



CITY OF BEACON

cityofbeacon.org

COMPREHENSIVE WATER SUPPLY PLAN

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PLATE 1: City of Beacon Reservoirs

1.0 INTRODUCTION

LBG Hydrogeologic & Engineering Services, P.C., a member of WSP (LBGHES), has completed a Comprehensive Water Supply Plan (Plan) for the City of Beacon (City). The Plan included evaluating the storage capacity of the three City reservoirs to estimate the safe yield of the reservoirs; conducting an extended yield test on the existing bedrock water-supply wells to determine the safe yield of the bedrock wells; conducting a groundwater exploration program at the City's Pump House Road well field to evaluate the potential to develop a high yielding sand and gravel production well; and the evaluation of current and projected City build-out population to determine if the City has an adequate supply of drinking water to meet the current and projected water demand.

2.0 BACKGROUND

Beacon was created as a City in 1913 and includes the former Villages of Fishkill-on-Hudson and Matteawan. The City is situated in Dutchess County on the east bank of the Hudson River at the mouth of Fishkill Creek.

A Water-Supply Application (“WSA”) 561 dated 1930 authorized the construction of the 158 mg (million gallon) Cargill Reservoir at the mouth of Clove Creek approximately 5.2 miles east of the mouth of Fishkill Creek. In addition, the WSA authorized the existing 125 mg Mount Beacon and the 58 mg Melzingah Reservoirs for use as a source of supply for the City. In WSA 561, Condition No. 6, it was determined by the Water Resource Commission (a predecessor to the New York State Department of Environmental Conservation (NYSDEC)) that the City “may supply water to persons, plants or institutions outside of the City limits and within a reasonable distance of this proposed new supply main.”

A second NYSDEC WSA 1812 (1948) authorized the City to drill two wells in the Fishkill Creek valley with a taking of no more than 1,200 gpm (gallons per minute) or 1.7 mgd (million gallons per day). Only one well was drilled and it supplemented the City’s water usage from the Cargill, Mount Beacon and Melzingah Reservoirs (approximately 0.8 mgd), for a total yield of 2.5 mgd. USA 1812 stated that prior to that well application, the City relied on Fishkill Creek to supply its needs during the drought years 1940 to 1950.

Fishkill Creek became an approved source for a withdrawal of 6 mgd in NYSDEC WSA 4612 in 1964 and was also included as a permitted source in the modified permits issued in 1969, 1972, 1979 and on July 22, 1981. Work on the Fishkill Creek project was never initiated but the City requested that WSA 4612 remain in effect to be used as a reserve source. The terms of WSA 4612 (1981 version) extend the deadline to complete the connection of Fishkill Creek as a potable source to 1984. In addition, the City would be required to demonstrate the need to supplement their existing water supply with taking from Fishkill Creek.

NYSDEC WSA 7099 (1981) authorized the City to increase its taking from the two existing wells in the Fishkill Creek well field from 1,200 gpm to 1,750 gpm and change its status from emergency use to regular use. WSA 9148 (1995) authorized the interconnection of the Village of Fishkill and City from a transmission route from Clove Creek well field and the taking of 1.2 mgd of potable water from the Village of Fishkill for use in the City.

3.0 RESERVOIR ANALYSIS

3.1 Introduction

LBGHES conducted an evaluation of the storage capacity and sustainable yield of three reservoirs (Melzingah, Mount Beacon and Cargill) that supply potable water to the City (Plate 1). The assessment has included the review of published data (United States Geological Survey (USGS) stream gaging data, National Oceanic and Atmospheric (NOAA) weather information, regional studies and studies conducted for the City), as well as the ongoing monitoring of stream flow into and out of each of the reservoirs. The locations of the reservoirs and stream gaging stations are presented on Plate 1. To determine the storage capacity of each reservoir, a bathometric survey was conducted by LBGHES in November 2017 as part of this study.

3.2 Hydrogeologic Setting

The three City reservoirs are located in Fishkill (Melzingah and Mount Beacon Reservoir) and Phillipstown (Cargill Reservoir), New York (plate 1). The total watershed area for each reservoir was delineated by LBGHES using the USGS quadrangle map and the New York State Geological Survey Streamstats program (www.water.usgs.gov/osw/streamstats/). The total watershed area for each reservoir is shown on table 3.1 along with the portion of each reservoir that is not covered with surface-water features (ponds and wetlands).

Table 3.1 also shows the name of the drainage basin each reservoir is located within.

Table 3.1 - Watershed Size

Site	Basin Name	Watershed Size (acres)	Area not Underlain by Surface Water Features Size (acres)	Reservoir Size (acres)
Melzingah Reservoir	Gordons Brook	928	920	7.15
Mount Beacon Reservoir	Dry Brook	480	457	22.73
Cargill Reservoir	Clove Creek	492	465	25.67

3.2.1 Surficial Geology

Glacial till is mapped as underlying the majority of the watershed areas from each reservoir, with smaller areas of exposed bedrock outcrops (New York State Geological Survey, 1997). Till consists of non-sorted, non-stratified sediments deposited by glacial activity. The sediment contains varying proportions of clay, silt, sand, gravel and boulders. The published surficial geology maps of the area show no sand and gravel aquifers with each basin.

3.2.2 Bedrock Geology

The bedrock types underlying the reservoirs are mapped as metamorphic rocks of uncertain origin. The bedrock units underlying both Melzingah and Mount Beacon Reservoir are described as hornblende and granitic gneiss (hg) (New York State Geological Survey, 1999). The bedrock units underlying the Cargill Reservoir are a garnet-biotite-quartz-feldspar gneiss and quartzite (qtcs) in the northwest portion of the watershed and biotite-quartz-plagioclase gneiss with subordinate biotite granitic gneiss, amphibolite, and calcsilicate rock (bqpc) in the southeast portion of the watershed (New York State Geological Survey, 1999). There are no mapped major faults in any of the watershed areas.

3.2.3 Precipitation

Precipitation to the reservoirs was based on data recorded at the Beacon 4.2 ESE (2015-2017), and Glenham, NY (1963-1965) climate stations. Data from the Beacon 4.2 ESE climate station was reviewed for the current (2015 – 2017) conditions evaluation and data from the Glenham climate station was reviewed for the historical drought (1963 – 1965) evaluation. The Beacon 4.2 ESE and the Glenham climate stations are located approximately 4.0 miles east and 3.5 miles northeast of the Melzingah Reservoir, respectively (Plate 1). The precipitation for both stations was obtained from N.O.A.A. climatological data publications.

Precipitation data from the climate stations were corrected for each reservoir using the data derived from the NRCS PRISM model (USDA-NRCS. 1998). The NRCS PRISM model data sets provide estimates of basic climate elements such as precipitation, temperature and dew point. The precipitation correction was based on the 30-year normal precipitation from 1981-2010. The corrected annual precipitation annual totals for each reservoir from 1963 through 1965 and 2015 through 2017 are shown on table 3.2.

Table 3.2 - Annual Precipitation

Reservoir	Glenham - Historic Annual Precipitation (inches)			Beacon 4.2 ESE - Recent Annual Precipitation (inches)		
	1963	1964	1965	2015	2016	2017
Melzingah	35.47	27.71	28.98	35.95	45.34	36.89
Mount Beacon	37.74	29.37	30.81	38.13	47.67	39.05
Cargill	37.34	29.11	30.61	37.53	46.81	38.63

3.3 Bathymetric Survey

LBGHES conducted bathymetric surveys on each of the three City reservoirs in November 2017. Data for the surveys was obtained by navigating concentric circles with a Lawrence brand sonar depth finder mounted to a small aluminum boat. Maximum sampling spacing was kept within 30 feet to ensure adequate measurements of the reservoir floor. The data derived from the survey was process using the tools found in C-MAP's BioBase software (www.cibiobase.com) to obtain the topography of the reservoirs below the water surface.

The reservoirs were not full at the time of the bathymetric surveys; therefore, an aerial survey of each reservoir was completed in December 2017 to obtain the topography of each reservoir between water surface and the spill well elevation. A staff gage was installed in each reservoir at the time of the bathymetric survey to measure the relative change of the water-elevation between the date of the bathymetric survey and the aerial survey.

The bathymetric and aerial surveys were then combined based on the staff gage measurements, and a 3D topographic surface was created in ArcGIS (ESRI ArcMap v10.5) representing the reservoir floor below spillway elevation for each reservoir. From this 3D topographic surface, volumetric and surface area measurements were calculated (at half-foot intervals) using ArcGIS from the spillway elevation to deepest portion of the reservoir.

The results from the Bathymetric and aerial surveys are shown on figures 1 through 3 for the Melzingah, Mount Beacon and Cargill Reservoirs, respectively. The figures show the bottom contours for each reservoir and plots comparing water-level elevation to reservoir volume (mg) and surface area

(acres). Table 3.3 shows the total storage volume of each reservoir at full capacity (when the water-level elevation in the reservoir is equal to the elevation at spill way).

Table 3.3 – Bathymetric Survey Results

Reservoir	Spillway Elevation (feet navd)	Reported Outflow Pipe Elevation (feet navd)	Stage Elevation with 10 mgd reserve (feet navd)	Full Volume (million gallons)	Full Surface Area (acres)
Melzingah	430.43	378.5	412	38	7.15
Mount Beacon	1281.75	1258	1261	124	22.73
Cargill	881.42	835	843	152	25.67

Table 3.3 also shows the elevation of each reservoir’s outflow pipe elevations. The outflow pipe elevations were provided by the City and were not surveyed as part of this study. Note, the reported outflow pipe elevation for the Melzingah Reservoir was below the bottom of reservoir calculated during this study. Therefore, the reported elevation of 378.5 ft navd (table 3.3) was not used for the sustainable yield calculation described below. Instead, the elevation representing a 10 million gallon reserve volume (412 ft navd) was utilized during the analysis.

To be conservative and for consistency, the elevation of the outflow pipes for the Mount Beacon and Cargill Reservoirs were also assumed to be the elevation representing a 10 million gallon reserve volume for the Mount Beacon Reservoir (1261 ft navd) and for Cargill Reservoir (835 ft navd) during the sustainable yield analysis.

3.4 Data Collection Program

A data collection program was initiated by LBGHES in 2017. The program was designed to obtain the information needed (stream inflow and outflow) to estimate each reservoir’s sustainable yield under current and drought conditions. As part of this program, stream flow measurements were collected periodically from eight locations (Plate 1). Two stream gaging locations were established in the Gordons Brook watershed (MZ-1 and MZ-2) to measure stream inflow into the Melzingah Reservoir and three stream gaging locations (CG-1, CG-2 and CG-3) were established in the Clove Creek watershed to measure stream inflow into the Cargill Reservoir.

