>DA MON HRMN ORD |    |       |   |   | FLOW | *<br>DA MON HRMN ORD |      |   |   |      | FLOW |    |
| 1                    | 0000 | 1  | 0.  | * | 1    | 0410                 | 51 | 5070. | * | 1 | 0820 | 101                  | 273. | * | 1 | 1230 | 151  | 0. |
| 1                    | 0005 | 2  | 0.  | * | 1    | 0415                 | 52 | 5499. | * | 1 | 0825 | 102                  | 235. | * | 1 | 1235 | 152  | 0. |
| 1                    | 0010 | 3  | 0.  | * | 1    | 0420                 | 53 | 5788. | * | 1 | 0830 | 103                  | 203. | * | 1 | 1240 | 153  | 0. |
| 1                    | 0015 | 4  | 0.  | * | 1    | 0425                 | 54 | 5961. | * | 1 | 0835 | 104                  | 175. | * | 1 | 1245 | 154  | 0. |
| 1                    | 0020 | 5  | 0.  | * | 1    | 0430                 | 55 | 6047. | * | 1 | 0840 | 105                  | 152. | * | 1 | 1250 | 155  | 0. |
| 1                    | 0025 | 6  | 1.  | * | 1    | 0435                 | 56 | 6081. | * | 1 | 0845 | 106                  | 131. | * | 1 | 1255 | 156  | 0. |
| 1                    | 0030 | 7  | 1.  | * | 1    | 0440                 | 57 | 6098. | * | 1 | 0850 | 107                  | 114. | * | 1 | 1300 | 157  | 0. |
| 1                    | 0035 | 8  | 2.  | * | 1    | 0445                 | 58 | 6107. | * | 1 | 0855 | 108                  | 99.  | * | 1 | 1305 | 158  | 0. |
| 1                    | 0040 | 9  | 4.  | * | 1    | 0450                 | 59 | 6108. | * | 1 | 0900 | 109                  | 86.  | * | 1 | 1310 | 159  | 0. |
| 1                    | 0045 | 10 | 7.  | * | 1    | 0455                 | 60 | 6107. | * | 1 | 0905 | 110                  | 75.  | * | 1 | 1315 | 160  | 0. |
| 1                    | 0050 | 11 | 11. | * | 1    | 0500                 | 61 | 6120. | * | 1 | 0910 | 111                  | 65.  | * | 1 | 1320 | 161  | 0. |
| 1                    | 0055 | 12 | 16. | * | 1    | 0505                 | 62 | 6157. | * | 1 | 0915 | 112                  | 57.  | * | 1 | 1325 | 162  | 0. |

|   |      |    |       |   |   |      |    |       |   |   |      |     |     |   |   |      |     |    |
|---|------|----|-------|---|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0100 | 13 | 22.   | * | 1 | 0510 | 63 | 6210. | * | 1 | 0920 | 113 | 50. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 28.   | * | 1 | 0515 | 64 | 6267. | * | 1 | 0925 | 114 | 44. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 33.   | * | 1 | 0520 | 65 | 6319. | * | 1 | 0930 | 115 | 38. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 37.   | * | 1 | 0525 | 66 | 6346. | * | 1 | 0935 | 116 | 34. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 40.   | * | 1 | 0530 | 67 | 6331. | * | 1 | 0940 | 117 | 29. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 43.   | * | 1 | 0535 | 68 | 6268. | * | 1 | 0945 | 118 | 26. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 45.   | * | 1 | 0540 | 69 | 6154. | * | 1 | 0950 | 119 | 22. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 46.   | * | 1 | 0545 | 70 | 5996. | * | 1 | 0955 | 120 | 19. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 48.   | * | 1 | 0550 | 71 | 5800. | * | 1 | 1000 | 121 | 17. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 50.   | * | 1 | 0555 | 72 | 5568. | * | 1 | 1005 | 122 | 14. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 52.   | * | 1 | 0600 | 73 | 5306. | * | 1 | 1010 | 123 | 12. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 53.   | * | 1 | 0605 | 74 | 5019. | * | 1 | 1015 | 124 | 10. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 54.   | * | 1 | 0610 | 75 | 4711. | * | 1 | 1020 | 125 | 9.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 54.   | * | 1 | 0615 | 76 | 4388. | * | 1 | 1025 | 126 | 7.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 54.   | * | 1 | 0620 | 77 | 4060. | * | 1 | 1030 | 127 | 6.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 55.   | * | 1 | 0625 | 78 | 3734. | * | 1 | 1035 | 128 | 5.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 55.   | * | 1 | 0630 | 79 | 3419. | * | 1 | 1040 | 129 | 5.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 55.   | * | 1 | 0635 | 80 | 3120. | * | 1 | 1045 | 130 | 4.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 56.   | * | 1 | 0640 | 81 | 2844. | * | 1 | 1050 | 131 | 3.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 57.   | * | 1 | 0645 | 82 | 2593. | * | 1 | 1055 | 132 | 3.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 58.   | * | 1 | 0650 | 83 | 2368. | * | 1 | 1100 | 133 | 3.  | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 59.   | * | 1 | 0655 | 84 | 2167. | * | 1 | 1105 | 134 | 2.  | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 59.   | * | 1 | 0700 | 85 | 1986. | * | 1 | 1110 | 135 | 2.  | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 59.   | * | 1 | 0705 | 86 | 1821. | * | 1 | 1115 | 136 | 2.  | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 59.   | * | 1 | 0710 | 87 | 1668. | * | 1 | 1120 | 137 | 1.  | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 63.   | * | 1 | 0715 | 88 | 1522. | * | 1 | 1125 | 138 | 1.  | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 76.   | * | 1 | 0720 | 89 | 1382. | * | 1 | 1130 | 139 | 1.  | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 108.  | * | 1 | 0725 | 90 | 1246. | * | 1 | 1135 | 140 | 1.  | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 169.  | * | 1 | 0730 | 91 | 1115. | * | 1 | 1140 | 141 | 0.  | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 282.  | * | 1 | 0735 | 92 | 990.  | * | 1 | 1145 | 142 | 0.  | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 479.  | * | 1 | 0740 | 93 | 873.  | * | 1 | 1150 | 143 | 0.  | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 772.  | * | 1 | 0745 | 94 | 764.  | * | 1 | 1155 | 144 | 0.  | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 1172. | * | 1 | 0750 | 95 | 665.  | * | 1 | 1200 | 145 | 0.  | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1690. | * | 1 | 0755 | 96 | 576.  | * | 1 | 1205 | 146 | 0.  | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 2326. | * | 1 | 0800 | 97 | 497.  | * | 1 | 1210 | 147 | 0.  | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 3053. | * | 1 | 0805 | 98 | 428.  | * | 1 | 1215 | 148 | 0.  | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 3804. | * | 1 | 0810 | 99 | 369.  | * | 1 | 1220 | 149 | 0.  | * | 1 | 1630 | 199 | 0. |

606

| PEAK FLOW<br>+ (CFS) | TIME             | MAXIMUM AVERAGE FLOW |               |               |               |
|----------------------|------------------|----------------------|---------------|---------------|---------------|
|                      | 6-HR<br>(CFS)    | 24-HR                | 72-HR         | 16.58-HR      |               |
| + 6346.              | 5.42<br>(INCHES) | 2949.<br>.520        | 1076.<br>.525 | 1076.<br>.525 | 1076.<br>.525 |
|                      | (AC-FT)          | 1462.                | 1475.         | 1475.         | 1475.         |

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| *<br>DA MON HRMN ORD |      |   |    |   | *<br>FLOW |      |    |       |   | *<br>DA MON HRMN ORD |      |     |     |   | *<br>FLOW |      |     |    |  |
|----------------------|------|---|----|---|-----------|------|----|-------|---|----------------------|------|-----|-----|---|-----------|------|-----|----|--|
| *                    |      |   |    |   | *         |      |    |       |   | *                    |      |     |     |   | *         |      |     |    |  |
| 1                    | 0000 | 1 | 0. | * | 1         | 0410 | 51 | 2420. | * | 1                    | 0820 | 101 | 92. | * | 1         | 1230 | 151 | 0. |  |
| 1                    | 0005 | 2 | 0. | * | 1         | 0415 | 52 | 2649. | * | 1                    | 0825 | 102 | 79. | * | 1         | 1235 | 152 | 0. |  |
| 1                    | 0010 | 3 | 0. | * | 1         | 0420 | 53 | 2793. | * | 1                    | 0830 | 103 | 68. | * | 1         | 1240 | 153 | 0. |  |
| 1                    | 0015 | 4 | 0. | * | 1         | 0425 | 54 | 2869. | * | 1                    | 0835 | 104 | 58. | * | 1         | 1245 | 154 | 0. |  |
| 1                    | 0020 | 5 | 0. | * | 1         | 0430 | 55 | 2896. | * | 1                    | 0840 | 105 | 50. | * | 1         | 1250 | 155 | 0. |  |
| 1                    | 0025 | 6 | 1. | * | 1         | 0435 | 56 | 2898. | * | 1                    | 0845 | 106 | 43. | * | 1         | 1255 | 156 | 0. |  |

|   |      |    |      |   |   |      |    |       |   |   |      |     |     |   |   |      |     |    |
|---|------|----|------|---|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0030 | 7  | 1.   | * | 1 | 0440 | 57 | 2897. | * | 1 | 0850 | 107 | 38. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 2.   | * | 1 | 0445 | 58 | 2896. | * | 1 | 0855 | 108 | 33. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 3.   | * | 1 | 0450 | 59 | 2890. | * | 1 | 0900 | 109 | 28. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 4.   | * | 1 | 0455 | 60 | 2878. | * | 1 | 0905 | 110 | 25. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 5.   | * | 1 | 0500 | 61 | 2865. | * | 1 | 0910 | 111 | 22. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 7.   | * | 1 | 0505 | 62 | 2853. | * | 1 | 0915 | 112 | 19. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 8.   | * | 1 | 0510 | 63 | 2839. | * | 1 | 0920 | 113 | 17. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 9.   | * | 1 | 0515 | 64 | 2823. | * | 1 | 0925 | 114 | 15. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 10.  | * | 1 | 0520 | 65 | 2806. | * | 1 | 0930 | 115 | 13. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 11.  | * | 1 | 0525 | 66 | 2785. | * | 1 | 0935 | 116 | 11. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 12.  | * | 1 | 0530 | 67 | 2755. | * | 1 | 0940 | 117 | 10. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 13.  | * | 1 | 0535 | 68 | 2713. | * | 1 | 0945 | 118 | 9.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 13.  | * | 1 | 0540 | 69 | 2658. | * | 1 | 0950 | 119 | 7.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 14.  | * | 1 | 0545 | 70 | 2589. | * | 1 | 0955 | 120 | 6.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 15.  | * | 1 | 0550 | 71 | 2504. | * | 1 | 1000 | 121 | 5.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 15.  | * | 1 | 0555 | 72 | 2401. | * | 1 | 1005 | 122 | 5.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 16.  | * | 1 | 0600 | 73 | 2282. | * | 1 | 1010 | 123 | 4.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 16.  | * | 1 | 0605 | 74 | 2148. | * | 1 | 1015 | 124 | 3.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 17.  | * | 1 | 0610 | 75 | 2002. | * | 1 | 1020 | 125 | 2.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 18.  | * | 1 | 0615 | 76 | 1847. | * | 1 | 1025 | 126 | 2.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 18.  | * | 1 | 0620 | 77 | 1689. | * | 1 | 1030 | 127 | 2.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 19.  | * | 1 | 0625 | 78 | 1532. | * | 1 | 1035 | 128 | 1.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 19.  | * | 1 | 0630 | 79 | 1382. | * | 1 | 1040 | 129 | 1.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 20.  | * | 1 | 0635 | 80 | 1241. | * | 1 | 1045 | 130 | 1.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 21.  | * | 1 | 0640 | 81 | 1111. | * | 1 | 1050 | 131 | 1.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 21.  | * | 1 | 0645 | 82 | 996.  | * | 1 | 1055 | 132 | 1.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 22.  | * | 1 | 0650 | 83 | 894.  | * | 1 | 1100 | 133 | 1.  | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 22.  | * | 1 | 0655 | 84 | 804.  | * | 1 | 1105 | 134 | 0.  | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 22.  | * | 1 | 0700 | 85 | 725.  | * | 1 | 1110 | 135 | 0.  | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 22.  | * | 1 | 0705 | 86 | 656.  | * | 1 | 1115 | 136 | 0.  | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 22.  | * | 1 | 0710 | 87 | 593.  | * | 1 | 1120 | 137 | 0.  | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 22.  | * | 1 | 0715 | 88 | 536.  | * | 1 | 1125 | 138 | 0.  | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 25.  | * | 1 | 0720 | 89 | 483.  | * | 1 | 1130 | 139 | 0.  | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 32.  | * | 1 | 0725 | 90 | 433.  | * | 1 | 1135 | 140 | 0.  | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 48.  | * | 1 | 0730 | 91 | 385.  | * | 1 | 1140 | 141 | 0.  | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 82.  | * | 1 | 0735 | 92 | 341.  | * | 1 | 1145 | 142 | 0.  | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 150. | * | 1 | 0740 | 93 | 300.  | * | 1 | 1150 | 143 | 0.  | * | 1 | 1600 | 193 | 0. |



|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0335 | 44 | 261.  | * | 1 | 0745 | 94  | 262. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 424.  | * | 1 | 0750 | 95  | 227. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 654.  | * | 1 | 0755 | 96  | 196. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 958.  | * | 1 | 0800 | 97  | 169. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1327. | * | 1 | 0805 | 98  | 145. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1727. | * | 1 | 0810 | 99  | 124. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2105. | * | 1 | 0815 | 100 | 107. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |      |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW |       | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|----------------------|-------|-------|----------|
|           |       |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |                      |       |       |          |
| +         |       | (CFS)    |                      |       |       |          |
| +         | 2898. | 4.58     | 1286.                | 468.  | 468.  | 468.     |
|           |       | (INCHES) | .227                 | .228  | .228  | .228     |
|           |       | (AC-FT)  | 638.                 | 642.  | 642.  | 642.     |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .38

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|                 |      |   |                 |      |   |                 |      |   |
|-----------------|------|---|-----------------|------|---|-----------------|------|---|
| *               | *    | * |                 |      |   |                 |      |   |
| DA MON HRMN ORD | FLOW | * | DA MON HRMN ORD | FLOW | * | DA MON HRMN ORD | FLOW | * |
| *               |      | * |                 |      | * |                 |      | * |

|   |      |    |     |   |   |      |    |       |   |   |      |     |     |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0000 | 1  | 0.  | * | 1 | 0410 | 51 | 1638. | * | 1 | 0820 | 101 | 43. | * | 1 | 1230 | 151 | 0. |
| 1 | 0005 | 2  | 0.  | * | 1 | 0415 | 52 | 1808. | * | 1 | 0825 | 102 | 37. | * | 1 | 1235 | 152 | 0. |
| 1 | 0010 | 3  | 0.  | * | 1 | 0420 | 53 | 1915. | * | 1 | 0830 | 103 | 31. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 0.  | * | 1 | 0425 | 54 | 1969. | * | 1 | 0835 | 104 | 27. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 0.  | * | 1 | 0430 | 55 | 1985. | * | 1 | 0840 | 105 | 23. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 0.  | * | 1 | 0435 | 56 | 1982. | * | 1 | 0845 | 106 | 20. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 1.  | * | 1 | 0440 | 57 | 1977. | * | 1 | 0850 | 107 | 17. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 1.  | * | 1 | 0445 | 58 | 1974. | * | 1 | 0855 | 108 | 15. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 2.  | * | 1 | 0450 | 59 | 1966. | * | 1 | 0900 | 109 | 13. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 3.  | * | 1 | 0455 | 60 | 1952. | * | 1 | 0905 | 110 | 11. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 4.  | * | 1 | 0500 | 61 | 1934. | * | 1 | 0910 | 111 | 10. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 6.  | * | 1 | 0505 | 62 | 1914. | * | 1 | 0915 | 112 | 9.  | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 7.  | * | 1 | 0510 | 63 | 1889. | * | 1 | 0920 | 113 | 8.  | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 8.  | * | 1 | 0515 | 64 | 1859. | * | 1 | 0925 | 114 | 7.  | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 9.  | * | 1 | 0520 | 65 | 1827. | * | 1 | 0930 | 115 | 6.  | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 10. | * | 1 | 0525 | 66 | 1795. | * | 1 | 0935 | 116 | 5.  | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 10. | * | 1 | 0530 | 67 | 1762. | * | 1 | 0940 | 117 | 5.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 11. | * | 1 | 0535 | 68 | 1726. | * | 1 | 0945 | 118 | 4.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 12. | * | 1 | 0540 | 69 | 1686. | * | 1 | 0950 | 119 | 3.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 12. | * | 1 | 0545 | 70 | 1640. | * | 1 | 0955 | 120 | 3.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 13. | * | 1 | 0550 | 71 | 1586. | * | 1 | 1000 | 121 | 2.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 13. | * | 1 | 0555 | 72 | 1519. | * | 1 | 1005 | 122 | 2.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 14. | * | 1 | 0600 | 73 | 1441. | * | 1 | 1010 | 123 | 2.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 14. | * | 1 | 0605 | 74 | 1351. | * | 1 | 1015 | 124 | 1.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 15. | * | 1 | 0610 | 75 | 1251. | * | 1 | 1020 | 125 | 1.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 15. | * | 1 | 0615 | 76 | 1145. | * | 1 | 1025 | 126 | 1.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 16. | * | 1 | 0620 | 77 | 1036. | * | 1 | 1030 | 127 | 0.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 16. | * | 1 | 0625 | 78 | 928.  | * | 1 | 1035 | 128 | 0.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 17. | * | 1 | 0630 | 79 | 824.  | * | 1 | 1040 | 129 | 0.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 17. | * | 1 | 0635 | 80 | 729.  | * | 1 | 1045 | 130 | 0.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 18. | * | 1 | 0640 | 81 | 642.  | * | 1 | 1050 | 131 | 0.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 18. | * | 1 | 0645 | 82 | 565.  | * | 1 | 1055 | 132 | 0.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 19. | * | 1 | 0650 | 83 | 497.  | * | 1 | 1100 | 133 | 0.  | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 19. | * | 1 | 0655 | 84 | 439.  | * | 1 | 1105 | 134 | 0.  | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 19. | * | 1 | 0700 | 85 | 389.  | * | 1 | 1110 | 135 | 0.  | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 19. | * | 1 | 0705 | 86 | 345.  | * | 1 | 1115 | 136 | 0.  | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 19. | * | 1 | 0710 | 87 | 307.  | * | 1 | 1120 | 137 | 0.  | * | 1 | 1530 | 187 | 0. |

|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0305 | 38 | 19.   | * | 1 | 0715 | 88  | 273. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 20.   | * | 1 | 0720 | 89  | 243. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 23.   | * | 1 | 0725 | 90  | 215. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 29.   | * | 1 | 0730 | 91  | 190. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 47.   | * | 1 | 0735 | 92  | 167. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 86.   | * | 1 | 0740 | 93  | 145. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 153.  | * | 1 | 0745 | 94  | 126. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 253.  | * | 1 | 0750 | 95  | 109. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 397.  | * | 1 | 0755 | 96  | 94.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 597.  | * | 1 | 0800 | 97  | 80.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 850.  | * | 1 | 0805 | 98  | 69.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1132. | * | 1 | 0810 | 99  | 58.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1406. | * | 1 | 0815 | 100 | 50.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *    |   |   | *    |     |    |   |   |      |     |    |

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610

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 1985.   | 4.50     | 823.                 | 300.  | 300.  | 300.     |
|           | (INCHES) | .145                 | .146  | .146  | .146     |
|           | (AC-FT)  | 408.                 | 411.  | 411.  | 411.     |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .32

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| *<br>DA MON HRMN ORD |      |    |     |   | *<br>FLOW * DA MON HRMN ORD |      |    |       |   | *<br>FLOW * DA MON HRMN ORD |      |     |     |   | *<br>FLOW * DA MON HRMN ORD |      |     |    |  | *<br>FLOW * DA MON HRMN ORD |  |  |  |  | *<br>FLOW * DA MON HRMN ORD |  |  |  |  |
|----------------------|------|----|-----|---|-----------------------------|------|----|-------|---|-----------------------------|------|-----|-----|---|-----------------------------|------|-----|----|--|-----------------------------|--|--|--|--|-----------------------------|--|--|--|--|
| *                    |      |    |     |   | *                           |      |    |       |   | *                           |      |     |     |   | *                           |      |     |    |  | *                           |  |  |  |  | *                           |  |  |  |  |
| 1                    | 0000 | 1  | 0.  | * | 1                           | 0410 | 51 | 908.  | * | 1                           | 0820 | 101 | 18. | * | 1                           | 1230 | 151 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0005 | 2  | 0.  | * | 1                           | 0415 | 52 | 1023. | * | 1                           | 0825 | 102 | 16. | * | 1                           | 1235 | 152 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0010 | 3  | 0.  | * | 1                           | 0420 | 53 | 1097. | * | 1                           | 0830 | 103 | 14. | * | 1                           | 1240 | 153 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0015 | 4  | 0.  | * | 1                           | 0425 | 54 | 1136. | * | 1                           | 0835 | 104 | 12. | * | 1                           | 1245 | 154 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0020 | 5  | 0.  | * | 1                           | 0430 | 55 | 1149. | * | 1                           | 0840 | 105 | 10. | * | 1                           | 1250 | 155 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0025 | 6  | 0.  | * | 1                           | 0435 | 56 | 1148. | * | 1                           | 0845 | 106 | 9.  | * | 1                           | 1255 | 156 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0030 | 7  | 1.  | * | 1                           | 0440 | 57 | 1146. | * | 1                           | 0850 | 107 | 8.  | * | 1                           | 1300 | 157 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0035 | 8  | 1.  | * | 1                           | 0445 | 58 | 1146. | * | 1                           | 0855 | 108 | 7.  | * | 1                           | 1305 | 158 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0040 | 9  | 2.  | * | 1                           | 0450 | 59 | 1143. | * | 1                           | 0900 | 109 | 6.  | * | 1                           | 1310 | 159 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0045 | 10 | 3.  | * | 1                           | 0455 | 60 | 1136. | * | 1                           | 0905 | 110 | 5.  | * | 1                           | 1315 | 160 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0050 | 11 | 4.  | * | 1                           | 0500 | 61 | 1126. | * | 1                           | 0910 | 111 | 5.  | * | 1                           | 1320 | 161 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0055 | 12 | 5.  | * | 1                           | 0505 | 62 | 1112. | * | 1                           | 0915 | 112 | 4.  | * | 1                           | 1325 | 162 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0100 | 13 | 6.  | * | 1                           | 0510 | 63 | 1093. | * | 1                           | 0920 | 113 | 4.  | * | 1                           | 1330 | 163 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0105 | 14 | 7.  | * | 1                           | 0515 | 64 | 1069. | * | 1                           | 0925 | 114 | 3.  | * | 1                           | 1335 | 164 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0110 | 15 | 8.  | * | 1                           | 0520 | 65 | 1043. | * | 1                           | 0930 | 115 | 3.  | * | 1                           | 1340 | 165 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0115 | 16 | 8.  | * | 1                           | 0525 | 66 | 1017. | * | 1                           | 0935 | 116 | 3.  | * | 1                           | 1345 | 166 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0120 | 17 | 9.  | * | 1                           | 0530 | 67 | 991.  | * | 1                           | 0940 | 117 | 2.  | * | 1                           | 1350 | 167 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0125 | 18 | 9.  | * | 1                           | 0535 | 68 | 967.  | * | 1                           | 0945 | 118 | 2.  | * | 1                           | 1355 | 168 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0130 | 19 | 10. | * | 1                           | 0540 | 69 | 943.  | * | 1                           | 0950 | 119 | 2.  | * | 1                           | 1400 | 169 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0135 | 20 | 10. | * | 1                           | 0545 | 70 | 918.  | * | 1                           | 0955 | 120 | 2.  | * | 1                           | 1405 | 170 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0140 | 21 | 11. | * | 1                           | 0550 | 71 | 889.  | * | 1                           | 1000 | 121 | 1.  | * | 1                           | 1410 | 171 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0145 | 22 | 11. | * | 1                           | 0555 | 72 | 854.  | * | 1                           | 1005 | 122 | 1.  | * | 1                           | 1415 | 172 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0150 | 23 | 12. | * | 1                           | 0600 | 73 | 811.  | * | 1                           | 1010 | 123 | 1.  | * | 1                           | 1420 | 173 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0155 | 24 | 12. | * | 1                           | 0605 | 74 | 761.  | * | 1                           | 1015 | 124 | 1.  | * | 1                           | 1425 | 174 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0200 | 25 | 12. | * | 1                           | 0610 | 75 | 704.  | * | 1                           | 1020 | 125 | 1.  | * | 1                           | 1430 | 175 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0205 | 26 | 13. | * | 1                           | 0615 | 76 | 642.  | * | 1                           | 1025 | 126 | 0.  | * | 1                           | 1435 | 176 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0210 | 27 | 13. | * | 1                           | 0620 | 77 | 578.  | * | 1                           | 1030 | 127 | 0.  | * | 1                           | 1440 | 177 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0215 | 28 | 14. | * | 1                           | 0625 | 78 | 515.  | * | 1                           | 1035 | 128 | 0.  | * | 1                           | 1445 | 178 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0220 | 29 | 14. | * | 1                           | 0630 | 79 | 454.  | * | 1                           | 1040 | 129 | 0.  | * | 1                           | 1450 | 179 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0225 | 30 | 15. | * | 1                           | 0635 | 80 | 397.  | * | 1                           | 1045 | 130 | 0.  | * | 1                           | 1455 | 180 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |
| 1                    | 0230 | 31 | 15. | * | 1                           | 0640 | 81 | 345.  | * | 1                           | 1050 | 131 | 0.  | * | 1                           | 1500 | 181 | 0. |  |                             |  |  |  |  |                             |  |  |  |  |

|   |      |    |      |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0235 | 32 | 16.  | * | 1 | 0645 | 82  | 299. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 16.  | * | 1 | 0650 | 83  | 257. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 16.  | * | 1 | 0655 | 84  | 222. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 16.  | * | 1 | 0700 | 85  | 191. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 16.  | * | 1 | 0705 | 86  | 164. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 16.  | * | 1 | 0710 | 87  | 141. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 16.  | * | 1 | 0715 | 88  | 122. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 16.  | * | 1 | 0720 | 89  | 105. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 16.  | * | 1 | 0725 | 90  | 91.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 16.  | * | 1 | 0730 | 91  | 78.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 21.  | * | 1 | 0735 | 92  | 67.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 37.  | * | 1 | 0740 | 93  | 58.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 65.  | * | 1 | 0745 | 94  | 50.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 108. | * | 1 | 0750 | 95  | 43.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 176. | * | 1 | 0755 | 96  | 37.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 278. | * | 1 | 0800 | 97  | 32.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 419. | * | 1 | 0805 | 98  | 28.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 587. | * | 1 | 0810 | 99  | 24.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 757. | * | 1 | 0815 | 100 | 20.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *    |   |   | *    |     |      |   |   | *    |     |    |   |   |      |     |    |

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| + (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|---------|--------------|----------------------|-------|-------|----------|
|         |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|         | (CFS)        |                      |       |       |          |
| + 1149. | 4.50         | 458.                 | 167.  | 167.  | 167.     |
|         | (INCHES)     | .081                 | .081  | .081  | .081     |
|         | (AC-FT)      | 227.                 | 229.  | 229.  | 229.     |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .26

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613

| *<br>DA MON HRMN ORD |      |    |    | *<br>FLOW |   |      |    | *<br>DA MON HRMN ORD |   |   |      | *<br>FLOW |    |   |   | *<br>DA MON HRMN ORD |     |    |  | *<br>FLOW |  |  |  |
|----------------------|------|----|----|-----------|---|------|----|----------------------|---|---|------|-----------|----|---|---|----------------------|-----|----|--|-----------|--|--|--|
| 1                    | 0000 | 1  | 0. | *         | 1 | 0410 | 51 | 398.                 | * | 1 | 0820 | 101       | 9. | * | 1 | 1230                 | 151 | 0. |  |           |  |  |  |
| 1                    | 0005 | 2  | 0. | *         | 1 | 0415 | 52 | 457.                 | * | 1 | 0825 | 102       | 8. | * | 1 | 1235                 | 152 | 0. |  |           |  |  |  |
| 1                    | 0010 | 3  | 0. | *         | 1 | 0420 | 53 | 496.                 | * | 1 | 0830 | 103       | 7. | * | 1 | 1240                 | 153 | 0. |  |           |  |  |  |
| 1                    | 0015 | 4  | 0. | *         | 1 | 0425 | 54 | 517.                 | * | 1 | 0835 | 104       | 6. | * | 1 | 1245                 | 154 | 0. |  |           |  |  |  |
| 1                    | 0020 | 5  | 0. | *         | 1 | 0430 | 55 | 525.                 | * | 1 | 0840 | 105       | 5. | * | 1 | 1250                 | 155 | 0. |  |           |  |  |  |
| 1                    | 0025 | 6  | 0. | *         | 1 | 0435 | 56 | 526.                 | * | 1 | 0845 | 106       | 4. | * | 1 | 1255                 | 156 | 0. |  |           |  |  |  |
| 1                    | 0030 | 7  | 1. | *         | 1 | 0440 | 57 | 525.                 | * | 1 | 0850 | 107       | 4. | * | 1 | 1300                 | 157 | 0. |  |           |  |  |  |
| 1                    | 0035 | 8  | 1. | *         | 1 | 0445 | 58 | 526.                 | * | 1 | 0855 | 108       | 3. | * | 1 | 1305                 | 158 | 0. |  |           |  |  |  |
| 1                    | 0040 | 9  | 2. | *         | 1 | 0450 | 59 | 527.                 | * | 1 | 0900 | 109       | 3. | * | 1 | 1310                 | 159 | 0. |  |           |  |  |  |
| 1                    | 0045 | 10 | 2. | *         | 1 | 0455 | 60 | 526.                 | * | 1 | 0905 | 110       | 3. | * | 1 | 1315                 | 160 | 0. |  |           |  |  |  |
| 1                    | 0050 | 11 | 3. | *         | 1 | 0500 | 61 | 522.                 | * | 1 | 0910 | 111       | 2. | * | 1 | 1320                 | 161 | 0. |  |           |  |  |  |
| 1                    | 0055 | 12 | 4. | *         | 1 | 0505 | 62 | 517.                 | * | 1 | 0915 | 112       | 2. | * | 1 | 1325                 | 162 | 0. |  |           |  |  |  |
| 1                    | 0100 | 13 | 5. | *         | 1 | 0510 | 63 | 509.                 | * | 1 | 0920 | 113       | 2. | * | 1 | 1330                 | 163 | 0. |  |           |  |  |  |
| 1                    | 0105 | 14 | 6. | *         | 1 | 0515 | 64 | 498.                 | * | 1 | 0925 | 114       | 2. | * | 1 | 1335                 | 164 | 0. |  |           |  |  |  |
| 1                    | 0110 | 15 | 6. | *         | 1 | 0520 | 65 | 485.                 | * | 1 | 0930 | 115       | 1. | * | 1 | 1340                 | 165 | 0. |  |           |  |  |  |
| 1                    | 0115 | 16 | 7. | *         | 1 | 0525 | 66 | 472.                 | * | 1 | 0935 | 116       | 1. | * | 1 | 1345                 | 166 | 0. |  |           |  |  |  |
| 1                    | 0120 | 17 | 7. | *         | 1 | 0530 | 67 | 460.                 | * | 1 | 0940 | 117       | 1. | * | 1 | 1350                 | 167 | 0. |  |           |  |  |  |
| 1                    | 0125 | 18 | 8. | *         | 1 | 0535 | 68 | 449.                 | * | 1 | 0945 | 118       | 1. | * | 1 | 1355                 | 168 | 0. |  |           |  |  |  |
| 1                    | 0130 | 19 | 8. | *         | 1 | 0540 | 69 | 439.                 | * | 1 | 0950 | 119       | 1. | * | 1 | 1400                 | 169 | 0. |  |           |  |  |  |
| 1                    | 0135 | 20 | 8. | *         | 1 | 0545 | 70 | 429.                 | * | 1 | 0955 | 120       | 1. | * | 1 | 1405                 | 170 | 0. |  |           |  |  |  |
| 1                    | 0140 | 21 | 9. | *         | 1 | 0550 | 71 | 418.                 | * | 1 | 1000 | 121       | 1. | * | 1 | 1410                 | 171 | 0. |  |           |  |  |  |
| 1                    | 0145 | 22 | 9. | *         | 1 | 0555 | 72 | 404.                 | * | 1 | 1005 | 122       | 1. | * | 1 | 1415                 | 172 | 0. |  |           |  |  |  |
| 1                    | 0150 | 23 | 9. | *         | 1 | 0600 | 73 | 386.                 | * | 1 | 1010 | 123       | 0. | * | 1 | 1420                 | 173 | 0. |  |           |  |  |  |

|   |      |    |      |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 10.  | * | 1 | 0605 | 74  | 365. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 10.  | * | 1 | 0610 | 75  | 339. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 10.  | * | 1 | 0615 | 76  | 312. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 11.  | * | 1 | 0620 | 77  | 282. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 11.  | * | 1 | 0625 | 78  | 253. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 11.  | * | 1 | 0630 | 79  | 224. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 12.  | * | 1 | 0635 | 80  | 196. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 12.  | * | 1 | 0640 | 81  | 171. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 13.  | * | 1 | 0645 | 82  | 149. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 13.  | * | 1 | 0650 | 83  | 129. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 13.  | * | 1 | 0655 | 84  | 111. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 13.  | * | 1 | 0700 | 85  | 96.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 13.  | * | 1 | 0705 | 86  | 83.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 13.  | * | 1 | 0710 | 87  | 71.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 13.  | * | 1 | 0715 | 88  | 62.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 13.  | * | 1 | 0720 | 89  | 53.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 13.  | * | 1 | 0725 | 90  | 46.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 13.  | * | 1 | 0730 | 91  | 40.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 14.  | * | 1 | 0735 | 92  | 34.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 19.  | * | 1 | 0740 | 93  | 30.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 29.  | * | 1 | 0745 | 94  | 26.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 43.  | * | 1 | 0750 | 95  | 22.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 68.  | * | 1 | 0755 | 96  | 19.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 108. | * | 1 | 0800 | 97  | 16.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 167. | * | 1 | 0805 | 98  | 14.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 242. | * | 1 | 0810 | 99  | 12.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 323. | * | 1 | 0815 | 100 | 10.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + 527.               | 4.83         | 213.                 | 78.   | 78.   | 78.      |

(INCHES) .038 .038 .038 .038  
(AC-FT) 106. 107. 107. 107.