Three gaging locations were also established in the Dry Brook watershed, one immediately downstream of the Mount Beacon Reservoir dam (MB-1), one location immediately upstream of the Pocket Reservoir (MB-2), and one location immediately downstream of the Pocket Reservoir (MB-3) (Plate 1). Gaging locations MB-1 and MW-2 were established to evaluate the increase in flow (free water that should be incorporated into the sustainable yield analysis) from the Mount Beacon Reservoir dam to the system intake at the Pocket Reservoir. Gaging location MB-3 was established to evaluate leakage through the Pocket Reservoir dam. The stream gaging locations are shown on Plate 1. Five stream gaging events were completed during the data collection period from August 2017 to January 2018. The measured stream flow at each gaging location is shown on table 3.4.

Table 3.4 - Measured Stream Flow (cfs)

Date	MZ-1	MZ-2	MB-1	MB-2	MB-3	CG-1	CG-2	CG-3
8/24/2017	Dry	Dry	0.623	0.766	0.126	Dry	Dry	Dry
9/7/2017	0.13	Dry	0.682	0.936	0.151	Dry	0.237	Dry
12/1/2017	Dry	Dry	0.655	0.801	0.111	Dry	Dry	Dry
12/26/2017	0.101	Dry	0.601	0.921	0.171	Dry	0.221	Dry
1/18/2018	Dry	Dry	N/A	1.473	0.118	Dry	Dry	Dry

N/A

Unable to access due to snow on access road

The measured stream flow data (table 3.4) shows that Dry Brook gained flow throughout the monitoring period. The stream flow data also shows that an average of 0.135 cfs (0.088 mgd) was lost through Pocket Reservoir Dam and a continual basis.

3.5 Reservoir Budget Analysis

The water storage volumes for the reservoirs were calculated based on the bathometric survey conducted by LBGHES in November 2017. Graphs of potential reservoir storage and surface area versus the change in reservoir stage for each of the reservoirs are included on figures 1 through 3 for the Melzingah, Mount Beacon and Cargill reservoirs, respectively. The watershed areas and potential storage volume for each reservoir are summarized on table 3.1 and table 3.3, respectively. LBGHES created a spreadsheet program called “Reservoir Daily Sustainable Yield” (RDSY) to model the sustainable yield of the reservoirs under current (2015-2017) conditions and historical (1963-1965) drought recharge conditions. The reservoir water budget evaluations were completed utilizing the methodology outlined in the “Water Resources Handbook” (Mays, 1996). As with any water budget evaluation, a number of surface hydrologic processes were considered in the analysis. These processes included direct precipitation and evaporation at the reservoir surface, groundwater flux into and out of the reservoir, stream outflow and over-land flow. Published data for the region, in conjunction with LBGHES field data and the RDSY model, were used to determine the daily, monthly and annual hydrologic budget of the reservoirs. The water budget components and data input into the RDSY model are described below.

3.5.1 Precipitation

As discussed above, precipitation to the reservoirs was based on data recorded at the NOAA Beacon 4.2 ESE (2015-2017), and Glenham, NY (1963-1965) climate stations. Daily data from the climate stations were corrected for each reservoir using the NRCS PRISM (USDA-NRCS, 1998). The corrections were based on the 30-year normal monthly precipitation for the region from 1981 to 2010 (reference). The daily precipitation data input into the RDSY model for each reservoir for the current (2015 – 2017) and drought (1963 – 1965) condition simulations are presented in Appendix I.

3.5.2 Evaporation/Evapotranspiration

There is limited published evaporation data available for local weather station near the reservoirs. Therefore, daily and monthly evaporation from the reservoir surfaces and evapotranspiration from each watershed were calculated using the Thornthwaite Monthly Water-Balance Program (TMWP) developed by the USGS in 2007 (McCabe and Markstrom, 2007). The TMWP analyses the allocation of water among various components of the hydrologic system using the Thornthwaite Method. Inputs to the TMWP are mean monthly temperature, monthly total precipitation, and the latitude of the study area. Mean monthly temperature and total monthly precipitation data for the current (2015 – 2017) and drought

(1963 - 1965) condition RDSY simulations were obtained from the NOAA monitoring stations located in Beacon and Glenham, NY (Plate 1).

TMWP output includes estimates of monthly potential evapotranspiration (PET) and actual monthly evapotranspiration (AET). The calculated monthly AET values divide evenly through each month was used as the daily evaporation and evapotranspiration input into the RDSY model. The evaporation and evapotranspiration for the current (2015 – 2017) and drought (1963 – 1965) condition simulations are presented in Appendix II.

3.5.3 Groundwater Recharge

Estimated groundwater recharge was calculated using “WHAT” a web-based hydrograph separation system (K.J. Lim, et al., 2005). WHAT is a computer program that separates stream flow into groundwater and surface-water components and is used to estimate groundwater discharge (or recharge) from a basin (Starn and Brown, 2007).

Average daily groundwater recharge values input into the RDSY model for each reservoir for the current (2015 – 2017) and drought (1963 – 1965) condition simulations were estimated by analyzing USGS gaging stations. The USGS’s Horse Pond Brook gage (01374598) installed in 1996 and Wappinger Creek gage (01372500) installed in 1928 were analyzed to estimate daily recharge for the current and drought simulations, respectively. The Horse Pond Brook gage data was used for the current RDSY simulation because of the basins similar size and hydrogeologic sitting to the basins containing the three study reservoirs. The Wappinger Creek gage data was for the evaluation because of the station’s close proximity and continuous record from 1963 through 1965.

The estimated average annual recharge derived from the “WHAT” analysis for both the current and drought study periods are shown on table 3.5. The daily groundwater recharge data input into the RDSY model for the current and drought conditions are presented in Appendix II.

Table 3.5 - Average Annual Groundwater Recharge

Year	Recharge (inches per year)
Based on Wappinger Creek Gage Data	
1963	5.54
1964	5.04
1965	2.42
(1930 – 2017)	8.5
Based on Horse Pond Brook Gage Data	
2015	4.2
2016	6.4
2017	9.1
(1997 – 2017)	10.5

3.5.4 Overland Flow

The overland flow component of the pond water budgets represents the direct surface-water runoff into the reservoir from the watershed. The overland flow value for the reservoirs were calculated based on daily precipitation, minus evapotranspiration and groundwater recharge and is consistent with typical daily runoff values for the region. The calculated daily runoff for the current (2015 – 2017) and drought (1963 – 1965) condition simulations for each reservoir are presented in Appendix II.

3.5.5 Stream Flow

The daily stream inflow into the Melzingah and the Cargill Reservoirs and increase in flow between the Mount Beacon Reservoir dam and the Pocket Reservoir (system outflow) was simulated in the RDSY. The streamflow data input into the RDSY were estimated utilizing data from the USGS's Horse Pond Brook (01374598) and Wappinger Creek (01372500) gaging stations; stream flow measurements collected from eight locations (Plate 1) and the USGS's New York Streamflow Estimation Tool (NYSET).

The NYSET was used to develop flow duration curves at each of the stream gaging locations (Appendix III). These flow durations were coordinated with the flow durations from the Horse Pond Brook gage for the current condition simulations and the Wappinger Creek gage for the drought conditions simulations. Once the correlations were completed the estimated daily stream flows were adjusted by eliminating stream flow at flow durations where the measured stream flow data indications the surface-water body should be dry.

The stream flows used in the RDSY model for the current and drought conditions to the inflow into the Melzingah Reservoir (MZ-1 and MZ-2) and Cargill Reservoir (CG-1, CG-2 and CG-3) and the flow increase between Mount Beacon Reservoir dam and the Pocket Reservoir (MB-1 and MB-2) are presented in Appendix III.

3.6 Sustainable Yield Analysis

As stated above, LBGHES created a spreadsheet program called "Reservoir Daily Sustainable Yield" (RDSY) to model the sustainable yield of the reservoirs under current (2015-2017) conditions and historical (1963-1965) drought recharge conditions. RDSY is an optimization program designed to optimize reservoir withdrawals. RDSY estimated the daily stage and storage of a reservoir assuming a constant average daily withdrawal through defined period of time. The withdrawal is varied until the outflow elevation or emergency storage requirement is reached on any day of the study period. Before the program could be run, data derived from field evaluation and published sources are input into the program. Necessary input parameters are:

- Precipitation
- Evaporation/Evapotranspiration
- Groundwater Recharge
- Overland Flow
- Stream Flow into and out of the reservoir
- Spillway Elevation
- Outflow Elevation
- Emergency Storage Requirements
- Relationship Between stage and volume

With the above list of input parameters RDSY calculates the maximum average daily withdrawal that can be obtained without the reservoir stage reaching the outflow or minimum allowable stage (i.e. stage of emergency storage requirement) during the simulation period.

3.6.1 Results

The data in Section 3.5 of this report were incorporated into the RDSY Model for the current (2015-2017) conditions and the critical drought (1963-1965) simulations for each reservoir. For each simulation, the reservoirs are assumed to be full (i.e. the elevation of the spill way) on the first day of the simulations. In addition, the minimum reservoir stage utilized for each simulation assumes that 10 mg of

storage will remain in each reservoir at all times for emergency purposes in accordance with the City's *Emergency Water Plan (March 1996, Revised December 2017)*. Table 3.6 shows the combed estimated sustainable yield for Mount Beacon, Melzingah and Cargill reservoirs for the current (2015 – 2017) and drought (1963 – 1965) condition simulations were 0.86 mgd and 1.41 mgd, respectively.

Table 3.6 - Sustainable Yield Estimates

Study Period	Mt. Beacon Reservoir	Melzingah Reservoir	Cargill Reservoir	Sustainable Yield
Drought 1963-1965	0.33 mgd (114/124 MG of water storage)	0.16 mgd (28/38 MG of water storage)	0.37 mgd (142/152 MG of water storage)	0.86 mgd
Current Conditions 2015-2017	0.43 mgd (114/124 MG of water storage)	0.38 mgd (28/38 MG of water storage)	0.60 mgd (142/152 MG of water storage)	1.41 mgd

The drought simulation combined sustainable yield for the reservoirs is comparable to the sustainable yield calculated by Bowe, Walsh & Associates (1974) and O'Brien & Gere (2014) of 0.78 mgd and 1.0 mgd respectively.

RDSY model output for the drought simulation (1963 – 1965) is shown on figures 4 through 7. Model output for the current condition simulation (2015 – 2017) is shown in Appendix IV. Figures 4 through 6 show the calculated daily stage of each reservoir during the simulation. The graphs depicted on figures 4 through 6 confirm that the calculated daily stage for each reservoir is above the minimum stage or stage elevation necessary (see table 3.3) to ensure 10 mgd of emergency storage. Figure 7 shows the calculated daily storage of each reservoir during the drought simulation. Figure 7 shows that the smallest combined storage for the City's reservoir system was 44 mg which occurred on December 11, 1965.

4.0 BEDROCK WELL YIELD TESTING

4.1 Introduction

LBGHES has conducted a yield assessment of bedrock Wells 1 and 2 located on the City's Pump House Road well field parcel. As part of the assessment, water-level measurements and pumping rate information were collected from Wells 1 and 2 from January 15 through January 23, 2018, and available historical water level and yield test information from 1980, 1981 and 1982 were reviewed. The location of Wells 1 and 2 are shown on figure 8.

A third bedrock well was also observed at the well field during LBGHES' onsite investigation work. The third well is not permitted or in-service, and is not equipped with a well pump. LBGHES conducted a camera inspection of the well to assess its condition in August 2017. The results of the inspection are provided below and the location of the well is shown on figure 8.

4.2 Historical Well Information – Wells 1 and 2

LBGHES has reviewed historical yield test information for Wells 1 and 2 from tests conducted in 1980, 1981 and 1982. The present permitted taking (WSA 7099) is 1,750 gpm or 2.52 mgd. The water level and pumping rate information were reviewed to assess static water levels in the wells, pumping water levels, water-level interference between the wells, and the wells' specific capacity. A summary of the pumping test data is provided below and hydrographs of the water-level data from the wells are provided in Appendices V, VI and VII.

Table 4.1 - Summary of Historical Pumping Test Data for Wells 1 and 2

Date	Well 1 Static Water Level (feet)	Well 1 Pumping Water Level (feet)	Well 1 Pumping Rate (gpm)	Well 1 Specific capacity (gpm/ft)	Well 2 Static Water Level (feet)	Well 2 Pumping Water Level (feet)	Well 2 Pumping Rate (gpm)	Well 2 Specific Capacity (gpm/ft)
5/1/1980	15.6	62.3 ^{1/}	NA	NA	13.4	220.5	1,230	5.94
5/2/1980 ^{2/}	61.3 ^{3/}	148.3	210	2.41 ^{2/}	13.4	213.5	985	4.92 ^{2/}
5/20/1981	No Data	No Data	No Data	No Data	15.3	133	800	6.80
8/5/1982	10.3	180	1,223	7.21	15.8	77.0 ^{1/}	NA	NA

^{1/} Well not pumping. Water-level drawdown caused by pumping-related interference from adjacent well pumping.

^{2/} Wells 1 and 2 were pumping concurrently.

^{3/} Water level in Well 1 after Well 2 had been pumping for 3.5 days

gpm - gallons per minute

gpm/ft - gallons per minute per foot of drawdown

NA - Not applicable

4.2.1 April/May 1980

A 4.5-day pumping test was conducted on Wells 1 and 2 from April 28, 1980 through May 2, 1980 following the completion of drilling and construction of Well 2. During the first 3.5 days of the test from April 28 through May 2, Well 2 was pumped individually at 1,230 gpm. On the morning of May 2, a manual rate reduction to approximately 985 gpm was completed in Well 2 and the pump in Well 1 was started. Wells 1 and 2 were pumped concurrently for an additional 22 hours before the test was ended.

The static water level in Well 2 on April 28 prior to the start of pumping was 13.4 feet. At the end of the individual test on the morning of May 2, the pumping water level in Well 2 was 220.5 feet for a total drawdown of 207.1 feet. At a pumping rate of 1,230 gpm and a drawdown of 207.1 feet, the specific capacity in Well 2 at the end of the individual test was 5.94 gpm/ft (gallons per minute per foot of drawdown).

Water-level measurements were collected from Well 1 while the test on Well 2 was conducted. The static water level in Well 1 prior to the start of the test on Well 2 was 15.6 feet. At the end of the 3.5 day test on Well 2, the water level in Well 1 was 62.3 feet, for a total drawdown of 46.7 feet in Well 1 caused by Well 2 pumping at 1,230 gpm. Following the manual rate adjustment in Well 2 on May 2, a slight water-level rise occurred in Well 1 and the water level was 61.3 feet when the pump in Well 1 was started on May 2.

After 22 hours of Wells 1 and 2 pumping concurrently at a combined rate of approximately 1,195 gpm, the final pumping water level in Well 1 was 148.3 feet. Using a baseline water level of 61.3 feet, the drawdown in Well 1 during the 22 hour test was 87.0 feet. With a drawdown of 87.0 feet at a pumping rate of 210 gpm, the specific capacity in Well 1 was 2.41 gpm/ft.

A water-level drawdown projection graph of the 1980 test data from Wells 1 and 2 is included in Appendix V. The projections for both wells show a continuation of the drawdown trends in the wells. However, at 180 days (6 months of continuous pumping) the water levels in both wells appear to remain a safe margin above their respective pump settings.

4.2.2 May 1981

Yield test information for Well 2 was also reviewed from May 1981 (Appendix VI). Water levels and rate measurements for Well 2 were located, but no corresponding information was located for Well 1 during that time period. Comparing the 1981 test data with the 1980 test data, it does not appear that Well 1 was pumping concurrently with Well 2 during this test. Well 2 was pumped for approximately 48 hours at a final pumping rate of 800 gpm. The static water level in Well 2 prior to the start of pumping was 15.3 feet. The water level in Well 2 at the end of the test period was 133 feet, for a total drawdown of 117.7 feet and a specific capacity of 6.80 gpm/ft.

A graph of the water-level drawdown projection for Well 2 from the 1981 test is included in Appendix VI. Similar to the 1980 test, the projection shows a continuation of the drawdown trend, but after 180 days the water level appears to remain a safe margin above the well's pump setting.

4.2.3 August 1982

An individual yield test was conducted on Well 1 in August 1982 after work was conducted on the well to install a well screen to hold the well borehole open and improve well yield. Well 1 was pumped for approximately 2.5 days at a rate of 1,223 gpm. The static water level in Well 1 prior to the start of the test was 10.3 feet and the final pumping water level was 180 feet. The total drawdown at the end of the test period was 169.7 feet at a pumping rate of 1,223 gpm, for a specific capacity of 7.21 gpm/ft.

Water-level measurements were collected from Well 2 while the test on Well 1 was conducted. The static water level in Well 2 prior to the start of the test on Well 1 was 15.8 feet. At the end of the 2.5 days, the water level in Well 2 was 77 feet which is equal to a drawdown of 61.2 feet in Well 2 from pumping Well 1 at 1,223 gpm.

A graph of the water-level drawdown projection for Well 1 using the 1982 pumping test data is included in Appendix VII. A projection of the final 6 hours of the test data shows zero projected drawdown. Increasing the projection span to include the final 24 hours of pumping shows a trend similar to the prior tests conducted on Wells 1 and 2 with a continuation of the drawdown trend, but after 180 days the water level appears to remain a safe margin above the well's pump setting.

4.3 Historical Pumping Test Data Summary – Wells 1 and 2

Historically, the static water level in Well 1 was approximately 10-15 feet and in Well 2 was approximately 13-15 feet. Each well was capable of pumping individually at 1,200 gpm. At a pumping rate of 1,200 gpm, the pumping water level in Well 1 was 180 feet and in Well 2 the pumping water level was 220 feet. Data was not located that demonstrated their combined maximum yield capacity under simultaneous pumping conditions after the screen was installed in Well 1.

Mutual water-level drawdown interference effects were measured between the wells in the range of 47 feet to 61 feet at a pumping rate of 1,200 gpm. This degree of interference would likely preclude pumping the wells at a combined 2,400 gpm simultaneously. However, it is feasible that the wells could pump at a combine 1,750 gpm as described in the NYSDEC WSA No. 7099 based on the specific capacities and available drawdown data from the pumping tests conducted in the early 1980's.

4.3.1 January 2018 Yield Assessment - Wells 1 and 2

Water-level data was collected from Wells 1 and 2 from January 15 through January 23, 2018. Direct water-level measurements were collected from Well 2 using an m-scope and an automated pressure transducer. No direct water-level measurements could be collected from Well 1 because of the configuration of the well, so manual airline readings were collected. A graph of the water-level data collected is included in Appendix VIII.

Both wells were pumping concurrently throughout the data collection period and were reported to have been pumping continuously for several months prior to that to supply water to the system. During the data collection period, the yield in Well 1 ranged from 300 gpm to 400 gpm and in Well 2 ranged from 780 gpm to 800 gpm, for a combined maximum yield of 1,200 gpm or 1.7 million gallons per day (mgd).

Current static water levels in the wells could not be measured because the wells were needed to supply water to system customers and could not be turned off. Therefore, in order to evaluate specific capacity, the static water levels from the early 1980's have been used in the calculations below.

Table 4.2 - Summary of 2018 Pumping Test Data for Wells 1 and 2

Date	Well 1 1980's Estimated Static Water Level (feet)	Well 1 2018 Pumping Water Level (feet)	Well 1 2018 Pumping Rate (gpm)	Well 1 Specific capacity ^{1/} (gpm/ft)	Well 2 1980's Estimated Static Water Level (feet)	Well 2 2018 Pumping Water Level (feet)	Well 2 2018 Pumping Rate (gpm)	Well 2 Specific Capacity ^{1/} (gpm/ft)
1/23/2018	10	170	400	2.50	15	329	800	2.55

^{1/} Specific capacity values calculated with the wells pumping concurrently.
gpm gallons per minute
gpm/ft gallons per minute per foot of drawdown

The pumping water level in Well 1 over the data collection period ranged from 145 feet to 172 feet. The change in water level is attributed to the variable pumping rate in the well which was measured between 300 gpm to 400 gpm. The varying pumping rate is attributed to changes in system back pressure and also a rate adjustment made by the operator during the data collection period. The water level in Well 2 over the data collection period ranged from 271 feet to 333 feet. The change in water level in this well is also attributed to the variable pumping rate in the well which was measured between 780 gpm to 800 gpm. The varying pumping rate is attributed to changes in system back pressure and a rate adjustment made by the operator during the data collection period.

A drawdown projection was conducted on Well 2 using data collected between January 20 through 22 during a period when the rate in the well was relatively consistent (Appendix VIII). The projection shows only slight decline in the well's drawdown trend, and after 180 days of continuous pumping the drawdown in the well does not increase significantly. This data indicates that the long-term yield of the well at its current rate is sustainable. Because of the limited water-level data collected from Well 1, a similar water-level drawdown projection could not be conducted. However, the available data does not indicate any current issues with the well and its current yield also appears sustainable.