CUMULATIVE AREA = 52.71 SQ MI

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\* \*  
109 KK \* HVal \*  
\* \*  
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615

116 KO OUTPUT CONTROL VARIABLES  
IPRNT 2 PRINT CONTROL  
IPLOT 0 PLOT CONTROL  
QSCAL 0. HYDROGRAPH PLOT SCALE

SUBBASIN RUNOFF DATA

111 BA SUBBASIN CHARACTERISTICS  
TAREA 11.14 SUBBASIN AREA

PRECIPITATION DATA

112 PB STORM 3.02 BASIN TOTAL PRECIPITATION

39 PI INCREMENTAL PRECIPITATION PATTERN  
.02 .04 .02 .03 .03 .01 .01 .01 .00 .01  
.00 .01 .00 .01 .01 .01 .01 .01 .01 .01  
.01 .01 .02 .01 .01 .00 .00 .00 .01 .00  
.01 .01 .01 .02 .02 .03 .02 .05 .04 .05  
.07 .08 .01 .01 .02 .03 .01 .00 .01 .01



.01 .01 .01 .02 .03 .02 .03 .03 .00 .00  
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00  
.00 .00

114 LG GREEN AND AMPT LOSS RATE  
STRTL .05 STARTING LOSS  
DTH .29 MOISTURE DEFICIT  
PSIF 1.58 WETTING FRONT SUCTION  
XKSAT .28 HYDRAULIC CONDUCTIVITY  
RTIMP .63 PERCENT IMPERVIOUS AREA

115 UD SCS DIMENSIONLESS UNITGRAPH  
TLAG .86 LAG

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UNIT HYDROGRAPH  
54 END-OF-PERIOD ORDINATES

165. 533. 1012. 1633. 2443. 3423. 4387. 5151. 5663. 5922.  
5957. 5875. 5543. 5157. 4720. 4184. 3548. 2962. 2511. 2154.  
1847. 1598. 1397. 1203. 1037. 874. 763. 653. 567. 484.  
417. 356. 306. 264. 227. 197. 168. 146. 125. 108.  
91. 80. 69. 61. 54. 48. 41. 34. 28. 23.  
17. 12. 6. 1.

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HYDROGRAPH AT STATION HVal

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DA MON HRMN ORD RAIN LOSS EXCESS COMP Q \* DA MON HRMN ORD RAIN LOSS EXCESS COMP Q  
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|   |      |    |     |     |     |      |   |   |      |     |     |     |     |     |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|-----|
| 1 | 0000 | 1  | .00 | .00 | .00 | 0.   | * | 1 | 0820 | 101 | .00 | .00 | .00 | 14. |
| 1 | 0005 | 2  | .06 | .06 | .00 | 0.   | * | 1 | 0825 | 102 | .00 | .00 | .00 | 12. |
| 1 | 0010 | 3  | .12 | .12 | .00 | 0.   | * | 1 | 0830 | 103 | .00 | .00 | .00 | 10. |
| 1 | 0015 | 4  | .06 | .06 | .00 | 1.   | * | 1 | 0835 | 104 | .00 | .00 | .00 | 9.  |
| 1 | 0020 | 5  | .09 | .07 | .02 | 6.   | * | 1 | 0840 | 105 | .00 | .00 | .00 | 7.  |
| 1 | 0025 | 6  | .10 | .06 | .04 | 23.  | * | 1 | 0845 | 106 | .00 | .00 | .00 | 6.  |
| 1 | 0030 | 7  | .02 | .02 | .00 | 51.  | * | 1 | 0850 | 107 | .00 | .00 | .00 | 4.  |
| 1 | 0035 | 8  | .03 | .03 | .00 | 88.  | * | 1 | 0855 | 108 | .00 | .00 | .00 | 3.  |
| 1 | 0040 | 9  | .02 | .02 | .00 | 135. | * | 1 | 0900 | 109 | .00 | .00 | .00 | 2.  |
| 1 | 0045 | 10 | .01 | .01 | .00 | 193. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 1.  |
| 1 | 0050 | 11 | .03 | .03 | .00 | 258. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0.  |
| 1 | 0055 | 12 | .01 | .01 | .00 | 318. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0.  |
| 1 | 0100 | 13 | .02 | .02 | .00 | 363. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0.  |
| 1 | 0105 | 14 | .01 | .01 | .00 | 391. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0.  |
| 1 | 0110 | 15 | .02 | .02 | .00 | 403. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0.  |
| 1 | 0115 | 16 | .02 | .02 | .00 | 403. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0.  |
| 1 | 0120 | 17 | .02 | .02 | .00 | 392. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0.  |
| 1 | 0125 | 18 | .03 | .03 | .00 | 368. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0.  |
| 1 | 0130 | 19 | .03 | .03 | .00 | 341. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0.  |
| 1 | 0135 | 20 | .03 | .03 | .00 | 309. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0.  |
| 1 | 0140 | 21 | .03 | .03 | .00 | 272. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0.  |
| 1 | 0145 | 22 | .03 | .03 | .00 | 231. | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0.  |
| 1 | 0150 | 23 | .02 | .02 | .00 | 196. | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0.  |
| 1 | 0155 | 24 | .05 | .04 | .01 | 170. | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0.  |
| 1 | 0200 | 25 | .03 | .03 | .00 | 150. | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0.  |
| 1 | 0205 | 26 | .03 | .03 | .00 | 135. | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0.  |
| 1 | 0210 | 27 | .02 | .02 | .00 | 125. | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0.  |
| 1 | 0215 | 28 | .01 | .01 | .00 | 118. | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0.  |
| 1 | 0220 | 29 | .00 | .00 | .00 | 113. | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0.  |
| 1 | 0225 | 30 | .02 | .02 | .00 | 109. | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0.  |
| 1 | 0230 | 31 | .01 | .01 | .00 | 105. | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0.  |
| 1 | 0235 | 32 | .02 | .02 | .00 | 102. | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0.  |
| 1 | 0240 | 33 | .02 | .02 | .00 | 97.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0.  |
| 1 | 0245 | 34 | .04 | .03 | .00 | 92.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0.  |
| 1 | 0250 | 35 | .05 | .03 | .01 | 89.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0.  |
| 1 | 0255 | 36 | .06 | .03 | .03 | 93.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0.  |
| 1 | 0300 | 37 | .08 | .03 | .05 | 112. | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0.  |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0305 | 38 | .07 | .03 | .03 | 152.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .14 | .03 | .11 | 228.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .11 | .03 | .08 | 356.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .14 | .03 | .11 | 549.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .21 | .03 | .18 | 829.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .24 | .03 | .21 | 1220. | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .03 | .03 | .00 | 1703. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .03 | .03 | .00 | 2238. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .06 | .03 | .03 | 2810. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .08 | .03 | .05 | 3396. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .03 | .03 | .00 | 3940. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .02 | .02 | .00 | 4367. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .03 | .03 | .00 | 4649. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .02 | .02 | .00 | 4780. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .03 | .03 | .00 | 4780. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .02 | .02 | .00 | 4664. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .04 | .03 | .01 | 4445. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .06 | .03 | .03 | 4137. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .09 | .03 | .06 | 3802. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .06 | .03 | .03 | 3462. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .08 | .03 | .06 | 3129. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .08 | .03 | .06 | 2843. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 2646. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 2535. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .02 | .02 | .00 | 2471. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .01 | .01 | .00 | 2433. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .01 | .01 | .00 | 2406. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .01 | .01 | .00 | 2367. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 2294. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 2191. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .01 | .01 | .00 | 2059. | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 1914. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .01 | .01 | .00 | 1748. | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 1567. | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .01 | .01 | .00 | 1382. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 1204. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 1034. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0610 | 75  | .00 | .00 | .00 | 881. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 752. | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 645. | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 557. | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 480. | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 415. | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 358. | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 308. | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 265. | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 228. | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 197. | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 170. | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 146. | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 125. | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 107. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 90.  | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 76.  | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 64.  | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 53.  | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 44.  | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 36.  | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 29.  | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 25.  | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 21.  | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 18.  | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 16.  | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 3.02, TOTAL LOSS = 1.80, TOTAL EXCESS = 1.22

| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| (CFS)                |              |                      |       |       |          |

|   |       |          |       |       |       |       |
|---|-------|----------|-------|-------|-------|-------|
| + | 4780. | 4.25     | 1430. | 529.  | 529.  | 529.  |
|   |       | (INCHES) | 1.194 | 1.220 | 1.220 | 1.220 |
|   |       | (AC-FT)  | 709.  | 725.  | 725.  | 725.  |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .62

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620

| *<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>*<br>* |      |      |     |      |      |        |      |   |          |     |     |      |     |      |      |        |      |   |
|--------------------------------------------------------------------|------|------|-----|------|------|--------|------|---|----------|-----|-----|------|-----|------|------|--------|------|---|
| DA                                                                 | MON  | HRMN | ORD | RAIN | LOSS | EXCESS | COMP | Q | *        | DA  | MON | HRMN | ORD | RAIN | LOSS | EXCESS | COMP | Q |
| 1                                                                  | 0000 | 1    | .00 | .00  | .00  | 0.     | *    | 1 | 0820 101 | .00 | .00 | .00  | 5.  |      |      |        |      |   |
| 1                                                                  | 0005 | 2    | .04 | .04  | .00  | 0.     | *    | 1 | 0825 102 | .00 | .00 | .00  | 4.  |      |      |        |      |   |
| 1                                                                  | 0010 | 3    | .07 | .07  | .00  | 0.     | *    | 1 | 0830 103 | .00 | .00 | .00  | 3.  |      |      |        |      |   |
| 1                                                                  | 0015 | 4    | .04 | .04  | .00  | 1.     | *    | 1 | 0835 104 | .00 | .00 | .00  | 3.  |      |      |        |      |   |
| 1                                                                  | 0020 | 5    | .06 | .06  | .00  | 1.     | *    | 1 | 0840 105 | .00 | .00 | .00  | 2.  |      |      |        |      |   |
| 1                                                                  | 0025 | 6    | .06 | .06  | .00  | 2.     | *    | 1 | 0845 106 | .00 | .00 | .00  | 2.  |      |      |        |      |   |
| 1                                                                  | 0030 | 7    | .01 | .01  | .00  | 3.     | *    | 1 | 0850 107 | .00 | .00 | .00  | 2.  |      |      |        |      |   |
| 1                                                                  | 0035 | 8    | .02 | .02  | .00  | 4.     | *    | 1 | 0855 108 | .00 | .00 | .00  | 1.  |      |      |        |      |   |
| 1                                                                  | 0040 | 9    | .01 | .01  | .00  | 6.     | *    | 1 | 0900 109 | .00 | .00 | .00  | 1.  |      |      |        |      |   |
| 1                                                                  | 0045 | 10   | .01 | .01  | .00  | 7.     | *    | 1 | 0905 110 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0050 | 11   | .02 | .02  | .00  | 9.     | *    | 1 | 0910 111 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0055 | 12   | .00 | .00  | .00  | 10.    | *    | 1 | 0915 112 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0100 | 13   | .01 | .01  | .00  | 11.    | *    | 1 | 0920 113 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0105 | 14   | .01 | .01  | .00  | 11.    | *    | 1 | 0925 114 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0110 | 15   | .01 | .01  | .00  | 12.    | *    | 1 | 0930 115 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0115 | 16   | .01 | .01  | .00  | 12.    | *    | 1 | 0935 116 | .00 | .00 | .00  | 0.  |      |      |        |      |   |
| 1                                                                  | 0120 | 17   | .01 | .01  | .00  | 11.    | *    | 1 | 0940 117 | .00 | .00 | .00  | 0.  |      |      |        |      |   |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0125 | 18 | .02 | .02 | .00 | 11.   | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .02 | .02 | .00 | 11.   | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .02 | .02 | .00 | 10.   | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .02 | .02 | .00 | 9.    | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .02 | .02 | .00 | 9.    | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 9.    | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .03 | .03 | .00 | 9.    | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .02 | .02 | .00 | 9.    | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .02 | .02 | .00 | 9.    | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .01 | .01 | .00 | 9.    | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .01 | .01 | .00 | 9.    | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 9.    | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 9.    | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .01 | .01 | .00 | 9.    | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .01 | .01 | .00 | 9.    | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 9.    | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .02 | .02 | .00 | 8.    | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .03 | .03 | .00 | 8.    | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .04 | .04 | .00 | 8.    | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .05 | .04 | .01 | 10.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .04 | .04 | .00 | 15.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .09 | .04 | .05 | 31.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .07 | .04 | .03 | 64.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .09 | .04 | .05 | 122.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .13 | .04 | .09 | 219.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .15 | .03 | .12 | 376.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .02 | .02 | .00 | 585.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .02 | .02 | .00 | 832.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .04 | .03 | .01 | 1108. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .05 | .03 | .02 | 1401. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .02 | .02 | .00 | 1683. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 1910. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .02 | .02 | .00 | 2066. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 2144. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .02 | .02 | .00 | 2156. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 2111. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .03 | .03 | .00 | 2015. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0430 | 55 | .04 | .03 | .00 | 1870. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .06 | .03 | .02 | 1709. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .04 | .03 | .01 | 1540. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .05 | .03 | .02 | 1367. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .05 | .03 | .02 | 1209. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 1091. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 1015. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 963.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 929.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 903.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 877.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 841.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 798.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 746.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 692.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .01 | .01 | .00 | 632.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 568.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 502.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 438.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 377.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 321.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 274.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 235.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 203.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 175.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 151.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 130.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 113.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 97.   | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 83.   | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 72.   | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86 | .00 | .00 | .00 | 62.   | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87 | .00 | .00 | .00 | 54.   | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88 | .00 | .00 | .00 | 46.   | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89 | .00 | .00 | .00 | 39.   | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90 | .00 | .00 | .00 | 33.   | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91 | .00 | .00 | .00 | 28.   | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0735 | 92  | .00 | .00 | .00 | 23. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 19. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 15. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 12. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 10. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 8.  | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 7.  | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 6.  | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 5.  | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.87, TOTAL LOSS = 1.40, TOTAL EXCESS = .47

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS)    |                      |       |       |          |
|           | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| +         | 2156.    | 4.25                 | 559.  | 203.  | 203.     |
|           | (INCHES) |                      | .466  | .469  | .469     |
|           | (AC-FT)  | 277.                 | 278.  | 278.  | 278.     |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .44

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| *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q * |      |    |     |     |     |    |   |   |      |     |     |     |     |    |
|------------------------------------------------|------|----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q   |      |    |     |     |     |    |   |   |      |     |     |     |     |    |
| 1                                              | 0000 | 1  | .00 | .00 | .00 | 0. | * | 1 | 0820 | 101 | .00 | .00 | .00 | 1. |
| 1                                              | 0005 | 2  | .03 | .03 | .00 | 0. | * | 1 | 0825 | 102 | .00 | .00 | .00 | 1. |
| 1                                              | 0010 | 3  | .05 | .05 | .00 | 0. | * | 1 | 0830 | 103 | .00 | .00 | .00 | 1. |
| 1                                              | 0015 | 4  | .03 | .03 | .00 | 0. | * | 1 | 0835 | 104 | .00 | .00 | .00 | 1. |
| 1                                              | 0020 | 5  | .04 | .04 | .00 | 1. | * | 1 | 0840 | 105 | .00 | .00 | .00 | 0. |
| 1                                              | 0025 | 6  | .05 | .04 | .00 | 1. | * | 1 | 0845 | 106 | .00 | .00 | .00 | 0. |
| 1                                              | 0030 | 7  | .01 | .01 | .00 | 2. | * | 1 | 0850 | 107 | .00 | .00 | .00 | 0. |
| 1                                              | 0035 | 8  | .01 | .01 | .00 | 3. | * | 1 | 0855 | 108 | .00 | .00 | .00 | 0. |
| 1                                              | 0040 | 9  | .01 | .01 | .00 | 4. | * | 1 | 0900 | 109 | .00 | .00 | .00 | 0. |
| 1                                              | 0045 | 10 | .00 | .00 | .00 | 5. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 0. |
| 1                                              | 0050 | 11 | .01 | .01 | .00 | 6. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0. |
| 1                                              | 0055 | 12 | .00 | .00 | .00 | 7. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1                                              | 0100 | 13 | .01 | .01 | .00 | 8. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1                                              | 0105 | 14 | .00 | .00 | .00 | 8. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1                                              | 0110 | 15 | .01 | .01 | .00 | 8. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1                                              | 0115 | 16 | .01 | .01 | .00 | 8. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1                                              | 0120 | 17 | .01 | .01 | .00 | 8. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1                                              | 0125 | 18 | .01 | .01 | .00 | 8. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1                                              | 0130 | 19 | .01 | .01 | .00 | 7. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1                                              | 0135 | 20 | .01 | .01 | .00 | 7. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1                                              | 0140 | 21 | .01 | .01 | .00 | 7. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1                                              | 0145 | 22 | .01 | .01 | .00 | 6. | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1                                              | 0150 | 23 | .01 | .01 | .00 | 6. | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1                                              | 0155 | 24 | .02 | .02 | .00 | 6. | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1                                              | 0200 | 25 | .01 | .01 | .00 | 6. | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1                                              | 0205 | 26 | .01 | .01 | .00 | 6. | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1                                              | 0210 | 27 | .01 | .01 | .00 | 6. | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1                                              | 0215 | 28 | .01 | .01 | .00 | 6. | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1                                              | 0220 | 29 | .00 | .00 | .00 | 6. | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1                                              | 0225 | 30 | .01 | .01 | .00 | 6. | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1                                              | 0230 | 31 | .01 | .01 | .00 | 6. | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1                                              | 0235 | 32 | .01 | .01 | .00 | 6. | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1                                              | 0240 | 33 | .01 | .01 | .00 | 6. | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1                                              | 0245 | 34 | .02 | .02 | .00 | 6. | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0250 | 35 | .02 | .02 | .00 | 6.    | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .03 | .03 | .00 | 6.    | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .04 | .04 | .00 | 6.    | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .03 | .03 | .00 | 6.    | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .06 | .04 | .02 | 9.    | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .05 | .04 | .01 | 18.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .06 | .04 | .02 | 35.   | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .09 | .04 | .05 | 69.   | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .11 | .04 | .07 | 133.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 224.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 336.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .03 | .03 | .00 | 467.  | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .04 | .04 | .00 | 613.  | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 758.  | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 878.  | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 962.  | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 1005. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 1012. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 990.  | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .02 | .02 | .00 | 944.  | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .03 | .03 | .00 | 874.  | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .04 | .03 | .01 | 796.  | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .03 | .03 | .00 | 711.  | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .04 | .03 | .00 | 620.  | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .04 | .03 | .00 | 532.  | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 460.  | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 407.  | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 366.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 333.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 307.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 283.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 259.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 236.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 213.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 193.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 173.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 153.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0555 | 72  | .00 | .00 | .00 | 134. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73  | .00 | .00 | .00 | 117. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74  | .00 | .00 | .00 | 100. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75  | .00 | .00 | .00 | 86.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 74.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 64.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 55.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 47.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 41.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 35.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 31.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 26.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 23.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 20.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 17.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 15.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 13.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 11.  | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 9.   | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 8.   | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 6.   | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 5.   | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 4.   | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 3.   | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 2.   | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 2.   | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 1.   | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 1.   | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 1.   | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.33, TOTAL LOSS = 1.14, TOTAL EXCESS = .19

PEAK FLOW TIME

MAXIMUM AVERAGE FLOW

|   |       |          |       |       |          |
|---|-------|----------|-------|-------|----------|
|   |       | 6-HR     | 24-HR | 72-HR | 16.58-HR |
| + | (CFS) | (HR)     |       |       |          |
|   |       | (CFS)    |       |       |          |
| + | 1012. | 4.25     | 228.  | 83.   | 83.      |
|   |       | (INCHES) | .190  | .192  | .192     |
|   |       | (AC-FT)  | 113.  | 114.  | 114.     |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .38

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627

|    |      |      |     |      |      |        |      |   |      | *   |     |      |     |      |      |        |      |   |  |  |
|----|------|------|-----|------|------|--------|------|---|------|-----|-----|------|-----|------|------|--------|------|---|--|--|
| DA | MON  | HRMN | ORD | RAIN | LOSS | EXCESS | COMP | Q | *    | DA  | MON | HRMN | ORD | RAIN | LOSS | EXCESS | COMP | Q |  |  |
|    |      |      |     |      |      |        |      |   |      | *   |     |      |     |      |      |        |      |   |  |  |
| 1  | 0000 | 1    | .00 | .00  | .00  | 0.     | *    | 1 | 0820 | 101 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0005 | 2    | .02 | .02  | .00  | 0.     | *    | 1 | 0825 | 102 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0010 | 3    | .04 | .04  | .00  | 0.     | *    | 1 | 0830 | 103 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0015 | 4    | .02 | .02  | .00  | 0.     | *    | 1 | 0835 | 104 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0020 | 5    | .03 | .03  | .00  | 1.     | *    | 1 | 0840 | 105 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0025 | 6    | .04 | .04  | .00  | 1.     | *    | 1 | 0845 | 106 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0030 | 7    | .01 | .01  | .00  | 2.     | *    | 1 | 0850 | 107 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0035 | 8    | .01 | .01  | .00  | 3.     | *    | 1 | 0855 | 108 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0040 | 9    | .01 | .01  | .00  | 4.     | *    | 1 | 0900 | 109 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0045 | 10   | .00 | .00  | .00  | 4.     | *    | 1 | 0905 | 110 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0050 | 11   | .01 | .01  | .00  | 5.     | *    | 1 | 0910 | 111 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0055 | 12   | .00 | .00  | .00  | 6.     | *    | 1 | 0915 | 112 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0100 | 13   | .01 | .01  | .00  | 7.     | *    | 1 | 0920 | 113 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |
| 1  | 0105 | 14   | .00 | .00  | .00  | 7.     | *    | 1 | 0925 | 114 | .00 | .00  | .00 | 0.   |      |        |      |   |  |  |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0110 | 15 | .01 | .01 | .00 | 7.   | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .01 | .01 | .00 | 7.   | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 7.   | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 7.   | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 6.   | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 6.   | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 6.   | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 6.   | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 5.   | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .02 | .02 | .00 | 5.   | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 5.   | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 5.   | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .01 | .01 | .00 | 5.   | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 5.   | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 5.   | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 5.   | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 5.   | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .01 | .01 | .00 | 5.   | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 5.   | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 5.   | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .02 | .02 | .00 | 5.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 5.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .03 | .03 | .00 | 5.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .03 | .03 | .00 | 5.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .05 | .05 | .01 | 6.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .04 | .04 | .00 | 10.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .05 | .04 | .01 | 16.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .08 | .04 | .04 | 33.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .09 | .04 | .05 | 69.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 123. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 190. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 272. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .03 | .03 | .00 | 369. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 469. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 555. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 618. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 652. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0415 | 52 | .01 | .01 | .00 | 663. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 653. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .02 | .02 | .00 | 627. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .02 | .02 | .00 | 584. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .03 | .03 | .00 | 535. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 480. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .03 | .03 | .00 | 418. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .03 | .03 | .00 | 354. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 299. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 257. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 222. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 193. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 168. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 148. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 128. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 111. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 96.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 84.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 72.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 63.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 54.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 47.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 40.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 35.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 30.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 26.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 23.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 20.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 17.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 15.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 13.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 11.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 9.   | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 8.   | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86 | .00 | .00 | .00 | 7.   | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87 | .00 | .00 | .00 | 6.   | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88 | .00 | .00 | .00 | 6.   | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0720 | 89  | .00 | .00 | .00 | 5. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 4. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 3. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 2. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 2. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 1. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 1. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.15, TOTAL LOSS = 1.03, TOTAL EXCESS = .12

| PEAK FLOW |          | TIME |       | MAXIMUM AVERAGE FLOW |          |      |
|-----------|----------|------|-------|----------------------|----------|------|
|           |          | 6-HR | 24-HR | 72-HR                | 16.58-HR |      |
| +         | (CFS)    | (HR) |       |                      |          |      |
|           | (CFS)    |      |       |                      |          |      |
| +         | 663.     | 4.25 | 139.  | 51.                  | 51.      | 51.  |
|           | (INCHES) |      | .116  | .117                 | .117     | .117 |
|           | (AC-FT)  |      | 69.   | 70.                  | 70.      | 70.  |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .32

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DA MON HRMN ORD RAIN LOSS EXCESS COMP Q \* DA MON HRMN ORD RAIN LOSS EXCESS COMP Q

\*

|   |      |    |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0000 | 1  | .00 | .00 | .00 | 0. | * | 1 | 0820 | 101 | .00 | .00 | .00 | 0. |
| 1 | 0005 | 2  | .02 | .02 | .00 | 0. | * | 1 | 0825 | 102 | .00 | .00 | .00 | 0. |
| 1 | 0010 | 3  | .04 | .04 | .00 | 0. | * | 1 | 0830 | 103 | .00 | .00 | .00 | 0. |
| 1 | 0015 | 4  | .02 | .02 | .00 | 0. | * | 1 | 0835 | 104 | .00 | .00 | .00 | 0. |
| 1 | 0020 | 5  | .03 | .03 | .00 | 1. | * | 1 | 0840 | 105 | .00 | .00 | .00 | 0. |
| 1 | 0025 | 6  | .03 | .03 | .00 | 1. | * | 1 | 0845 | 106 | .00 | .00 | .00 | 0. |
| 1 | 0030 | 7  | .01 | .01 | .00 | 2. | * | 1 | 0850 | 107 | .00 | .00 | .00 | 0. |
| 1 | 0035 | 8  | .01 | .01 | .00 | 2. | * | 1 | 0855 | 108 | .00 | .00 | .00 | 0. |
| 1 | 0040 | 9  | .01 | .01 | .00 | 3. | * | 1 | 0900 | 109 | .00 | .00 | .00 | 0. |
| 1 | 0045 | 10 | .00 | .00 | .00 | 4. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 0. |
| 1 | 0050 | 11 | .01 | .01 | .00 | 4. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0. |
| 1 | 0055 | 12 | .00 | .00 | .00 | 5. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .00 | .00 | .00 | 6. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 6. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .01 | .01 | .00 | 6. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .00 | .00 | .00 | 6. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 6. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 6. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 5. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 5. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 5. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 5. | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 5. | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .01 | .01 | .00 | 4. | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 4. | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 4. | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .00 | .00 | .00 | 4. | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 5. | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 5. | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 5. | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 5. | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |



|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0235 | 32 | .01 | .01 | .00 | 5.   | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 4.   | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 4.   | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .01 | .01 | .00 | 4.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 4.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .03 | .03 | .00 | 4.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .02 | .02 | .00 | 4.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .05 | .05 | .00 | 4.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .04 | .04 | .00 | 5.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .05 | .04 | .00 | 5.   | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .07 | .04 | .02 | 10.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .08 | .04 | .04 | 25.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 50.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 83.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 124. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .03 | .03 | .00 | 177. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 235. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .00 | .00 | .00 | 287. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 326. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 351. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 361. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 360. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .01 | .01 | .00 | 348. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .02 | .02 | .00 | 327. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .03 | .03 | .00 | 303. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 274. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .03 | .03 | .00 | 240. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .03 | .03 | .00 | 204. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 172. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 148. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .00 | .00 | .00 | 128. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 111. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 98.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 86.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 75.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 65.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 56.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0540 | 69  | .00 | .00 | .00 | 50. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70  | .00 | .00 | .00 | 43. | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71  | .00 | .00 | .00 | 38. | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72  | .00 | .00 | .00 | 32. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73  | .00 | .00 | .00 | 28. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74  | .00 | .00 | .00 | 24. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75  | .00 | .00 | .00 | 21. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 18. | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 16. | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 14. | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 12. | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 10. | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 9.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 8.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 7.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 6.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 5.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 4.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 4.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 3.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 3.  | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 2.  | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 2.  | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 2.  | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 1.  | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 1.  | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0.  | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0.  | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0.  | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0.  | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0.  | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0.  | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = .97, TOTAL LOSS = .90, TOTAL EXCESS = .06

| PEAK FLOW |       | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|----------------------|-------|-------|----------|
|           |       |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |                      |       |       |          |
|           |       | (CFS)    |                      |       |       |          |
| +         | 361.  | 4.25     | 76.                  | 28.   | 28.   | 28.      |
|           |       | (INCHES) | .064                 | .064  | .064  | .064     |
|           |       | (AC-FT)  | 38.                  | 38.   | 38.   | 38.      |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .26

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| *<br>*<br>* |      |    |     |     |      |      |        |      |      |     |     |     |     |    |     |      |      |        |      |   |
|-------------|------|----|-----|-----|------|------|--------|------|------|-----|-----|-----|-----|----|-----|------|------|--------|------|---|
| DA          | MON  | HR | MN  | ORD | RAIN | LOSS | EXCESS | COMP | Q    | *   | DA  | MON | HR  | MN | ORD | RAIN | LOSS | EXCESS | COMP | Q |
| 1           | 0000 | 1  | .00 | .00 | .00  | 0.   | *      | 1    | 0820 | 101 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0005 | 2  | .02 | .02 | .00  | 0.   | *      | 1    | 0825 | 102 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0010 | 3  | .03 | .03 | .00  | 0.   | *      | 1    | 0830 | 103 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0015 | 4  | .02 | .02 | .00  | 0.   | *      | 1    | 0835 | 104 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0020 | 5  | .02 | .02 | .00  | 0.   | *      | 1    | 0840 | 105 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0025 | 6  | .03 | .03 | .00  | 1.   | *      | 1    | 0845 | 106 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0030 | 7  | .00 | .00 | .00  | 1.   | *      | 1    | 0850 | 107 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0035 | 8  | .01 | .01 | .00  | 2.   | *      | 1    | 0855 | 108 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0040 | 9  | .01 | .01 | .00  | 2.   | *      | 1    | 0900 | 109 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0045 | 10 | .00 | .00 | .00  | 3.   | *      | 1    | 0905 | 110 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |
| 1           | 0050 | 11 | .01 | .01 | .00  | 4.   | *      | 1    | 0910 | 111 | .00 | .00 | .00 | 0. |     |      |      |        |      |   |

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0055 | 12 | .00 | .00 | .00 | 4.  | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .00 | .00 | .00 | 5.  | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 5.  | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .01 | .01 | .00 | 5.  | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .00 | .00 | .00 | 5.  | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 5.  | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 5.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 4.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 4.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 4.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 4.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .00 | .00 | .00 | 4.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .01 | .01 | .00 | 4.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 4.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 4.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .00 | .00 | .00 | 4.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 4.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 4.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 4.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 4.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .00 | .00 | .00 | 4.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .00 | .00 | .00 | 4.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 4.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .01 | .01 | .00 | 3.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 3.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .02 | .02 | .00 | 3.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .02 | .02 | .00 | 3.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .04 | .04 | .00 | 3.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .03 | .03 | .00 | 4.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .04 | .04 | .00 | 4.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .05 | .05 | .01 | 6.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .06 | .05 | .02 | 11. | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 21. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 34. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 50. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .02 | .02 | .00 | 70. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 93. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0400 | 49 | .00 | .00 | .00 | 114. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 131. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .00 | .00 | .00 | 141. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 146. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .00 | .00 | .00 | 146. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .01 | .01 | .00 | 142. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .01 | .01 | .00 | 134. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .02 | .02 | .00 | 124. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 113. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .02 | .02 | .00 | 100. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .02 | .02 | .00 | 85.  | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 72.  | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 63.  | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .00 | .00 | .00 | 55.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 48.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 43.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 38.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 33.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 29.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 26.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 23.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 20.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 18.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 15.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 13.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 12.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 10.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 9.   | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 8.   | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 7.   | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 6.   | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 5.   | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 4.   | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 4.   | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 3.   | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 3.   | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 2.   | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0705 | 86  | .00 | .00 | .00 | 2. | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 2. | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 2. | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 1. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 1. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 1. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 1. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 1. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 0. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = .79, TOTAL LOSS = .76, TOTAL EXCESS = .03

| PEAK FLOW |       | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|----------------------|-------|-------|----------|
|           |       |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |                      |       |       |          |
|           |       | (CFS)    |                      |       |       |          |
| +         | 146.  | 4.25     | 32.                  | 12.   | 12.   | 12.      |
|           |       | (INCHES) | .027                 | .027  | .027  | .027     |
|           |       | (AC-FT)  | 16.                  | 16.   | 16.   | 16.      |

CUMULATIVE AREA = 11.14 SQ MI

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*****
*      *
128 KK  *   COut *
*      *
*****

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129 KO      OUTPUT CONTROL VARIABLES
          IPRNT      2 PRINT CONTROL
          IPLOT      0 PLOT CONTROL
          QSCAL      0. HYDROGRAPH PLOT SCALE

130 HC      HYDROGRAPH COMBINATION
          ICOMP      4 NUMBER OF HYDROGRAPHS TO COMBINE

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .62

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**

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| *<br>DA MON HRMN ORD |      |   |    | *<br>FLOW |      |    |       | *<br>DA MON HRMN ORD |      |     |      | *<br>FLOW |      |     |    | *<br>DA MON HRMN ORD |  |  |  | *<br>FLOW |  |  |  |
|----------------------|------|---|----|-----------|------|----|-------|----------------------|------|-----|------|-----------|------|-----|----|----------------------|--|--|--|-----------|--|--|--|
| 1                    | 0000 | 1 | 0. | * 1       | 0410 | 51 | 6095. | * 1                  | 0820 | 101 | 652. | * 1       | 1230 | 151 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0005 | 2 | 0. | * 1       | 0415 | 52 | 6695. | * 1                  | 0825 | 102 | 565. | * 1       | 1235 | 152 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0010 | 3 | 0. | * 1       | 0420 | 53 | 7305. | * 1                  | 0830 | 103 | 488. | * 1       | 1240 | 153 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0015 | 4 | 0. | * 1       | 0425 | 54 | 7886. | * 1                  | 0835 | 104 | 421. | * 1       | 1245 | 154 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0020 | 5 | 1. | * 1       | 0430 | 55 | 8407. | * 1                  | 0840 | 105 | 363. | * 1       | 1250 | 155 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0025 | 6 | 2. | * 1       | 0435 | 56 | 8865. | * 1                  | 0845 | 106 | 312. | * 1       | 1255 | 156 | 0. |                      |  |  |  |           |  |  |  |

|   |      |    |       |   |   |      |    |       |   |   |      |     |      |   |   |      |     |    |
|---|------|----|-------|---|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|
| 1 | 0030 | 7  | 5.    | * | 1 | 0440 | 57 | 9245. | * | 1 | 0850 | 107 | 269. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 8.    | * | 1 | 0445 | 58 | 9516. | * | 1 | 0855 | 108 | 232. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 12.   | * | 1 | 0450 | 59 | 9688. | * | 1 | 0900 | 109 | 200. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 16.   | * | 1 | 0455 | 60 | 9777. | * | 1 | 0905 | 110 | 172. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 22.   | * | 1 | 0500 | 61 | 9807. | * | 1 | 0910 | 111 | 149. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 28.   | * | 1 | 0505 | 62 | 9794. | * | 1 | 0915 | 112 | 128. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 34.   | * | 1 | 0510 | 63 | 9732. | * | 1 | 0920 | 113 | 111. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 39.   | * | 1 | 0515 | 64 | 9615. | * | 1 | 0925 | 114 | 96.  | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 44.   | * | 1 | 0520 | 65 | 9453. | * | 1 | 0930 | 115 | 83.  | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 49.   | * | 1 | 0525 | 66 | 9268. | * | 1 | 0935 | 116 | 72.  | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 55.   | * | 1 | 0530 | 67 | 9068. | * | 1 | 0940 | 117 | 63.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 60.   | * | 1 | 0535 | 68 | 8865. | * | 1 | 0945 | 118 | 55.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 64.   | * | 1 | 0540 | 69 | 8671. | * | 1 | 0950 | 119 | 48.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 68.   | * | 1 | 0545 | 70 | 8486. | * | 1 | 0955 | 120 | 42.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 71.   | * | 1 | 0550 | 71 | 8300. | * | 1 | 1000 | 121 | 36.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 73.   | * | 1 | 0555 | 72 | 8103. | * | 1 | 1005 | 122 | 32.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 73.   | * | 1 | 0600 | 73 | 7887. | * | 1 | 1010 | 123 | 28.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 74.   | * | 1 | 0605 | 74 | 7641. | * | 1 | 1015 | 124 | 24.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 74.   | * | 1 | 0610 | 75 | 7363. | * | 1 | 1020 | 125 | 21.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 74.   | * | 1 | 0615 | 76 | 7054. | * | 1 | 1025 | 126 | 18.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 74.   | * | 1 | 0620 | 77 | 6717. | * | 1 | 1030 | 127 | 16.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 74.   | * | 1 | 0625 | 78 | 6359. | * | 1 | 1035 | 128 | 13.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 75.   | * | 1 | 0630 | 79 | 5982. | * | 1 | 1040 | 129 | 11.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 74.   | * | 1 | 0635 | 80 | 5589. | * | 1 | 1045 | 130 | 10.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 74.   | * | 1 | 0640 | 81 | 5187. | * | 1 | 1050 | 131 | 8.   | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 73.   | * | 1 | 0645 | 82 | 4786. | * | 1 | 1055 | 132 | 7.   | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 73.   | * | 1 | 0650 | 83 | 4391. | * | 1 | 1100 | 133 | 6.   | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 72.   | * | 1 | 0655 | 84 | 4012. | * | 1 | 1105 | 134 | 5.   | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 72.   | * | 1 | 0700 | 85 | 3654. | * | 1 | 1110 | 135 | 4.   | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 74.   | * | 1 | 0705 | 86 | 3322. | * | 1 | 1115 | 136 | 4.   | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 83.   | * | 1 | 0710 | 87 | 3018. | * | 1 | 1120 | 137 | 3.   | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 103.  | * | 1 | 0715 | 88 | 2743. | * | 1 | 1125 | 138 | 3.   | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 153.  | * | 1 | 0720 | 89 | 2495. | * | 1 | 1130 | 139 | 2.   | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 251.  | * | 1 | 0725 | 90 | 2271. | * | 1 | 1135 | 140 | 2.   | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 413.  | * | 1 | 0730 | 91 | 2067. | * | 1 | 1140 | 141 | 2.   | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 673.  | * | 1 | 0735 | 92 | 1880. | * | 1 | 1145 | 142 | 1.   | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 1072. | * | 1 | 0740 | 93 | 1706. | * | 1 | 1150 | 143 | 1.   | * | 1 | 1600 | 193 | 0. |



|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0335 | 44 | 1583. | * | 1 | 0745 | 94  | 1542. | * | 1 | 1155 | 144 | 1. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 2180. | * | 1 | 0750 | 95  | 1388. | * | 1 | 1200 | 145 | 1. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 2847. | * | 1 | 0755 | 96  | 1242. | * | 1 | 1205 | 146 | 1. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 3554. | * | 1 | 0800 | 97  | 1105. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 4234. | * | 1 | 0805 | 98  | 976.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 4878. | * | 1 | 0810 | 99  | 858.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 5491. | * | 1 | 0815 | 100 | 750.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |       |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 9807.   | 5.00     | 4550.                | 1661. | 1661. | 1661.    |
|           | (INCHES) | .515                 | .520  | .520  | .520     |
|           | (AC-FT)  | 2256.                | 2277. | 2277. | 2277.    |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .44

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|                 |      |   |                 |      |   |                 |      |   |                 |
|-----------------|------|---|-----------------|------|---|-----------------|------|---|-----------------|
| *               | *    | * |                 |      |   |                 |      |   |                 |
| DA MON HRMN ORD | FLOW | * | DA MON HRMN ORD | FLOW | * | DA MON HRMN ORD | FLOW | * | DA MON HRMN ORD |
| *               |      | * |                 |      | * |                 |      | * |                 |

|   |      |    |     |   |   |      |    |       |   |   |      |     |      |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|
| 1 | 0000 | 1  | 0.  | * | 1 | 0410 | 51 | 2833. | * | 1 | 0820 | 101 | 220. | * | 1 | 1230 | 151 | 0. |
| 1 | 0005 | 2  | 0.  | * | 1 | 0415 | 52 | 3111. | * | 1 | 0825 | 102 | 190. | * | 1 | 1235 | 152 | 0. |
| 1 | 0010 | 3  | 0.  | * | 1 | 0420 | 53 | 3405. | * | 1 | 0830 | 103 | 164. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 0.  | * | 1 | 0425 | 54 | 3695. | * | 1 | 0835 | 104 | 141. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 1.  | * | 1 | 0430 | 55 | 3960. | * | 1 | 0840 | 105 | 121. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 1.  | * | 1 | 0435 | 56 | 4195. | * | 1 | 0845 | 106 | 104. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 2.  | * | 1 | 0440 | 57 | 4387. | * | 1 | 0850 | 107 | 89.  | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 3.  | * | 1 | 0445 | 58 | 4513. | * | 1 | 0855 | 108 | 76.  | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 4.  | * | 1 | 0450 | 59 | 4576. | * | 1 | 0900 | 109 | 66.  | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 5.  | * | 1 | 0455 | 60 | 4583. | * | 1 | 0905 | 110 | 57.  | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 6.  | * | 1 | 0500 | 61 | 4555. | * | 1 | 0910 | 111 | 49.  | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 7.  | * | 1 | 0505 | 62 | 4508. | * | 1 | 0915 | 112 | 42.  | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 8.  | * | 1 | 0510 | 63 | 4440. | * | 1 | 0920 | 113 | 36.  | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 9.  | * | 1 | 0515 | 64 | 4352. | * | 1 | 0925 | 114 | 31.  | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 11. | * | 1 | 0520 | 65 | 4247. | * | 1 | 0930 | 115 | 27.  | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 13. | * | 1 | 0525 | 66 | 4131. | * | 1 | 0935 | 116 | 24.  | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 15. | * | 1 | 0530 | 67 | 4006. | * | 1 | 0940 | 117 | 21.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 17. | * | 1 | 0535 | 68 | 3878. | * | 1 | 0945 | 118 | 18.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 18. | * | 1 | 0540 | 69 | 3753. | * | 1 | 0950 | 119 | 16.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 20. | * | 1 | 0545 | 70 | 3634. | * | 1 | 0955 | 120 | 14.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 22. | * | 1 | 0550 | 71 | 3520. | * | 1 | 1000 | 121 | 12.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 23. | * | 1 | 0555 | 72 | 3407. | * | 1 | 1005 | 122 | 11.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 24. | * | 1 | 0600 | 73 | 3293. | * | 1 | 1010 | 123 | 9.   | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 25. | * | 1 | 0605 | 74 | 3174. | * | 1 | 1015 | 124 | 8.   | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 26. | * | 1 | 0610 | 75 | 3047. | * | 1 | 1020 | 125 | 7.   | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 26. | * | 1 | 0615 | 76 | 2911. | * | 1 | 1025 | 126 | 6.   | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 27. | * | 1 | 0620 | 77 | 2765. | * | 1 | 1030 | 127 | 5.   | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 27. | * | 1 | 0625 | 78 | 2610. | * | 1 | 1035 | 128 | 4.   | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 27. | * | 1 | 0630 | 79 | 2446. | * | 1 | 1040 | 129 | 3.   | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 28. | * | 1 | 0635 | 80 | 2274. | * | 1 | 1045 | 130 | 3.   | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 28. | * | 1 | 0640 | 81 | 2097. | * | 1 | 1050 | 131 | 2.   | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 28. | * | 1 | 0645 | 82 | 1920. | * | 1 | 1055 | 132 | 2.   | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 29. | * | 1 | 0650 | 83 | 1746. | * | 1 | 1100 | 133 | 2.   | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 29. | * | 1 | 0655 | 84 | 1579. | * | 1 | 1105 | 134 | 1.   | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 30. | * | 1 | 0700 | 85 | 1421. | * | 1 | 1110 | 135 | 1.   | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 30. | * | 1 | 0705 | 86 | 1276. | * | 1 | 1115 | 136 | 1.   | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 31. | * | 1 | 0710 | 87 | 1143. | * | 1 | 1120 | 137 | 1.   | * | 1 | 1530 | 187 | 0. |

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0305 | 38 | 32.   | * | 1 | 0715 | 88  | 1025. | * | 1 | 1125 | 138 | 1. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 42.   | * | 1 | 0720 | 89  | 920.  | * | 1 | 1130 | 139 | 1. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 68.   | * | 1 | 0725 | 90  | 826.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 118.  | * | 1 | 0730 | 91  | 743.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 215.  | * | 1 | 0735 | 92  | 668.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 388.  | * | 1 | 0740 | 93  | 600.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 625.  | * | 1 | 0745 | 94  | 538.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 916.  | * | 1 | 0750 | 95  | 481.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 1253. | * | 1 | 0755 | 96  | 428.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1613. | * | 1 | 0800 | 97  | 379.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1953. | * | 1 | 0805 | 98  | 333.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 2267. | * | 1 | 0810 | 99  | 292.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 2556. | * | 1 | 0815 | 100 | 254.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *     |   |   | *    |     |    |   |   |      |     |    |

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642

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 4583.   | 4.92     | 1974.                | 719.  | 719.  | 719.     |
|           | (INCHES) | .223                 | .225  | .225  | .225     |
|           | (AC-FT)  | 979.                 | 986.  | 986.  | 986.     |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut

SUM OF 4 HYDROGRAPHS

PLAN 1, RATIO = .38

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| *  |      |      |     |      | *  |      |      |       |      | *  |      |      |      |      | *  |      |      |     |      |
|----|------|------|-----|------|----|------|------|-------|------|----|------|------|------|------|----|------|------|-----|------|
| DA | MON  | HRMN | ORD | FLOW | DA | MON  | HRMN | ORD   | FLOW | DA | MON  | HRMN | ORD  | FLOW | DA | MON  | HRMN | ORD | FLOW |
| *  |      |      |     |      | *  |      |      |       |      | *  |      |      |      |      | *  |      |      |     |      |
| 1  | 0000 | 1    | 0.  | *    | 1  | 0410 | 51   | 1907. | *    | 1  | 0820 | 101  | 105. | *    | 1  | 1230 | 151  | 0.  |      |
| 1  | 0005 | 2    | 0.  | *    | 1  | 0415 | 52   | 2090. | *    | 1  | 0825 | 102  | 90.  | *    | 1  | 1235 | 152  | 0.  |      |
| 1  | 0010 | 3    | 0.  | *    | 1  | 0420 | 53   | 2286. | *    | 1  | 0830 | 103  | 77.  | *    | 1  | 1240 | 153  | 0.  |      |
| 1  | 0015 | 4    | 0.  | *    | 1  | 0425 | 54   | 2482. | *    | 1  | 0835 | 104  | 66.  | *    | 1  | 1245 | 154  | 0.  |      |
| 1  | 0020 | 5    | 1.  | *    | 1  | 0430 | 55   | 2663. | *    | 1  | 0840 | 105  | 56.  | *    | 1  | 1250 | 155  | 0.  |      |
| 1  | 0025 | 6    | 1.  | *    | 1  | 0435 | 56   | 2827. | *    | 1  | 0845 | 106  | 48.  | *    | 1  | 1255 | 156  | 0.  |      |
| 1  | 0030 | 7    | 2.  | *    | 1  | 0440 | 57   | 2961. | *    | 1  | 0850 | 107  | 41.  | *    | 1  | 1300 | 157  | 0.  |      |
| 1  | 0035 | 8    | 2.  | *    | 1  | 0445 | 58   | 3049. | *    | 1  | 0855 | 108  | 35.  | *    | 1  | 1305 | 158  | 0.  |      |
| 1  | 0040 | 9    | 3.  | *    | 1  | 0450 | 59   | 3085. | *    | 1  | 0900 | 109  | 30.  | *    | 1  | 1310 | 159  | 0.  |      |
| 1  | 0045 | 10   | 4.  | *    | 1  | 0455 | 60   | 3078. | *    | 1  | 0905 | 110  | 26.  | *    | 1  | 1315 | 160  | 0.  |      |
| 1  | 0050 | 11   | 5.  | *    | 1  | 0500 | 61   | 3044. | *    | 1  | 0910 | 111  | 22.  | *    | 1  | 1320 | 161  | 0.  |      |
| 1  | 0055 | 12   | 6.  | *    | 1  | 0505 | 62   | 2995. | *    | 1  | 0915 | 112  | 19.  | *    | 1  | 1325 | 162  | 0.  |      |
| 1  | 0100 | 13   | 7.  | *    | 1  | 0510 | 63   | 2933. | *    | 1  | 0920 | 113  | 16.  | *    | 1  | 1330 | 163  | 0.  |      |
| 1  | 0105 | 14   | 8.  | *    | 1  | 0515 | 64   | 2860. | *    | 1  | 0925 | 114  | 14.  | *    | 1  | 1335 | 164  | 0.  |      |
| 1  | 0110 | 15   | 9.  | *    | 1  | 0520 | 65   | 2777. | *    | 1  | 0930 | 115  | 12.  | *    | 1  | 1340 | 165  | 0.  |      |
| 1  | 0115 | 16   | 11. | *    | 1  | 0525 | 66   | 2687. | *    | 1  | 0935 | 116  | 11.  | *    | 1  | 1345 | 166  | 0.  |      |
| 1  | 0120 | 17   | 13. | *    | 1  | 0530 | 67   | 2591. | *    | 1  | 0940 | 117  | 9.   | *    | 1  | 1350 | 167  | 0.  |      |
| 1  | 0125 | 18   | 14. | *    | 1  | 0535 | 68   | 2492. | *    | 1  | 0945 | 118  | 8.   | *    | 1  | 1355 | 168  | 0.  |      |
| 1  | 0130 | 19   | 16. | *    | 1  | 0540 | 69   | 2394. | *    | 1  | 0950 | 119  | 7.   | *    | 1  | 1400 | 169  | 0.  |      |
| 1  | 0135 | 20   | 17. | *    | 1  | 0545 | 70   | 2301. | *    | 1  | 0955 | 120  | 6.   | *    | 1  | 1405 | 170  | 0.  |      |
| 1  | 0140 | 21   | 19. | *    | 1  | 0550 | 71   | 2212. | *    | 1  | 1000 | 121  | 6.   | *    | 1  | 1410 | 171  | 0.  |      |
| 1  | 0145 | 22   | 20. | *    | 1  | 0555 | 72   | 2126. | *    | 1  | 1005 | 122  | 5.   | *    | 1  | 1415 | 172  | 0.  |      |
| 1  | 0150 | 23   | 21. | *    | 1  | 0600 | 73   | 2043. | *    | 1  | 1010 | 123  | 4.   | *    | 1  | 1420 | 173  | 0.  |      |
| 1  | 0155 | 24   | 21. | *    | 1  | 0605 | 74   | 1960. | *    | 1  | 1015 | 124  | 4.   | *    | 1  | 1425 | 174  | 0.  |      |
| 1  | 0200 | 25   | 22. | *    | 1  | 0610 | 75   | 1876. | *    | 1  | 1020 | 125  | 3.   | *    | 1  | 1430 | 175  | 0.  |      |
| 1  | 0205 | 26   | 23. | *    | 1  | 0615 | 76   | 1788. | *    | 1  | 1025 | 126  | 3.   | *    | 1  | 1435 | 176  | 0.  |      |
| 1  | 0210 | 27   | 23. | *    | 1  | 0620 | 77   | 1695. | *    | 1  | 1030 | 127  | 2.   | *    | 1  | 1440 | 177  | 0.  |      |
| 1  | 0215 | 28   | 23. | *    | 1  | 0625 | 78   | 1596. | *    | 1  | 1035 | 128  | 2.   | *    | 1  | 1445 | 178  | 0.  |      |
| 1  | 0220 | 29   | 24. | *    | 1  | 0630 | 79   | 1490. | *    | 1  | 1040 | 129  | 1.   | *    | 1  | 1450 | 179  | 0.  |      |
| 1  | 0225 | 30   | 24. | *    | 1  | 0635 | 80   | 1379. | *    | 1  | 1045 | 130  | 1.   | *    | 1  | 1455 | 180  | 0.  |      |
| 1  | 0230 | 31   | 24. | *    | 1  | 0640 | 81   | 1264. | *    | 1  | 1050 | 131  | 1.   | *    | 1  | 1500 | 181  | 0.  |      |

|   |      |    |       |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0235 | 32 | 25.   | * | 1 | 0645 | 82  | 1149. | * | 1 | 1055 | 132 | 1. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 25.   | * | 1 | 0650 | 83  | 1035. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 25.   | * | 1 | 0655 | 84  | 926.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 26.   | * | 1 | 0700 | 85  | 823.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 26.   | * | 1 | 0705 | 86  | 729.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 27.   | * | 1 | 0710 | 87  | 644.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 27.   | * | 1 | 0715 | 88  | 569.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 33.   | * | 1 | 0720 | 89  | 502.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 47.   | * | 1 | 0725 | 90  | 443.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 72.   | * | 1 | 0730 | 91  | 392.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 129.  | * | 1 | 0735 | 92  | 347.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 237.  | * | 1 | 0740 | 93  | 308.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 391.  | * | 1 | 0745 | 94  | 272.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 585.  | * | 1 | 0750 | 95  | 241.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 818.  | * | 1 | 0755 | 96  | 212.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 1070. | * | 1 | 0800 | 97  | 186.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 1309. | * | 1 | 0805 | 98  | 162.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1527. | * | 1 | 0810 | 99  | 141.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1723. | * | 1 | 0815 | 100 | 122.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     | *     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + 3085.              | 4.83         | 1259.                | 459.  | 459.  | 459.     |
|                      | (INCHES)     | .142                 | .144  | .144  | .144     |
|                      | (AC-FT)      | 624.                 | 629.  | 629.  | 629.     |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .32

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645

| *<br>DA MON HRMN ORD |      |    |     | *<br>FLOW |   |      |    | *<br>DA MON HRMN ORD |   |   |      | *<br>FLOW |     |   |   | *<br>DA MON HRMN ORD |     |    |  | *<br>FLOW |  |  |  |
|----------------------|------|----|-----|-----------|---|------|----|----------------------|---|---|------|-----------|-----|---|---|----------------------|-----|----|--|-----------|--|--|--|
| 1                    | 0000 | 1  | 0.  | *         | 1 | 0410 | 51 | 1060.                | * | 1 | 0820 | 101       | 42. | * | 1 | 1230                 | 151 | 0. |  |           |  |  |  |
| 1                    | 0005 | 2  | 0.  | *         | 1 | 0415 | 52 | 1163.                | * | 1 | 0825 | 102       | 36. | * | 1 | 1235                 | 152 | 0. |  |           |  |  |  |
| 1                    | 0010 | 3  | 0.  | *         | 1 | 0420 | 53 | 1275.                | * | 1 | 0830 | 103       | 31. | * | 1 | 1240                 | 153 | 0. |  |           |  |  |  |
| 1                    | 0015 | 4  | 0.  | *         | 1 | 0425 | 54 | 1389.                | * | 1 | 0835 | 104       | 27. | * | 1 | 1245                 | 154 | 0. |  |           |  |  |  |
| 1                    | 0020 | 5  | 0.  | *         | 1 | 0430 | 55 | 1498.                | * | 1 | 0840 | 105       | 23. | * | 1 | 1250                 | 155 | 0. |  |           |  |  |  |
| 1                    | 0025 | 6  | 1.  | *         | 1 | 0435 | 56 | 1598.                | * | 1 | 0845 | 106       | 20. | * | 1 | 1255                 | 156 | 0. |  |           |  |  |  |
| 1                    | 0030 | 7  | 1.  | *         | 1 | 0440 | 57 | 1685.                | * | 1 | 0850 | 107       | 17. | * | 1 | 1300                 | 157 | 0. |  |           |  |  |  |
| 1                    | 0035 | 8  | 2.  | *         | 1 | 0445 | 58 | 1743.                | * | 1 | 0855 | 108       | 15. | * | 1 | 1305                 | 158 | 0. |  |           |  |  |  |
| 1                    | 0040 | 9  | 3.  | *         | 1 | 0450 | 59 | 1768.                | * | 1 | 0900 | 109       | 13. | * | 1 | 1310                 | 159 | 0. |  |           |  |  |  |
| 1                    | 0045 | 10 | 3.  | *         | 1 | 0455 | 60 | 1764.                | * | 1 | 0905 | 110       | 11. | * | 1 | 1315                 | 160 | 0. |  |           |  |  |  |
| 1                    | 0050 | 11 | 4.  | *         | 1 | 0500 | 61 | 1742.                | * | 1 | 0910 | 111       | 10. | * | 1 | 1320                 | 161 | 0. |  |           |  |  |  |
| 1                    | 0055 | 12 | 5.  | *         | 1 | 0505 | 62 | 1710.                | * | 1 | 0915 | 112       | 9.  | * | 1 | 1325                 | 162 | 0. |  |           |  |  |  |
| 1                    | 0100 | 13 | 6.  | *         | 1 | 0510 | 63 | 1672.                | * | 1 | 0920 | 113       | 8.  | * | 1 | 1330                 | 163 | 0. |  |           |  |  |  |
| 1                    | 0105 | 14 | 7.  | *         | 1 | 0515 | 64 | 1627.                | * | 1 | 0925 | 114       | 7.  | * | 1 | 1335                 | 164 | 0. |  |           |  |  |  |
| 1                    | 0110 | 15 | 8.  | *         | 1 | 0520 | 65 | 1576.                | * | 1 | 0930 | 115       | 6.  | * | 1 | 1340                 | 165 | 0. |  |           |  |  |  |
| 1                    | 0115 | 16 | 9.  | *         | 1 | 0525 | 66 | 1522.                | * | 1 | 0935 | 116       | 5.  | * | 1 | 1345                 | 166 | 0. |  |           |  |  |  |
| 1                    | 0120 | 17 | 11. | *         | 1 | 0530 | 67 | 1463.                | * | 1 | 0940 | 117       | 5.  | * | 1 | 1350                 | 167 | 0. |  |           |  |  |  |
| 1                    | 0125 | 18 | 12. | *         | 1 | 0535 | 68 | 1403.                | * | 1 | 0945 | 118       | 4.  | * | 1 | 1355                 | 168 | 0. |  |           |  |  |  |
| 1                    | 0130 | 19 | 13. | *         | 1 | 0540 | 69 | 1342.                | * | 1 | 0950 | 119       | 4.  | * | 1 | 1400                 | 169 | 0. |  |           |  |  |  |
| 1                    | 0135 | 20 | 15. | *         | 1 | 0545 | 70 | 1283.                | * | 1 | 0955 | 120       | 3.  | * | 1 | 1405                 | 170 | 0. |  |           |  |  |  |
| 1                    | 0140 | 21 | 16. | *         | 1 | 0550 | 71 | 1228.                | * | 1 | 1000 | 121       | 3.  | * | 1 | 1410                 | 171 | 0. |  |           |  |  |  |
| 1                    | 0145 | 22 | 17. | *         | 1 | 0555 | 72 | 1176.                | * | 1 | 1005 | 122       | 3.  | * | 1 | 1415                 | 172 | 0. |  |           |  |  |  |
| 1                    | 0150 | 23 | 17. | *         | 1 | 0600 | 73 | 1128.                | * | 1 | 1010 | 123       | 2.  | * | 1 | 1420                 | 173 | 0. |  |           |  |  |  |

|   |      |    |      |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 18.  | * | 1 | 0605 | 74  | 1082. | * | 1 | 1015 | 124 | 2. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 19.  | * | 1 | 0610 | 75  | 1037. | * | 1 | 1020 | 125 | 2. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 19.  | * | 1 | 0615 | 76  | 990.  | * | 1 | 1025 | 126 | 1. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 19.  | * | 1 | 0620 | 77  | 941.  | * | 1 | 1030 | 127 | 1. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 20.  | * | 1 | 0625 | 78  | 887.  | * | 1 | 1035 | 128 | 1. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 20.  | * | 1 | 0630 | 79  | 829.  | * | 1 | 1040 | 129 | 1. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 20.  | * | 1 | 0635 | 80  | 768.  | * | 1 | 1045 | 130 | 1. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 20.  | * | 1 | 0640 | 81  | 703.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 21.  | * | 1 | 0645 | 82  | 636.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 21.  | * | 1 | 0650 | 83  | 571.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 21.  | * | 1 | 0655 | 84  | 508.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 22.  | * | 1 | 0700 | 85  | 448.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 22.  | * | 1 | 0705 | 86  | 392.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 22.  | * | 1 | 0710 | 87  | 342.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 23.  | * | 1 | 0715 | 88  | 297.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 24.  | * | 1 | 0720 | 89  | 257.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 27.  | * | 1 | 0725 | 90  | 222.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 32.  | * | 1 | 0730 | 91  | 191.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 51.  | * | 1 | 0735 | 92  | 165.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 101. | * | 1 | 0740 | 93  | 142.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 178. | * | 1 | 0745 | 94  | 122.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 282. | * | 1 | 0750 | 95  | 105.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 415. | * | 1 | 0755 | 96  | 91.   | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 564. | * | 1 | 0800 | 97  | 78.   | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 709. | * | 1 | 0805 | 98  | 67.   | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 840. | * | 1 | 0810 | 99  | 57.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 955. | * | 1 | 0815 | 100 | 49.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *    |   |   | *    |     | *     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------------------|-------|-------|----------|
|           |       | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)  |                      |       |       |          |
|           | (CFS) |                      |       |       |          |
| + 1768.   | 4.83  | 698.                 | 255.  | 255.  | 255.     |

CUMULATIVE AREA = 82.15 SQ MI

HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .26

647

[illegible]



|   |      |    |      |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0125 | 18 | 10.  | * | 1 | 0535 | 68  | 646. | * | 1 | 0945 | 118 | 2. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 11.  | * | 1 | 0540 | 69  | 619. | * | 1 | 0950 | 119 | 2. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 12.  | * | 1 | 0545 | 70  | 593. | * | 1 | 0955 | 120 | 2. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 13.  | * | 1 | 0550 | 71  | 568. | * | 1 | 1000 | 121 | 1. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 13.  | * | 1 | 0555 | 72  | 545. | * | 1 | 1005 | 122 | 1. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 14.  | * | 1 | 0600 | 73  | 524. | * | 1 | 1010 | 123 | 1. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 15.  | * | 1 | 0605 | 74  | 504. | * | 1 | 1015 | 124 | 1. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 15.  | * | 1 | 0610 | 75  | 485. | * | 1 | 1020 | 125 | 1. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 15.  | * | 1 | 0615 | 76  | 465. | * | 1 | 1025 | 126 | 1. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 16.  | * | 1 | 0620 | 77  | 444. | * | 1 | 1030 | 127 | 1. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 16.  | * | 1 | 0625 | 78  | 421. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 16.  | * | 1 | 0630 | 79  | 396. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 16.  | * | 1 | 0635 | 80  | 369. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 17.  | * | 1 | 0640 | 81  | 340. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 17.  | * | 1 | 0645 | 82  | 309. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 17.  | * | 1 | 0650 | 83  | 279. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 17.  | * | 1 | 0655 | 84  | 249. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 18.  | * | 1 | 0700 | 85  | 220. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 18.  | * | 1 | 0705 | 86  | 194. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 18.  | * | 1 | 0710 | 87  | 170. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 19.  | * | 1 | 0715 | 88  | 148. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 19.  | * | 1 | 0720 | 89  | 128. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 19.  | * | 1 | 0725 | 90  | 111. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 20.  | * | 1 | 0730 | 91  | 96.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 25.  | * | 1 | 0735 | 92  | 83.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 43.  | * | 1 | 0740 | 93  | 72.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 76.  | * | 1 | 0745 | 94  | 62.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 119. | * | 1 | 0750 | 95  | 53.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 176. | * | 1 | 0755 | 96  | 46.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 244. | * | 1 | 0800 | 97  | 40.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 312. | * | 1 | 0805 | 98  | 34.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 374. | * | 1 | 0810 | 99  | 29.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 427. | * | 1 | 0815 | 100 | 25.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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|   | PEAK FLOW<br>(CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|---|--------------------|--------------|----------------------|-------|-------|----------|
|   |                    |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + | 802.               | 4.83         | 322.                 | 118.  | 118.  | 118.     |
|   | (INCHES)           |              | .036                 | .037  | .037  | .037     |
|   | (AC-FT)            |              | 160.                 | 162.  | 162.  | 162.     |

CUMULATIVE AREA = 82.15 SQ MI

1

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS  
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES  
 TIME TO PEAK IN HOURS

649

| OPERATION | STATION |  | AREA | PLAN | RATIOS APPLIED TO PRECIPITATION |         |         |         |         |
|-----------|---------|--|------|------|---------------------------------|---------|---------|---------|---------|
|           |         |  |      |      | RATIO 1                         | RATIO 2 | RATIO 3 | RATIO 4 | RATIO 5 |
|           |         |  | .62  | .44  | .38                             | .32     | .26     |         |         |

HYDROGRAPH AT

|   |       |      |   |      |       |       |      |      |      |
|---|-------|------|---|------|-------|-------|------|------|------|
| + | WSage | 7.86 | 1 | FLOW | 2322. | 1226. | 889. | 553. | 272. |
|   |       | TIME |   |      | 3.92  | 4.00  | 4.00 | 4.00 | 4.00 |

ROUTED TO

|   |        |      |   |      |       |      |      |      |      |
|---|--------|------|---|------|-------|------|------|------|------|
| + | RWsage | 7.86 | 1 | FLOW | 1932. | 994. | 712. | 439. | 216. |
|   |        | TIME |   |      | 5.00  | 5.00 | 5.00 | 5.08 | 5.08 |

HYDROGRAPH AT

|   |      |       |   |      |       |      |      |      |      |
|---|------|-------|---|------|-------|------|------|------|------|
| + | RFan | 12.56 | 1 | FLOW | 1894. | 886. | 586. | 322. | 138. |
|   |      | TIME  |   |      | 4.58  | 4.58 | 4.58 | 4.58 | 4.67 |

HYDROGRAPH AT

|   |       |       |   |      |       |       |       |      |      |
|---|-------|-------|---|------|-------|-------|-------|------|------|
| + | NWest | 12.27 | 1 | FLOW | 3258. | 1668. | 1185. | 721. | 347. |
|   |       | TIME  |   |      | 4.00  | 4.00  | 4.08  | 4.08 | 4.08 |

## 3 COMBINED AT

|   |       |       |   |      |       |       |       |      |      |
|---|-------|-------|---|------|-------|-------|-------|------|------|
| + | CRfan | 32.69 | 1 | FLOW | 4867. | 2371. | 1632. | 956. | 449. |
|   |       | TIME  |   | 4.25 | 4.17  | 4.17  | 4.17  | 4.17 |      |

## ROUTED TO

|   |        |       |   |      |       |       |       |      |      |
|---|--------|-------|---|------|-------|-------|-------|------|------|
| + | RCRfan | 32.69 | 1 | FLOW | 4688. | 2246. | 1535. | 896. | 416. |
|   |        | TIME  |   | 5.42 | 5.33  | 5.33  | 5.33  | 5.33 |      |

## HYDROGRAPH AT

|   |       |      |   |      |       |       |       |      |      |
|---|-------|------|---|------|-------|-------|-------|------|------|
| + | WCent | 9.40 | 1 | FLOW | 3249. | 1725. | 1234. | 747. | 360. |
|   |       | TIME |   | 3.83 | 3.83  | 3.83  | 3.83  | 3.92 |      |

## ROUTED TO

|   |         |      |   |      |       |       |       |      |      |
|---|---------|------|---|------|-------|-------|-------|------|------|
| + | RCWCent | 9.40 | 1 | FLOW | 2817. | 1456. | 1036. | 630. | 302. |
|   |         | TIME |   | 4.25 | 4.33  | 4.33  | 4.33  | 4.33 |      |

## HYDROGRAPH AT

|   |        |       |   |      |       |      |      |      |      |
|---|--------|-------|---|------|-------|------|------|------|------|
| + | Fplain | 10.61 | 1 | FLOW | 1970. | 929. | 611. | 336. | 141. |
|   |        | TIME  |   | 4.25 | 4.25  | 4.33 | 4.33 | 4.33 |      |

## 3 COMBINED AT

|   |         |       |   |      |       |       |       |       |      |
|---|---------|-------|---|------|-------|-------|-------|-------|------|
| + | CFplain | 52.71 | 1 | FLOW | 6346. | 2898. | 1985. | 1149. | 527. |
|   |         | TIME  |   | 5.42 | 4.58  | 4.50  | 4.50  | 4.83  |      |

## ROUTED TO

|   |          |       |   |      |       |       |       |       |      |
|---|----------|-------|---|------|-------|-------|-------|-------|------|
| + | RCFplain | 52.71 | 1 | FLOW | 6286. | 2883. | 1965. | 1139. | 524. |
|   |          | TIME  |   | 5.83 | 5.17  | 5.17  | 5.17  | 5.25  |      |

## HYDROGRAPH AT

|   |      |      |   |      |       |      |      |      |      |
|---|------|------|---|------|-------|------|------|------|------|
| + | SCen | 7.56 | 1 | FLOW | 1947. | 963. | 650. | 367. | 164. |
|   |      | TIME |   | 4.00 | 4.00  | 4.00 | 4.08 | 4.08 |      |

## HYDROGRAPH AT

|   |      |       |   |      |       |       |      |      |      |
|---|------|-------|---|------|-------|-------|------|------|------|
| + | HVal | 11.14 | 1 | FLOW | 2156. | 1012. | 663. | 361. | 146. |
|   |      | TIME  |   | 4.25 | 4.25  | 4.25  | 4.25 | 4.25 |      |

## ROUTED TO

|   |       |       |   |      |       |      |      |      |      |
|---|-------|-------|---|------|-------|------|------|------|------|
| + | RHval | 11.14 | 1 | FLOW | 1978. | 921. | 601. | 328. | 133. |
|   |       | TIME  |   |      | 5.00  | 5.00 | 5.00 | 5.08 | 5.08 |

## HYDROGRAPH AT

|   |      |       |   |      |       |       |      |      |      |
|---|------|-------|---|------|-------|-------|------|------|------|
| + | SOct | 10.75 | 1 | FLOW | 2257. | 1137. | 807. | 490. | 234. |
|   |      | TIME  |   |      | 4.25  | 4.25  | 4.25 | 4.33 | 4.33 |