4.4 Well Data Comparison

A comparison of the pumping water levels in Wells 1 and 2 between 1980-82 and 2018 indicate a decline of approximately 50 feet to 100 feet in the intervening years. Based on the available data the cause of the decline cannot be determined, but possible causes could include a decrease in the regional aquifer water level from prolonged dry conditions, a decrease in aquifer yield from long-term use of the wells, or a decrease in well efficiency from mechanical plugging or biofouling.

The reported pump settings in Wells 1 and 2 are 205 feet and 351 feet, respectively. These pump settings were selected based on fracture locations in the wells and should not be lowered. Information from a camera inspection of Well 1 conducted in June 1982 report the first fractures in the bedrock just below the bottom of the casing at 205 feet (Appendix IX). Lowering the well pumps to increase the available drawdown could risk physical damage to the well borehole resulting from fracture de-watering because of the cavernous nature of the fractured limestone.

Using the current pump settings and 2018 available drawdown in the wells, the potential for an increase in current yield has been evaluated in the table below.

Table 4.3 - Assessment of Potential Yield Increase for Wells 1 and 2

Well ID	Pump Setting (feet)	5% Safety Margin Above Pump (Feet)	Pumping Water Level (feet)	Calculated Water Column Available (feet)	Specific Capacity ^{1/} (gpm/ft)	Potential Increase in Yield (gpm)
Well 1	205	9.8	170	25.2	2.50	63
Well 2	351	16.8	329	5.2	2.55	13

^{1/} Specific Capacity values calculated with the wells pumping concurrently.

gpm gallons per minute

gpm/ft gallons per minute per foot of drawdown

The theoretical increases in yield from Wells 1 and 2 are 63 gpm and 13 gpm, respectively, for a combined increase of 76 gpm. However, additional aquifer testing would need to be conducted to confirm any potential increase in the safe yield of the wells. Several factors could contribute to limit this potential increase, including a decrease specific capacity as the pumping rates increase, the variability of

the mutual water-level interference between the wells, potential fracture dewatering, and a further decrease in the regional aquifer water level with continued pumping and/or prolonged drought conditions.

Development of a third water-supply well at the well field is recommended to provide a redundant source for the water system. Under current conditions, if either Well 1 or Well 2 were to fail as a result of a mechanical pump issue or a collapse in the borehole, the well field would likely no longer be able to produce 1.7 mgd to meet system demand. A backup well would be insurance against this occurrence. However, a third bedrock well will not likely increase the overall available withdrawal from the well field because of mutual pumping water-level interference effects.

4.5 Test Well 3 - Camera Inspection

A third bedrock well was observed at the well field during a site visit conducted in August 2017. The well is located outside, near the Well 2 pump house. The well was observed to be constructed with 8-inch diameter casing which extends several feet above the ground. The high casing was likely installed to be above the floodplain elevation in the area.

A camera inspection of the well was completed on August 27, 2017. The table below is a summary of the observations from the inspection.

Table 4.4 - Description of Well 3 Camera Inspection

Depth (feet)	Comment
0 - 80	8-inch diameter casing, light/mild buildup of dark blebs on casing
80 - 127	8-inch diameter casing, thick buildup of dark blebs on casing, water level at 93 feet below top of casing
127 - 253	Bedrock with cavernous, weathered limestone. Possible fractures at 140 feet, 165 feet, 237 feet (foreign wire/cable encountered at 190 feet and 210 feet)
253	End of borehole, possible obstruction.

The depth to water in the third well was 93 ft btoc (feet below top of casing). It is likely that the relatively deep water level was caused by water-level drawdown interference from Well 1 and/or Well 2 pumping nearby.

Based on the relatively small casing diameter and the borehole condition in Well 3, this well is not likely suitable for consideration as the backed up supply well for the well field. The 8-inch diameter casing imposes a limit on the size of the submersible pump that can be installed in the well which could limit the capacity to 300 to 400 gpm regardless of what the well can actually yield. Ideally the redundant source should be able to pump at least 800 gpm.

The other concern for Well 3 is the condition of the well and the potential obstruction observed during the inspection. Obstructions often occur in wells when the borehole partially or fully collapses. It is known that the cavernous limestone at the well field can be unstable (Well 1 had to be screened because of this). If collapsing has already occurred in this well, it can be an indication that borehole is already unstable. The agitation from redevelopment and cleaning the well could exacerbate the problem, and lead to the requirement of a greater investment of money to get the well into suitable condition.

Well 3 could be considered for pursuit as a potential back up well, however, its limitation would need to be factored into the decision.

5.0 Pump House Road Sand and Gravel Aquifer Exploration Program

A groundwater exploration of the sand and gravel aquifer underlying the Pump House Road parcel was conducted in 2017 to assess the yield potential of the aquifer. Three small-diameter test borings using the drive and wash drilling method were completed at three locations (figure 8) to assess the depth of the formation, the saturated thickness, and the coarseness and stratigraphy of the aquifer material. Small-diameter test wells were completed at each location and the well logs and well completion reports are located in Appendix X.

Sand and gravel aquifers, also called unconsolidated stratified-drift deposits, are the best source for development of large quantities of groundwater. To be a viable high-yielding aquifer, the unconsolidated deposits must contain pores or open spaces which can fill with water, and these openings must be large enough to permit water to move through them toward a well(s) at an adequate rate. As a result, fine-grained material (silt and clay) will not yield adequate water for development of high-yielding wells. Coarser sand and gravel material contains less water storage but have larger open spaces through which water can move readily and, therefore, these formations are more suitable for development of high-yielding wells.

Test well Locations 1 and 2 encountered sand and gravel aquifer material at depth, however, the material was fine-grained (silt and clay) and did not yield adequate water for the development of high-yielding wells. Test well Location 3 encountered sand and gravel material at depth (64 to 74 feet) and the material was somewhat coarser, however, it contained some silt and clay. The yield potential at this location was considered to be less than 100 gpm. The sand and gravel aquifer explored within the well field parcel boundary is not considered suitable for the development of a high-yield well.

6.0 FISHKILL CREEK

As a part of this study, LBGHES has evaluated the volume of water the NYSDEC would potentially authorize the City to withdraw from Fishkill Creek as a source of future drinking water. In 1964, the NYSDEC authorized the City (1964 WSA 416, with additional modifications in 1969, 1972, 1979 and 1981) to take up to 6 mgd from Fishkill Creek. The authorization was granted with the provisions that adequate treatment facilities were to be constructed and that the City could demonstrate the need for the water withdrawal. The 1964 authorization was never implemented by the City and the permit has lapsed. Therefore, any future withdrawal from the Fishkill Creek would require that a new water withdrawal permit application be submitted to and approved by the NYSDEC.

Current regulations require that permits issued by the NYSDEC for groundwater or surface-water withdrawals consider and incorporate flow-related conditions into the permitted quantity. These flow-related conditions are designed so that a proposed withdrawal “will result in no significant individual or cumulative adverse impacts to the quantity or quality of the water source and water dependent natural resources, including aquatic life”. The most effective way to minimize adverse impacts to water-bodies related to withdrawals is the uses of restrictions that quantify the availability of water at a given location. Based the methodology outlined in the NYSDEC’s “Technical Methods for Determining Passby Flows or Ungagged Waterways”, approximately 0.7 mgd could potentially be withdrawn from Fishkill Creek with little to no pumping restrictions. If pumping restrictions are acceptable to the City from July through October, then a permitted withdrawal of approximately 1 to 3 mgd from Fishkill Creek is potentially feasible.

The estimated Fishkill Creek withdrawal values present above assume that there are no cumulative withdrawal effects from other upstream or downstream permitted users. This would have to be further explored if the submission of a water withdrawal application is pursued. In addition, the City will demonstrate a documented need for additional the additional water-supply in order for NYSDEC to consider the application. If the City considers Fishkill Creek as a viable water-supply option, a meeting with the NYSDEC is recommended to discuss any other environmental concerns that may exist related to permitting of this source.

7.0 WATER SUPPLY PLANNING

7.1 Source Description and Safe Yield

The City is supplied water from the Mt. Beacon Reservoir (and Beacon Pocket), the Melzingah Reservoir, the Cargill Reservoir, the City's Pump House wells (Well 1 and Well 2) and the Village of Fishkill. All of the water from the sources of supply are conveyed to the existing water treatment plant (WTP) where the water is treated and conveyed into the City distribution system. A brief description of the sources of supply is provided below. The description was obtained from the O'Brien & Gere Safe Yield Analysis completed during 2015.

- Mt. Beacon Reservoir and the Mt. Beacon Pocket are located in the Town of Fishkill approximately one mile east of the City. Water from the reservoir is released down Dry Brook to a small impoundment at Beacon Pocket. Water flows via gravity from the Beacon Pocket through approximately 1,000 feet of 8-inch and 12-inch water mains. Due to the small drainage area for Mt. Beacon Reservoir, the City's operational practice is to minimize withdrawals from the reservoir. Water withdrawn from Mt. Beacon Reservoir is conveyed by Dry Brook to the Mt. Beacon Pocket which consists of a small impoundment (0.2 mg (million gallons)) which includes piping for delivery of water to the City's system. The Mt. Beacon Pocket has a very small volume of water storage and the watershed is not a consistent contributor to the City's water supply. The City utilizes water from the Mt. Beacon Pocket to the maximum extent practicable in order to preserve storage in the water-supply reservoirs. The safe yield of the Mt. Beacon Reservoir was estimated by LBGHES to be 0.33 mgd (million gallons per day) (229 gpm (gallons per minute assuming 24 hours of operation)).
- Melzingah Reservoir is located approximately two miles south of the City in the Town of Fishkill. Water from the reservoir flows by gravity through approximately 8,000 feet of 12-inch transmission main. Of the three City reservoirs, Melzingah has the least storage and the largest watershed so the City's present operational practice is to utilize water from this source prior to June of each year. The reservoir typically remains offline during the summer months (June, July, August and September). LBGHES estimates that the safe yield of the Melzingah Reservoir is 0.16 mgd (111 gpm, assuming 24 hours of operation).
- Cargill Reservoir is located in the Town of Philipstown approximately five miles east of the City. Water from the reservoir flows via gravity through a 10-inch transmission main to the Cargill Tank and then through approximately 20,000 feet of 10-inch transmission main via gravity where the line is connected to the discharge line from the City's existing wells (Nos. 1 and 2). At this convergence, the flow from the sources of supply exceeds the carrying capacity of the transmission pipe resulting in a "bottleneck". To alleviate the bottleneck, alternative approaches directed at increasing the carrying capacity of the transmission pipe should be evaluated. Water from Wells 1 and 2 and the Cargill Reservoir are conveyed to the City's water system through an 18-inch transmission main. LBGHES has estimated the safe yield of this reservoir as 0.37 mgd (257 gpm, assuming 24 hours of operation).
- City Pump House wells are located approximately three miles from the City in the Town of Fishkill adjacent to Fishkill Creek. These two wells were constructed in 1960 and 1980. The safe yield of the wells was determined by LBGHES to be 1.73 mgd (1,201 gpm).