## 4 COMBINED AT

|   |      |       |   |      |       |       |       |       |      |
|---|------|-------|---|------|-------|-------|-------|-------|------|
| + | COut | 82.15 | 1 | FLOW | 9807. | 4583. | 3085. | 1768. | 802. |
|   |      | TIME  |   |      | 5.00  | 4.92  | 4.83  | 4.83  | 4.83 |

## HYDROGRAPH AT

|   |       |      |   |      |       |      |      |      |      |
|---|-------|------|---|------|-------|------|------|------|------|
| + | SEast | 3.71 | 1 | FLOW | 1264. | 662. | 465. | 275. | 129. |
|   |       | TIME |   |      | 3.83  | 3.83 | 3.83 | 3.83 | 3.92 |

## HYDROGRAPH AT

|   |       |      |   |      |      |      |      |      |      |
|---|-------|------|---|------|------|------|------|------|------|
| + | SWest | 2.16 | 1 | FLOW | 969. | 507. | 349. | 200. | 76.  |
|   |       | TIME |   |      | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 |

## 3 COMBINED AT

|   |        |       |   |      |        |       |       |       |      |
|---|--------|-------|---|------|--------|-------|-------|-------|------|
| + | CTotal | 88.02 | 1 | FLOW | 10346. | 4705. | 3128. | 1790. | 814. |
|   |        | TIME  |   |      | 5.00   | 4.92  | 4.83  | 4.83  | 4.83 |

\*\*\* NORMAL END OF HEC-1 \*\*\*

NOTE: Flowrates calculated in cfs

```
1*****
*                                     *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998                        *
*   VERSION 4.1                     *
*                                     *
* RUN DATE 13AUG10 TIME 14:26:05 *
*                                     *
*****

*****
*                                     *
* U.S. ARMY CORPS OF ENGINEERS    *
* HYDROLOGIC ENGINEERING CENTER   *
* 609 SECOND STREET                *
* DAVIS, CALIFORNIA 95616         *
* (916) 756-1104                  *
*                                     *
*****
```

```

X  X XXXXXXXX XXXXX      X
X  X X      X  X      XX
X  X X      X      X
XXXXXXX XXXX  X  XXXXX X
X  X X      X      X
X  X X      X  X      X
X  X XXXXXXXX XXXXX      XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.

THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION  
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,  
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION  
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

\*DIAGRAM

\*\*\* FREE \*\*\*

```

1 ID *****
2 ID * .....*
3 ID * : : *
4 ID * : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
5 ID * : OF ANTECEDENT MOISTURE CONTENT ON : *
6 ID * : MODEL-GENERATED RUNOFF : *
7 ID * : FROM AN ARID WATERSHED : *
8 ID * : : *
9 ID * : .....*
10 ID * : RETURN PERIOD__ _100-YEAR : *
11 ID * : DISTRIBUTION__ _6-HOUR SDN 5 : *
12 ID * : FILENAME_____5_day_Keff4.h1 : *
13 ID * : DATE_____08/9/10 : *
14 ID * : MODELED BY_____WJM : *
15 ID * : .....*
16 ID *****
17 ID * : : *
18 ID * : 1. Total watershed area is 88 sq. mi. : *
19 ID * : 2. DARF is 0.62 for area : *
20 ID * : 3. 500 Year Precip. Value is 3.02 in. : *
21 ID * : 4. 500 Year DARF value 0.62 : *
22 ID * : 5. 100 Year DARF value 0.44 : *
23 ID * : 6. 50 Year DARF value 0.38 : *
24 ID * : 7. 25 Year DARF value 0.32 : *
25 ID * : 8. 10 Year DARF Value 0.26 : *
26 ID * : 9. USBR lag time : *
27 ID * : .....*
28 ID *****
29 ID
30 IT 5 0000 000 200
31 IO 5
32 IN 5 0 0

```

|    |    |                |         |       |       |       |       |       |       |       |       |  |
|----|----|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 33 | JR | PREC           | 0.62    | 0.44  | 0.38  | 0.32  | 0.26  |       |       |       |       |  |
| 34 | KK | WSage          |         |       |       |       |       |       |       |       |       |  |
| 35 | KM | White Sage Gap |         |       |       |       |       |       |       |       |       |  |
| 36 | BA | 7.859          |         |       |       |       |       |       |       |       |       |  |
| 37 | PB | 3.02           |         |       |       |       |       |       |       |       |       |  |
| 38 | PC | 0.000          | 0.020   | 0.059 | 0.080 | 0.110 | 0.144 | 0.150 | 0.160 | 0.168 | 0.171 |  |
| 39 | PC | 0.180          | 0.182   | 0.187 | 0.190 | 0.197 | 0.202 | 0.210 | 0.220 | 0.230 | 0.241 |  |
| 40 | PC | 0.250          | 0.259   | 0.265 | 0.280 | 0.290 | 0.300 | 0.305 | 0.309 | 0.310 | 0.317 |  |
| 41 | PC | 0.321          | 0.327   | 0.333 | 0.346 | 0.361 | 0.381 | 0.408 | 0.430 | 0.477 | 0.514 |  |
| 42 | PC | 0.561          | 0.630   | 0.710 | 0.720 | 0.731 | 0.752 | 0.779 | 0.790 | 0.795 | 0.804 |  |
| 43 | PC | 0.810          | 0.820   | 0.826 | 0.840 | 0.859 | 0.889 | 0.910 | 0.938 | 0.966 | 0.970 |  |
| 44 | PC | 0.974          | 0.979   | 0.981 | 0.983 | 0.985 | 0.989 | 0.990 | 0.992 | 0.993 | 0.996 |  |
| 45 | PC | 0.997          | 0.999   | 1.000 |       |       |       |       |       |       |       |  |
| 46 | KM | Ia             | Deficit | Cap   | Ks    | IMP   |       |       |       |       |       |  |
| 47 | LG | 0.046          | 0.527   | 7.082 | 0.230 | 0.855 |       |       |       |       |       |  |
| 48 | UD | 0.60           |         |       |       |       |       |       |       |       |       |  |

\*

# HEC-1 INPUT

PAGE 2

|      |                                                                 |
|------|-----------------------------------------------------------------|
| LINE | ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10 |
|------|-----------------------------------------------------------------|

|    |    |                          |      |      |  |
|----|----|--------------------------|------|------|--|
| 49 | KK | RWsage                   |      |      |  |
| 50 | KM | Route WSage through RFan |      |      |  |
| 51 | KM | N                        | K    | X    |  |
| 52 | RM | 12                       | 1.03 | 0.15 |  |

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|    |    |                  |         |       |             |
|----|----|------------------|---------|-------|-------------|
| 53 | KK | RFan             |         |       |             |
| 54 | KM | Red Alluvial Fan |         |       |             |
| 55 | BA | 12.565           |         |       |             |
| 56 | PB | 3.02             |         |       |             |
| 57 | KM | Ia               | Deficit | Cap   | Ks IMP      |
| 58 | LG | 0.038            | 0.521   | 7.807 | 0.264 0.277 |
| 59 | UD | 1.19             |         |       |             |

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60    KK  NWest
61    KM  North west mountains
62    BA  12.269
63    PB  3.02
64    KM  Ia Deficit Cap Ks IMP
65    LG  0.036 0.515 6.923 0.239 0.552
66    UD  0.67
    *

67    KK  CRfan
68    KM  Redfan concentration point
69    KO  2
70    HC  3
    *

71    KK  RCRfan
72    KM  Route Redfan concentration point
73    KM  N    K    X
74    RM  11   0.94 0.15
    *

75    KK  WCent
76    KM  West central mountains
77    BA  9.403
78    PB  3.02
79    KM  Ia Deficit Cap Ks IMP
80    LG  0.042 0.530 7.215 0.239 0.407
81    UD  0.46
    *

82    KK  RCWCent
83    KM  Route CWCent along west side of floodplain
84    KM  N    K    X
85    RM  5    0.45 0.15
    *

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|     |    |       |         |       |       |       |
|-----|----|-------|---------|-------|-------|-------|
| 111 | KM | Ia    | Deficit | Cap   | Ks    | IMP   |
| 112 | LG | 0.049 | 0.540   | 7.901 | 0.278 | 0.630 |
| 113 | UD | 0.86  |         |       |       |       |
| 114 | KO | 2     |         |       |       |       |

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|     |    |                         |      |      |  |  |
|-----|----|-------------------------|------|------|--|--|
| 115 | KK | RHval                   |      |      |  |  |
| 116 | KM | Route High Valley basin |      |      |  |  |
| 117 | KM | N                       | K    | X    |  |  |
| 118 | RM | 9                       | 0.75 | 0.15 |  |  |

\*

|     |    |                                       |         |       |       |       |
|-----|----|---------------------------------------|---------|-------|-------|-------|
| 119 | KK | SOct                                  |         |       |       |       |
| 120 | KM | South octagon area and east mountains |         |       |       |       |
| 121 | BA | 10.746                                |         |       |       |       |
| 122 | PB | 3.02                                  |         |       |       |       |
| 123 | KM | Ia                                    | Deficit | Cap   | Ks    | IMP   |
| 124 | LG | 0.039                                 | 0.517   | 6.882 | 0.234 | 0.246 |
| 125 | UD | 0.92                                  |         |       |       |       |

\*

1

HEC-1 INPUT

PAGE 4

|      |                                                                 |
|------|-----------------------------------------------------------------|
| LINE | ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10 |
|------|-----------------------------------------------------------------|

|     |    |      |  |  |  |  |
|-----|----|------|--|--|--|--|
| 126 | KK | COut |  |  |  |  |
| 127 | KO | 2    |  |  |  |  |
| 128 | HC | 4    |  |  |  |  |

\*

|     |    |                          |         |       |       |       |
|-----|----|--------------------------|---------|-------|-------|-------|
| 129 | KK | SEast                    |         |       |       |       |
| 130 | KM | Southeast adjacent basin |         |       |       |       |
| 131 | BA | 3.707                    |         |       |       |       |
| 132 | PB | 3.02                     |         |       |       |       |
| 133 | KM | Ia                       | Deficit | Cap   | Ks    | IMP   |
| 134 | LG | 0.044                    | 0.531   | 7.591 | 0.248 | 0.653 |
| 135 | UD | 0.45                     |         |       |       |       |

657

```

*
136    KK  SWest
137    KM  South west adjacent basin
138    BA  2.156
139    PB  3.02
140    KM   Ia  Deficit  Cap   Ks  IMP
141    LG  0.039  0.553  7.215  0.274  0.680
142    UD  0.25
*
143    KK  CTotal
144    KM  KO  2
145    HC  3
*
146    ZZ

```

1

# SCHEMATIC DIAGRAM OF STREAM NETWORK

658

```

INPUT
LINE  (V) ROUTING      (--->) DIVERSION OR PUMP FLOW

NO.   (.) CONNECTOR    (<---) RETURN OF DIVERTED OR PUMPED FLOW

34    WSage
      V
      V
49    RWSage
      .
      .
53    .    RFan
      .    .
      .    .
60    .    .    NWest
      .    .    .
      .    .    .
67    CRfan.....
      V

```

|     |              |         |        |      |
|-----|--------------|---------|--------|------|
|     |              | V       |        |      |
| 71  | RCRfan       |         |        |      |
|     | .            |         |        |      |
|     | .            |         |        |      |
| 75  | .            | WCent   |        |      |
|     | .            | V       |        |      |
|     | .            | V       |        |      |
| 82  | .            | RCWCent |        |      |
|     | .            | .       |        |      |
|     | .            | .       |        |      |
| 86  | .            | .       | Fplain |      |
|     | .            | .       | .      |      |
|     | .            | .       | .      |      |
| 93  | CFplain..... |         |        |      |
|     | V            |         |        |      |
|     | V            |         |        |      |
| 96  | RCFplain     |         |        |      |
|     | .            |         |        |      |
|     | .            |         |        |      |
| 100 | .            | SCen    |        |      |
|     | .            | .       |        |      |
|     | .            | .       |        |      |
| 107 | .            | .       | HVal   |      |
|     | .            | .       | V      |      |
|     | .            | .       | V      |      |
| 115 | .            | .       | RHval  |      |
|     | .            | .       | .      |      |
|     | .            | .       | .      |      |
| 119 | .            | .       | .      | SOct |
|     | .            | .       | .      | .    |
|     | .            | .       | .      | .    |
| 126 | COut.....    |         |        |      |
|     | .            |         |        |      |
|     | .            |         |        |      |
| 129 | .            | SEast   |        |      |
|     | .            | .       |        |      |
|     | .            | .       |        |      |

136 . . SWest

. . .  
. . .

143 CTotat.....

(\*\*\*) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****
*                                     *
*                                     *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998                        *
*   VERSION 4.1                     *
*                                     *
* RUN DATE 13AUG10 TIME 14:26:05 *
*                                     *
*****
*                                     *
*                                     *
*                                     *
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
* 609 SECOND STREET             *
* DAVIS, CALIFORNIA 95616      *
* (916) 756-1104               *
*                                     *
*****
```

069

```
*****
* .....*
* : :*
* : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY :*
* : OF ANTECEDENT MOISTURE CONTENT ON :*
* : MODEL-GENERATED RUNOFF :*
* : FROM AN ARID WATERSHED :*
* : :*
* : :*
* .....*
* : RETURN PERIOD__ _100-YEAR :*
* : DISTRIBUTION___ _6-HOUR SDN 5 :*
* : FILENAME___ _5_day_Keff4.h1 :*
* : DATE_____ _08/9/10 :*
* : MODELED BY___ _WJM :*
* : :*
* .....*
*****
* : :*
```

```

* : 1. Total watershed area is 88 sq. mi.      : *
* : 2. DARF is 0.62 for area                  : *
* : 3. 500 Year Precip. Value is 3.02 in.     : *
* : 4. 500 Year DARF value 0.62               : *
* : 5. 100 Year DARF value 0.44               : *
* : 6. 50 Year DARF value 0.38                : *
* : 7. 25 Year DARF value 0.32                : *
* : 8. 10 Year DARF Value 0.26                : *
* : 9. USBR lag time                          : *
* .....: *
*****

```

```

31 IO  OUTPUT CONTROL VARIABLES
      IPRNT    5 PRINT CONTROL
      IPLOT    0 PLOT CONTROL
      QSCAL    0. HYDROGRAPH PLOT SCALE

```

1991

```

IT  HYDROGRAPH TIME DATA
    NMIN      5 MINUTES IN COMPUTATION INTERVAL
    IDATE     1 00 0 STARTING DATE
    ITIME     0000 STARTING TIME
    NQ        200 NUMBER OF HYDROGRAPH ORDINATES
    NDDATE    1  0 ENDING DATE
    NDTIME    1635 ENDING TIME
    ICENT     19 CENTURY MARK

```

```

COMPUTATION INTERVAL  .08 HOURS
TOTAL TIME BASE  16.58 HOURS

```

#### ENGLISH UNITS

```

DRAINAGE AREA      SQUARE MILES
PRECIPITATION DEPTH  INCHES
LENGTH, ELEVATION  FEET
FLOW                CUBIC FEET PER SECOND
STORAGE VOLUME     ACRE-FEET
SURFACE AREA       ACRES

```

TEMPERATURE        DEGREES FAHRENHEIT

JP        MULTI-PLAN OPTION  
          NPLAN        1    NUMBER OF PLANS

JR        MULTI-RATIO OPTION  
          RATIOS OF PRECIPITATION  
          .62    .44    .38    .32    .26

\*\*\* \*\*

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\*        \*

67 KK    \*    CRfan   \*

\*        \*

\*\*\*\*\*

69 KO        OUTPUT CONTROL VARIABLES  
          IPRNT        2    PRINT CONTROL  
          IPLOT        0    PLOT CONTROL  
          QSCAL        0.    HYDROGRAPH PLOT SCALE

70 HC        HYDROGRAPH COMBINATION  
          ICOMP        3    NUMBER OF HYDROGRAPHS TO COMBINE

\*\*\*

\*\*\*\*\*

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HYDROGRAPH AT STATION    CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1,    RATIO =    .62





664

|   |      |    |       |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0230 | 31 | 22.   | * | 1 | 0640 | 81  | 75. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 21.   | * | 1 | 0645 | 82  | 65. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 21.   | * | 1 | 0650 | 83  | 56. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 20.   | * | 1 | 0655 | 84  | 48. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 20.   | * | 1 | 0700 | 85  | 41. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 19.   | * | 1 | 0705 | 86  | 36. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 20.   | * | 1 | 0710 | 87  | 31. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 20.   | * | 1 | 0715 | 88  | 27. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 21.   | * | 1 | 0720 | 89  | 24. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 22.   | * | 1 | 0725 | 90  | 21. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 24.   | * | 1 | 0730 | 91  | 18. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 44.   | * | 1 | 0735 | 92  | 15. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 110.  | * | 1 | 0740 | 93  | 14. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 220.  | * | 1 | 0745 | 94  | 12. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 369.  | * | 1 | 0750 | 95  | 10. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 564.  | * | 1 | 0755 | 96  | 9.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 782.  | * | 1 | 0800 | 97  | 8.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 966.  | * | 1 | 0805 | 98  | 7.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 1095. | * | 1 | 0810 | 99  | 6.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1173. | * | 1 | 0815 | 100 | 5.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW<br>+ (CFS) | TIME     | MAXIMUM AVERAGE FLOW |       |          |      |
|----------------------|----------|----------------------|-------|----------|------|
|                      | 6-HR     | 24-HR                | 72-HR | 16.58-HR |      |
|                      | (HR)     |                      |       |          |      |
| + 1209.              | (CFS)    |                      |       |          |      |
|                      |          | 366.                 | 134.  | 134.     | 134. |
|                      | (INCHES) | .104                 | .105  | .105     | .105 |
|                      | (AC-FT)  | 181.                 | 184.  | 184.     | 184. |

CUMULATIVE AREA = 32.69 SQ MI



|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 18. | * | 1 | 0605 | 74  | 23. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 18. | * | 1 | 0610 | 75  | 22. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 18. | * | 1 | 0615 | 76  | 20. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 17. | * | 1 | 0620 | 77  | 19. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 17. | * | 1 | 0625 | 78  | 17. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 17. | * | 1 | 0630 | 79  | 15. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 16. | * | 1 | 0635 | 80  | 14. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 16. | * | 1 | 0640 | 81  | 12. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 15. | * | 1 | 0645 | 82  | 11. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 15. | * | 1 | 0650 | 83  | 9.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 14. | * | 1 | 0655 | 84  | 8.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 14. | * | 1 | 0700 | 85  | 7.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 14. | * | 1 | 0705 | 86  | 6.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 14. | * | 1 | 0710 | 87  | 5.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 14. | * | 1 | 0715 | 88  | 5.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 15. | * | 1 | 0720 | 89  | 4.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 16. | * | 1 | 0725 | 90  | 4.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 17. | * | 1 | 0730 | 91  | 3.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 19. | * | 1 | 0735 | 92  | 3.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 22. | * | 1 | 0740 | 93  | 2.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 27. | * | 1 | 0745 | 94  | 2.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 33. | * | 1 | 0750 | 95  | 2.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 40. | * | 1 | 0755 | 96  | 1.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 49. | * | 1 | 0800 | 97  | 1.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 56. | * | 1 | 0805 | 98  | 1.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 60. | * | 1 | 0810 | 99  | 1.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 63. | * | 1 | 0815 | 100 | 1.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     | *   |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + 64.                | 4.17         | 29.                  | 11.   | 11.   | 11.      |

(INCHES) .008 .009 .009 .009  
 (AC-FT) 15. 15. 15. 15.

CUMULATIVE AREA = 32.69 SQ MI

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HYDROGRAPH AT STATION CRfan  
 SUM OF 3 HYDROGRAPHS  
 PLAN 1, RATIO = .38

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667

|   | *    |     |      |     |      | *    |     |      |     |      | *    |     |      |     |      | *    |     |      |     |      |
|---|------|-----|------|-----|------|------|-----|------|-----|------|------|-----|------|-----|------|------|-----|------|-----|------|
|   | DA   | MON | HRMN | ORD | FLOW | DA   | MON | HRMN | ORD | FLOW | DA   | MON | HRMN | ORD | FLOW | DA   | MON | HRMN | ORD | FLOW |
|   |      |     |      | *   |      |      |     |      | *   |      |      |     |      | *   |      |      |     |      | *   |      |
| 1 | 0000 | 1   | 0.   | *   | 1    | 0410 | 51  | 31.  | *   | 1    | 0820 | 101 | 1.   | *   | 1    | 1230 | 151 | 0.   |     |      |
| 1 | 0005 | 2   | 0.   | *   | 1    | 0415 | 52  | 32.  | *   | 1    | 0825 | 102 | 0.   | *   | 1    | 1235 | 152 | 0.   |     |      |
| 1 | 0010 | 3   | 0.   | *   | 1    | 0420 | 53  | 32.  | *   | 1    | 0830 | 103 | 0.   | *   | 1    | 1240 | 153 | 0.   |     |      |
| 1 | 0015 | 4   | 1.   | *   | 1    | 0425 | 54  | 32.  | *   | 1    | 0835 | 104 | 0.   | *   | 1    | 1245 | 154 | 0.   |     |      |
| 1 | 0020 | 5   | 1.   | *   | 1    | 0430 | 55  | 32.  | *   | 1    | 0840 | 105 | 0.   | *   | 1    | 1250 | 155 | 0.   |     |      |
| 1 | 0025 | 6   | 2.   | *   | 1    | 0435 | 56  | 32.  | *   | 1    | 0845 | 106 | 0.   | *   | 1    | 1255 | 156 | 0.   |     |      |
| 1 | 0030 | 7   | 4.   | *   | 1    | 0440 | 57  | 33.  | *   | 1    | 0850 | 107 | 0.   | *   | 1    | 1300 | 157 | 0.   |     |      |
| 1 | 0035 | 8   | 5.   | *   | 1    | 0445 | 58  | 34.  | *   | 1    | 0855 | 108 | 0.   | *   | 1    | 1305 | 158 | 0.   |     |      |
| 1 | 0040 | 9   | 7.   | *   | 1    | 0450 | 59  | 34.  | *   | 1    | 0900 | 109 | 0.   | *   | 1    | 1310 | 159 | 0.   |     |      |
| 1 | 0045 | 10  | 8.   | *   | 1    | 0455 | 60  | 35.  | *   | 1    | 0905 | 110 | 0.   | *   | 1    | 1315 | 160 | 0.   |     |      |
| 1 | 0050 | 11  | 9.   | *   | 1    | 0500 | 61  | 35.  | *   | 1    | 0910 | 111 | 0.   | *   | 1    | 1320 | 161 | 0.   |     |      |
| 1 | 0055 | 12  | 10.  | *   | 1    | 0505 | 62  | 35.  | *   | 1    | 0915 | 112 | 0.   | *   | 1    | 1325 | 162 | 0.   |     |      |
| 1 | 0100 | 13  | 10.  | *   | 1    | 0510 | 63  | 34.  | *   | 1    | 0920 | 113 | 0.   | *   | 1    | 1330 | 163 | 0.   |     |      |
| 1 | 0105 | 14  | 11.  | *   | 1    | 0515 | 64  | 33.  | *   | 1    | 0925 | 114 | 0.   | *   | 1    | 1335 | 164 | 0.   |     |      |
| 1 | 0110 | 15  | 11.  | *   | 1    | 0520 | 65  | 31.  | *   | 1    | 0930 | 115 | 0.   | *   | 1    | 1340 | 165 | 0.   |     |      |
| 1 | 0115 | 16  | 11.  | *   | 1    | 0525 | 66  | 30.  | *   | 1    | 0935 | 116 | 0.   | *   | 1    | 1345 | 166 | 0.   |     |      |
| 1 | 0120 | 17  | 11.  | *   | 1    | 0530 | 67  | 28.  | *   | 1    | 0940 | 117 | 0.   | *   | 1    | 1350 | 167 | 0.   |     |      |

|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0125 | 18 | 12. | * | 1 | 0535 | 68  | 26. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 12. | * | 1 | 0540 | 69  | 24. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 13. | * | 1 | 0545 | 70  | 22. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 14. | * | 1 | 0550 | 71  | 21. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 14. | * | 1 | 0555 | 72  | 20. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 15. | * | 1 | 0600 | 73  | 19. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 15. | * | 1 | 0605 | 74  | 18. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 15. | * | 1 | 0610 | 75  | 17. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 15. | * | 1 | 0615 | 76  | 16. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 15. | * | 1 | 0620 | 77  | 15. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 15. | * | 1 | 0625 | 78  | 14. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 14. | * | 1 | 0630 | 79  | 12. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 14. | * | 1 | 0635 | 80  | 11. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 13. | * | 1 | 0640 | 81  | 10. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 13. | * | 1 | 0645 | 82  | 9.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 13. | * | 1 | 0650 | 83  | 8.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 12. | * | 1 | 0655 | 84  | 7.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 12. | * | 1 | 0700 | 85  | 6.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 12. | * | 1 | 0705 | 86  | 5.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 12. | * | 1 | 0710 | 87  | 5.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 12. | * | 1 | 0715 | 88  | 4.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 13. | * | 1 | 0720 | 89  | 3.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 14. | * | 1 | 0725 | 90  | 3.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 15. | * | 1 | 0730 | 91  | 3.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 16. | * | 1 | 0735 | 92  | 2.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 18. | * | 1 | 0740 | 93  | 2.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 20. | * | 1 | 0745 | 94  | 2.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 23. | * | 1 | 0750 | 95  | 1.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 25. | * | 1 | 0755 | 96  | 1.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 27. | * | 1 | 0800 | 97  | 1.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 29. | * | 1 | 0805 | 98  | 1.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 30. | * | 1 | 0810 | 99  | 1.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 31. | * | 1 | 0815 | 100 | 1.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 35.     | 5.00     | 20.                  | 8.    | 8.    | 8.       |
|           | (INCHES) | .006                 | .006  | .006  | .006     |
|           | (AC-FT)  | 10.                  | 10.   | 10.   | 10.      |

CUMULATIVE AREA = 32.69 SQ MI

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .32

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| *  |      |      |     | *    |      |    |     | *    |      |      |    | *   |      |      |     | *    |   |  |  |
|----|------|------|-----|------|------|----|-----|------|------|------|----|-----|------|------|-----|------|---|--|--|
| DA | MON  | HRMN | ORD | FLOW | *    | DA | MON | HRMN | ORD  | FLOW | *  | DA  | MON  | HRMN | ORD | FLOW | * |  |  |
|    |      |      | *   |      |      |    |     |      | *    |      |    |     |      |      | *   |      |   |  |  |
| 1  | 0000 | 1    | 0.  | * 1  | 0410 | 51 | 26. | * 1  | 0820 | 101  | 0. | * 1 | 1230 | 151  | 0.  |      |   |  |  |
| 1  | 0005 | 2    | 0.  | * 1  | 0415 | 52 | 27. | * 1  | 0825 | 102  | 0. | * 1 | 1235 | 152  | 0.  |      |   |  |  |
| 1  | 0010 | 3    | 0.  | * 1  | 0420 | 53 | 27. | * 1  | 0830 | 103  | 0. | * 1 | 1240 | 153  | 0.  |      |   |  |  |
| 1  | 0015 | 4    | 1.  | * 1  | 0425 | 54 | 27. | * 1  | 0835 | 104  | 0. | * 1 | 1245 | 154  | 0.  |      |   |  |  |
| 1  | 0020 | 5    | 1.  | * 1  | 0430 | 55 | 27. | * 1  | 0840 | 105  | 0. | * 1 | 1250 | 155  | 0.  |      |   |  |  |
| 1  | 0025 | 6    | 2.  | * 1  | 0435 | 56 | 27. | * 1  | 0845 | 106  | 0. | * 1 | 1255 | 156  | 0.  |      |   |  |  |
| 1  | 0030 | 7    | 3.  | * 1  | 0440 | 57 | 28. | * 1  | 0850 | 107  | 0. | * 1 | 1300 | 157  | 0.  |      |   |  |  |
| 1  | 0035 | 8    | 4.  | * 1  | 0445 | 58 | 28. | * 1  | 0855 | 108  | 0. | * 1 | 1305 | 158  | 0.  |      |   |  |  |
| 1  | 0040 | 9    | 6.  | * 1  | 0450 | 59 | 29. | * 1  | 0900 | 109  | 0. | * 1 | 1310 | 159  | 0.  |      |   |  |  |
| 1  | 0045 | 10   | 7.  | * 1  | 0455 | 60 | 29. | * 1  | 0905 | 110  | 0. | * 1 | 1315 | 160  | 0.  |      |   |  |  |
| 1  | 0050 | 11   | 8.  | * 1  | 0500 | 61 | 29. | * 1  | 0910 | 111  | 0. | * 1 | 1320 | 161  | 0.  |      |   |  |  |

|   |      |    |     |   |   |      |    |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0055 | 12 | 8.  | * | 1 | 0505 | 62 | 29. | * | 1 | 0915 | 112 | 0. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 9.  | * | 1 | 0510 | 63 | 29. | * | 1 | 0920 | 113 | 0. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 9.  | * | 1 | 0515 | 64 | 28. | * | 1 | 0925 | 114 | 0. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 9.  | * | 1 | 0520 | 65 | 26. | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 9.  | * | 1 | 0525 | 66 | 25. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 10. | * | 1 | 0530 | 67 | 23. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 10. | * | 1 | 0535 | 68 | 22. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 10. | * | 1 | 0540 | 69 | 20. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 11. | * | 1 | 0545 | 70 | 19. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 12. | * | 1 | 0550 | 71 | 18. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 12. | * | 1 | 0555 | 72 | 17. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 12. | * | 1 | 0600 | 73 | 16. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 13. | * | 1 | 0605 | 74 | 15. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 13. | * | 1 | 0610 | 75 | 14. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 13. | * | 1 | 0615 | 76 | 13. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 13. | * | 1 | 0620 | 77 | 13. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 12. | * | 1 | 0625 | 78 | 12. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 12. | * | 1 | 0630 | 79 | 11. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 12. | * | 1 | 0635 | 80 | 9.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 11. | * | 1 | 0640 | 81 | 8.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 11. | * | 1 | 0645 | 82 | 7.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 11. | * | 1 | 0650 | 83 | 7.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 10. | * | 1 | 0655 | 84 | 6.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 10. | * | 1 | 0700 | 85 | 5.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 10. | * | 1 | 0705 | 86 | 4.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 10. | * | 1 | 0710 | 87 | 4.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 10. | * | 1 | 0715 | 88 | 3.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 11. | * | 1 | 0720 | 89 | 3.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 12. | * | 1 | 0725 | 90 | 3.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 13. | * | 1 | 0730 | 91 | 2.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 14. | * | 1 | 0735 | 92 | 2.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 15. | * | 1 | 0740 | 93 | 2.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 17. | * | 1 | 0745 | 94 | 1.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 19. | * | 1 | 0750 | 95 | 1.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 21. | * | 1 | 0755 | 96 | 1.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 23. | * | 1 | 0800 | 97 | 1.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 24. | * | 1 | 0805 | 98 | 1.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |

|   |      |    |     |   |   |      |     |    |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0400 | 49 | 25. | * | 1 | 0810 | 99  | 1. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 26. | * | 1 | 0815 | 100 | 1. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     |    |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW |       | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------|----------------------|-------|-------|----------|
|           |       |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS) | (HR)     |                      |       |       |          |
|           |       | (CFS)    |                      |       |       |          |
| +         | 29.   | 5.00     | 17.                  | 6.    | 6.    | 6.       |
|           |       | (INCHES) | .005                 | .005  | .005  | .005     |
|           |       | (AC-FT)  | 8.                   | 9.    | 9.    | 9.       |

CUMULATIVE AREA = 32.69 SQ MI

671

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HYDROGRAPH AT STATION CRfan  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .26

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| *  |      |      |     | *    |   |      |     | *    |     |      |      |     |     |      |     |      |     |    |     |      |     |      |
|----|------|------|-----|------|---|------|-----|------|-----|------|------|-----|-----|------|-----|------|-----|----|-----|------|-----|------|
| DA | MON  | HRMN | ORD | FLOW | * | DA   | MON | HRMN | ORD | FLOW | *    | DA  | MON | HRMN | ORD | FLOW | *   | DA | MON | HRMN | ORD | FLOW |
|    |      |      | *   |      |   |      |     |      | *   |      |      |     |     |      | *   |      |     |    |     |      | *   |      |
| 1  | 0000 | 1    | 0.  | *    | 1 | 0410 | 51  | 21.  | *   | 1    | 0820 | 101 | 0.  | *    | 1   | 1230 | 151 | 0. |     |      |     |      |
| 1  | 0005 | 2    | 0.  | *    | 1 | 0415 | 52  | 22.  | *   | 1    | 0825 | 102 | 0.  | *    | 1   | 1235 | 152 | 0. |     |      |     |      |
| 1  | 0010 | 3    | 0.  | *    | 1 | 0420 | 53  | 22.  | *   | 1    | 0830 | 103 | 0.  | *    | 1   | 1240 | 153 | 0. |     |      |     |      |
| 1  | 0015 | 4    | 0.  | *    | 1 | 0425 | 54  | 22.  | *   | 1    | 0835 | 104 | 0.  | *    | 1   | 1245 | 154 | 0. |     |      |     |      |
| 1  | 0020 | 5    | 1.  | *    | 1 | 0430 | 55  | 22.  | *   | 1    | 0840 | 105 | 0.  | *    | 1   | 1250 | 155 | 0. |     |      |     |      |



|   |      |    |     |   |   |      |    |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0025 | 6  | 2.  | * | 1 | 0435 | 56 | 22. | * | 1 | 0845 | 106 | 0. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 3.  | * | 1 | 0440 | 57 | 23. | * | 1 | 0850 | 107 | 0. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 3.  | * | 1 | 0445 | 58 | 23. | * | 1 | 0855 | 108 | 0. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 5.  | * | 1 | 0450 | 59 | 23. | * | 1 | 0900 | 109 | 0. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 5.  | * | 1 | 0455 | 60 | 24. | * | 1 | 0905 | 110 | 0. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 6.  | * | 1 | 0500 | 61 | 24. | * | 1 | 0910 | 111 | 0. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 7.  | * | 1 | 0505 | 62 | 24. | * | 1 | 0915 | 112 | 0. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 7.  | * | 1 | 0510 | 63 | 23. | * | 1 | 0920 | 113 | 0. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 7.  | * | 1 | 0515 | 64 | 23. | * | 1 | 0925 | 114 | 0. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 7.  | * | 1 | 0520 | 65 | 21. | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 8.  | * | 1 | 0525 | 66 | 20. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 8.  | * | 1 | 0530 | 67 | 19. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 8.  | * | 1 | 0535 | 68 | 18. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 8.  | * | 1 | 0540 | 69 | 16. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 9.  | * | 1 | 0545 | 70 | 15. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 9.  | * | 1 | 0550 | 71 | 14. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 10. | * | 1 | 0555 | 72 | 13. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 10. | * | 1 | 0600 | 73 | 13. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 10. | * | 1 | 0605 | 74 | 12. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 10. | * | 1 | 0610 | 75 | 12. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 10. | * | 1 | 0615 | 76 | 11. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 10. | * | 1 | 0620 | 77 | 10. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 10. | * | 1 | 0625 | 78 | 9.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 10. | * | 1 | 0630 | 79 | 9.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 10. | * | 1 | 0635 | 80 | 8.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 9.  | * | 1 | 0640 | 81 | 7.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 9.  | * | 1 | 0645 | 82 | 6.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 9.  | * | 1 | 0650 | 83 | 5.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 8.  | * | 1 | 0655 | 84 | 5.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 8.  | * | 1 | 0700 | 85 | 4.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 8.  | * | 1 | 0705 | 86 | 4.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 8.  | * | 1 | 0710 | 87 | 3.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 8.  | * | 1 | 0715 | 88 | 3.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 9.  | * | 1 | 0720 | 89 | 2.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 9.  | * | 1 | 0725 | 90 | 2.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 10. | * | 1 | 0730 | 91 | 2.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 11. | * | 1 | 0735 | 92 | 2.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |





|   |      |    |      |   |   |      |     |       |   |   |      |     |    |   |   |      |     |    |
|---|------|----|------|---|---|------|-----|-------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0115 | 16 | 16.  | * | 1 | 0525 | 66  | 1240. | * | 1 | 0935 | 116 | 3. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 17.  | * | 1 | 0530 | 67  | 1205. | * | 1 | 0940 | 117 | 3. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 18.  | * | 1 | 0535 | 68  | 1173. | * | 1 | 0945 | 118 | 3. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 19.  | * | 1 | 0540 | 69  | 1142. | * | 1 | 0950 | 119 | 2. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 20.  | * | 1 | 0545 | 70  | 1112. | * | 1 | 0955 | 120 | 2. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 21.  | * | 1 | 0550 | 71  | 1079. | * | 1 | 1000 | 121 | 2. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 22.  | * | 1 | 0555 | 72  | 1039. | * | 1 | 1005 | 122 | 1. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 22.  | * | 1 | 0600 | 73  | 991.  | * | 1 | 1010 | 123 | 1. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 23.  | * | 1 | 0605 | 74  | 934.  | * | 1 | 1015 | 124 | 1. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 24.  | * | 1 | 0610 | 75  | 868.  | * | 1 | 1020 | 125 | 1. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 25.  | * | 1 | 0615 | 76  | 796.  | * | 1 | 1025 | 126 | 1. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 26.  | * | 1 | 0620 | 77  | 720.  | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 26.  | * | 1 | 0625 | 78  | 644.  | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 27.  | * | 1 | 0630 | 79  | 570.  | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 28.  | * | 1 | 0635 | 80  | 500.  | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 29.  | * | 1 | 0640 | 81  | 436.  | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 30.  | * | 1 | 0645 | 82  | 379.  | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 31.  | * | 1 | 0650 | 83  | 328.  | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 31.  | * | 1 | 0655 | 84  | 283.  | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 31.  | * | 1 | 0700 | 85  | 244.  | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 31.  | * | 1 | 0705 | 86  | 211.  | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 31.  | * | 1 | 0710 | 87  | 182.  | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 31.  | * | 1 | 0715 | 88  | 157.  | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 30.  | * | 1 | 0720 | 89  | 136.  | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 30.  | * | 1 | 0725 | 90  | 118.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 30.  | * | 1 | 0730 | 91  | 102.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 33.  | * | 1 | 0735 | 92  | 88.   | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 45.  | * | 1 | 0740 | 93  | 76.   | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 67.  | * | 1 | 0745 | 94  | 66.   | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 102. | * | 1 | 0750 | 95  | 57.   | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 160. | * | 1 | 0755 | 96  | 49.   | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 257. | * | 1 | 0800 | 97  | 42.   | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 402. | * | 1 | 0805 | 98  | 36.   | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 588. | * | 1 | 0810 | 99  | 31.   | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 790. | * | 1 | 0815 | 100 | 27.   | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *    |   |   |      | *   |       |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 1369.   | 4.92     | 545.                 | 200.  | 200.  | 200.     |
|           | (INCHES) | .096                 | .097  | .097  | .097     |
|           | (AC-FT)  | 270.                 | 274.  | 274.  | 274.     |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .44

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| *  |      |      |     | *    |   |      |     | *    |     |      |      | *   |     |      |     | *    |     |    |     |      |     |      |
|----|------|------|-----|------|---|------|-----|------|-----|------|------|-----|-----|------|-----|------|-----|----|-----|------|-----|------|
| DA | MON  | HRMN | ORD | FLOW | * | DA   | MON | HRMN | ORD | FLOW | *    | DA  | MON | HRMN | ORD | FLOW | *   | DA | MON | HRMN | ORD | FLOW |
|    |      |      | *   |      |   |      |     |      | *   |      |      |     |     |      | *   |      |     |    |     |      | *   |      |
| 1  | 0000 | 1    | 0.  | *    | 1 | 0410 | 51  | 39.  | *   | 1    | 0820 | 101 | 4.  | *    | 1   | 1230 | 151 | 0. |     |      |     |      |
| 1  | 0005 | 2    | 0.  | *    | 1 | 0415 | 52  | 42.  | *   | 1    | 0825 | 102 | 3.  | *    | 1   | 1235 | 152 | 0. |     |      |     |      |
| 1  | 0010 | 3    | 0.  | *    | 1 | 0420 | 53  | 44.  | *   | 1    | 0830 | 103 | 3.  | *    | 1   | 1240 | 153 | 0. |     |      |     |      |
| 1  | 0015 | 4    | 0.  | *    | 1 | 0425 | 54  | 47.  | *   | 1    | 0835 | 104 | 3.  | *    | 1   | 1245 | 154 | 0. |     |      |     |      |
| 1  | 0020 | 5    | 0.  | *    | 1 | 0430 | 55  | 50.  | *   | 1    | 0840 | 105 | 2.  | *    | 1   | 1250 | 155 | 0. |     |      |     |      |
| 1  | 0025 | 6    | 1.  | *    | 1 | 0435 | 56  | 53.  | *   | 1    | 0845 | 106 | 2.  | *    | 1   | 1255 | 156 | 0. |     |      |     |      |
| 1  | 0030 | 7    | 1.  | *    | 1 | 0440 | 57  | 57.  | *   | 1    | 0850 | 107 | 2.  | *    | 1   | 1300 | 157 | 0. |     |      |     |      |
| 1  | 0035 | 8    | 2.  | *    | 1 | 0445 | 58  | 60.  | *   | 1    | 0855 | 108 | 1.  | *    | 1   | 1305 | 158 | 0. |     |      |     |      |

|   |      |    |     |   |   |      |    |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0040 | 9  | 3.  | * | 1 | 0450 | 59 | 64. | * | 1 | 0900 | 109 | 1. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 4.  | * | 1 | 0455 | 60 | 66. | * | 1 | 0905 | 110 | 1. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 5.  | * | 1 | 0500 | 61 | 68. | * | 1 | 0910 | 111 | 1. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 7.  | * | 1 | 0505 | 62 | 70. | * | 1 | 0915 | 112 | 1. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 8.  | * | 1 | 0510 | 63 | 71. | * | 1 | 0920 | 113 | 1. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 9.  | * | 1 | 0515 | 64 | 71. | * | 1 | 0925 | 114 | 1. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 10. | * | 1 | 0520 | 65 | 71. | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 11. | * | 1 | 0525 | 66 | 70. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 12. | * | 1 | 0530 | 67 | 69. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 13. | * | 1 | 0535 | 68 | 68. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 13. | * | 1 | 0540 | 69 | 68. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 14. | * | 1 | 0545 | 70 | 66. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 15. | * | 1 | 0550 | 71 | 65. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 15. | * | 1 | 0555 | 72 | 63. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 16. | * | 1 | 0600 | 73 | 61. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 16. | * | 1 | 0605 | 74 | 59. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 17. | * | 1 | 0610 | 75 | 56. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 18. | * | 1 | 0615 | 76 | 53. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 18. | * | 1 | 0620 | 77 | 50. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 19. | * | 1 | 0625 | 78 | 46. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 19. | * | 1 | 0630 | 79 | 43. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 20. | * | 1 | 0635 | 80 | 39. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 21. | * | 1 | 0640 | 81 | 36. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 21. | * | 1 | 0645 | 82 | 33. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 22. | * | 1 | 0650 | 83 | 30. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 22. | * | 1 | 0655 | 84 | 28. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 22. | * | 1 | 0700 | 85 | 26. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 22. | * | 1 | 0705 | 86 | 24. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 22. | * | 1 | 0710 | 87 | 22. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 22. | * | 1 | 0715 | 88 | 20. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 22. | * | 1 | 0720 | 89 | 18. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 21. | * | 1 | 0725 | 90 | 16. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 21. | * | 1 | 0730 | 91 | 15. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 22. | * | 1 | 0735 | 92 | 13. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 22. | * | 1 | 0740 | 93 | 12. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 23. | * | 1 | 0745 | 94 | 10. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 24. | * | 1 | 0750 | 95 | 9.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |

|   |      |    |     |   |   |      |     |    |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0345 | 46 | 26. | * | 1 | 0755 | 96  | 8. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 28. | * | 1 | 0800 | 97  | 7. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 31. | * | 1 | 0805 | 98  | 6. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 33. | * | 1 | 0810 | 99  | 5. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 36. | * | 1 | 0815 | 100 | 5. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     |    |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 71.     | 5.25     | 37.                  | 15.   | 15.   | 15.      |
|           | (INCHES) | .007                 | .007  | .007  | .007     |
|           | (AC-FT)  | 19.                  | 20.   | 20.   | 20.      |

CUMULATIVE AREA = 52.71 SQ MI

678

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .38

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| DA | MON  | HRMN | ORD | FLOW | * | DA   | MON | HRMN | ORD | FLOW | *    | DA  | MON | HRMN | ORD | FLOW | *   | DA | MON | HRMN | ORD | FLOW |  |
|----|------|------|-----|------|---|------|-----|------|-----|------|------|-----|-----|------|-----|------|-----|----|-----|------|-----|------|--|
|    |      |      | *   |      |   |      |     |      | *   |      |      |     |     |      | *   |      |     |    |     |      | *   |      |  |
| 1  | 0000 | 1    | 0.  | *    | 1 | 0410 | 51  | 32.  | *   | 1    | 0820 | 101 | 3.  | *    | 1   | 1230 | 151 | 0. |     |      |     |      |  |
| 1  | 0005 | 2    | 0.  | *    | 1 | 0415 | 52  | 34.  | *   | 1    | 0825 | 102 | 3.  | *    | 1   | 1235 | 152 | 0. |     |      |     |      |  |

|   |      |    |     |   |   |      |    |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0010 | 3  | 0.  | * | 1 | 0420 | 53 | 35. | * | 1 | 0830 | 103 | 3. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 0.  | * | 1 | 0425 | 54 | 36. | * | 1 | 0835 | 104 | 2. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 0.  | * | 1 | 0430 | 55 | 37. | * | 1 | 0840 | 105 | 2. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 0.  | * | 1 | 0435 | 56 | 37. | * | 1 | 0845 | 106 | 2. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 1.  | * | 1 | 0440 | 57 | 38. | * | 1 | 0850 | 107 | 1. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 1.  | * | 1 | 0445 | 58 | 38. | * | 1 | 0855 | 108 | 1. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 2.  | * | 1 | 0450 | 59 | 39. | * | 1 | 0900 | 109 | 1. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 3.  | * | 1 | 0455 | 60 | 39. | * | 1 | 0905 | 110 | 1. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 4.  | * | 1 | 0500 | 61 | 39. | * | 1 | 0910 | 111 | 1. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 6.  | * | 1 | 0505 | 62 | 40. | * | 1 | 0915 | 112 | 1. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 7.  | * | 1 | 0510 | 63 | 41. | * | 1 | 0920 | 113 | 1. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 8.  | * | 1 | 0515 | 64 | 41. | * | 1 | 0925 | 114 | 0. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 9.  | * | 1 | 0520 | 65 | 42. | * | 1 | 0930 | 115 | 0. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 10. | * | 1 | 0525 | 66 | 42. | * | 1 | 0935 | 116 | 0. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 10. | * | 1 | 0530 | 67 | 42. | * | 1 | 0940 | 117 | 0. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 11. | * | 1 | 0535 | 68 | 43. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 12. | * | 1 | 0540 | 69 | 42. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 12. | * | 1 | 0545 | 70 | 42. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 13. | * | 1 | 0550 | 71 | 41. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 13. | * | 1 | 0555 | 72 | 40. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 14. | * | 1 | 0600 | 73 | 39. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 14. | * | 1 | 0605 | 74 | 38. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 15. | * | 1 | 0610 | 75 | 36. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 15. | * | 1 | 0615 | 76 | 34. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 16. | * | 1 | 0620 | 77 | 33. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 16. | * | 1 | 0625 | 78 | 31. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 17. | * | 1 | 0630 | 79 | 29. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 17. | * | 1 | 0635 | 80 | 27. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 18. | * | 1 | 0640 | 81 | 25. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 18. | * | 1 | 0645 | 82 | 24. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 19. | * | 1 | 0650 | 83 | 22. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 19. | * | 1 | 0655 | 84 | 21. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 19. | * | 1 | 0700 | 85 | 19. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 19. | * | 1 | 0705 | 86 | 18. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 19. | * | 1 | 0710 | 87 | 17. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 19. | * | 1 | 0715 | 88 | 16. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 19. | * | 1 | 0720 | 89 | 14. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |



|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0315 | 40 | 19. | * | 1 | 0725 | 90  | 13. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 19. | * | 1 | 0730 | 91  | 12. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 19. | * | 1 | 0735 | 92  | 11. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 19. | * | 1 | 0740 | 93  | 10. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 20. | * | 1 | 0745 | 94  | 9.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 21. | * | 1 | 0750 | 95  | 8.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 23. | * | 1 | 0755 | 96  | 7.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 24. | * | 1 | 0800 | 97  | 6.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 26. | * | 1 | 0805 | 98  | 5.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 28. | * | 1 | 0810 | 99  | 4.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 30. | * | 1 | 0815 | 100 | 4.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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| 689 | PEAK FLOW |     | TIME     |  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----|-----------|-----|----------|--|----------------------|-------|-------|----------|
|     |           |     |          |  | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|     | + (CFS)   |     | (HR)     |  |                      |       |       |          |
|     |           |     | (CFS)    |  |                      |       |       |          |
|     | +         | 43. | 5.58     |  | 26.                  | 10.   | 10.   | 10.      |
|     |           |     | (INCHES) |  | .005                 | .005  | .005  | .005     |
|     |           |     | (AC-FT)  |  | 13.                  | 14.   | 14.   | 14.      |

CUMULATIVE AREA = 52.71 SQ MI

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HYDROGRAPH AT STATION CFplain  
SUM OF 3 HYDROGRAPHS  
PLAN 1, RATIO = .32



|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0235 | 32 | 16. | * | 1 | 0645 | 82  | 20. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 16. | * | 1 | 0650 | 83  | 19. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 16. | * | 1 | 0655 | 84  | 17. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 16. | * | 1 | 0700 | 85  | 16. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 16. | * | 1 | 0705 | 86  | 15. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 16. | * | 1 | 0710 | 87  | 14. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 16. | * | 1 | 0715 | 88  | 13. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 16. | * | 1 | 0720 | 89  | 12. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 16. | * | 1 | 0725 | 90  | 11. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 16. | * | 1 | 0730 | 91  | 10. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 16. | * | 1 | 0735 | 92  | 9.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 16. | * | 1 | 0740 | 93  | 8.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 17. | * | 1 | 0745 | 94  | 7.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 18. | * | 1 | 0750 | 95  | 6.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 19. | * | 1 | 0755 | 96  | 6.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 20. | * | 1 | 0800 | 97  | 5.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 22. | * | 1 | 0805 | 98  | 4.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 24. | * | 1 | 0810 | 99  | 4.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 26. | * | 1 | 0815 | 100 | 3.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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| + (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|---------|--------------|----------------------|-------|-------|----------|
|         |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|         | (CFS)        |                      |       |       |          |
| + 36.   | 5.58         | 22.                  | 9.    | 9.    | 9.       |
|         | (INCHES)     | .004                 | .004  | .004  | .004     |
|         | (AC-FT)      | 11.                  | 12.   | 12.   | 12.      |

CUMULATIVE AREA = 52.71 SQ MI



|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 10. | * | 1 | 0605 | 74  | 26. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 10. | * | 1 | 0610 | 75  | 25. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 10. | * | 1 | 0615 | 76  | 24. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 11. | * | 1 | 0620 | 77  | 22. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 11. | * | 1 | 0625 | 78  | 21. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 11. | * | 1 | 0630 | 79  | 20. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 12. | * | 1 | 0635 | 80  | 18. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 12. | * | 1 | 0640 | 81  | 17. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 13. | * | 1 | 0645 | 82  | 16. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 13. | * | 1 | 0650 | 83  | 15. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 13. | * | 1 | 0655 | 84  | 14. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 13. | * | 1 | 0700 | 85  | 13. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 13. | * | 1 | 0705 | 86  | 12. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 13. | * | 1 | 0710 | 87  | 11. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 13. | * | 1 | 0715 | 88  | 11. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 13. | * | 1 | 0720 | 89  | 10. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 13. | * | 1 | 0725 | 90  | 9.  | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 13. | * | 1 | 0730 | 91  | 8.  | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 13. | * | 1 | 0735 | 92  | 7.  | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 13. | * | 1 | 0740 | 93  | 7.  | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 14. | * | 1 | 0745 | 94  | 6.  | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 14. | * | 1 | 0750 | 95  | 5.  | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 15. | * | 1 | 0755 | 96  | 5.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 17. | * | 1 | 0800 | 97  | 4.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 18. | * | 1 | 0805 | 98  | 4.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 19. | * | 1 | 0810 | 99  | 3.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 21. | * | 1 | 0815 | 100 | 3.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     | *   |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------------------|-------|-------|----------|
|           |       | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)  |                      |       |       |          |
|           | (CFS) |                      |       |       |          |
| + 29.     | 5.58  | 18.                  | 7.    | 7.    | 7.       |

(INCHES) .003 .003 .003 .003  
(AC-FT) 9. 10. 10. 10.

CUMULATIVE AREA = 52.71 SQ MI

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\* \*  
107 KK \* HVal \*  
\* \*  
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685

114 KO OUTPUT CONTROL VARIABLES  
IPRNT 2 PRINT CONTROL  
IPLOT 0 PLOT CONTROL  
QSCAL 0. HYDROGRAPH PLOT SCALE

SUBBASIN RUNOFF DATA

109 BA SUBBASIN CHARACTERISTICS  
TAREA 11.14 SUBBASIN AREA

PRECIPITATION DATA

110 PB STORM 3.02 BASIN TOTAL PRECIPITATION

38 PI INCREMENTAL PRECIPITATION PATTERN  
.02 .04 .02 .03 .03 .01 .01 .01 .00 .01  
.00 .01 .00 .01 .01 .01 .01 .01 .01 .01  
.01 .01 .02 .01 .01 .00 .00 .00 .01 .00  
.01 .01 .01 .02 .02 .03 .02 .05 .04 .05  
.07 .08 .01 .01 .02 .03 .01 .00 .01 .01

.01 .01 .01 .02 .03 .02 .03 .03 .00 .00  
.00 .00 .00 .00 .00 .00 .00 .00 .00 .00  
.00 .00

112 LG GREEN AND AMPT LOSS RATE  
STRTL .05 STARTING LOSS  
DTH .54 MOISTURE DEFICIT  
PSIF 7.90 WETTING FRONT SUCTION  
XKSAT .28 HYDRAULIC CONDUCTIVITY  
RTIMP .63 PERCENT IMPERVIOUS AREA

113 UD SCS DIMENSIONLESS UNITGRAPH  
TLAG .86 LAG

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UNIT HYDROGRAPH  
54 END-OF-PERIOD ORDINATES

165. 533. 1012. 1633. 2443. 3423. 4387. 5151. 5663. 5922.  
5957. 5875. 5543. 5157. 4720. 4184. 3548. 2962. 2511. 2154.  
1847. 1598. 1397. 1203. 1037. 874. 763. 653. 567. 484.  
417. 356. 306. 264. 227. 197. 168. 146. 125. 108.  
91. 80. 69. 61. 54. 48. 41. 34. 28. 23.  
17. 12. 6. 1.

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HYDROGRAPH AT STATION HVal

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\*  
DA MON HRMN ORD RAIN LOSS EXCESS COMP Q \* DA MON HRMN ORD RAIN LOSS EXCESS COMP Q  
\*

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0000 | 1  | .00 | .00 | .00 | 0.  | * | 1 | 0820 | 101 | .00 | .00 | .00 | 4. |
| 1 | 0005 | 2  | .06 | .06 | .00 | 0.  | * | 1 | 0825 | 102 | .00 | .00 | .00 | 3. |
| 1 | 0010 | 3  | .12 | .12 | .00 | 0.  | * | 1 | 0830 | 103 | .00 | .00 | .00 | 3. |
| 1 | 0015 | 4  | .06 | .06 | .00 | 1.  | * | 1 | 0835 | 104 | .00 | .00 | .00 | 2. |
| 1 | 0020 | 5  | .09 | .09 | .00 | 2.  | * | 1 | 0840 | 105 | .00 | .00 | .00 | 2. |
| 1 | 0025 | 6  | .10 | .10 | .00 | 3.  | * | 1 | 0845 | 106 | .00 | .00 | .00 | 2. |
| 1 | 0030 | 7  | .02 | .02 | .00 | 5.  | * | 1 | 0850 | 107 | .00 | .00 | .00 | 1. |
| 1 | 0035 | 8  | .03 | .03 | .00 | 7.  | * | 1 | 0855 | 108 | .00 | .00 | .00 | 1. |
| 1 | 0040 | 9  | .02 | .02 | .00 | 9.  | * | 1 | 0900 | 109 | .00 | .00 | .00 | 1. |
| 1 | 0045 | 10 | .01 | .01 | .00 | 12. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 0. |
| 1 | 0050 | 11 | .03 | .03 | .00 | 14. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0. |
| 1 | 0055 | 12 | .01 | .01 | .00 | 16. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .02 | .02 | .00 | 17. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .01 | .01 | .00 | 18. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .02 | .02 | .00 | 19. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .02 | .02 | .00 | 19. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .02 | .02 | .00 | 18. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .03 | .03 | .00 | 18. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .03 | .03 | .00 | 17. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .03 | .03 | .00 | 16. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .03 | .03 | .00 | 15. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .03 | .03 | .00 | 15. | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .02 | .02 | .00 | 14. | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .05 | .05 | .00 | 14. | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .03 | .03 | .00 | 14. | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .03 | .03 | .00 | 14. | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .02 | .02 | .00 | 14. | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .01 | .01 | .00 | 14. | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 14. | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .02 | .02 | .00 | 14. | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .01 | .01 | .00 | 14. | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .02 | .02 | .00 | 14. | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .02 | .02 | .00 | 14. | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .04 | .04 | .00 | 14. | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .05 | .05 | .00 | 13. | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .06 | .06 | .00 | 13. | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .08 | .08 | .00 | 13. | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |



|   |      |    |     |     |     |       |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0305 | 38 | .07 | .07 | .00 | 13.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .14 | .10 | .04 | 20.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .11 | .09 | .02 | 40.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .14 | .09 | .05 | 77.   | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .21 | .09 | .12 | 153.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .24 | .08 | .16 | 297.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .03 | .03 | .00 | 505.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .03 | .03 | .00 | 760.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .06 | .06 | .00 | 1061. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .08 | .08 | .01 | 1399. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .03 | .03 | .00 | 1736. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .02 | .02 | .00 | 2020. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .03 | .03 | .00 | 2219. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .02 | .02 | .00 | 2322. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .03 | .03 | .00 | 2346. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .02 | .02 | .00 | 2304. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .04 | .04 | .00 | 2202. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .06 | .06 | .00 | 2045. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .09 | .07 | .02 | 1869. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .06 | .06 | .00 | 1678. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .08 | .07 | .02 | 1474. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .08 | .06 | .02 | 1279. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 1128. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 1023. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .02 | .02 | .00 | 950.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .01 | .01 | .00 | 897.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .01 | .01 | .00 | 858.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .01 | .01 | .00 | 823.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 779.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 732.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .01 | .01 | .00 | 678.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 626.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .01 | .01 | .00 | 570.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 511.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .01 | .01 | .00 | 452.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 395.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 341.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0610 | 75  | .00 | .00 | .00 | 291. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 248. | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 213. | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 184. | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 159. | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 137. | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 118. | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 102. | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 88.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 76.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 66.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 57.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 49.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 42.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 36.  | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 30.  | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 26.  | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 21.  | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 17.  | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 13.  | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 10.  | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 8.   | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 7.   | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 6.   | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 5.   | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 4.   | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 3.02, TOTAL LOSS = 2.54, TOTAL EXCESS = .48

| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| (CFS)                |              |                      |       |       |          |

|   |       |          |      |      |      |      |
|---|-------|----------|------|------|------|------|
| + | 2346. | 4.25     | 566. | 206. | 206. | 206. |
|   |       | (INCHES) | .473 | .476 | .476 | .476 |
|   |       | (AC-FT)  | 281. | 283. | 283. | 283. |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .62

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| 069 | DA MON HRMN ORD RAIN LOSS EXCESS COMP Q * |      |    |     |     |     |     |   | DA MON HRMN ORD RAIN LOSS EXCESS COMP Q |      |     |     |     |     |    |  |  |  |
|-----|-------------------------------------------|------|----|-----|-----|-----|-----|---|-----------------------------------------|------|-----|-----|-----|-----|----|--|--|--|
|     |                                           |      |    |     |     |     |     |   |                                         |      |     |     |     |     |    |  |  |  |
|     | 1                                         | 0000 | 1  | .00 | .00 | .00 | 0.  | * | 1                                       | 0820 | 101 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0005 | 2  | .04 | .04 | .00 | 0.  | * | 1                                       | 0825 | 102 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0010 | 3  | .07 | .07 | .00 | 0.  | * | 1                                       | 0830 | 103 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0015 | 4  | .04 | .04 | .00 | 1.  | * | 1                                       | 0835 | 104 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0020 | 5  | .06 | .06 | .00 | 1.  | * | 1                                       | 0840 | 105 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0025 | 6  | .06 | .06 | .00 | 2.  | * | 1                                       | 0845 | 106 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0030 | 7  | .01 | .01 | .00 | 3.  | * | 1                                       | 0850 | 107 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0035 | 8  | .02 | .02 | .00 | 4.  | * | 1                                       | 0855 | 108 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0040 | 9  | .01 | .01 | .00 | 6.  | * | 1                                       | 0900 | 109 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0045 | 10 | .01 | .01 | .00 | 7.  | * | 1                                       | 0905 | 110 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0050 | 11 | .02 | .02 | .00 | 9.  | * | 1                                       | 0910 | 111 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0055 | 12 | .00 | .00 | .00 | 10. | * | 1                                       | 0915 | 112 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0100 | 13 | .01 | .01 | .00 | 11. | * | 1                                       | 0920 | 113 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0105 | 14 | .01 | .01 | .00 | 11. | * | 1                                       | 0925 | 114 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0110 | 15 | .01 | .01 | .00 | 12. | * | 1                                       | 0930 | 115 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0115 | 16 | .01 | .01 | .00 | 12. | * | 1                                       | 0935 | 116 | .00 | .00 | .00 | 0. |  |  |  |
|     | 1                                         | 0120 | 17 | .01 | .01 | .00 | 11. | * | 1                                       | 0940 | 117 | .00 | .00 | .00 | 0. |  |  |  |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0125 | 18 | .02 | .02 | .00 | 11.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .02 | .02 | .00 | 11.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .02 | .02 | .00 | 10.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .02 | .02 | .00 | 9.   | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .02 | .02 | .00 | 9.   | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 9.   | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .03 | .03 | .00 | 9.   | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .02 | .02 | .00 | 9.   | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .02 | .02 | .00 | 9.   | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .01 | .01 | .00 | 9.   | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .01 | .01 | .00 | 9.   | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 9.   | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 9.   | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .01 | .01 | .00 | 9.   | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .01 | .01 | .00 | 9.   | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 9.   | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .02 | .02 | .00 | 8.   | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .03 | .03 | .00 | 8.   | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .04 | .04 | .00 | 8.   | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .05 | .05 | .00 | 8.   | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .04 | .04 | .00 | 8.   | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .09 | .09 | .00 | 8.   | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .07 | .07 | .00 | 9.   | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .09 | .09 | .00 | 10.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .13 | .12 | .01 | 13.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .15 | .11 | .04 | 27.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .02 | .02 | .00 | 50.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .02 | .02 | .00 | 81.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .04 | .04 | .00 | 120. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .05 | .05 | .00 | 168. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .02 | .02 | .00 | 224. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 276. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .02 | .02 | .00 | 316. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 341. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .02 | .02 | .00 | 353. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 353. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .03 | .03 | .00 | 344. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |      |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|------|---|---|------|-----|-----|-----|-----|----|
| 1 | 0430 | 55 | .04 | .04 | .00 | 324. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .06 | .06 | .00 | 301. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .04 | .04 | .00 | 274. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .05 | .05 | .00 | 242. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .05 | .05 | .00 | 207. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 176. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 152. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 133. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 116. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 103. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 92.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 81.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 71.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 62.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 55.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .01 | .01 | .00 | 48.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 42.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 37.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 32.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 28.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 24.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 21.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 18.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 16.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 14.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 12.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 10.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 9.   | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 8.   | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 7.   | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 6.   | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86 | .00 | .00 | .00 | 5.   | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87 | .00 | .00 | .00 | 5.   | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88 | .00 | .00 | .00 | 4.   | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89 | .00 | .00 | .00 | 3.   | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90 | .00 | .00 | .00 | 3.   | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91 | .00 | .00 | .00 | 2.   | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0735 | 92  | .00 | .00 | .00 | 2. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 2. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 1. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 1. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.87, TOTAL LOSS = 1.81, TOTAL EXCESS = .07

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS)    |                      |       |       |          |
|           | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| +         | 353.     | 4.25                 | 79.   | 29.   | 29.      |
|           | (INCHES) | .066                 | .066  | .066  | .066     |
|           | (AC-FT)  | 39.                  | 39.   | 39.   | 39.      |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .44

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| *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q *<br>* |      |   |     |     |     |    |   |   |      |     |     |     |     | *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1                                                   | 0000 | 1 | .00 | .00 | .00 | 0. | * | 1 | 0820 | 101 | .00 | .00 | .00 | 0.                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0250 | 35 | .02 | .02 | .00 | 6.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .03 | .03 | .00 | 6.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .04 | .04 | .00 | 6.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .03 | .03 | .00 | 6.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .06 | .06 | .00 | 6.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .05 | .05 | .00 | 6.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .06 | .06 | .00 | 7.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .09 | .09 | .00 | 8.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .11 | .11 | .00 | 9.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 11. | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 12. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .03 | .03 | .00 | 14. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .04 | .04 | .00 | 16. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 18. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 19. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 20. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 20. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 20. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 20. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .02 | .02 | .00 | 19. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .03 | .03 | .00 | 18. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .04 | .04 | .00 | 17. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .03 | .03 | .00 | 16. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .04 | .04 | .00 | 15. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .04 | .04 | .00 | 14. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .01 | .01 | .00 | 14. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .01 | .01 | .00 | 14. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 13. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 13. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 13. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 13. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .01 | .01 | .00 | 12. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 12. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 11. | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 10. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 10. | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 9.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |



|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0555 | 72  | .00 | .00 | .00 | 8. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73  | .00 | .00 | .00 | 7. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74  | .00 | .00 | .00 | 6. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75  | .00 | .00 | .00 | 6. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 5. | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 4. | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 4. | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 4. | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 3. | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 3. | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 2. | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 2. | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 2. | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 2. | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 1. | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 1. | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 1. | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 1. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 1. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 1. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 1. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 0. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 0. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.33, TOTAL LOSS = 1.32, TOTAL EXCESS = .01

PEAK FLOW TIME

MAXIMUM AVERAGE FLOW

697

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|   |      |    |     |     |     |    |   |   |      | *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q |     |     |     |    |
|---|------|----|-----|-----|-----|----|---|---|------|----------------------------------------------|-----|-----|-----|----|
|   |      |    |     |     |     |    |   |   |      | *<br>DA MON HRMN ORD RAIN LOSS EXCESS COMP Q |     |     |     |    |
| 1 | 0000 | 1  | .00 | .00 | .00 | 0. | * | 1 | 0820 | 101                                          | .00 | .00 | .00 | 0. |
| 1 | 0005 | 2  | .02 | .02 | .00 | 0. | * | 1 | 0825 | 102                                          | .00 | .00 | .00 | 0. |
| 1 | 0010 | 3  | .04 | .04 | .00 | 0. | * | 1 | 0830 | 103                                          | .00 | .00 | .00 | 0. |
| 1 | 0015 | 4  | .02 | .02 | .00 | 0. | * | 1 | 0835 | 104                                          | .00 | .00 | .00 | 0. |
| 1 | 0020 | 5  | .03 | .03 | .00 | 1. | * | 1 | 0840 | 105                                          | .00 | .00 | .00 | 0. |
| 1 | 0025 | 6  | .04 | .04 | .00 | 1. | * | 1 | 0845 | 106                                          | .00 | .00 | .00 | 0. |
| 1 | 0030 | 7  | .01 | .01 | .00 | 2. | * | 1 | 0850 | 107                                          | .00 | .00 | .00 | 0. |
| 1 | 0035 | 8  | .01 | .01 | .00 | 3. | * | 1 | 0855 | 108                                          | .00 | .00 | .00 | 0. |
| 1 | 0040 | 9  | .01 | .01 | .00 | 4. | * | 1 | 0900 | 109                                          | .00 | .00 | .00 | 0. |
| 1 | 0045 | 10 | .00 | .00 | .00 | 4. | * | 1 | 0905 | 110                                          | .00 | .00 | .00 | 0. |
| 1 | 0050 | 11 | .01 | .01 | .00 | 5. | * | 1 | 0910 | 111                                          | .00 | .00 | .00 | 0. |
| 1 | 0055 | 12 | .00 | .00 | .00 | 6. | * | 1 | 0915 | 112                                          | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .01 | .01 | .00 | 7. | * | 1 | 0920 | 113                                          | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 7. | * | 1 | 0925 | 114                                          | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0110 | 15 | .01 | .01 | .00 | 7.  | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .01 | .01 | .00 | 7.  | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 7.  | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 7.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 6.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 6.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 6.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 6.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 5.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .02 | .02 | .00 | 5.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 5.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 5.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .01 | .01 | .00 | 5.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 5.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 5.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 5.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 5.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .01 | .01 | .00 | 5.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 5.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 5.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .02 | .02 | .00 | 5.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 5.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .03 | .03 | .00 | 5.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .03 | .03 | .00 | 5.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .05 | .05 | .00 | 5.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .04 | .04 | .00 | 5.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .05 | .05 | .00 | 6.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .08 | .08 | .00 | 7.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .09 | .09 | .00 | 8.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 9.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 11. | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 12. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .03 | .03 | .00 | 14. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 15. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .01 | .01 | .00 | 16. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 17. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 17. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0415 | 52 | .01 | .01 | .00 | 18. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 17. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .02 | .02 | .00 | 17. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .02 | .02 | .00 | 16. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .03 | .03 | .00 | 15. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 14. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .03 | .03 | .00 | 13. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .03 | .03 | .00 | 12. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 12. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 12. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .01 | .01 | .00 | 11. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 11. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 11. | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 11. | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 11. | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 10. | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 10. | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 9.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 8.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 8.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 7.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 6.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 6.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 5.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 4.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 4.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 3.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 3.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 3.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 2.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 2.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 2.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 2.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 1.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86 | .00 | .00 | .00 | 1.  | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87 | .00 | .00 | .00 | 1.  | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88 | .00 | .00 | .00 | 1.  | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0720 | 89  | .00 | .00 | .00 | 1. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 1. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 1. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 0. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 0. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 0. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = 1.15, TOTAL LOSS = 1.14, TOTAL EXCESS = .01