- The City has an inter-municipal contract with the Village of Fishkill for the sale of 1.2 mgd and this supply is provided through the existing transmission piping. By 2020, the inter-municipal contract with the Village of Fishkill will provide for up to 1.5 mgd following the completion of a well replacement program at the Village of Fishkill well field and infrastructure upgrades to convey 1.5 mgd to the City.

As noted above, the bottleneck associated with the transmission pipes from the Cargill Reservoir and Wells 1 and 2 requires further investigation to identify the available options to increase the carrying capacity of the piping system that conveys raw water to the water treatment plant. The options could include replacement with a larger diameter pipe, installing (or utilizing an existing) parallel pipe or installing pumping equipment to pressurize the pipe.

Based on the above component safe yield estimates, the total safe yield is estimated to be 4.09 mgd (Mt. Beacon Reservoir: 0.33 mgd; Melzingah Reservoir: 0.16 mgd; Cargill Reservoir: 0.37; City Wells: 1.73 mgd; Town of Fishkill: 1.50 mgd).

The City supplies water to the residential, commercial and municipal customers within its service area. In addition, the City supplies water to two correctional facilities and a development located in the Village of Fishkill (Rombout Water District). The City currently has a contract with the Rombout Water District to supply up to 0.50 mgd.

7.2 Historic Population and Population Projections

Historical population and population projections for the City are listed in table 7.1. The population data for the City was obtained using U.S Census data. The City population identified in the table does not include the population associated with the correctional facilities or the population that is served outside the City. The description provided below was prepared in coordination with the City's Planning Consultant.

The population projection estimates (2022, 2030 and 2035) include projects currently under construction or under review, as well as the long-term build-out of all major properties in the City. These population numbers are intended to be used to evaluate potential water demand as part of this analysis of the water-supply capacity.

The projections are based on the New York Residential Demographic Multipliers produced by the Rutgers University Center for Urban Policy Research in 2006. These are the most widely used standard for housing projections, but they may tend to over-estimate future residents because of the continuing trend toward smaller households over the last 50 years.

The 2022 projection includes projects that have been identified by the City Building Department. The totals are broken down by projects under construction, projects with approvals but not yet started, and applications before the Planning Board, including those submitted as of July 25, 2017. The total projected population for all projects under construction or under review as of July 25, 2017 is estimated to be 2,026 residents. Added to the latest 2017 Census estimate of 13,498 (which excludes the correctional facility population), the total estimated City population for 2022 could grow to 15,524 residents, assuming that all the proposals were approved, constructed, and occupied.

For the longer-term build-out estimates (2035), City maps were reviewed to determine which properties were likely to be developed or were within the realm of future possibility over the planning period. The analysis included vacant land that could be reasonably developed, vacant structures, and active buildings, primarily along Main Street, which could be redeveloped at a higher intensity, all based on existing zoning.

Combining projects under construction, all current applications, and potential City-wide development in the foreseeable future with the 2017 Census figure of 13,498 gives a total estimated build-out population of 18,753 by 2035. These estimates assume that all the projects under review will be completed over the planning periods, which is by no means guaranteed, and all the major vacant or under-developed sites in the City will be fully built-out, which may take decades. Proposed projects may be delayed or withdrawn and housing markets often go through growth spurts then cycle downward for years. The build-out population estimates are attached as Appendix XI.

7.3 Historic Water Production and Consumption

7.3.1 Water Production

The water production values for the years 2013 through 2017 are presented in table 7.2 and are based on values identified in the NYSDEC Water Withdrawal Reports. The Water Withdrawal Reports identify the sum of the production values measured at each source of supply. These reports identify the average daily, maximum day (peak day) and monthly withdrawal (production) from all City sources of supply. The reports identify an average daily production ranging from a low of 2.45 mgd in 2013 and 2017 to 2.69 mgd in 2016. The maximum month production ranges from a low of 69.891 mg (1.99 mgd) in November 2015 to a high of 94.688 mg (3.15 mgd) in April 2014. The peak day production ranges from a low of 3.05 mgd in 2017 to a high of 3.37 in 2016. The average daily production, maximum month production and peak daily production for the years 2013 through 2017 are identified on figure 10. The Water Withdrawal Reports are attached as Appendix XII.

7.3.2 Water Consumption

City billing summaries were reviewed to determine the total volume of water that was sold to the City water system customers and to compare the volume of water sold to the volume of water identified on the NYSDEC Water Withdrawal Reports. The volume of water sold by the City for the years 2013 through 2017 is displayed on table 7.3 and table 7.4. Tables 7.3 and 7.4 identify the distribution of the water supplied by the City to the specific user groups which include residential, commercial, municipal, correctional facilities and the Rombout Water District. The tables indicate that the total average daily consumption ranges from a low of 1.82 mgd in 2013 to a high of 2.00 mgd in 2016. Estimates of the maximum month consumption and the peak day consumption were obtained by multiplying the average daily consumption by a multiplier identified in table 7.2. The multiplier for the maximum month consumption is the ratio of the maximum month production and the average daily production, identified in the NYSDEC Water Withdrawal reports. The multiplier for the peak daily consumption is the ratio of the peak daily production and the average daily production, identified in the NYSDEC Water Withdrawal reports. The multiplier for maximum month and peak day are based on production because monthly and peak daily consumption values are not available. The historical water consumption is displayed on figure 11.

Tables 7.3 and 7.4 also identify the non-revenue water and the unaccounted for water values for 2013 through 2017. Non-revenue water is all water that is produced from the City sources of supply that does not generate revenue. Unaccounted for water is the water that is produced from the City sources that is not metered. Unaccounted for water includes water that is lost through leaks in the transmission pipes from the sources of supply to the water treatment plant and leaks in the distribution system between the water treatment plant and the City customers. The non-revenue water is approximately 4%. The unaccounted-for water ranges from a low of 22.25% in 2017 to a high of 26.72% in 2014.

7.4 Projected Water Production and Consumption

7.4.1 Projected Water Production

The projected water production is based on the existing service population and the increase in the population during the 2022, 2030 and 2035 planning periods. The projected water production is displayed on tables 7.5 and 7.6 and figure 12. The tables indicate that the average daily production increases to 3.05 mgd in the year 2035. The projected values assume that the unaccounted for water is reduced to 15% for the planning periods.

7.4.2 Projected Water Consumption

The projected water consumption is displayed on tables 7.7 and 7.8 and figure 13 and the projected water consumption is categorized into the residential, commercial, municipal, correctional facilities and the Rombout Water District consumption. The projected residential water consumption is based on the existing service population and the increase in population during the 2022, 2030 and 2035 planning periods. Commercial growth within the City is expected to occur along Main Street in the Linkage/Waterfront area and along the Fishkill Creek corridor. The estimated commercial growth for the 2022 and 2030/2035 planning periods are estimated to be approximately 31,000 square feet and 198,000 square feet. Because the water demand associated with commercial development cannot be predicted due to the varied nature of commercial use, an estimated unit increase is assumed to account for the future commercial growth. The 2022 projected commercial consumption was estimated by including an additional 2,500 gpd to the 2017 consumption. The 2030 projected commercial consumption was calculated by adding an additional 10,000 gpd to the 2022 projected commercial consumption and the 2035 projected commercial consumption is determined by adding 10,000 gpd to the 2030 projected commercial consumption. With regard to the municipal demand, it was assumed that there would be no growth in the water consumption, therefore, the municipal demand was assumed to be the 2017 municipal consumption.

The future consumption for the correctional facilities is based on the assumption that the correctional facilities are at their maximum capacity and there will be no additional growth. Therefore, the projected consumption from the correctional facilities was assumed to be the average of the 2013 through 2017 correctional facility consumption. The 2022, 2030 and 2035 projected consumption from the Rombout Water District was assumed to be the contract limit of 500,000 gpd.

7.5 Finished Water Storage Capacity

The City utilizes three atmospheric storage tanks in the distribution system. The tanks include the Howland Tank, the Fairview Tank and the Mount Beacon Tank. The Howland Tank is constructed of steel and has a capacity of 1 mg. This tank was constructed in 1995 and is reported to be in good condition. The Fairview Tank is constructed of steel and has a capacity of 1 mg. The tank was constructed in 1982 and is reported to be in poor condition because the level of rusting that the tank has experienced. It is anticipated that the tank will be replaced with a 1.5 mg tank within the next five years. The Mount Beacon Tank is constructed of steel and has a capacity of 1 mg. The tank is believed to have been constructed in 1952 and it is reported to be in fair condition. The Howland Tank and the Fairview Tank provide service to the majority of the City. The Mount Beacon Tank primarily serves the high district.

The Recommended Standards for Water Works (RSWW), 2012 Edition, indicates that storage facilities should have a sufficient capacity to meet domestic demand and, where fire protection is provided, fire flow demands. Considering the average daily consumption is approximately 2.0 mgd and the projected average daily consumption is 2.67 mgd (2035 consumption), it appears that the existing

storage capacity (3.0 mg) is adequate to satisfy the current consumption and, with the replacement of the Fairview Tank with a 1.5 mg tank, the projected average daily consumption should be satisfied. With regard to fire flow, the RSWW indicates that the fire flow requirement should be established by the appropriate state Insurance Service Office.

7.6 Existing Water Treatment Facility

All the water produced from the City sources of supply is treated at the existing water treatment plant. The water treatment plant was designed/built to treat 4 mgd with a peak instantaneous treatment capacity of 6 mgd. The treatment consists of the addition of alum and polymers for coagulation and the injection of chlorine for disinfection. The water with the alum, polymer and chlorine is directed into a contact basin to allow for the larger particles to settle and contact time for disinfection. The next step in the treatment process directs the water from the contact basin through multi-media filters to remove the particles that were not separated during the coagulation process. Treated water is then directed to a clearwell where high lift pumps convey the treated water to the City distribution system. Zinc orthophosphate is then injected into the treated water for corrosion protection and chlorine is again injected to maintain a chlorine residual in the distribution system. The existing water treatment facility meets present and future water-supply demands and was constructed in 1995.