700

| PEAK FLOW |          | TIME |       | MAXIMUM AVERAGE FLOW |          |      |  |
|-----------|----------|------|-------|----------------------|----------|------|--|
|           |          | 6-HR | 24-HR | 72-HR                | 16.58-HR |      |  |
| +         | (CFS)    | (HR) |       |                      |          |      |  |
|           | (CFS)    |      |       |                      |          |      |  |
| +         | 18.      | 4.25 | 8.    | 3.                   | 3.       | 3.   |  |
|           | (INCHES) |      | .007  | .007                 | .007     | .007 |  |
|           | (AC-FT)  |      | 4.    | 4.                   | 4.       | 4.   |  |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .32

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DA MON HRMN ORD RAIN LOSS EXCESS COMP Q \* DA MON HRMN ORD RAIN LOSS EXCESS COMP Q

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|   |      |    |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0000 | 1  | .00 | .00 | .00 | 0. | * | 1 | 0820 | 101 | .00 | .00 | .00 | 0. |
| 1 | 0005 | 2  | .02 | .02 | .00 | 0. | * | 1 | 0825 | 102 | .00 | .00 | .00 | 0. |
| 1 | 0010 | 3  | .04 | .04 | .00 | 0. | * | 1 | 0830 | 103 | .00 | .00 | .00 | 0. |
| 1 | 0015 | 4  | .02 | .02 | .00 | 0. | * | 1 | 0835 | 104 | .00 | .00 | .00 | 0. |
| 1 | 0020 | 5  | .03 | .03 | .00 | 1. | * | 1 | 0840 | 105 | .00 | .00 | .00 | 0. |
| 1 | 0025 | 6  | .03 | .03 | .00 | 1. | * | 1 | 0845 | 106 | .00 | .00 | .00 | 0. |
| 1 | 0030 | 7  | .01 | .01 | .00 | 2. | * | 1 | 0850 | 107 | .00 | .00 | .00 | 0. |
| 1 | 0035 | 8  | .01 | .01 | .00 | 2. | * | 1 | 0855 | 108 | .00 | .00 | .00 | 0. |
| 1 | 0040 | 9  | .01 | .01 | .00 | 3. | * | 1 | 0900 | 109 | .00 | .00 | .00 | 0. |
| 1 | 0045 | 10 | .00 | .00 | .00 | 4. | * | 1 | 0905 | 110 | .00 | .00 | .00 | 0. |
| 1 | 0050 | 11 | .01 | .01 | .00 | 4. | * | 1 | 0910 | 111 | .00 | .00 | .00 | 0. |
| 1 | 0055 | 12 | .00 | .00 | .00 | 5. | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .00 | .00 | .00 | 6. | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 6. | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .01 | .01 | .00 | 6. | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .00 | .00 | .00 | 6. | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 6. | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 6. | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 5. | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 5. | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 5. | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 5. | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .01 | .01 | .00 | 5. | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .01 | .01 | .00 | 4. | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 4. | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 4. | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .00 | .00 | .00 | 4. | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 5. | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 5. | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 5. | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 5. | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0235 | 32 | .01 | .01 | .00 | 5.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .01 | .01 | .00 | 4.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 4.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .01 | .01 | .00 | 4.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 4.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .03 | .03 | .00 | 4.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .02 | .02 | .00 | 4.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .05 | .05 | .00 | 4.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .04 | .04 | .00 | 5.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .05 | .05 | .00 | 5.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .07 | .07 | .00 | 6.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .08 | .08 | .00 | 7.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 8.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 9.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 10. | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .03 | .03 | .00 | 12. | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 13. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |
| 1 | 0400 | 49 | .00 | .00 | .00 | 14. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 14. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .01 | .01 | .00 | 15. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 15. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .01 | .01 | .00 | 14. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .01 | .01 | .00 | 14. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .02 | .02 | .00 | 13. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .03 | .03 | .00 | 13. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 12. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .03 | .03 | .00 | 11. | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .03 | .03 | .00 | 11. | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 10. | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 10. | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .00 | .00 | .00 | 10. | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 10. | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 9.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 9.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 9.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 9.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 8.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0540 | 69  | .00 | .00 | .00 | 8. | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70  | .00 | .00 | .00 | 7. | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71  | .00 | .00 | .00 | 6. | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72  | .00 | .00 | .00 | 6. | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73  | .00 | .00 | .00 | 5. | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74  | .00 | .00 | .00 | 5. | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75  | .00 | .00 | .00 | 4. | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76  | .00 | .00 | .00 | 4. | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77  | .00 | .00 | .00 | 3. | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78  | .00 | .00 | .00 | 3. | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79  | .00 | .00 | .00 | 3. | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80  | .00 | .00 | .00 | 2. | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81  | .00 | .00 | .00 | 2. | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82  | .00 | .00 | .00 | 2. | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83  | .00 | .00 | .00 | 2. | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84  | .00 | .00 | .00 | 1. | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85  | .00 | .00 | .00 | 1. | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |
| 1 | 0705 | 86  | .00 | .00 | .00 | 1. | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 1. | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 1. | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 1. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 1. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 0. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 0. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 0. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 0. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = .97, TOTAL LOSS = .96, TOTAL EXCESS = .01

| PEAK FLOW |          | TIME | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|------|----------------------|-------|-------|----------|
|           |          |      | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| +         | (CFS)    | (HR) |                      |       |       |          |
|           | (CFS)    |      |                      |       |       |          |
| +         | 15.      | 4.25 | 7.                   | 3.    | 3.    | 3.       |
|           | (INCHES) |      | .006                 | .006  | .006  | .006     |
|           | (AC-FT)  |      | 3.                   | 4.    | 4.    | 4.       |

CUMULATIVE AREA = 11.14 SQ MI

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HYDROGRAPH AT STATION HVal  
PLAN 1, RATIO = .26

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|    |      |    |     |     |      |      |        |      |          | *   |     |     |    |    |     |      |      |        |      |   |
|----|------|----|-----|-----|------|------|--------|------|----------|-----|-----|-----|----|----|-----|------|------|--------|------|---|
| DA | MON  | HR | MN  | ORD | RAIN | LOSS | EXCESS | COMP | Q        | *   | DA  | MON | HR | MN | ORD | RAIN | LOSS | EXCESS | COMP | Q |
|    |      |    |     |     |      |      |        |      |          | *   |     |     |    |    |     |      |      |        |      |   |
| 1  | 0000 | 1  | .00 | .00 | .00  | 0.   | *      | 1    | 0820 101 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0005 | 2  | .02 | .02 | .00  | 0.   | *      | 1    | 0825 102 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0010 | 3  | .03 | .03 | .00  | 0.   | *      | 1    | 0830 103 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0015 | 4  | .02 | .02 | .00  | 0.   | *      | 1    | 0835 104 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0020 | 5  | .02 | .02 | .00  | 0.   | *      | 1    | 0840 105 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0025 | 6  | .03 | .03 | .00  | 1.   | *      | 1    | 0845 106 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0030 | 7  | .00 | .00 | .00  | 1.   | *      | 1    | 0850 107 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0035 | 8  | .01 | .01 | .00  | 2.   | *      | 1    | 0855 108 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0040 | 9  | .01 | .01 | .00  | 2.   | *      | 1    | 0900 109 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0045 | 10 | .00 | .00 | .00  | 3.   | *      | 1    | 0905 110 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |
| 1  | 0050 | 11 | .01 | .01 | .00  | 4.   | *      | 1    | 0910 111 | .00 | .00 | .00 | 0. |    |     |      |      |        |      |   |

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0055 | 12 | .00 | .00 | .00 | 4.  | * | 1 | 0915 | 112 | .00 | .00 | .00 | 0. |
| 1 | 0100 | 13 | .00 | .00 | .00 | 5.  | * | 1 | 0920 | 113 | .00 | .00 | .00 | 0. |
| 1 | 0105 | 14 | .00 | .00 | .00 | 5.  | * | 1 | 0925 | 114 | .00 | .00 | .00 | 0. |
| 1 | 0110 | 15 | .01 | .01 | .00 | 5.  | * | 1 | 0930 | 115 | .00 | .00 | .00 | 0. |
| 1 | 0115 | 16 | .00 | .00 | .00 | 5.  | * | 1 | 0935 | 116 | .00 | .00 | .00 | 0. |
| 1 | 0120 | 17 | .01 | .01 | .00 | 5.  | * | 1 | 0940 | 117 | .00 | .00 | .00 | 0. |
| 1 | 0125 | 18 | .01 | .01 | .00 | 5.  | * | 1 | 0945 | 118 | .00 | .00 | .00 | 0. |
| 1 | 0130 | 19 | .01 | .01 | .00 | 4.  | * | 1 | 0950 | 119 | .00 | .00 | .00 | 0. |
| 1 | 0135 | 20 | .01 | .01 | .00 | 4.  | * | 1 | 0955 | 120 | .00 | .00 | .00 | 0. |
| 1 | 0140 | 21 | .01 | .01 | .00 | 4.  | * | 1 | 1000 | 121 | .00 | .00 | .00 | 0. |
| 1 | 0145 | 22 | .01 | .01 | .00 | 4.  | * | 1 | 1005 | 122 | .00 | .00 | .00 | 0. |
| 1 | 0150 | 23 | .00 | .00 | .00 | 4.  | * | 1 | 1010 | 123 | .00 | .00 | .00 | 0. |
| 1 | 0155 | 24 | .01 | .01 | .00 | 4.  | * | 1 | 1015 | 124 | .00 | .00 | .00 | 0. |
| 1 | 0200 | 25 | .01 | .01 | .00 | 4.  | * | 1 | 1020 | 125 | .00 | .00 | .00 | 0. |
| 1 | 0205 | 26 | .01 | .01 | .00 | 4.  | * | 1 | 1025 | 126 | .00 | .00 | .00 | 0. |
| 1 | 0210 | 27 | .00 | .00 | .00 | 4.  | * | 1 | 1030 | 127 | .00 | .00 | .00 | 0. |
| 1 | 0215 | 28 | .00 | .00 | .00 | 4.  | * | 1 | 1035 | 128 | .00 | .00 | .00 | 0. |
| 1 | 0220 | 29 | .00 | .00 | .00 | 4.  | * | 1 | 1040 | 129 | .00 | .00 | .00 | 0. |
| 1 | 0225 | 30 | .01 | .01 | .00 | 4.  | * | 1 | 1045 | 130 | .00 | .00 | .00 | 0. |
| 1 | 0230 | 31 | .00 | .00 | .00 | 4.  | * | 1 | 1050 | 131 | .00 | .00 | .00 | 0. |
| 1 | 0235 | 32 | .00 | .00 | .00 | 4.  | * | 1 | 1055 | 132 | .00 | .00 | .00 | 0. |
| 1 | 0240 | 33 | .00 | .00 | .00 | 4.  | * | 1 | 1100 | 133 | .00 | .00 | .00 | 0. |
| 1 | 0245 | 34 | .01 | .01 | .00 | 4.  | * | 1 | 1105 | 134 | .00 | .00 | .00 | 0. |
| 1 | 0250 | 35 | .01 | .01 | .00 | 3.  | * | 1 | 1110 | 135 | .00 | .00 | .00 | 0. |
| 1 | 0255 | 36 | .02 | .02 | .00 | 3.  | * | 1 | 1115 | 136 | .00 | .00 | .00 | 0. |
| 1 | 0300 | 37 | .02 | .02 | .00 | 3.  | * | 1 | 1120 | 137 | .00 | .00 | .00 | 0. |
| 1 | 0305 | 38 | .02 | .02 | .00 | 3.  | * | 1 | 1125 | 138 | .00 | .00 | .00 | 0. |
| 1 | 0310 | 39 | .04 | .04 | .00 | 3.  | * | 1 | 1130 | 139 | .00 | .00 | .00 | 0. |
| 1 | 0315 | 40 | .03 | .03 | .00 | 4.  | * | 1 | 1135 | 140 | .00 | .00 | .00 | 0. |
| 1 | 0320 | 41 | .04 | .04 | .00 | 4.  | * | 1 | 1140 | 141 | .00 | .00 | .00 | 0. |
| 1 | 0325 | 42 | .05 | .05 | .00 | 5.  | * | 1 | 1145 | 142 | .00 | .00 | .00 | 0. |
| 1 | 0330 | 43 | .06 | .06 | .00 | 5.  | * | 1 | 1150 | 143 | .00 | .00 | .00 | 0. |
| 1 | 0335 | 44 | .01 | .01 | .00 | 6.  | * | 1 | 1155 | 144 | .00 | .00 | .00 | 0. |
| 1 | 0340 | 45 | .01 | .01 | .00 | 7.  | * | 1 | 1200 | 145 | .00 | .00 | .00 | 0. |
| 1 | 0345 | 46 | .02 | .02 | .00 | 8.  | * | 1 | 1205 | 146 | .00 | .00 | .00 | 0. |
| 1 | 0350 | 47 | .02 | .02 | .00 | 9.  | * | 1 | 1210 | 147 | .00 | .00 | .00 | 0. |
| 1 | 0355 | 48 | .01 | .01 | .00 | 10. | * | 1 | 1215 | 148 | .00 | .00 | .00 | 0. |

|   |      |    |     |     |     |     |   |   |      |     |     |     |     |    |
|---|------|----|-----|-----|-----|-----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0400 | 49 | .00 | .00 | .00 | 11. | * | 1 | 1220 | 149 | .00 | .00 | .00 | 0. |
| 1 | 0405 | 50 | .01 | .01 | .00 | 12. | * | 1 | 1225 | 150 | .00 | .00 | .00 | 0. |
| 1 | 0410 | 51 | .00 | .00 | .00 | 12. | * | 1 | 1230 | 151 | .00 | .00 | .00 | 0. |
| 1 | 0415 | 52 | .01 | .01 | .00 | 12. | * | 1 | 1235 | 152 | .00 | .00 | .00 | 0. |
| 1 | 0420 | 53 | .00 | .00 | .00 | 12. | * | 1 | 1240 | 153 | .00 | .00 | .00 | 0. |
| 1 | 0425 | 54 | .01 | .01 | .00 | 11. | * | 1 | 1245 | 154 | .00 | .00 | .00 | 0. |
| 1 | 0430 | 55 | .01 | .01 | .00 | 11. | * | 1 | 1250 | 155 | .00 | .00 | .00 | 0. |
| 1 | 0435 | 56 | .02 | .02 | .00 | 10. | * | 1 | 1255 | 156 | .00 | .00 | .00 | 0. |
| 1 | 0440 | 57 | .02 | .02 | .00 | 10. | * | 1 | 1300 | 157 | .00 | .00 | .00 | 0. |
| 1 | 0445 | 58 | .02 | .02 | .00 | 9.  | * | 1 | 1305 | 158 | .00 | .00 | .00 | 0. |
| 1 | 0450 | 59 | .02 | .02 | .00 | 9.  | * | 1 | 1310 | 159 | .00 | .00 | .00 | 0. |
| 1 | 0455 | 60 | .00 | .00 | .00 | 8.  | * | 1 | 1315 | 160 | .00 | .00 | .00 | 0. |
| 1 | 0500 | 61 | .00 | .00 | .00 | 8.  | * | 1 | 1320 | 161 | .00 | .00 | .00 | 0. |
| 1 | 0505 | 62 | .00 | .00 | .00 | 8.  | * | 1 | 1325 | 162 | .00 | .00 | .00 | 0. |
| 1 | 0510 | 63 | .00 | .00 | .00 | 8.  | * | 1 | 1330 | 163 | .00 | .00 | .00 | 0. |
| 1 | 0515 | 64 | .00 | .00 | .00 | 8.  | * | 1 | 1335 | 164 | .00 | .00 | .00 | 0. |
| 1 | 0520 | 65 | .00 | .00 | .00 | 8.  | * | 1 | 1340 | 165 | .00 | .00 | .00 | 0. |
| 1 | 0525 | 66 | .00 | .00 | .00 | 7.  | * | 1 | 1345 | 166 | .00 | .00 | .00 | 0. |
| 1 | 0530 | 67 | .00 | .00 | .00 | 7.  | * | 1 | 1350 | 167 | .00 | .00 | .00 | 0. |
| 1 | 0535 | 68 | .00 | .00 | .00 | 7.  | * | 1 | 1355 | 168 | .00 | .00 | .00 | 0. |
| 1 | 0540 | 69 | .00 | .00 | .00 | 6.  | * | 1 | 1400 | 169 | .00 | .00 | .00 | 0. |
| 1 | 0545 | 70 | .00 | .00 | .00 | 6.  | * | 1 | 1405 | 170 | .00 | .00 | .00 | 0. |
| 1 | 0550 | 71 | .00 | .00 | .00 | 5.  | * | 1 | 1410 | 171 | .00 | .00 | .00 | 0. |
| 1 | 0555 | 72 | .00 | .00 | .00 | 5.  | * | 1 | 1415 | 172 | .00 | .00 | .00 | 0. |
| 1 | 0600 | 73 | .00 | .00 | .00 | 4.  | * | 1 | 1420 | 173 | .00 | .00 | .00 | 0. |
| 1 | 0605 | 74 | .00 | .00 | .00 | 4.  | * | 1 | 1425 | 174 | .00 | .00 | .00 | 0. |
| 1 | 0610 | 75 | .00 | .00 | .00 | 3.  | * | 1 | 1430 | 175 | .00 | .00 | .00 | 0. |
| 1 | 0615 | 76 | .00 | .00 | .00 | 3.  | * | 1 | 1435 | 176 | .00 | .00 | .00 | 0. |
| 1 | 0620 | 77 | .00 | .00 | .00 | 3.  | * | 1 | 1440 | 177 | .00 | .00 | .00 | 0. |
| 1 | 0625 | 78 | .00 | .00 | .00 | 2.  | * | 1 | 1445 | 178 | .00 | .00 | .00 | 0. |
| 1 | 0630 | 79 | .00 | .00 | .00 | 2.  | * | 1 | 1450 | 179 | .00 | .00 | .00 | 0. |
| 1 | 0635 | 80 | .00 | .00 | .00 | 2.  | * | 1 | 1455 | 180 | .00 | .00 | .00 | 0. |
| 1 | 0640 | 81 | .00 | .00 | .00 | 2.  | * | 1 | 1500 | 181 | .00 | .00 | .00 | 0. |
| 1 | 0645 | 82 | .00 | .00 | .00 | 1.  | * | 1 | 1505 | 182 | .00 | .00 | .00 | 0. |
| 1 | 0650 | 83 | .00 | .00 | .00 | 1.  | * | 1 | 1510 | 183 | .00 | .00 | .00 | 0. |
| 1 | 0655 | 84 | .00 | .00 | .00 | 1.  | * | 1 | 1515 | 184 | .00 | .00 | .00 | 0. |
| 1 | 0700 | 85 | .00 | .00 | .00 | 1.  | * | 1 | 1520 | 185 | .00 | .00 | .00 | 0. |

|   |      |     |     |     |     |    |   |   |      |     |     |     |     |    |
|---|------|-----|-----|-----|-----|----|---|---|------|-----|-----|-----|-----|----|
| 1 | 0705 | 86  | .00 | .00 | .00 | 1. | * | 1 | 1525 | 186 | .00 | .00 | .00 | 0. |
| 1 | 0710 | 87  | .00 | .00 | .00 | 1. | * | 1 | 1530 | 187 | .00 | .00 | .00 | 0. |
| 1 | 0715 | 88  | .00 | .00 | .00 | 1. | * | 1 | 1535 | 188 | .00 | .00 | .00 | 0. |
| 1 | 0720 | 89  | .00 | .00 | .00 | 1. | * | 1 | 1540 | 189 | .00 | .00 | .00 | 0. |
| 1 | 0725 | 90  | .00 | .00 | .00 | 0. | * | 1 | 1545 | 190 | .00 | .00 | .00 | 0. |
| 1 | 0730 | 91  | .00 | .00 | .00 | 0. | * | 1 | 1550 | 191 | .00 | .00 | .00 | 0. |
| 1 | 0735 | 92  | .00 | .00 | .00 | 0. | * | 1 | 1555 | 192 | .00 | .00 | .00 | 0. |
| 1 | 0740 | 93  | .00 | .00 | .00 | 0. | * | 1 | 1600 | 193 | .00 | .00 | .00 | 0. |
| 1 | 0745 | 94  | .00 | .00 | .00 | 0. | * | 1 | 1605 | 194 | .00 | .00 | .00 | 0. |
| 1 | 0750 | 95  | .00 | .00 | .00 | 0. | * | 1 | 1610 | 195 | .00 | .00 | .00 | 0. |
| 1 | 0755 | 96  | .00 | .00 | .00 | 0. | * | 1 | 1615 | 196 | .00 | .00 | .00 | 0. |
| 1 | 0800 | 97  | .00 | .00 | .00 | 0. | * | 1 | 1620 | 197 | .00 | .00 | .00 | 0. |
| 1 | 0805 | 98  | .00 | .00 | .00 | 0. | * | 1 | 1625 | 198 | .00 | .00 | .00 | 0. |
| 1 | 0810 | 99  | .00 | .00 | .00 | 0. | * | 1 | 1630 | 199 | .00 | .00 | .00 | 0. |
| 1 | 0815 | 100 | .00 | .00 | .00 | 0. | * | 1 | 1635 | 200 | .00 | .00 | .00 | 0. |

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TOTAL RAINFALL = .79, TOTAL LOSS = .78, TOTAL EXCESS = .00

| PEAK FLOW |          | TIME |       | MAXIMUM AVERAGE FLOW |          |      |  |
|-----------|----------|------|-------|----------------------|----------|------|--|
|           |          | 6-HR | 24-HR | 72-HR                | 16.58-HR |      |  |
| +         | (CFS)    | (HR) |       |                      |          |      |  |
|           | (CFS)    |      |       |                      |          |      |  |
| +         | 12.      | 4.25 | 6.    | 2.                   | 2.       | 2.   |  |
|           | (INCHES) |      | .005  | .005                 | .005     | .005 |  |
|           | (AC-FT)  |      | 3.    | 3.                   | 3.       | 3.   |  |

CUMULATIVE AREA = 11.14 SQ MI

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*****
*      *
126 KK  *   COut *
*      *
*****

```

```

127 KO      OUTPUT CONTROL VARIABLES
          IPRNT      2 PRINT CONTROL
          IPLOT      0 PLOT CONTROL
          QSCAL      0. HYDROGRAPH PLOT SCALE

```

```

128 HC      HYDROGRAPH COMBINATION
          ICOMP      4 NUMBER OF HYDROGRAPHS TO COMBINE

```

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*****
**