7.7 Water Supply Discussion

As indicated on tables 7.1 and 7.2 and figure 10, the average daily production has generally been increasing since 2013, with the highest average daily production being recorded in 2016 at 2.69 mgd (table 2). Tables 7.3 through 7.5 and figure 11 indicate that the average daily consumption from the existing customer base is slowly increasing with the highest consumption period occurring in 2016 at 2.00 mgd. Using 2017 data from tables 7.2 and 7.3, the average daily production was 2.45 mgd and the average daily consumption was 1.91. If the values were subtracted, the resulting unaccounted-for water would be 0.54 mgd. This translates to an unaccounted-for water percentage of approximately 22%. Generally speaking, an unaccounted-for water of 15% is considered acceptable. A recent leak detection survey has been completed by the City and the survey identified several leaks in the distribution system ranging from 250 gpd to 50,000 gpd, with the total leakage being 217,250 gpd. All the leaks have been repaired and the unaccounted-for water would need to be evaluated again after the first quarter of 2018 when consumption and production data are available.

The production projections (tables 7.5 and 7.6) were calculated using an unaccounted for water loss of 15%. Therefore, if the actual unaccounted for water is greater than 15% the projections will increase and, conversely, if the actual unaccounted for water is less than 15%, the projections will decrease. Figure 12 indicates that the 2035 average daily production, maximum month production and the peak day production are below the safe yield (4.09 mgd) of the City sources of supply. These production values suggest that the City has an ample supply of water.

Figure 13 indicates that the projected consumption gradually increases over time. One of the reasons for the gradual increase over time is volume of water that is used per capita within the City is approximately 55 gallons per person per day (gppd). It is important to note that this usage is based on consumption data and not production data. If the usage per capita were based on production data, usage per capita (usage per person) would be greater, which would result in an increased projected residential consumption. In addition, any new construction would include the use of low flow fixtures and as homeowners switch to more efficient appliances and fixtures, it is expected that the usage per day per person would decrease. A study was completed by the Water Research Foundation, entitled Residential End Uses of Water, Version 2, 2016, which indicates that indoor usage per person would reduce to approximately 37 gppd.

7.8 Climate Change

The New York State Energy Research and Development Authority (NYSERDA) prepared a report entitled, “Responding To Climate Change in New York State: The CLIMAID Integrated Assessment For Effective Climate Change Adaptation in New York State”, dated 2011 and updated in 2014 (NYSERDA Report). The NYSERDA Report indicates that, among other items, temperatures are increasing. These changes are projected to accelerate because of increased concentrations of carbon dioxide and other greenhouse gases in the atmosphere. Throughout the Northeast, heavy rain events have become more frequent, and cold events have become more rare. These and other climate changes are projected to lead to increasing impacts across New York State’s natural systems. Projections for New York State updated climate models and methods have helped scientists refine their previous projections for higher average temperatures, changing precipitation patterns, and sea level rise in New York State. Scientists also project an increase in the frequency of extreme events, such as heat waves, heavy downpours, and coastal flooding. In addition, increases in temperature are likely to decrease the fraction of precipitation falling as snow. This will lead to shifts in seasonal stream flows. The NYSERDA Report further indicates that many observational and modeling studies suggest that late winter and early spring flows will increase and that spring snowmelt will occur earlier in the year. Thus, even if there is more annual streamflow, it may be distributed unevenly over the year, with lower flows in the late summer and autumn and higher flows in the late winter and spring. Precipitation feeds the hydrologic cycle and changes in precipitation amounts and frequency can cause changes in stream and river discharges, lake levels, and groundwater levels. Based on historical observations, precipitation in New York State has been increasing both in total annual amount and in intensity.

To assess the vulnerability of water supplies due to climate change, the NYSERDA Report assumes that long-term average water supply will remain largely the same, but, consistent with the climate projections, the duration and/or frequency of dry periods may increase. To compare vulnerability, water systems in the state have been classified based on the amount of time over which they can handle a temporary, but sizable, decrease in water supply. For both surface water supplies and groundwater supplies, the systems are divided into three categories: 1) sensitive to short droughts (two months) and longer; 2) sensitive to moderate droughts (six months) and longer; and 3) relatively insensitive to any droughts. Surface water supply systems that are relatively insensitive to droughts draw from a water source that greatly exceeds any potential demand. Nonetheless, on a relative basis, the water supplies within this category can generally be considered highly resilient to climate change. That is, although lake levels will likely be affected by climate change, lake volume is not expected to be altered enough to constitute a risk for these supplies. Surface water supplies sensitive to short-drought periods are those served by what are called run-of-the river systems (i.e., where water is pumped directly from the river) within a small drainage basin. A run-of-the river system has either no storage reservoir or a very small storage reservoir. This design assumes that the minimum river flow always exceeds human demand, plus some required conservation flow necessary to sustain fish and other aquatic organisms and the needs of any downstream communities or other permitted users (e.g., industries) that rely on the same river. Of primary concern are communities that use smaller rivers and streams. As a consequence of shifts in the timing of stream discharge (i.e., more discharge in winter time and less in summer time) and reduced frequency of summer rainfall, there may be new lows in streamflow. A brief period of very low water flows could greatly disrupt the habitability of a community relying on a small run-of-the-river supply. Other surface-water systems in New York are those with a reservoir located on a stream or river and fall into the category of sensitive to moderate drought. A reservoir is constructed when the long-term average surface water supply is sufficient to meet long-term average demand but when short-term variations (from months to years, depending on the system) may lead to deficits between supply and demand. For example, runoff is generally much higher in the winter, while demand is much higher in the summer (for uses such as lawn watering, car washing, pools, and commercial air chillers). Reservoirs are frequently constructed to store high winter and spring runoff for use in the summer and autumn. Inherently, reservoirs are only designed to extend supply over a dry period of a certain length. All reservoir systems

will be stressed if there is a downward shift in their long-term average supply or a large increase in demand associated with population influx, increased irrigation, or growth of water-dependent industries. Water systems with sufficient reservoir storage will face limited negative consequences even if short-term variations change, as long as the long-term mean inflows and demands remain similar to historical conditions. To provide a simplified picture of the vulnerability of reservoir systems across the state to droughts of varying durations, NYSERDA calculated the number of days it would take for the maximum storage volume in a reservoir system to be depleted given historical rates of demand, adjusted down by 20 percent to account for conservation. This approach notably ignores factors such as inflows during the dry period, required discharges to protect fisheries, and the fraction of the total storage volume that is not usable. Beacon was identified as having 118 days of available supply without any inflow. It should be noted that this available supply is only intended as a simple estimate to allow for comparison across systems of greatly varying size and should not be interpreted as a definitive measure of system resilience to drought. Further discussion regarding the safe yield of the City reservoirs is presented above.

Groundwater sources can be categorized in the same way as surface water, sensitive to short droughts (two months) and longer, sensitive to moderate droughts (six months) and longer. As with annual streamflow, average annual recharge (the amount of groundwater replenished from surface water sources) is considered to remain approximately the same with climate change, but there may be changes in yearly timing of recharge. Additionally, compared to studies of surface water, studies that assess groundwater recharge under a changing climate remain scarce, and there is a considerable amount of uncertainty surrounding the assumption of no change in recharge. Municipal-scale groundwater systems generally only exist in areas overlying high-yielding glacial sediments. Coarse glacial sediments have a large capacity to transmit and store water, unlike bedrock or finer-textured silt and clay deposits that underlie other areas. These glacial sediments act as an underground reservoir, accumulating and storing water during periods of recharge. Drier soil moisture conditions during the summer and autumn, however, may reduce annual recharge. But decreases in recharge under a changing climate would likely be minimal since the majority of recharge to aquifers occurs during the late winter and early spring and not in the summer. A comparison of methods to estimate recharge in an upland watershed in central Pennsylvania found that at most 10 percent of annual groundwater recharge traditionally occurred in July and August. Thus, a complete loss of this summer recharge under changing climate conditions would only reduce annual groundwater supplies by a limited amount, and wetter springs may be able to compensate for these summer declines.

The City draws its supply from three water-supply sources consisting of surface water, bedrock aquifer and a sand and gravel aquifer. Therefore, the varied sources of supply would suggest that the City is less sensitive to climate change.

7.9 Water Conservation

7.9.1 Demand Management

Demand management consists of those conservation measures which achieve long-term water savings by providing incentives and technical assistance to consumers as a means of improving efficiency of water use and reducing waste. Such water conservation measures, whereby suppliers work to influence water consumption, is the most fundamental approach to water conservation, since the ability to conserve water lies primarily with the water user. Consequently, the success of these measures is highly dependent upon consumer participation and cooperation. The NYSDEC has developed a guidance document, dated May 1998, entitled, “Water Conservation Manual – For the Development of a Water Conservation Plan” and the purpose of the document is to provide guidance on the components of a water conservation plan.

The demand management program proposed herein will, therefore, focus predominantly on those measures and approaches which achieve permanent long-term water savings without requiring major user habit changes. The five basic demand management techniques are as follows:

- Installation of water conserving, low-flow plumbing devices (retrofit) and revision of plumbing code regulations.
- Promotion of water recycling and efficient use and reuse; provision of technical assistance to industrial, commercial and governmental users.
- Public education on water conservation and water supply issues.
- Appropriate use of fees, rates and charges.
- Water use regulations and restrictions.

The most effective measures are those that achieve long-term water savings without great expense, effort or inconvenience to water users (e.g. installation of water saving devices and technologies, manufacturing process changes, or pressure reduction). In comparison, the effectiveness of water use restrictions and other methods that require intensive participation or habit changes are likely to diminish over time.

The purpose of this section is to outline the efforts that the City can implement for the purpose of reducing inefficient water use throughout the City water distribution system, utilizing the Residential Retrofit Program (RRP), the Major User Technical Assistance Program (MUTAP), public education and information efforts, pressure reduction, and appropriate use of fees, rates and charges.

7.9.2 Goals

The demand management goals are divided into short-term and long-term goals, summarized as follows:

Short-Term Goals

1. minimize peak demand use requirements; and
2. implement system-wide Residential Retrofit Program.

Long-Term Goals

1. minimize average demand use requirements; and
2. provide water-use audit services to all major users.

7.9.3 User Metering

One hundred percent (100%) of the water delivered to the residents of the City water system customers is metered. With regard to municipal metering, the City goal is for 100% of municipal metering.

7.9.4 Residential Retrofit Program

A review of the most recent annual water consumption data (calendar year 2017) indicates that residential water use accounts for approximately 75% of the volume of water sold by the City. This does not include water supplied to the correctional facilities nor outside the City. Typically, inside the home, most water is consumed in the bathroom, where toilets, showers and faucets often use or deliver more water than is actually necessary. A Residential Retrofit Program replaces or modifies these fixtures with low-flow devices that automatically use less water, thus reducing waste while resulting in minimal cost, effort and inconvenience to the consumer.

7.9.5 Existing Program

All new residential and remodeling construction is required to install water conservation devices in accordance with the latest revision of the State of New York 2010 plumbing code. In addition, as indicated in Section 7.7, indoor residential water use is expected to decrease as a result of the replacement of older appliances and fixtures with more efficient equipment. Due to the fact that an extensive number of City's current customers are residential, implementing a residential retro-fit program would also be expected to reduce the demand. The following outlines a suggested procedure with a view to developing such a program.

7.9.6 Retrofit Kits

Kits containing water-saving plumbing devices and information on installation of said devices could be offered to customers. Such kits would contain at a minimum, two low-flow faucet aerators; one low-flow showerhead; one toilet displacement device, and complete illustrated installation instructions; one package of leak detection tablets and illustrated leak detection pamphlet; a re-order card for obtaining additional equipment; and a survey form to evaluate the potential for long-term water conservation.

7.9.7 Retrofit Kit Distribution

If the City distributed retrofit kits, the City would coordinate the distribution to each location. As many as possible of these kits would be distributed directly to the residential dwelling units through door-to-door delivery. In cases where such delivery is not feasible, the City could mail kits to the respective customers. During all hand deliveries, City staff would remain cognizant of the need to educate all customers of the intent and importance of the retrofit kits, as well as offer installation assistance to homeowners.

Distribution of kits to residential users in apartments and multi-family housing units serviced by single meters would be made to the owner or manager of the apartment or multi-family unit. Multi-family kit request cards would be developed and distributed.

Within 30 to 60 days of distribution of the retrofit kits, customers would be reminded of the importance of water conservation and of the need to install the water-saving plumbing devices.

7.9.8 Public Education and Information – Residential Retrofit Program

An effective public education and information program is critical to the successful implementation of the Residential Retrofit Program. Public education could be utilized as appropriate to educate the residential user population regarding the proposed program.

The City's approach to public education shall focus on two main goals. The first being the education of its users into becoming well informed about the City's water-supply system, its day-to-day operations, and the costs associated with the delivery of such water. Such awareness can only lead to increased customer response to the second goal of this element of the plan, which is to promote complete acceptance of the Residential Retrofit Program.

A number of effective methods could be utilized by the City for public education. One option could be bill stuffers that would describe the importance of water conservation and provide information tools that could reduce water demand. An initial mailing advising of the impending program should be distributed to the targeted group followed by a second informational flier included in the retrofit kit. These fliers could be developed in-house or with assistance from the regulatory authorities of the State. They may also be purchased from the American Water Works Association (AWWA).

Additional initiatives, such as presenting articles or advertisements in the local newspaper, as well as exhibiting posters and public displays, should further reinforce customer awareness and acceptance of the retrofit program. In-school programs are also an effective means of educating the water-using public, as the programs provide an important and successful means of teaching water awareness and developing an ethic of individual responsibility for resource conservation among young people.

7.9.9 Program Evaluation

The City would maintain a data file of all customers targeted as part of this program.

7.9.10 Major Users Technical Assistance Program (MUTAP)

As reported previously, the City supplies water to two correctional facilities. Because the correctional facilities have specialized needs, an individual targeted approach is generally considered to be more cost effective than broad regulations or water use restrictions.

The City also supplies water to the City wastewater treatment plant in support of the filtering process. The City is evaluating the potential for use of gray water as a substitute for use of potable water as the process water.

The City could adopt a long-term goal of performing water-use audits and providing assistance with the planning and implementation of sanitary device retrofits for all these major users.

A *water-use audit* is defined as a process of accounting for and verifying the water use of a particular system customer for the purpose of identifying and quantifying the volume of wasted water, and generally involves:

- determining the scope of the audit;
- gathering necessary data;
- verifying the data;
- testing meters;
- measuring or estimating volumes of individual types of water use and unaccounted-for water;
- reviewing policies and procedures for accuracy and necessity; and
- preparing a summary sheet and determining what actions to take as a result of the audit.

This work will require onsite analyses, close coordination with the user management and staff and evaluation of the specific user classification water consumption processes. Water-use audits accomplish several important functions. They:

- pinpoint water consumption within the organization and indicate which functions and sites consume the most water;
- provide details regarding the cost of water used in the following essential areas - sanitary, domestic, heating and cooling, process use and outdoor use;
- establish the peak water consumption times over each 24-hour period (and possible water leakage during non-working hours);
- identify those job sites and functions which can most readily conserve water; and
- aid in defining operational/maintenance procedures which are wasteful and could be changed to yield greater savings.

The water-use audit shall utilize the existing service meters to quantify the volume of water supplied to the user. These meters would be field tested to determine how many are broken, under-registering or otherwise malfunctioning.

7.9.11 Water-Use Audit Procedure

The following procedure is presented as a suggested approach to conducting water-use audits of the major customers within the City's water-supply system:

Task 1 - Identify Customers

- Identify customer through connection number, building name or number, assessor's parcel number, street address, account number, meter serial number, or some other system.

Task 2- Quantify Customer Water Use

- Select a water-use audit study period. Typically, a 24-hour period is long enough to analyze and evaluate customer water use.
- Choose the measurement units for the audit.
- Record the necessary service meter readings to determine the quantity of water used during the study period.
- Verify and adjust meter readings (when applicable). Given the current meter replacement program, it is unlikely that meter inaccuracy will be a frequent problem.

Task 3 - Identify Customer Categories of Water Use

- Inspect customer premises as required, or provide questionnaire (checklist) to customer (when applicable) for the purpose of categorizing customer water use: process; sanitary; domestic; heating; cooling; research; experimental; outdoor; and other such uses. These questionnaires should be provided to the respective user management personnel.

Task 4- Identify Water-Use Improvements

- Once information is available from Tasks 1 to 3, the customer's water use should be carefully reviewed to highlight areas in which overall efficiency of water use can be improved and minimization of use achieved. It is likely that this data will present desirable opportunities for the replacement or retrofitting of existing equipment and processes among these users.

Some typical examples of water conservation opportunities are as follows:

- 1) Recycling and reuse of cooling and process water.
- 2) Pressure reduction.
- 3) Increased efficiency of application of process water.
- 4) Use of wastewater from one product as process water for another.
- 5) Leak detection and repair.
- 6) Modification of process to reduce or eliminate water use; for example, switching from water to air cooling.
- 7) Substitution of self-supplied, lower quality water for processes which do not require potable quality.
- 8) Changes in landscaping and external water use.
- 9) Use of water conservation techniques in sanitary facilities to reduce consumption by employees.

Task 5 - Identify Peak Demand Reduction Opportunities

- Peak demand in the supply system typically occurs during the months of June, July and August. Peak daily use occurs during the early morning and early evening hours. It is important, therefore, during the application of a water-use audit program, that existing processes be thoroughly defined in order to provide information on the quantity and durations of water use. Opportunities will likely become apparent for the potential reduction in average daily and average monthly water use requirements.

Information should be collected regarding the flexibility of such processes to allow possible revisions in order to permit altering significant water use to off-peak hours. Water uses such as irrigation and general maintenance, for example, are not, in most cases, time-dependent nor critical in nature and such uses should be streamlined for occurrence during non-peak demand hours. The water-use audit should identify other such uses that could likewise be revised.

Task 6 - Provide Consumers with Leak Detection Services

- An important component of demand management is the identification of system leaks. It is imperative that user leaks be minimized as much as possible. Part of a water-use audit procedure should thus involve disseminating appropriate leak detection services to all the major users. The water-use audit of the major users should include information on leak detection services that could be referred or offered to these customers.

Task 7 - Provide a Written Audit Report to the Customer

- Once the system's major users have been audited and the subsequent information has been reviewed, a written audit report to each customer shall be prepared in cooperation with the major user. Such reports should summarize the scope of the audit, compile process information, and include specific recommendations for more efficient water use and minimization of waste.

The audit report should also include data on implementation costs, projected water savings, and payback periods. System users should be encouraged to pursue the implementation of the report recommendations, and the potential cost savings in water, sewer, heating and/or operating costs should be highlighted as an incentive to these users. It may be both worthwhile and effective to offer additional incentives to the recipients of the audit, such as designating a special award or certificate of appreciation in recognition of a specific user's water conservation efforts.

The audit shall also evaluate the potential within each facility for matching the end uses of water to the quality necessary for that purpose. Onsite processes where existing potable water use could be replaced with non-potable water by using raw, partially treated or recycled water/wastewater shall be identified and targeted. Such process revision/retrofitting shall include provisions for cross connection control and backflow prevention as required to minimize the threat to the distribution system.

7.9.12 Public Education – Demand and Supply Management

Public education and information programs constitute a critical and necessary component of demand and supply management oriented water conservation programs.

It is important to remember that the average customer knows very little about water supply: where it comes from; how much he or she uses; or what costs are involved. As such, public education programs need to be specifically designed in order to effectively transmit water conservation information and encourage users to conserve. The selected program can be designed from a number of methods; the important element being whether the chosen methods can effectively impart conservation information to

the system users. Typically, several methods are used in combination to ensure that all users are exposed to the information.

A number of effective methods are utilized for general public education. The most common methods are the following:

Media/Publicity:

- news releases and public service announcements;
- photographs, posters, billboards;
- media kits and fact sheets;
- films and videos available to the public;
- public notification about the Safe Drinking Water Act requirements and violations; and
- conservation bumper stickers for utility vehicles.

Community Activities:

- public forums and meetings (attend, sponsor);
- workshops for plumbers and contractors; and
- presentations and exhibits.

Printed Material:

- bill messages and inserts;
- annual reports;
- pamphlets, newsletters; and
- specific information for target audiences.

Special Events:

- open house;
- drinking water week; and
- poster competitions, art exhibits.

In-House Education:

- awareness training for employees in the field;
- successful retrofit in use;
- customer assistance; and
- school programs and curricula.

New fliers could be developed in-house or with assistance from the regulatory authorities of the State. Guidance may also be available from the AWWA.

Additional initiatives such as presenting articles or advertisements in the local newspaper, as well as exhibiting posters and public displays, further reinforce customer awareness and acceptance of the proposed water conservation programs. In-school programs are also an effective means of educating the water-using public, as the programs provide an important and successful means of teaching water awareness and developing an ethic of individual responsibility for resource conservation among young people. School programs also have the ability to often reach beyond the classroom as conservation information is disseminated to parents and families through enthusiastic students.