```

HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .62

```

*****
**

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| *<br>DA MON HRMN ORD |      |   |    | *<br>FLOW |      |    |       | *<br>DA MON HRMN ORD |      |     |     | *<br>FLOW |      |     |    | *<br>DA MON HRMN ORD |  |  |  | *<br>FLOW |  |  |  |
|----------------------|------|---|----|-----------|------|----|-------|----------------------|------|-----|-----|-----------|------|-----|----|----------------------|--|--|--|-----------|--|--|--|
| 1                    | 0000 | 1 | 0. | * 1       | 0410 | 51 | 1209. | * 1                  | 0820 | 101 | 55. | * 1       | 1230 | 151 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0005 | 2 | 0. | * 1       | 0415 | 52 | 1321. | * 1                  | 0825 | 102 | 48. | * 1       | 1235 | 152 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0010 | 3 | 0. | * 1       | 0420 | 53 | 1443. | * 1                  | 0830 | 103 | 41. | * 1       | 1240 | 153 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0015 | 4 | 0. | * 1       | 0425 | 54 | 1570. | * 1                  | 0835 | 104 | 35. | * 1       | 1245 | 154 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0020 | 5 | 1. | * 1       | 0430 | 55 | 1691. | * 1                  | 0840 | 105 | 30. | * 1       | 1250 | 155 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0025 | 6 | 2. | * 1       | 0435 | 56 | 1806. | * 1                  | 0845 | 106 | 26. | * 1       | 1255 | 156 | 0. |                      |  |  |  |           |  |  |  |

|   |      |    |      |   |   |      |    |       |   |   |      |     |     |   |   |      |     |    |
|---|------|----|------|---|---|------|----|-------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0030 | 7  | 3.   | * | 1 | 0440 | 57 | 1909. | * | 1 | 0850 | 107 | 23. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 4.   | * | 1 | 0445 | 58 | 1981. | * | 1 | 0855 | 108 | 20. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 5.   | * | 1 | 0450 | 59 | 2015. | * | 1 | 0900 | 109 | 17. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 6.   | * | 1 | 0455 | 60 | 2013. | * | 1 | 0905 | 110 | 15. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 8.   | * | 1 | 0500 | 61 | 1992. | * | 1 | 0910 | 111 | 13. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 9.   | * | 1 | 0505 | 62 | 1964. | * | 1 | 0915 | 112 | 11. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 11.  | * | 1 | 0510 | 63 | 1932. | * | 1 | 0920 | 113 | 10. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 13.  | * | 1 | 0515 | 64 | 1892. | * | 1 | 0925 | 114 | 9.  | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 15.  | * | 1 | 0520 | 65 | 1847. | * | 1 | 0930 | 115 | 8.  | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 18.  | * | 1 | 0525 | 66 | 1797. | * | 1 | 0935 | 116 | 7.  | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 21.  | * | 1 | 0530 | 67 | 1739. | * | 1 | 0940 | 117 | 6.  | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 23.  | * | 1 | 0535 | 68 | 1676. | * | 1 | 0945 | 118 | 5.  | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 26.  | * | 1 | 0540 | 69 | 1609. | * | 1 | 0950 | 119 | 5.  | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 28.  | * | 1 | 0545 | 70 | 1543. | * | 1 | 0955 | 120 | 4.  | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 30.  | * | 1 | 0550 | 71 | 1478. | * | 1 | 1000 | 121 | 4.  | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 32.  | * | 1 | 0555 | 72 | 1417. | * | 1 | 1005 | 122 | 3.  | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 34.  | * | 1 | 0600 | 73 | 1359. | * | 1 | 1010 | 123 | 3.  | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 35.  | * | 1 | 0605 | 74 | 1305. | * | 1 | 1015 | 124 | 2.  | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 36.  | * | 1 | 0610 | 75 | 1252. | * | 1 | 1020 | 125 | 2.  | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 37.  | * | 1 | 0615 | 76 | 1198. | * | 1 | 1025 | 126 | 2.  | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 38.  | * | 1 | 0620 | 77 | 1142. | * | 1 | 1030 | 127 | 2.  | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 38.  | * | 1 | 0625 | 78 | 1081. | * | 1 | 1035 | 128 | 1.  | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 39.  | * | 1 | 0630 | 79 | 1014. | * | 1 | 1040 | 129 | 1.  | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 39.  | * | 1 | 0635 | 80 | 943.  | * | 1 | 1045 | 130 | 1.  | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 40.  | * | 1 | 0640 | 81 | 867.  | * | 1 | 1050 | 131 | 1.  | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 40.  | * | 1 | 0645 | 82 | 789.  | * | 1 | 1055 | 132 | 0.  | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 41.  | * | 1 | 0650 | 83 | 710.  | * | 1 | 1100 | 133 | 0.  | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 41.  | * | 1 | 0655 | 84 | 634.  | * | 1 | 1105 | 134 | 0.  | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 42.  | * | 1 | 0700 | 85 | 561.  | * | 1 | 1110 | 135 | 0.  | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 43.  | * | 1 | 0705 | 86 | 493.  | * | 1 | 1115 | 136 | 0.  | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 43.  | * | 1 | 0710 | 87 | 431.  | * | 1 | 1120 | 137 | 0.  | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 44.  | * | 1 | 0715 | 88 | 376.  | * | 1 | 1125 | 138 | 0.  | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 45.  | * | 1 | 0720 | 89 | 326.  | * | 1 | 1130 | 139 | 0.  | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 46.  | * | 1 | 0725 | 90 | 283.  | * | 1 | 1135 | 140 | 0.  | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 47.  | * | 1 | 0730 | 91 | 244.  | * | 1 | 1140 | 141 | 0.  | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 59.  | * | 1 | 0735 | 92 | 211.  | * | 1 | 1145 | 142 | 0.  | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 108. | * | 1 | 0740 | 93 | 183.  | * | 1 | 1150 | 143 | 0.  | * | 1 | 1600 | 193 | 0. |

|   |      |    |       |   |   |      |     |      |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-------|---|---|------|-----|------|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0335 | 44 | 191.  | * | 1 | 0745 | 94  | 158. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 302.  | * | 1 | 0750 | 95  | 136. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 448.  | * | 1 | 0755 | 96  | 118. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 622.  | * | 1 | 0800 | 97  | 101. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 796.  | * | 1 | 0805 | 98  | 87.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 955.  | * | 1 | 0810 | 99  | 75.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 1090. | * | 1 | 0815 | 100 | 64.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *     |   |   | *    |     |      |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + 2015.              | 4.83         | 821.                 | 301.  | 301.  | 301.     |
|                      | (INCHES)     | .093                 | .094  | .094  | .094     |
|                      | (AC-FT)      | 407.                 | 413.  | 413.  | 413.     |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .44

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|                 |        |                 |
|-----------------|--------|-----------------|
| *               | *      | *               |
| DA MON HRMN ORD | FLOW * | DA MON HRMN ORD |
| *               | *      | *               |
| DA MON HRMN ORD | FLOW * | DA MON HRMN ORD |
| *               | *      | *               |
| DA MON HRMN ORD | FLOW * | DA MON HRMN ORD |
| *               | *      | *               |

|   |      |    |     |   |   |      |    |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0000 | 1  | 0.  | * | 1 | 0410 | 51 | 73. | * | 1 | 0820 | 101 | 9. | * | 1 | 1230 | 151 | 0. |
| 1 | 0005 | 2  | 0.  | * | 1 | 0415 | 52 | 77. | * | 1 | 0825 | 102 | 8. | * | 1 | 1235 | 152 | 0. |
| 1 | 0010 | 3  | 0.  | * | 1 | 0420 | 53 | 81. | * | 1 | 0830 | 103 | 7. | * | 1 | 1240 | 153 | 0. |
| 1 | 0015 | 4  | 0.  | * | 1 | 0425 | 54 | 85. | * | 1 | 0835 | 104 | 6. | * | 1 | 1245 | 154 | 0. |
| 1 | 0020 | 5  | 1.  | * | 1 | 0430 | 55 | 87. | * | 1 | 0840 | 105 | 5. | * | 1 | 1250 | 155 | 0. |
| 1 | 0025 | 6  | 1.  | * | 1 | 0435 | 56 | 89. | * | 1 | 0845 | 106 | 5. | * | 1 | 1255 | 156 | 0. |
| 1 | 0030 | 7  | 2.  | * | 1 | 0440 | 57 | 91. | * | 1 | 0850 | 107 | 4. | * | 1 | 1300 | 157 | 0. |
| 1 | 0035 | 8  | 3.  | * | 1 | 0445 | 58 | 92. | * | 1 | 0855 | 108 | 3. | * | 1 | 1305 | 158 | 0. |
| 1 | 0040 | 9  | 4.  | * | 1 | 0450 | 59 | 93. | * | 1 | 0900 | 109 | 3. | * | 1 | 1310 | 159 | 0. |
| 1 | 0045 | 10 | 5.  | * | 1 | 0455 | 60 | 94. | * | 1 | 0905 | 110 | 3. | * | 1 | 1315 | 160 | 0. |
| 1 | 0050 | 11 | 6.  | * | 1 | 0500 | 61 | 94. | * | 1 | 0910 | 111 | 2. | * | 1 | 1320 | 161 | 0. |
| 1 | 0055 | 12 | 7.  | * | 1 | 0505 | 62 | 95. | * | 1 | 0915 | 112 | 2. | * | 1 | 1325 | 162 | 0. |
| 1 | 0100 | 13 | 8.  | * | 1 | 0510 | 63 | 96. | * | 1 | 0920 | 113 | 2. | * | 1 | 1330 | 163 | 0. |
| 1 | 0105 | 14 | 9.  | * | 1 | 0515 | 64 | 97. | * | 1 | 0925 | 114 | 1. | * | 1 | 1335 | 164 | 0. |
| 1 | 0110 | 15 | 11. | * | 1 | 0520 | 65 | 98. | * | 1 | 0930 | 115 | 1. | * | 1 | 1340 | 165 | 0. |
| 1 | 0115 | 16 | 13. | * | 1 | 0525 | 66 | 98. | * | 1 | 0935 | 116 | 1. | * | 1 | 1345 | 166 | 0. |
| 1 | 0120 | 17 | 15. | * | 1 | 0530 | 67 | 97. | * | 1 | 0940 | 117 | 1. | * | 1 | 1350 | 167 | 0. |
| 1 | 0125 | 18 | 17. | * | 1 | 0535 | 68 | 96. | * | 1 | 0945 | 118 | 1. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 18. | * | 1 | 0540 | 69 | 95. | * | 1 | 0950 | 119 | 1. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 20. | * | 1 | 0545 | 70 | 93. | * | 1 | 0955 | 120 | 1. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 22. | * | 1 | 0550 | 71 | 92. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 23. | * | 1 | 0555 | 72 | 90. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 24. | * | 1 | 0600 | 73 | 88. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 25. | * | 1 | 0605 | 74 | 86. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 26. | * | 1 | 0610 | 75 | 84. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 26. | * | 1 | 0615 | 76 | 81. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 27. | * | 1 | 0620 | 77 | 78. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 27. | * | 1 | 0625 | 78 | 75. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 27. | * | 1 | 0630 | 79 | 72. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 28. | * | 1 | 0635 | 80 | 68. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 28. | * | 1 | 0640 | 81 | 64. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 28. | * | 1 | 0645 | 82 | 60. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 29. | * | 1 | 0650 | 83 | 55. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 29. | * | 1 | 0655 | 84 | 51. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 30. | * | 1 | 0700 | 85 | 47. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 30. | * | 1 | 0705 | 86 | 43. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 31. | * | 1 | 0710 | 87 | 39. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |



|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0305 | 38 | 31. | * | 1 | 0715 | 88  | 36. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 32. | * | 1 | 0720 | 89  | 33. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 32. | * | 1 | 0725 | 90  | 30. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 33. | * | 1 | 0730 | 91  | 28. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 34. | * | 1 | 0735 | 92  | 25. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 35. | * | 1 | 0740 | 93  | 23. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 38. | * | 1 | 0745 | 94  | 21. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 41. | * | 1 | 0750 | 95  | 19. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 45. | * | 1 | 0755 | 96  | 17. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 50. | * | 1 | 0800 | 97  | 15. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 55. | * | 1 | 0805 | 98  | 13. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 62. | * | 1 | 0810 | 99  | 12. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 68. | * | 1 | 0815 | 100 | 11. | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     | *   |   |   | *    |     |    |   |   |      |     |    |

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712

| PEAK FLOW | TIME     | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|----------|----------------------|-------|-------|----------|
|           |          | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)     |                      |       |       |          |
|           | (CFS)    |                      |       |       |          |
| + 98.     | 5.42     | 58.                  | 23.   | 23.   | 23.      |
|           | (INCHES) | .007                 | .007  | .007  | .007     |
|           | (AC-FT)  | 29.                  | 31.   | 31.   | 31.      |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .38

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|   | *<br>DA | *<br>MON | *<br>HRMN | *<br>ORD | * | FLOW | *<br>* | *<br>DA | *<br>MON | *<br>HRMN | *<br>ORD | *   | FLOW | *<br>* | *<br>DA | *<br>MON | *<br>HRMN | *<br>ORD | * | FLOW | *<br>* | *<br>DA | *<br>MON | *<br>HRMN | *<br>ORD | * | FLOW |  |
|---|---------|----------|-----------|----------|---|------|--------|---------|----------|-----------|----------|-----|------|--------|---------|----------|-----------|----------|---|------|--------|---------|----------|-----------|----------|---|------|--|
| 1 | 0000    | 1        | 0.        | *        | 1 | 0410 | 51     | 42.     | *        | 1         | 0820     | 101 | 8.   | *      | 1       | 1230     | 151       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0005    | 2        | 0.        | *        | 1 | 0415 | 52     | 44.     | *        | 1         | 0825     | 102 | 7.   | *      | 1       | 1235     | 152       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0010    | 3        | 0.        | *        | 1 | 0420 | 53     | 47.     | *        | 1         | 0830     | 103 | 6.   | *      | 1       | 1240     | 153       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0015    | 4        | 0.        | *        | 1 | 0425 | 54     | 49.     | *        | 1         | 0835     | 104 | 5.   | *      | 1       | 1245     | 154       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0020    | 5        | 1.        | *        | 1 | 0430 | 55     | 52.     | *        | 1         | 0840     | 105 | 5.   | *      | 1       | 1250     | 155       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0025    | 6        | 1.        | *        | 1 | 0435 | 56     | 54.     | *        | 1         | 0845     | 106 | 4.   | *      | 1       | 1255     | 156       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0030    | 7        | 2.        | *        | 1 | 0440 | 57     | 56.     | *        | 1         | 0850     | 107 | 3.   | *      | 1       | 1300     | 157       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0035    | 8        | 2.        | *        | 1 | 0445 | 58     | 58.     | *        | 1         | 0855     | 108 | 3.   | *      | 1       | 1305     | 158       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0040    | 9        | 3.        | *        | 1 | 0450 | 59     | 59.     | *        | 1         | 0900     | 109 | 3.   | *      | 1       | 1310     | 159       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0045    | 10       | 4.        | *        | 1 | 0455 | 60     | 60.     | *        | 1         | 0905     | 110 | 2.   | *      | 1       | 1315     | 160       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0050    | 11       | 5.        | *        | 1 | 0500 | 61     | 61.     | *        | 1         | 0910     | 111 | 2.   | *      | 1       | 1320     | 161       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0055    | 12       | 6.        | *        | 1 | 0505 | 62     | 61.     | *        | 1         | 0915     | 112 | 2.   | *      | 1       | 1325     | 162       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0100    | 13       | 7.        | *        | 1 | 0510 | 63     | 61.     | *        | 1         | 0920     | 113 | 1.   | *      | 1       | 1330     | 163       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0105    | 14       | 8.        | *        | 1 | 0515 | 64     | 61.     | *        | 1         | 0925     | 114 | 1.   | *      | 1       | 1335     | 164       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0110    | 15       | 9.        | *        | 1 | 0520 | 65     | 61.     | *        | 1         | 0930     | 115 | 1.   | *      | 1       | 1340     | 165       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0115    | 16       | 11.       | *        | 1 | 0525 | 66     | 60.     | *        | 1         | 0935     | 116 | 1.   | *      | 1       | 1345     | 166       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0120    | 17       | 13.       | *        | 1 | 0530 | 67     | 60.     | *        | 1         | 0940     | 117 | 1.   | *      | 1       | 1350     | 167       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0125    | 18       | 14.       | *        | 1 | 0535 | 68     | 59.     | *        | 1         | 0945     | 118 | 1.   | *      | 1       | 1355     | 168       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0130    | 19       | 16.       | *        | 1 | 0540 | 69     | 59.     | *        | 1         | 0950     | 119 | 1.   | *      | 1       | 1400     | 169       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0135    | 20       | 17.       | *        | 1 | 0545 | 70     | 58.     | *        | 1         | 0955     | 120 | 0.   | *      | 1       | 1405     | 170       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0140    | 21       | 19.       | *        | 1 | 0550 | 71     | 58.     | *        | 1         | 1000     | 121 | 0.   | *      | 1       | 1410     | 171       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0145    | 22       | 20.       | *        | 1 | 0555 | 72     | 57.     | *        | 1         | 1005     | 122 | 0.   | *      | 1       | 1415     | 172       | 0.       |   |      |        |         |          |           |          |   |      |  |
| 1 | 0150    | 23       | 21.       | *        | 1 | 0600 | 73     | 57.     | *        | 1         | 1010     | 123 | 0.   | *      | 1       | 1420</   |           |          |   |      |        |         |          |           |          |   |      |  |

|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0235 | 32 | 25. | * | 1 | 0645 | 82  | 40. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 25. | * | 1 | 0650 | 83  | 38. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 25. | * | 1 | 0655 | 84  | 35. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 26. | * | 1 | 0700 | 85  | 33. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 26. | * | 1 | 0705 | 86  | 30. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 27. | * | 1 | 0710 | 87  | 28. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 27. | * | 1 | 0715 | 88  | 26. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 28. | * | 1 | 0720 | 89  | 24. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 28. | * | 1 | 0725 | 90  | 23. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 29. | * | 1 | 0730 | 91  | 21. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 29. | * | 1 | 0735 | 92  | 19. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 30. | * | 1 | 0740 | 93  | 18. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 31. | * | 1 | 0745 | 94  | 16. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 32. | * | 1 | 0750 | 95  | 15. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 33. | * | 1 | 0755 | 96  | 14. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 34. | * | 1 | 0800 | 97  | 12. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 36. | * | 1 | 0805 | 98  | 11. | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 38. | * | 1 | 0810 | 99  | 10. | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 40. | * | 1 | 0815 | 100 | 9.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|                      | (CFS)        |                      |       |       |          |
| +                    | 61. 5.17     | 39.                  | 16.   | 16.   | 16.      |
|                      | (INCHES)     | .004                 | .005  | .005  | .005     |
|                      | (AC-FT)      | 19.                  | 21.   | 21.   | 21.      |

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1, RATIO = .32

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715

| *<br>DA MON HRMN ORD |      |    |     | *<br>FLOW |      |    |     | *<br>DA MON HRMN ORD |      |     |    | *<br>FLOW |      |     |    | *<br>DA MON HRMN ORD |  |  |  | *<br>FLOW |  |  |  |
|----------------------|------|----|-----|-----------|------|----|-----|----------------------|------|-----|----|-----------|------|-----|----|----------------------|--|--|--|-----------|--|--|--|
| 1                    | 0000 | 1  | 0.  | * 1       | 0410 | 51 | 35. | * 1                  | 0820 | 101 | 6. | * 1       | 1230 | 151 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0005 | 2  | 0.  | * 1       | 0415 | 52 | 37. | * 1                  | 0825 | 102 | 6. | * 1       | 1235 | 152 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0010 | 3  | 0.  | * 1       | 0420 | 53 | 39. | * 1                  | 0830 | 103 | 5. | * 1       | 1240 | 153 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0015 | 4  | 0.  | * 1       | 0425 | 54 | 41. | * 1                  | 0835 | 104 | 4. | * 1       | 1245 | 154 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0020 | 5  | 0.  | * 1       | 0430 | 55 | 43. | * 1                  | 0840 | 105 | 4. | * 1       | 1250 | 155 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0025 | 6  | 1.  | * 1       | 0435 | 56 | 45. | * 1                  | 0845 | 106 | 3. | * 1       | 1255 | 156 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0030 | 7  | 1.  | * 1       | 0440 | 57 | 47. | * 1                  | 0850 | 107 | 3. | * 1       | 1300 | 157 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0035 | 8  | 2.  | * 1       | 0445 | 58 | 49. | * 1                  | 0855 | 108 | 2. | * 1       | 1305 | 158 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0040 | 9  | 3.  | * 1       | 0450 | 59 | 50. | * 1                  | 0900 | 109 | 2. | * 1       | 1310 | 159 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0045 | 10 | 3.  | * 1       | 0455 | 60 | 51. | * 1                  | 0905 | 110 | 2. | * 1       | 1315 | 160 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0050 | 11 | 4.  | * 1       | 0500 | 61 | 51. | * 1                  | 0910 | 111 | 2. | * 1       | 1320 | 161 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0055 | 12 | 5.  | * 1       | 0505 | 62 | 52. | * 1                  | 0915 | 112 | 1. | * 1       | 1325 | 162 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0100 | 13 | 6.  | * 1       | 0510 | 63 | 52. | * 1                  | 0920 | 113 | 1. | * 1       | 1330 | 163 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0105 | 14 | 7.  | * 1       | 0515 | 64 | 51. | * 1                  | 0925 | 114 | 1. | * 1       | 1335 | 164 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0110 | 15 | 8.  | * 1       | 0520 | 65 | 51. | * 1                  | 0930 | 115 | 1. | * 1       | 1340 | 165 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0115 | 16 | 9.  | * 1       | 0525 | 66 | 51. | * 1                  | 0935 | 116 | 1. | * 1       | 1345 | 166 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0120 | 17 | 11. | * 1       | 0530 | 67 | 50. | * 1                  | 0940 | 117 | 1. | * 1       | 1350 | 167 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0125 | 18 | 12. | * 1       | 0535 | 68 | 50. | * 1                  | 0945 | 118 | 1. | * 1       | 1355 | 168 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0130 | 19 | 13. | * 1       | 0540 | 69 | 49. | * 1                  | 0950 | 119 | 0. | * 1       | 1400 | 169 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0135 | 20 | 15. | * 1       | 0545 | 70 | 49. | * 1                  | 0955 | 120 | 0. | * 1       | 1405 | 170 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0140 | 21 | 16. | * 1       | 0550 | 71 | 49. | * 1                  | 1000 | 121 | 0. | * 1       | 1410 | 171 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0145 | 22 | 17. | * 1       | 0555 | 72 | 48. | * 1                  | 1005 | 122 | 0. | * 1       | 1415 | 172 | 0. |                      |  |  |  |           |  |  |  |
| 1                    | 0150 | 23 | 17. | * 1       | 0600 | 73 | 48. | * 1                  | 1010 | 123 | 0. | * 1       | 1420 | 173 | 0. |                      |  |  |  |           |  |  |  |

|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0155 | 24 | 18. | * | 1 | 0605 | 74  | 47. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 19. | * | 1 | 0610 | 75  | 46. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 19. | * | 1 | 0615 | 76  | 45. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 19. | * | 1 | 0620 | 77  | 44. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 20. | * | 1 | 0625 | 78  | 42. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 20. | * | 1 | 0630 | 79  | 40. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 20. | * | 1 | 0635 | 80  | 38. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 20. | * | 1 | 0640 | 81  | 36. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 21. | * | 1 | 0645 | 82  | 34. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 21. | * | 1 | 0650 | 83  | 32. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 21. | * | 1 | 0655 | 84  | 30. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 22. | * | 1 | 0700 | 85  | 28. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 22. | * | 1 | 0705 | 86  | 26. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 22. | * | 1 | 0710 | 87  | 24. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 23. | * | 1 | 0715 | 88  | 22. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 23. | * | 1 | 0720 | 89  | 21. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 24. | * | 1 | 0725 | 90  | 19. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 24. | * | 1 | 0730 | 91  | 18. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 24. | * | 1 | 0735 | 92  | 16. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 25. | * | 1 | 0740 | 93  | 15. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 26. | * | 1 | 0745 | 94  | 14. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 27. | * | 1 | 0750 | 95  | 13. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 28. | * | 1 | 0755 | 96  | 11. | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 29. | * | 1 | 0800 | 97  | 10. | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 30. | * | 1 | 0805 | 98  | 9.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 32. | * | 1 | 0810 | 99  | 8.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 33. | * | 1 | 0815 | 100 | 7.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     | *   |   |   | *    |     |    |   |   |      |     |    |

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| PEAK FLOW | TIME  | MAXIMUM AVERAGE FLOW |       |       |          |
|-----------|-------|----------------------|-------|-------|----------|
|           |       | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
| + (CFS)   | (HR)  |                      |       |       |          |
|           | (CFS) |                      |       |       |          |
| + 52.     | 5.17  | 33.                  | 13.   | 13.   | 13.      |

(INCHES) .004 .004 .004 .004  
 (AC-FT) 16. 18. 18. 18.

CUMULATIVE AREA = 82.15 SQ MI

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HYDROGRAPH AT STATION COut  
 SUM OF 4 HYDROGRAPHS  
 PLAN 1, RATIO = .26

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717

| *<br>DA MON HRMN ORD |      |    |    |   | *<br>FLOW * DA MON HRMN ORD |      |    |     |   | *<br>FLOW * DA MON HRMN ORD |      |     |    |   | *<br>FLOW * DA MON HRMN ORD |      |     |    |  | *<br>FLOW * DA MON HRMN ORD |  |  |  |  |  |
|----------------------|------|----|----|---|-----------------------------|------|----|-----|---|-----------------------------|------|-----|----|---|-----------------------------|------|-----|----|--|-----------------------------|--|--|--|--|--|
| *                    |      |    |    |   | *                           |      |    |     |   | *                           |      |     |    |   | *                           |      |     |    |  | *                           |  |  |  |  |  |
| 1                    | 0000 | 1  | 0. | * | 1                           | 0410 | 51 | 28. | * | 1                           | 0820 | 101 | 5. | * | 1                           | 1230 | 151 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0005 | 2  | 0. | * | 1                           | 0415 | 52 | 30. | * | 1                           | 0825 | 102 | 5. | * | 1                           | 1235 | 152 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0010 | 3  | 0. | * | 1                           | 0420 | 53 | 32. | * | 1                           | 0830 | 103 | 4. | * | 1                           | 1240 | 153 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0015 | 4  | 0. | * | 1                           | 0425 | 54 | 34. | * | 1                           | 0835 | 104 | 4. | * | 1                           | 1245 | 154 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0020 | 5  | 0. | * | 1                           | 0430 | 55 | 35. | * | 1                           | 0840 | 105 | 3. | * | 1                           | 1250 | 155 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0025 | 6  | 1. | * | 1                           | 0435 | 56 | 37. | * | 1                           | 0845 | 106 | 3. | * | 1                           | 1255 | 156 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0030 | 7  | 1. | * | 1                           | 0440 | 57 | 38. | * | 1                           | 0850 | 107 | 2. | * | 1                           | 1300 | 157 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0035 | 8  | 2. | * | 1                           | 0445 | 58 | 40. | * | 1                           | 0855 | 108 | 2. | * | 1                           | 1305 | 158 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0040 | 9  | 2. | * | 1                           | 0450 | 59 | 41. | * | 1                           | 0900 | 109 | 2. | * | 1                           | 1310 | 159 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0045 | 10 | 3. | * | 1                           | 0455 | 60 | 41. | * | 1                           | 0905 | 110 | 1. | * | 1                           | 1315 | 160 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0050 | 11 | 3. | * | 1                           | 0500 | 61 | 42. | * | 1                           | 0910 | 111 | 1. | * | 1                           | 1320 | 161 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0055 | 12 | 4. | * | 1                           | 0505 | 62 | 42. | * | 1                           | 0915 | 112 | 1. | * | 1                           | 1325 | 162 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0100 | 13 | 5. | * | 1                           | 0510 | 63 | 42. | * | 1                           | 0920 | 113 | 1. | * | 1                           | 1330 | 163 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0105 | 14 | 6. | * | 1                           | 0515 | 64 | 42. | * | 1                           | 0925 | 114 | 1. | * | 1                           | 1335 | 164 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0110 | 15 | 6. | * | 1                           | 0520 | 65 | 42. | * | 1                           | 0930 | 115 | 1. | * | 1                           | 1340 | 165 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0115 | 16 | 8. | * | 1                           | 0525 | 66 | 41. | * | 1                           | 0935 | 116 | 1. | * | 1                           | 1345 | 166 | 0. |  |                             |  |  |  |  |  |
| 1                    | 0120 | 17 | 9. | * | 1                           | 0530 | 67 | 41. | * | 1                           | 0940 | 117 | 0. | * | 1                           | 1350 | 167 | 0. |  |                             |  |  |  |  |  |

|   |      |    |     |   |   |      |     |     |   |   |      |     |    |   |   |      |     |    |
|---|------|----|-----|---|---|------|-----|-----|---|---|------|-----|----|---|---|------|-----|----|
| 1 | 0125 | 18 | 10. | * | 1 | 0535 | 68  | 40. | * | 1 | 0945 | 118 | 0. | * | 1 | 1355 | 168 | 0. |
| 1 | 0130 | 19 | 11. | * | 1 | 0540 | 69  | 40. | * | 1 | 0950 | 119 | 0. | * | 1 | 1400 | 169 | 0. |
| 1 | 0135 | 20 | 12. | * | 1 | 0545 | 70  | 40. | * | 1 | 0955 | 120 | 0. | * | 1 | 1405 | 170 | 0. |
| 1 | 0140 | 21 | 13. | * | 1 | 0550 | 71  | 40. | * | 1 | 1000 | 121 | 0. | * | 1 | 1410 | 171 | 0. |
| 1 | 0145 | 22 | 13. | * | 1 | 0555 | 72  | 39. | * | 1 | 1005 | 122 | 0. | * | 1 | 1415 | 172 | 0. |
| 1 | 0150 | 23 | 14. | * | 1 | 0600 | 73  | 39. | * | 1 | 1010 | 123 | 0. | * | 1 | 1420 | 173 | 0. |
| 1 | 0155 | 24 | 15. | * | 1 | 0605 | 74  | 38. | * | 1 | 1015 | 124 | 0. | * | 1 | 1425 | 174 | 0. |
| 1 | 0200 | 25 | 15. | * | 1 | 0610 | 75  | 38. | * | 1 | 1020 | 125 | 0. | * | 1 | 1430 | 175 | 0. |
| 1 | 0205 | 26 | 15. | * | 1 | 0615 | 76  | 37. | * | 1 | 1025 | 126 | 0. | * | 1 | 1435 | 176 | 0. |
| 1 | 0210 | 27 | 16. | * | 1 | 0620 | 77  | 35. | * | 1 | 1030 | 127 | 0. | * | 1 | 1440 | 177 | 0. |
| 1 | 0215 | 28 | 16. | * | 1 | 0625 | 78  | 34. | * | 1 | 1035 | 128 | 0. | * | 1 | 1445 | 178 | 0. |
| 1 | 0220 | 29 | 16. | * | 1 | 0630 | 79  | 33. | * | 1 | 1040 | 129 | 0. | * | 1 | 1450 | 179 | 0. |
| 1 | 0225 | 30 | 16. | * | 1 | 0635 | 80  | 31. | * | 1 | 1045 | 130 | 0. | * | 1 | 1455 | 180 | 0. |
| 1 | 0230 | 31 | 17. | * | 1 | 0640 | 81  | 29. | * | 1 | 1050 | 131 | 0. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 17. | * | 1 | 0645 | 82  | 28. | * | 1 | 1055 | 132 | 0. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 17. | * | 1 | 0650 | 83  | 26. | * | 1 | 1100 | 133 | 0. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 17. | * | 1 | 0655 | 84  | 24. | * | 1 | 1105 | 134 | 0. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 18. | * | 1 | 0700 | 85  | 22. | * | 1 | 1110 | 135 | 0. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 18. | * | 1 | 0705 | 86  | 21. | * | 1 | 1115 | 136 | 0. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 18. | * | 1 | 0710 | 87  | 19. | * | 1 | 1120 | 137 | 0. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 19. | * | 1 | 0715 | 88  | 18. | * | 1 | 1125 | 138 | 0. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 19. | * | 1 | 0720 | 89  | 17. | * | 1 | 1130 | 139 | 0. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 19. | * | 1 | 0725 | 90  | 15. | * | 1 | 1135 | 140 | 0. | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 20. | * | 1 | 0730 | 91  | 14. | * | 1 | 1140 | 141 | 0. | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 20. | * | 1 | 0735 | 92  | 13. | * | 1 | 1145 | 142 | 0. | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 20. | * | 1 | 0740 | 93  | 12. | * | 1 | 1150 | 143 | 0. | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 21. | * | 1 | 0745 | 94  | 11. | * | 1 | 1155 | 144 | 0. | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 22. | * | 1 | 0750 | 95  | 10. | * | 1 | 1200 | 145 | 0. | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 23. | * | 1 | 0755 | 96  | 9.  | * | 1 | 1205 | 146 | 0. | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 23. | * | 1 | 0800 | 97  | 8.  | * | 1 | 1210 | 147 | 0. | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 25. | * | 1 | 0805 | 98  | 8.  | * | 1 | 1215 | 148 | 0. | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 26. | * | 1 | 0810 | 99  | 7.  | * | 1 | 1220 | 149 | 0. | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 27. | * | 1 | 0815 | 100 | 6.  | * | 1 | 1225 | 150 | 0. | * | 1 | 1635 | 200 | 0. |
|   |      |    | *   |   |   | *    |     |     |   |   | *    |     |    |   |   |      |     |    |

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|  | PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|--|----------------------|--------------|----------------------|-------|-------|----------|
|  |                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|  | 42.                  | 5.17         | 27.                  | 11.   | 11.   | 11.      |
|  |                      | (INCHES)     | .003                 | .003  | .003  | .003     |
|  |                      | (AC-FT)      | 13.                  | 15.   | 15.   | 15.      |

CUMULATIVE AREA = 82.15 SQ MI

1

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS  
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES  
 TIME TO PEAK IN HOURS

719

| OPERATION | STATION | AREA | PLAN | RATIOS APPLIED TO PRECIPITATION |         |         |         |         |
|-----------|---------|------|------|---------------------------------|---------|---------|---------|---------|
|           |         |      |      | RATIO 1                         | RATIO 2 | RATIO 3 | RATIO 4 | RATIO 5 |
|           |         | .62  | .44  | .38                             | .32     | .26     |         |         |

HYDROGRAPH AT

|   |       |      |   |      |      |      |      |      |     |
|---|-------|------|---|------|------|------|------|------|-----|
| + | WSage | 7.86 | 1 | FLOW | 670. | 39.  | 20.  | 17.  | 14. |
|   |       | TIME |   |      | 4.00 | 3.92 | 3.92 | 3.92 |     |

ROUTED TO

|   |        |      |   |      |      |      |      |      |     |
|---|--------|------|---|------|------|------|------|------|-----|
| + | RWsage | 7.86 | 1 | FLOW | 532. | 33.  | 18.  | 15.  | 12. |
|   |        | TIME |   |      | 5.08 | 5.00 | 5.00 | 5.00 |     |

HYDROGRAPH AT

|   |      |       |   |      |      |      |      |      |    |
|---|------|-------|---|------|------|------|------|------|----|
| + | RFan | 12.56 | 1 | FLOW | 376. | 8.   | 7.   | 6.   | 5. |
|   |      | TIME  |   |      | 4.67 | 4.58 | 4.58 | 4.58 |    |

HYDROGRAPH AT

|   |       |       |   |      |      |      |      |      |     |
|---|-------|-------|---|------|------|------|------|------|-----|
| + | NWest | 12.27 | 1 | FLOW | 935. | 49.  | 19.  | 16.  | 13. |
|   |       | TIME  |   |      | 4.08 | 4.00 | 4.00 | 4.00 |     |



## 3 COMBINED AT

|   |       |       |   |      |       |      |      |      |     |
|---|-------|-------|---|------|-------|------|------|------|-----|
| + | CRfan | 32.69 | 1 | FLOW | 1209. | 64.  | 35.  | 29.  | 24. |
|   |       | TIME  |   |      | 4.17  | 5.00 | 5.00 | 5.00 |     |

## ROUTED TO

|   |        |       |   |      |       |      |      |      |     |
|---|--------|-------|---|------|-------|------|------|------|-----|
| + | RCRfan | 32.69 | 1 | FLOW | 1113. | 59.  | 34.  | 29.  | 23. |
|   |        | TIME  |   |      | 5.25  | 5.83 | 5.83 | 5.83 |     |

## HYDROGRAPH AT

|   |       |      |   |      |      |      |      |      |    |
|---|-------|------|---|------|------|------|------|------|----|
| + | WCent | 9.40 | 1 | FLOW | 910. | 17.  | 13.  | 11.  | 9. |
|   |       | TIME |   |      | 3.83 | 3.83 | 3.83 | 3.83 |    |

## ROUTED TO

|   |         |      |   |      |      |      |      |      |    |
|---|---------|------|---|------|------|------|------|------|----|
| + | RCWCent | 9.40 | 1 | FLOW | 762. | 15.  | 12.  | 10.  | 8. |
|   |         | TIME |   |      | 4.33 | 4.25 | 4.25 | 4.25 |    |

## HYDROGRAPH AT

|   |        |       |   |      |      |      |      |      |    |
|---|--------|-------|---|------|------|------|------|------|----|
| + | Fplain | 10.61 | 1 | FLOW | 328. | 7.   | 6.   | 5.   | 4. |
|   |        | TIME  |   |      | 4.33 | 4.25 | 4.25 | 4.25 |    |

## 3 COMBINED AT

|   |         |       |   |      |       |      |      |      |      |
|---|---------|-------|---|------|-------|------|------|------|------|
| + | CFplain | 52.71 | 1 | FLOW | 1369. | 71.  | 43.  | 36.  | 29.  |
|   |         | TIME  |   |      | 4.92  | 5.25 | 5.58 | 5.58 | 5.58 |

## ROUTED TO

|   |          |       |   |      |       |      |      |      |      |
|---|----------|-------|---|------|-------|------|------|------|------|
| + | RCFplain | 52.71 | 1 | FLOW | 1357. | 70.  | 42.  | 35.  | 29.  |
|   |          | TIME  |   |      | 5.33  | 5.75 | 6.00 | 6.00 | 6.00 |

## HYDROGRAPH AT

|   |      |      |   |      |      |      |      |      |      |
|---|------|------|---|------|------|------|------|------|------|
| + | SCen | 7.56 | 1 | FLOW | 413. | 6.   | 5.   | 5.   | 4.   |
|   |      | TIME |   |      | 4.08 | 4.00 | 4.00 | 4.00 | 4.00 |

## HYDROGRAPH AT

|   |      |       |   |      |      |      |      |      |     |
|---|------|-------|---|------|------|------|------|------|-----|
| + | HVal | 11.14 | 1 | FLOW | 353. | 20.  | 18.  | 15.  | 12. |
|   |      | TIME  |   |      | 4.25 | 4.25 | 4.25 | 4.25 |     |

## ROUTED TO

|   |       |       |   |      |      |      |      |      |      |
|---|-------|-------|---|------|------|------|------|------|------|
| + | RHval | 11.14 | 1 | FLOW | 322. | 19.  | 17.  | 14.  | 11.  |
|   |       | TIME  |   |      | 5.08 | 5.00 | 5.00 | 5.00 | 5.00 |

## HYDROGRAPH AT

|   |      |       |   |      |      |      |      |      |      |
|---|------|-------|---|------|------|------|------|------|------|
| + | SOct | 10.75 | 1 | FLOW | 617. | 34.  | 6.   | 5.   | 4.   |
|   |      | TIME  |   |      | 4.33 | 4.33 | 4.25 | 4.25 | 4.25 |

## 4 COMBINED AT

|   |      |       |   |      |       |      |      |      |      |
|---|------|-------|---|------|-------|------|------|------|------|
| + | COut | 82.15 | 1 | FLOW | 2015. | 98.  | 61.  | 52.  | 42.  |
|   |      | TIME  |   |      | 4.83  | 5.42 | 5.17 | 5.17 | 5.17 |

## HYDROGRAPH AT

|   |       |      |   |      |      |      |      |      |      |
|---|-------|------|---|------|------|------|------|------|------|
| + | SEast | 3.71 | 1 | FLOW | 319. | 10.  | 8.   | 7.   | 6.   |
|   |       | TIME |   |      | 3.92 | 3.83 | 3.83 | 3.83 | 3.83 |

## HYDROGRAPH AT

|   |       |      |   |      |      |      |      |      |      |
|---|-------|------|---|------|------|------|------|------|------|
| + | SWest | 2.16 | 1 | FLOW | 250. | 7.   | 6.   | 5.   | 4.   |
|   |       | TIME |   |      | 3.67 | 3.67 | 3.67 | 3.67 | 3.67 |

## 3 COMBINED AT

|   |        |       |   |      |       |      |      |      |      |
|---|--------|-------|---|------|-------|------|------|------|------|
| + | CTotal | 88.02 | 1 | FLOW | 2045. | 103. | 68.  | 57.  | 46.  |
|   |        | TIME  |   |      | 4.83  | 5.17 | 5.00 | 5.00 | 5.00 |

\*\*\* NORMAL END OF HEC-1 \*\*\*

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1*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998   *
*   VERSION 4.1   *
* RUN DATE 09AUG10 TIME 16:48:48 *
*
*****

*****
*
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
*   609 SECOND STREET   *
* DAVIS, CALIFORNIA 95616 *
*   (916) 756-1104   *
*
*****

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X  X XXXXXXXX XXXXX  X
X  X X  X  X  XX
X  X X  X  X
XXXXXXXX XXXX  X  XXXXX X
X  X X  X  X
X  X X  X  X  X
X  X XXXXXXXX XXXXX  XXX

```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

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 NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,  
 DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION  
 KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

\*DIAGRAM

\*\*\* FREE \*\*\*

```

1 ID *****
2 ID * .....*
3 ID * : .....: *
4 ID * : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
5 ID * : OF ANTECEDENT MOISTURE CONTENT ON : *
6 ID * : MODEL-GENERATED RUNOFF : *
7 ID * : FROM A WATERSHED : *
8 ID * : .....: *
9 ID * : .....: *
10 ID * : RETURN PERIOD__ 100-YEAR : *
11 ID * : DISTRIBUTION__ 6-HOUR SDN 5 : *
12 ID * : FILENAME_____0.1Ks4.h1 : *
13 ID * : DATE_____08/09/10 : *
14 ID * : MODELED BY_____WJM : *
15 ID * : .....: *
16 ID *****
17 ID * : .....: *
18 ID * : 1. Total watershed area is 88 sq. mi. : *
19 ID * : 2. DARF is 0.62 for area : *
20 ID * : 3. 500 Year Precip. Value is 3.02 in. : *
21 ID * : 4. 500 Year DARF value 0.62 : *
22 ID * : 5. 100 Year DARF value 0.44 : *
23 ID * : 6. 50 Year DARF value 0.38 : *
24 ID * : 7. 25 Year DARF value 0.32 : *
25 ID * : 8. 10 Year DARF Value 0.26 : *
26 ID * : 9. 2 Year DARF Value 0.15 : *
27 ID * : 10. USBR Lag time : *
28 ID * : .....: *
29 ID *****
30 ID
31 IT 5 0000 300
32 IO 5
33 IN 5 0 0

```

34 JR PREC 0.44 0.62  
 35 KK WSage  
 36 KM White Sage Gap  
 37 BA 7.859  
 38 PB 3.02  
 39 PC 0.000 0.020 0.059 0.080 0.110 0.144 0.150 0.160 0.168 0.171  
 40 PC 0.180 0.182 0.187 0.190 0.197 0.202 0.210 0.220 0.230 0.241  
 41 PC 0.250 0.259 0.265 0.280 0.290 0.300 0.305 0.309 0.310 0.317  
 42 PC 0.321 0.327 0.333 0.346 0.361 0.381 0.408 0.430 0.477 0.514  
 43 PC 0.561 0.630 0.710 0.720 0.731 0.752 0.779 0.790 0.795 0.804  
 44 PC 0.810 0.820 0.826 0.840 0.859 0.889 0.910 0.938 0.966 0.970  
 45 PC 0.974 0.979 0.981 0.983 0.985 0.989 0.990 0.992 0.993 0.996  
 46 PC 0.997 0.999 1.000  
 47 KM Ia Deficit Cap Ks IMP  
 48 LG 0.046 0.271 1.426 0.0459 0.855  
 49 UD 0.60

\*

# HEC-1 INPUT

PAGE 2

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

50 KK RWsage  
 51 KM Route WSage through RFan  
 52 KM N K X  
 53 RM 12 1.03 0.15

\*

54 KK RFan  
 55 KM Red Alluvial Fan  
 56 BA 12.565  
 57 PB 3.02  
 58 KM Ia Deficit Cap Ks IMP  
 59 LG 0.038 0.274 1.695 0.0527 0.277  
 60 UD 1.19

\*

```

61    KK  NWest
62    KM  North west mountains
63    BA  12.269
64    PB  3.02
65    KM  Ia Deficit Cap Ks IMP
66    LG  0.036 0.266 1.526 0.0478 0.552
67    UD  0.67
    *

68    KK  CRfan
69    KM  Redfan concentration point
70    HC  3
    *

71    KK  RCRfan
72    KM  Route Redfan concentration point
73    KM  through channel at west side of floodplain
74    KM  N    K    X
75    RM  11   0.94 0.15
    *

76    KK  WCent
77    KM  West central mountains
78    BA  9.403
79    PB  3.02
80    KM  Ia Deficit Cap Ks IMP
81    LG  0.042 0.275 1.494 0.0477 0.407
82    UD  0.46
    *

83    KK  RCWCent
84    KM  Route CWCent along west side of floodplain
85    KM  N    K    X
86    RM  5    0.45 0.15
    *

```

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

|     |            |                                       |         |       |        |       |  |  |  |  |
|-----|------------|---------------------------------------|---------|-------|--------|-------|--|--|--|--|
| 87  | KK         | Fplain                                |         |       |        |       |  |  |  |  |
| 88  | KM         | Floodplain                            |         |       |        |       |  |  |  |  |
| 89  | BA         | 10.614                                |         |       |        |       |  |  |  |  |
| 90  | PB         | 3.02                                  |         |       |        |       |  |  |  |  |
| 91  | KM         | Ia                                    | Deficit | Cap   | Ks     | IMP   |  |  |  |  |
| 92  | LG         | 0.043                                 | 0.304   | 1.482 | 0.0541 | 0.245 |  |  |  |  |
| 93  | UD         | 0.92                                  |         |       |        |       |  |  |  |  |
|     | *          |                                       |         |       |        |       |  |  |  |  |
| 94  | KK         | CFplain                               |         |       |        |       |  |  |  |  |
| 95  | HC         | 3                                     |         |       |        |       |  |  |  |  |
|     | *          |                                       |         |       |        |       |  |  |  |  |
| 96  | KKRCFplain |                                       |         |       |        |       |  |  |  |  |
| 97  | KM         | Route Flood plain concentration point |         |       |        |       |  |  |  |  |
| 98  | KM         | N                                     | K       | X     |        |       |  |  |  |  |
| 99  | RM         | 5                                     | 0.44    | 0.15  |        |       |  |  |  |  |
|     | *          |                                       |         |       |        |       |  |  |  |  |
| 100 | KK         | SCen                                  |         |       |        |       |  |  |  |  |
| 101 | KM         | South central mountains               |         |       |        |       |  |  |  |  |
| 102 | BA         | 7.562                                 |         |       |        |       |  |  |  |  |
| 103 | PB         | 3.02                                  |         |       |        |       |  |  |  |  |
| 104 | KM         | Ia                                    | Deficit | Cap   | Ks     | IMP   |  |  |  |  |
| 105 | LG         | 0.041                                 | 0.292   | 1.547 | 0.0516 | 0.247 |  |  |  |  |
| 106 | UD         | 0.64                                  |         |       |        |       |  |  |  |  |
|     | *          |                                       |         |       |        |       |  |  |  |  |
| 107 | KK         | HVal                                  |         |       |        |       |  |  |  |  |
| 108 | KM         | High valley on east side of watershed |         |       |        |       |  |  |  |  |
| 109 | BA         | 11.137                                |         |       |        |       |  |  |  |  |
| 110 | PB         | 3.02                                  |         |       |        |       |  |  |  |  |
| 111 | KM         | Ia                                    | Deficit | Cap   | Ks     | IMP   |  |  |  |  |

112 LG 0.049 0.287 1.580 0.0555 0.630  
113 UD 0.86

\*

114 KK RHval  
115 KM Route High Valley basin  
116 KM N K X  
117 RM 9 0.75 0.15

\*

118 KK SOct  
119 KM South octagon area and east mountains  
120 BA 10.746  
121 PB 3.02  
122 KM Ia Deficit Cap Ks IMP  
123 LG 0.039 0.266 1.481 0.0467 0.246  
124 UD 0.92

\*

# HEC-1 INPUT

PAGE 4

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

125 KK COut  
126 KM KO 2  
127 HC 4

\*

128 KK SEast  
129 KM Southeast adjacent basin  
130 BA 3.707  
131 PB 3.02  
132 KM Ia Deficit Cap Ks IMP  
133 LG 0.044 0.277 1.559 0.0496 0.653  
134 UD 0.45

\*



135 KK SWest  
 136 KM South west adjacent basin  
 137 BA 2.156  
 138 PB 3.02  
 139 KM Ia Deficit Cap Ks IMP  
 140 LG 0.039 0.296 1.674 0.0547 0.680  
 141 UD 0.25  
 \*

142 KK CTotal  
 143 KM KO 2  
 144 HC 3  
 \*

145 ZZ

1

# SCHEMATIC DIAGRAM OF STREAM NETWORK

INPUT

LINE (V) ROUTING (--->) DIVERSION OR PUMP FLOW

NO. (.) CONNECTOR (<---) RETURN OF DIVERTED OR PUMPED FLOW

35 WSage  
     V  
     V  
 50 RWSage  
     .  
     .  
 54 . RFan  
     .  
     .  
 61 . . NWest  
     .  
     .  
 68 CRfan.....  
     V  
     V  
 71 RCRfan

728

|     |              |         |        |      |
|-----|--------------|---------|--------|------|
|     | .            |         |        |      |
|     | .            |         |        |      |
| 76  | .            | WCent   |        |      |
|     | .            | V       |        |      |
|     | .            | V       |        |      |
| 83  | .            | RCWCent |        |      |
|     | .            | .       |        |      |
|     | .            | .       |        |      |
| 87  | .            | .       | Fplain |      |
|     | .            | .       | .      |      |
|     | .            | .       | .      |      |
| 94  | CFplain..... |         |        |      |
|     | V            |         |        |      |
|     | V            |         |        |      |
| 96  | RCFplain     |         |        |      |
|     | .            |         |        |      |
|     | .            |         |        |      |
| 100 | .            | SCen    |        |      |
|     | .            | .       |        |      |
|     | .            | .       |        |      |
| 107 | .            | .       | HVal   |      |
|     | .            | .       | V      |      |
|     | .            | .       | V      |      |
| 114 | .            | .       | RHval  |      |
|     | .            | .       | .      |      |
|     | .            | .       | .      |      |
| 118 | .            | .       | .      | SOct |
|     | .            | .       | .      | .    |
|     | .            | .       | .      | .    |
| 125 | COut.....    |         |        |      |
|     | .            |         |        |      |
|     | .            |         |        |      |
| 128 | .            | SEast   |        |      |
|     | .            | .       |        |      |
|     | .            | .       |        |      |
| 135 | .            | .       | SWest  |      |
|     | .            | .       | .      |      |

142 CTotal.....

(\*\*\*) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****
*                                     *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998                        *
*   VERSION 4.1                     *
* RUN DATE 09AUG10 TIME 16:48:48 *
*                                     *
*****
*                                     *
* U.S. ARMY CORPS OF ENGINEERS    *
* HYDROLOGIC ENGINEERING CENTER   *
* 609 SECOND STREET                *
* DAVIS, CALIFORNIA 95616         *
* (916) 756-1104                  *
*                                     *
*****
```

730

```
*****
* .....*
* : :
* : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
* : OF ANTECEDENT MOISTURE CONTENT ON : *
* : MODEL-GENERATED RUNOFF : *
* : FROM A WATERSHED : *
* : :
* : .....*
* : RETURN PERIOD__ _ 100-YEAR : *
* : DISTRIBUTION___ _ 6-HOUR SDN 5 : *
* : FILENAME_____ 0.1Ks4.h1 : *
* : DATE_ _ _ _ _ 08/09/10 : *
* : MODELED BY_ _ _ _ _ WJM : *
* : .....*
*****
* : :
* : 1. Total watershed area is 88 sq. mi. : *
* : 2. DARF is 0.62 for area : *
```

```

* : 3. 500 Year Precip. Value is 3.02 in.      : *
* : 4. 500 Year DARF value 0.62                : *
* : 5. 100 Year DARF value 0.44                : *
* : 6. 50 Year DARF value 0.38                 : *
* : 7. 25 Year DARF value 0.32                 : *
* : 8. 10 Year DARF Value 0.26                 : *
* : 9. 2 Year DARF Value 0.15                  : *
* :10. USBR Lag time                           : *
* .....: *
*****

```

```

32 IO  OUTPUT CONTROL VARIABLES
      IPRNT    5 PRINT CONTROL
      IPLOT    0 PLOT CONTROL
      QSCAL    0. HYDROGRAPH PLOT SCALE

```

```

IT  HYDROGRAPH TIME DATA
    NMIN      5 MINUTES IN COMPUTATION INTERVAL
    IDATE     1 00 0 STARTING DATE
    ITIME     0300 STARTING TIME
    NQ        101 NUMBER OF HYDROGRAPH ORDINATES
    NDDATE    1 0 ENDING DATE
    NDTIME    1120 ENDING TIME
    ICENT     19 CENTURY MARK

```

```

COMPUTATION INTERVAL .08 HOURS
TOTAL TIME BASE 8.33 HOURS

```

```

ENGLISH UNITS
DRAINAGE AREA    SQUARE MILES
PRECIPITATION DEPTH INCHES
LENGTH, ELEVATION FEET
FLOW             CUBIC FEET PER SECOND
STORAGE VOLUME  ACRE-FEET
SURFACE AREA     ACRES
TEMPERATURE      DEGREES FAHRENHEIT

```

JP      MULTI-PLAN OPTION  
          NPLAN      1   NUMBER OF PLANS

JR      MULTI-RATIO OPTION  
          RATIOS OF PRECIPITATION  
          .44    .62

1

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS  
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES  
 TIME TO PEAK IN HOURS

| OPERATION | STATION | AREA | PLAN | RATIOS APPLIED TO PRECIPITATION | RATIO 1 | RATIO 2 |
|-----------|---------|------|------|---------------------------------|---------|---------|
|           |         | .44  | .62  |                                 |         |         |

732

|               |       |      |   |      |       |       |
|---------------|-------|------|---|------|-------|-------|
| HYDROGRAPH AT |       |      |   |      |       |       |
| +             | WSage | 7.86 | 1 | FLOW | 2269. | 3399. |
|               |       | TIME |   |      | 3.92  | 3.92  |

|           |        |      |   |      |       |       |
|-----------|--------|------|---|------|-------|-------|
| ROUTED TO |        |      |   |      |       |       |
| +         | RWsage | 7.86 | 1 | FLOW | 1953. | 2951. |
|           |        | TIME |   |      | 5.00  | 5.00  |

|               |      |       |   |      |       |       |
|---------------|------|-------|---|------|-------|-------|
| HYDROGRAPH AT |      |       |   |      |       |       |
| +             | RFan | 12.56 | 1 | FLOW | 2186. | 3434. |
|               |      | TIME  |   |      | 4.58  | 4.58  |

|               |       |       |   |      |       |       |
|---------------|-------|-------|---|------|-------|-------|
| HYDROGRAPH AT |       |       |   |      |       |       |
| +             | NWest | 12.27 | 1 | FLOW | 3284. | 4952. |
|               |       | TIME  |   |      | 4.00  | 4.00  |

|               |       |       |   |      |       |       |
|---------------|-------|-------|---|------|-------|-------|
| 3 COMBINED AT |       |       |   |      |       |       |
| +             | CRfan | 32.69 | 1 | FLOW | 5442. | 8508. |
|               |       | TIME  |   |      | 4.33  | 4.33  |

## ROUTED TO

|   |        |       |   |      |       |       |
|---|--------|-------|---|------|-------|-------|
| + | RCRfan | 32.69 | 1 | FLOW | 5361. | 8400. |
|   |        | TIME  |   |      | 5.67  | 5.67  |

## HYDROGRAPH AT

|   |      |      |   |      |       |       |
|---|------|------|---|------|-------|-------|
| + | WCen | 9.40 | 1 | FLOW | 3122. | 4658. |
|   |      | TIME |   |      | 3.83  | 3.83  |

## ROUTED TO

|   |        |      |   |      |       |       |
|---|--------|------|---|------|-------|-------|
| + | RCWCen | 9.40 | 1 | FLOW | 2800. | 4202. |
|   |        | TIME |   |      | 4.25  | 4.25  |

## HYDROGRAPH AT

|   |        |       |   |      |       |       |
|---|--------|-------|---|------|-------|-------|
| + | Fplain | 10.61 | 1 | FLOW | 2220. | 3442. |
|   |        | TIME  |   |      | 4.25  | 4.25  |

## 3 COMBINED AT

|   |         |       |   |      |       |        |
|---|---------|-------|---|------|-------|--------|
| + | CFplain | 52.71 | 1 | FLOW | 7748. | 12235. |
|   |         | TIME  |   |      | 5.42  | 5.42   |

## ROUTED TO

|   |          |       |   |      |       |        |
|---|----------|-------|---|------|-------|--------|
| + | RCFplain | 52.71 | 1 | FLOW | 7648. | 12088. |
|   |          | TIME  |   |      | 5.83  | 5.83   |

## HYDROGRAPH AT

|   |      |      |   |      |       |       |
|---|------|------|---|------|-------|-------|
| + | SCen | 7.56 | 1 | FLOW | 2036. | 3094. |
|   |      | TIME |   |      | 4.00  | 4.00  |

## HYDROGRAPH AT

|   |      |       |   |      |       |       |
|---|------|-------|---|------|-------|-------|
| + | HVal | 11.14 | 1 | FLOW | 2428. | 3761. |
|   |      | TIME  |   |      | 4.25  | 4.25  |

## ROUTED TO

|   |       |       |   |      |       |       |
|---|-------|-------|---|------|-------|-------|
| + | RHval | 11.14 | 1 | FLOW | 2260. | 3519. |
|   |       | TIME  |   |      | 5.00  | 5.00  |

## HYDROGRAPH AT

|   |      |       |   |      |       |       |
|---|------|-------|---|------|-------|-------|
| + | SOct | 10.75 | 1 | FLOW | 2351. | 3584. |
|   |      | TIME  |   |      | 4.25  | 4.25  |

## 4 COMBINED AT

|   |      |       |   |      |        |        |
|---|------|-------|---|------|--------|--------|
| + | COut | 82.15 | 1 | FLOW | 11672. | 18576. |
|   |      | TIME  |   |      | 5.08   | 5.08   |

## HYDROGRAPH AT

|   |       |      |   |      |       |       |
|---|-------|------|---|------|-------|-------|
| + | SEast | 3.71 | 1 | FLOW | 1230. | 1842. |
|   |       | TIME |   |      | 3.83  | 3.83  |

## HYDROGRAPH AT

|   |       |      |   |      |      |       |
|---|-------|------|---|------|------|-------|
| + | SWest | 2.16 | 1 | FLOW | 916. | 1365. |
|   |       | TIME |   |      | 3.67 | 3.67  |

## 3 COMBINED AT

|   |        |       |   |      |        |        |
|---|--------|-------|---|------|--------|--------|
| + | CTotal | 88.02 | 1 | FLOW | 12447. | 19819. |
|   |        | TIME  |   |      | 5.00   | 5.00   |

\*\*\* NORMAL END OF HEC-1 \*\*\*

```

1*****
*
* FLOOD HYDROGRAPH PACKAGE (HEC-1) *
*   JUN 1998   *
*   VERSION 4.1   *
*
* RUN DATE 27JUL10 TIME 16:35:14 *
*
*****

*****
*
* U.S. ARMY CORPS OF ENGINEERS *
* HYDROLOGIC ENGINEERING CENTER *
*   609 SECOND STREET   *
* DAVIS, CALIFORNIA 95616 *
*   (916) 756-1104   *
*
*****

```

```

X  X XXXXXXXX XXXXX  X
X  X X  X  X  XX
X  X X  X  X
XXXXXXXX XXXX  X  XXXXX X
X  X X  X  X
X  X X  X  X  X
X  X XXXXXXXX XXXXX  XXX

```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.

THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION  
 NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,  
 DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION  
 KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM



LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

\*DIAGRAM

\*\*\* FREE \*\*\*

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1 ID *****
2 ID * .....*
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4 ID * : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
5 ID * : OF ANTECEDENT MOISTURE CONTENT ON : *
6 ID * : MODEL-GENERATED RUNOFF : *
7 ID * : FROM AN ARID WATERSHED : *
8 ID * : .....: *
9 ID * : .....: *
10 ID * : RETURN PERIOD__ 100-YEAR : *
11 ID * : DISTRIBUTION__ 6-HOUR SDN 5 : *
12 ID * : FILENAME_____test2.3.h1 : *
13 ID * : DATE_____ 07/27/10 : *
14 ID * : MODELED BY_____ WJM : *
15 ID * : .....: *
16 ID *****
17 ID * : .....: *
18 ID * : 1. Total watershed area is 88 sq. mi. : *
19 ID * : 2. DARF is 0.62 for area : *
20 ID * : 3. 500 Year Precip. Value is 3.02 in. : *
21 ID * : 4. 500 Year DARF value 0.62 : *
22 ID * : 5. 100 Year DARF value 0.44 : *
23 ID * : 6. 50 Year DARF value 0.38 : *
24 ID * : 7. 25 Year DARF value 0.32 : *
25 ID * : 8. 10 Year DARF Value 0.26 : *
26 ID * : 9. 2 Year DARF Value 0.15 : *
27 ID * : 10. USBR Lag time : *
28 ID * : .....: *
29 ID *****
30 ID
31 IT 5 0000 000 200
32 IO 5
33 IN 5 0 0

```

```

34    JR  PREC  0.62

35    KK  WSage
36    KM  White Sage Gap
37    BA  7.859
38    PB  3.02
39    PC  0.000  0.020  0.059  0.080  0.110  0.144  0.150  0.160  0.168  0.171
40    PC  0.180  0.182  0.187  0.190  0.197  0.202  0.210  0.220  0.230  0.241
41    PC  0.250  0.259  0.265  0.280  0.290  0.300  0.305  0.309  0.310  0.317
42    PC  0.321  0.327  0.333  0.346  0.361  0.381  0.408  0.430  0.477  0.514
43    PC  0.561  0.630  0.710  0.720  0.731  0.752  0.779  0.790  0.795  0.804
44    PC  0.810  0.820  0.826  0.840  0.859  0.889  0.910  0.938  0.966  0.970
45    PC  0.974  0.979  0.981  0.983  0.985  0.989  0.990  0.992  0.993  0.996
46    PC  0.997  0.999  1.000
47    KM   Ia Deficit  Cap  Ks  IMP
48    LG  0.000  0.00  0.0  0.01  0.00
49    UD  0.60

```

\*

# HEC-1 INPUT

PAGE 2

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

```

50    KK  RWsage
51    KM  Route WSage through RFan
52    KM   N   K   X
53    RM  12  1.03  0.15

```

\*

```

54    KK  RFan
55    KM  Red Alluvial Fan
56    BA 12.565
57    PB  3.02
58    KM   Ia Deficit  Cap  Ks  IMP
59    LG  0.0  0.00  0.0  0.01  0.00
60    UD  1.19

```

\*

```

61    KK  NWest
62    KM  North west mountains
63    BA  12.269
64    PB  3.02
65    KM   Ia  Deficit  Cap   Ks   IMP
66    LG   0.0  0.00   0.0  0.01  0.00
67    UD   0.67
    *

68    KK  CRfan
69    KM  Redfan concentration point
70    KM  KO  2
71    HC   3
    *

72    KK  RCRfan
73    KM  Route Redfan concentration point
74    KM   N   K   X
75    RM   11  0.94  0.15
    *

76    KK  WCent
77    KM  West central mountains
78    BA  9.403
79    PB  3.02
80    KM   Ia  Deficit  Cap   Ks   IMP
81    LG   0.0  0.00   0.0  0.01  0.00
82    UD   0.46
    *

83    KK  RCWCent
84    KM  Route CWCent along west side of floodplain
85    KM   N   K   X
86    RM   5  0.45  0.15
    *

```



112 KM Ia Deficit Cap Ks IMP  
 113 LG 0.0 0.00 0.0 0.01 0.00  
 114 UD 0.86

\*

115 KK RHval  
 116 KM Route High Valley basin  
 117 KM N K X  
 118 RM 9 0.75 0.15

\*

119 KK SOct  
 120 KM South octagon area and east mountains  
 121 BA 10.746  
 122 PB 3.02  
 123 KM Ia Deficit Cap Ks IMP  
 124 LG 0.000 0.00 0.0 0.01 0.000  
 125 UD 0.92

\*

# HEC-1 INPUT

PAGE 4

LINE ID.....1.....2.....3.....4.....5.....6.....7.....8.....9.....10

126 KK COut  
 127 KO 2  
 128 HC 4

\*

129 KK SEast  
 130 KM Southeast adjacent basin  
 131 BA 3.707  
 132 PB 3.02  
 133 KM Ia Deficit Cap Ks IMP  
 134 LG 0.000 0.00 0.0 0.010 0.000  
 135 UD 0.45

\*

136 KK SWest  
 137 KM South west adjacent basin  
 138 BA 2.156  
 139 PB 3.02  
 140 KM Ia Deficit Cap Ks IMP  
 141 LG 0.000 0.00 0.0 0.01 0.000  
 142 UD 0.25  
 \*

143 KK CTotal  
 144 KM KO 2  
 145 HC 3  
 \*  
 146 ZZ

1

# SCHEMATIC DIAGRAM OF STREAM NETWORK

## INPUT

LINE (V) ROUTING (--->) DIVERSION OR PUMP FLOW  
 NO. (.) CONNECTOR (<---) RETURN OF DIVERTED OR PUMPED FLOW

35 WSage  
     V  
     V  
 50 RWSage  
     .  
     .  
 54 . RFan  
     .  
     .  
 61 . . NWest  
     .  
     .  
 68 CRfan.....  
     V  
     V

|     |              |         |        |      |   |
|-----|--------------|---------|--------|------|---|
| 72  | RCRfan       | .       | .      | .    | . |
| 76  | .            | WCent   | .      | .    | . |
|     | .            | V       | .      | .    | . |
|     | .            | V       | .      | .    | . |
| 83  | .            | RCWCent | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 87  | .            | .       | Fplain | .    | . |
|     | .            | .       | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 94  | CFplain..... | V       | .      | .    | . |
|     | .            | V       | .      | .    | . |
| 97  | RCFplain     | .       | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 101 | .            | SCen    | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 108 | .            | .       | HVal   | .    | . |
|     | .            | .       | V      | .    | . |
|     | .            | .       | V      | .    | . |
| 115 | .            | .       | RHval  | .    | . |
|     | .            | .       | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 119 | .            | .       | .      | SOct | . |
|     | .            | .       | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 126 | COut.....    | .       | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 129 | .            | SEast   | .      | .    | . |
|     | .            | .       | .      | .    | . |
|     | .            | .       | .      | .    | . |
| 136 | .            | .       | SWest  | .    | . |

. . .  
. . .  
143 CTotal.....

(\*\*\*) RUNOFF ALSO COMPUTED AT THIS LOCATION

```
1*****
*                                     *
* FLOOD HYDROGRAPH PACKAGE (HEC-1) * * U.S. ARMY CORPS OF ENGINEERS *
*   JUN 1998                        * * HYDROLOGIC ENGINEERING CENTER *
*   VERSION 4.1                     * * 609 SECOND STREET *
*                                     * * DAVIS, CALIFORNIA 95616 *
* RUN DATE 27JUL10 TIME 16:35:14 * * (916) 756-1104 *
*                                     *
*****
```

743

```
*****
* ..... *
* : : *
* : EFFECT OF SPATIAL AND TEMPORAL VARIABILITY : *
* : OF ANTECEDENT MOISTURE CONTENT ON : *
* : MODEL-GENERATED RUNOFF : *
* : FROM AN ARID WATERSHED : *
* : : *
* : ..... *
* : RETURN PERIOD__ _ 100-YEAR : *
* : DISTRIBUTION__ _ 6-HOUR SDN 5 : *
* : FILENAME__ _ _ _ _ test2.3.h1 : *
* : DATE_ _ _ _ _ 07/27/10 : *
* : MODELED BY_ _ _ _ _ WJM : *
* : ..... *
*****
* : : *
* : 1. Total watershed area is 88 sq. mi. : *
```



```

* : 2. DARF is 0.62 for area          : *
* : 3. 500 Year Precip. Value is 3.02 in.      : *
* : 4. 500 Year DARF value 0.62              : *
* : 5. 100 Year DARF value 0.44              : *
* : 6. 50 Year DARF value 0.38               : *
* : 7. 25 Year DARF value 0.32              : *
* : 8. 10 Year DARF Value 0.26              : *
* : 9. 2 Year DARF Value 0.15              : *
* :10. USBR Lag time                      : *
* .....: *
*****

```

```

32 IO  OUTPUT CONTROL VARIABLES
        IPRNT    5 PRINT CONTROL
        IPLOT    0 PLOT CONTROL
        QSCAL    0. HYDROGRAPH PLOT SCALE

```

744

```

IT  HYDROGRAPH TIME DATA
      NMIN      5 MINUTES IN COMPUTATION INTERVAL
      IDATE     1 00 0 STARTING DATE
      ITIME     0000 STARTING TIME
      NQ        200 NUMBER OF HYDROGRAPH ORDINATES
      NDDATE    1 0 ENDING DATE
      NDTIME    1635 ENDING TIME
      ICENT     19 CENTURY MARK

```

```

COMPUTATION INTERVAL .08 HOURS
TOTAL TIME BASE 16.58 HOURS

```

```

ENGLISH UNITS
DRAINAGE AREA      SQUARE MILES
PRECIPITATION DEPTH INCHES
LENGTH, ELEVATION FEET
FLOW               CUBIC FEET PER SECOND
STORAGE VOLUME     ACRE-FEET
SURFACE AREA       ACRES

```

TEMPERATURE        DEGREES FAHRENHEIT

JP        MULTI-PLAN OPTION  
          NPLAN        1    NUMBER OF PLANS

JR        MULTI-RATIO OPTION  
          RATIOS OF PRECIPITATION  
          .62

\*\*\* \*\*

\*\*\*\*\*

\*        \*

126 KK    \*    COut \*

\*        \*

\*\*\*\*\*

127 KO        OUTPUT CONTROL VARIABLES  
          IPRNT        2    PRINT CONTROL  
          IPLOT        0    PLOT CONTROL  
          QSCAL        0.    HYDROGRAPH PLOT SCALE

128 HC        HYDROGRAPH COMBINATION  
          ICOMP        4    NUMBER OF HYDROGRAPHS TO COMBINE

\*\*\*

\*\*\*\*\*

\*\*

HYDROGRAPH AT STATION    COut  
SUM OF 4 HYDROGRAPHS  
PLAN 1,    RATIO =    .62



|   |      |    |        |   |   |      |     |        |   |   |      |     |     |   |   |      |     |    |
|---|------|----|--------|---|---|------|-----|--------|---|---|------|-----|-----|---|---|------|-----|----|
| 1 | 0230 | 31 | 9312.  | * | 1 | 0640 | 81  | 13569. | * | 1 | 1050 | 131 | 34. | * | 1 | 1500 | 181 | 0. |
| 1 | 0235 | 32 | 9366.  | * | 1 | 0645 | 82  | 12686. | * | 1 | 1055 | 132 | 30. | * | 1 | 1505 | 182 | 0. |
| 1 | 0240 | 33 | 9410.  | * | 1 | 0650 | 83  | 11817. | * | 1 | 1100 | 133 | 26. | * | 1 | 1510 | 183 | 0. |
| 1 | 0245 | 34 | 9456.  | * | 1 | 0655 | 84  | 10977. | * | 1 | 1105 | 134 | 22. | * | 1 | 1515 | 184 | 0. |
| 1 | 0250 | 35 | 9508.  | * | 1 | 0700 | 85  | 10172. | * | 1 | 1110 | 135 | 19. | * | 1 | 1520 | 185 | 0. |
| 1 | 0255 | 36 | 9573.  | * | 1 | 0705 | 86  | 9410.  | * | 1 | 1115 | 136 | 17. | * | 1 | 1525 | 186 | 0. |
| 1 | 0300 | 37 | 9658.  | * | 1 | 0710 | 87  | 8693.  | * | 1 | 1120 | 137 | 15. | * | 1 | 1530 | 187 | 0. |
| 1 | 0305 | 38 | 9772.  | * | 1 | 0715 | 88  | 8022.  | * | 1 | 1125 | 138 | 13. | * | 1 | 1535 | 188 | 0. |
| 1 | 0310 | 39 | 9929.  | * | 1 | 0720 | 89  | 7396.  | * | 1 | 1130 | 139 | 11. | * | 1 | 1540 | 189 | 0. |
| 1 | 0315 | 40 | 10144. | * | 1 | 0725 | 90  | 6809.  | * | 1 | 1135 | 140 | 9.  | * | 1 | 1545 | 190 | 0. |
| 1 | 0320 | 41 | 10424. | * | 1 | 0730 | 91  | 6259.  | * | 1 | 1140 | 141 | 8.  | * | 1 | 1550 | 191 | 0. |
| 1 | 0325 | 42 | 10801. | * | 1 | 0735 | 92  | 5740.  | * | 1 | 1145 | 142 | 7.  | * | 1 | 1555 | 192 | 0. |
| 1 | 0330 | 43 | 11322. | * | 1 | 0740 | 93  | 5248.  | * | 1 | 1150 | 143 | 6.  | * | 1 | 1600 | 193 | 0. |
| 1 | 0335 | 44 | 11966. | * | 1 | 0745 | 94  | 4780.  | * | 1 | 1155 | 144 | 5.  | * | 1 | 1605 | 194 | 0. |
| 1 | 0340 | 45 | 12713. | * | 1 | 0750 | 95  | 4336.  | * | 1 | 1200 | 145 | 4.  | * | 1 | 1610 | 195 | 0. |
| 1 | 0345 | 46 | 13555. | * | 1 | 0755 | 96  | 3914.  | * | 1 | 1205 | 146 | 3.  | * | 1 | 1615 | 196 | 0. |
| 1 | 0350 | 47 | 14467. | * | 1 | 0800 | 97  | 3517.  | * | 1 | 1210 | 147 | 2.  | * | 1 | 1620 | 197 | 0. |
| 1 | 0355 | 48 | 15377. | * | 1 | 0805 | 98  | 3145.  | * | 1 | 1215 | 148 | 2.  | * | 1 | 1625 | 198 | 0. |
| 1 | 0400 | 49 | 16272. | * | 1 | 0810 | 99  | 2801.  | * | 1 | 1220 | 149 | 2.  | * | 1 | 1630 | 199 | 0. |
| 1 | 0405 | 50 | 17153. | * | 1 | 0815 | 100 | 2485.  | * | 1 | 1225 | 150 | 1.  | * | 1 | 1635 | 200 | 0. |
|   |      |    | *      |   |   | *    |     | *      |   |   |      |     |     |   |   |      |     |    |

\*\*\*\*\*  
\*\*

| PEAK FLOW<br>+ (CFS) | TIME<br>(HR) | MAXIMUM AVERAGE FLOW |       |       |          |
|----------------------|--------------|----------------------|-------|-------|----------|
|                      |              | 6-HR                 | 24-HR | 72-HR | 16.58-HR |
|                      | (CFS)        |                      |       |       |          |
| + 23312.             | 5.08         | 14537.               | 5794. | 5794. | 5794.    |
|                      | (INCHES)     | 1.645                | 1.812 | 1.812 | 1.812    |
|                      | (AC-FT)      | 7209.                | 7941. | 7941. | 7941.    |

CUMULATIVE AREA = 82.15 SQ MI

PEAK FLOW AND STAGE (END-OF-PERIOD) SUMMARY FOR MULTIPLE PLAN-RATIO ECONOMIC COMPUTATIONS  
 FLOWS IN CUBIC FEET PER SECOND, AREA IN SQUARE MILES  
 TIME TO PEAK IN HOURS

| OPERATION | STATION | RATIOS APPLIED TO PRECIPITATION |      |         |
|-----------|---------|---------------------------------|------|---------|
|           |         | AREA                            | PLAN | RATIO 1 |
|           |         | .62                             |      |         |

|               |       |      |   |      |       |
|---------------|-------|------|---|------|-------|
| HYDROGRAPH AT |       |      |   |      |       |
| +             | WSage | 7.86 | 1 | FLOW | 3799. |
|               |       | TIME |   | 3.92 |       |

|           |        |      |   |      |       |
|-----------|--------|------|---|------|-------|
| ROUTED TO |        |      |   |      |       |
| +         | RWsage | 7.86 | 1 | FLOW | 3348. |
|           |        | TIME |   | 5.00 |       |

|               |      |       |   |      |       |
|---------------|------|-------|---|------|-------|
| HYDROGRAPH AT |      |       |   |      |       |
| +             | RFan | 12.56 | 1 | FLOW | 4211. |
|               |      | TIME  |   | 4.58 |       |

|               |       |       |   |      |       |
|---------------|-------|-------|---|------|-------|
| HYDROGRAPH AT |       |       |   |      |       |
| +             | NWest | 12.27 | 1 | FLOW | 5610. |
|               |       | TIME  |   | 4.00 |       |

|               |       |       |   |      |        |
|---------------|-------|-------|---|------|--------|
| 3 COMBINED AT |       |       |   |      |        |
| +             | CRfan | 32.69 | 1 | FLOW | 10357. |
|               |       | TIME  |   | 4.33 |        |

|           |        |       |   |      |        |
|-----------|--------|-------|---|------|--------|
| ROUTED TO |        |       |   |      |        |
| +         | RCRfan | 32.69 | 1 | FLOW | 10199. |
|           |        | TIME  |   | 5.50 |        |

|               |       |      |   |      |       |
|---------------|-------|------|---|------|-------|
| HYDROGRAPH AT |       |      |   |      |       |
| +             | WCent | 9.40 | 1 | FLOW | 5160. |
|               |       | TIME |   | 3.83 |       |

ROUTED TO

|   |         |      |   |      |       |
|---|---------|------|---|------|-------|
| + | RCWCent | 9.40 | 1 | FLOW | 4706. |
|   |         | TIME |   | 4.25 |       |

HYDROGRAPH AT

|   |        |       |   |      |       |
|---|--------|-------|---|------|-------|
| + | Fplain | 10.61 | 1 | FLOW | 4103. |
|   |        | TIME  |   | 4.25 |       |

3 COMBINED AT

|   |         |       |   |      |        |
|---|---------|-------|---|------|--------|
| + | CFplain | 52.71 | 1 | FLOW | 15098. |
|   |         | TIME  |   | 5.42 |        |

ROUTED TO

|   |          |       |   |      |        |
|---|----------|-------|---|------|--------|
| + | RCFplain | 52.71 | 1 | FLOW | 14958. |
|   |          | TIME  |   | 5.75 |        |

HYDROGRAPH AT

|   |      |      |   |      |       |
|---|------|------|---|------|-------|
| + | SCen | 7.56 | 1 | FLOW | 3541. |
|   |      | TIME |   | 4.00 |       |

HYDROGRAPH AT

|   |      |       |   |      |       |
|---|------|-------|---|------|-------|
| + | HVal | 11.14 | 1 | FLOW | 4463. |
|   |      | TIME  |   | 4.25 |       |

ROUTED TO

|   |       |       |   |      |       |
|---|-------|-------|---|------|-------|
| + | RHval | 11.14 | 1 | FLOW | 4220. |
|   |       | TIME  |   | 5.00 |       |

HYDROGRAPH AT

|   |      |       |   |      |       |
|---|------|-------|---|------|-------|
| + | SOct | 10.75 | 1 | FLOW | 4154. |
|   |      | TIME  |   | 4.25 |       |

4 COMBINED AT

|   |      |       |   |      |        |
|---|------|-------|---|------|--------|
| + | COut | 82.15 | 1 | FLOW | 23312. |
|   |      | TIME  |   | 5.08 |        |

HYDROGRAPH AT

+           SEast   3.71   1   FLOW   2049.  
                  TIME       3.83

HYDROGRAPH AT

+           SWest   2.16   1   FLOW   1502.  
                  TIME       3.67

3 COMBINED AT

+           CTotal   88.02   1   FLOW   24905.  
                  TIME       5.00

\*\*\* NORMAL END OF HEC-1 \*\*\*

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