8.0 CONCLUSIONS

1. The surveyed spillway elevations for the City's Melzingah, Mount Beacon and Cargill Reservoirs are 430.43 ft navd, 1,281.75 ft navd and 881.42 ft navd, respectively. The results from the bathymetric and aerial surveys show that the storage capacity of City's Melzingah, Mount Beacon and Cargill Reservoirs are 38 mg, 124 mg and 152 mg, respectively. In addition, when full the surface area of Melzingah, Mount Beacon and Cargill Reservoirs are 7.2 acres, 22.7 acres and 25.7 acres, respectively. The combed estimated sustainable yield for Mount Beacon, Melzingah and Cargill reservoirs for the current (2015 – 2017) and drought (1963 – 1965) condition simulations were 0.86 million gallons per day (mgd) and 1.41 mgd, respectively. The stream flow data shows that an average of 0.135 cfs (0.088 mgd) was lost to leakage through the Pocket Reservoir Dam.
2. The yield testing of Well 1 and Well 2 demonstrated a safe yield of 1.73 mgd.
3. The City has an inter-municipal contract with the Village of Fishkill for the sale of 1.2 mgd and following the completion of a well replacement program and infrastructure upgrades the agreement will increase to 1.5 mgd in 2020.
4. The test borings completed to date at the City's Pump House Road well field do not indicate the sand and gravel aquifer is viable for future well development.
5. Based on LBGHES initial analysis, the potential withdrawal from Fishkill Creek is estimated to be approximately 0.73 mgd without seasonal pumping restrictions. The withdrawal could increase to between 1.0 mgd to 3.0 mgd, however; pumping restrictions from July through October are likely.
6. The total safe yield of the City sources of supply is presently 3.79 mgd and will increase to 4.09 mgd in 2020 with the increase taking from the Village of Fishkill.
7. The 2035 average day production and the peak day production are 3.07 mgd and 3.83 mgd, which are within the 2020 total safe yield (4.09 mgd) of the City sources of supply.
8. The City has an adequate water supply to meet 2018 current and 2035 projected production with the existing sources of supply.

9.0 RECOMMENDATIONS

1. The collection of additional information is warranted to further assess the condition of Wells 1 and 2 to determine whether the decrease in pumping water level is a result of regional aquifer changes, the present drought conditions, or the physical condition of the wells (i.e. mechanical plugging/biofouling). During a period when the City's reservoir can meet the water demand of the system without need for the wells, LBGHES recommends collecting additional data to further assess Wells 1 and 2. Initially, the static water levels in the wells should be measured after a period of several days of no pumping for comparison to previous levels reported. Step-drawdown tests should also be conducted to confirm the wells' current specific capacities, the change in specific capacity with increasing rate, and the current degree of pumping-related interference between the wells. Longer duration aquifer testing (5 days of continuous pumping at a constant rate) with consistent and accurate water-level data collection from the wells would need to be completed to determine whether any increase in safe yield of the wells is feasible.
2. Collection of Biological Activity Reaction Tests (BART™) to assess whether biofouling bacteria may be present that could be plugging the wells. The best time to collect BART™ samples is upon startup of a well pump after a well has been off for 12+ hours or when a significant rate increase occurs. LBGHES can coordinate with the City's Water Operator to collect the BART™ samples if the City chooses to proceed with this recommendation.
3. Drilling a third water-supply well at the well field is also recommended to develop a redundant source for the well field. The third well would act as a backup source, to meet system demand if either Well 1 or 2 had to be taken out of service because of an equipment failure or an issue with the borehole. A third bedrock well at the well field will not likely increase the overall available withdrawal from the well field because of mutual pumping water-level interference, but developing a redundant source is strongly recommended.
4. Evaluate all reservoir spillway and intake heights to potentially increase the safe yield by increasing storage capacity. In particular, the Cargill Reservoir has the greatest potential for increasing the safe yield by adjusting the spillway and/or intake height.
5. The stream flow data collected shows that an average of 0.135 cfs (0.088 mgd) was lost to leakage through the Pocket Reservoir Dam on a daily basis. This loss is considered significant and the proposed dam repair work to remedy this loss should be completed in 2018.
6. Conduct a feasibility study of the transmission pipe where the Cargill, the Village of Fishkill and the City wells combine because of the existing bottleneck.
7. Conduct a feasibility study of the Fishkill Creek as an alternative source of supply.
8. Conduct an annual leak detection survey and water audit.
9. The Comprehensive Water Supply Plan should be updated concurrently with the City's Comprehensive Plan.

cmm

March 9, 2018

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TABLES

TABLE 7.1

**THE CITY OF BEACON
BEACON, NEW YORK**

Residential Population Projections and Projected Water Consumption

Year	City of Beacon Population	Change in Population	Average Daily Consumption (MGD)	Maximum Month Consumption (MGD)	Peak Day Consumption (MGD)	Usage Per Person (GPCD)
1980 ^{1/}	12,367	NA	NA	NA	NA	NA
1990 ^{1/}	12,940	573	NA	NA	NA	NA
2000 ^{1/}	13,720	780	NA	NA	NA	NA
2010 ^{1/}	13,826	106	NA	NA	3.20	NA
2011 ^{1/}	13,776	-50	NA	NA	3.20	NA
2012 ^{1/}	13,677	-99	NA	NA	2.40	NA
2013 ^{1/}	13,513	-164	1.82	2.07	2.23	51.8
2014 ^{1/}	13,410	-103	1.91	2.45	2.56	52.6
2015 ^{1/}	13,544	134	1.93	2.04	2.37	56.9
2016 ^{1/}	13,498	-46	2.00	2.15	2.51	58.1
2017 ^{1/ 5/}	13,498	0	1.91	2.06	2.40	58.1
2022 ^{2/}	15,524	2,026	2.36	2.74	3.01	54.9
2030 ^{3/}	17,600	2,076	2.55	2.97	3.26	54.9
2035 ^{4/}	18,753	1,153	2.67	3.10	3.40	54.9

NA: Not Available

1/: City of Beacon population (not including correctional facility) obtained from the U.S. Census.

2/: Population projection (not including correctional facility) based on build-out analysis of projects approved or under review.

3/: Population projection determined by adding the average annual increase to the 2022 population projection.

4/: Population projections (not including correctional facility) based on build-out analysis of vacant and under-developed parcels.

5/: The 2017 population for municipal units are not yet available; therefore, the population was assumed to be the 2016 population. Based on the 2016 timetable, the new city estimate will be available during May.

TABLE 7.2
CITY OF BEACON
BEACON, NEW YORK

Historic Water Production
(million gallons)

	2013	2014	2015	2016	2017
Total Production	895.564	953.617	921.059	980.745	895.962
Average Day Production (mgd)	2.45	2.61	2.52	2.69	2.45
Maximum Month Production (mgd)	2.79	3.08	2.67	2.89	2.67
Maximum Month Multiplier	1.14	1.18	1.06	1.08	1.09
Peak Day Production (mgd)	3.00	3.21	3.10	3.37	3.05
Peak Day Multiplier	1.22	1.23	1.23	1.25	1.24

NA: Not Available

TABLE 7.3

**CITY OF BEACON
BEACON, NEW YORK**

**Historic Water Consumption
(million gallons)**

User Category	2013	2014	2015	2016	2017
Residential	255.307	257.409	281.483	286.309	270.146
Commercial	81.912	82.586	90.310	91.859	86.673
Correction Facilities	188.605	207.171	202.093	218.116	205.508
Municipal	36.865	36.934	36.865	36.949	36.903
Rombout	100.583	114.721	93.686	95.588	97.417
Total Consumption	663.271	698.821	704.437	728.821	696.647
Non-Revenue Water	36.865	36.934	36.865	36.949	36.903
Unaccounted For Water	232.293	254.796	216.622	251.924	199.315
% Non-Revenue	4.12%	3.87%	4.00%	3.77%	4.12%
% Unaccounted For Water	25.94%	26.72%	23.52%	25.69%	22.25%
Average Day Consumption (mgd)	1.82	1.91	1.93	2.00	1.91
Maximum Month Consumption (mgd)	2.07	2.45	2.04	2.15	2.06
Maximum Month Multiplier	1.14	1.28	1.06	1.08	1.08
Peak Day Consumption (mgd)	2.23	2.56	2.37	2.51	2.40
Peak Day Multiplier	1.22	1.34	1.23	1.26	1.26

TABLE 7.4

**CITY OF BEACON
BEACON, NEW YORK**

**Historic Water Consumption
(million gallons per day)**

User Category	2013	2014	2015	2016	2017
Residential	0.699	0.705	0.771	0.784	0.740
Commercial	0.224	0.226	0.247	0.252	0.237
Correction Facilities	0.517	0.568	0.554	0.598	0.563
Municipal	0.101	0.101	0.101	0.101	0.101
Rombout	0.276	0.314	0.257	0.262	0.267
Total Consumption	1.82	1.91	1.93	2.00	1.91
Non-Revenue Water	0.101	0.101	0.101	0.101	0.101
Unaccounted For Water	0.636	0.698	0.593	0.690	0.546
% Non-Revenue	4.12%	3.87%	4.00%	3.77%	4.12%
% Unaccounted For Water	25.94%	26.72%	23.52%	25.69%	22.25%
Average Day Consumption (mgd)	1.82	1.91	1.93	2.00	1.91
Maximum Month Consumption (mgd)	2.07	2.45	2.04	2.15	2.06
Maximum Month Multiplier	1.14	1.28	1.06	1.08	1.08
Peak Day Consumption (mgd)	2.23	2.56	2.37	2.51	2.40
Peak Day Multiplier	1.22	1.34	1.23	1.26	1.26

TABLE 7.5**CITY OF BEACON
BEACON, NEW YORK**

**Projected Water Production by User Category
(million gallons)**

User Category	2017	2022	2030	2035
Total Production	895.962	989.985	1071.358	1118.896
Non-Revenue Water	36.949	39.599	42.854	44.756
Unaccounted For Water	263.684	148.498	160.704	167.834
% Non-Revenue	3.77%	4.00%	4.00%	4.00%
% Unaccounted For Water	22.25%	15.00%	15.00%	15.00%
Average Day Production (mgd)	2.45	2.71	2.94	3.07
Maximum Month Production (mgd)	2.67	3.09	3.34	3.49
Peak Day Production (mgd)	3.05	3.39	3.67	3.83

TABLE 7.6

**CITY OF BEACON
BEACON, NEW YORK**

**Projected Water Production
(gallons per day)**

User Category	2017	2022	2030	2035
Total Production	2.455	2.712	2.935	3.065
Non-Revenue Water	0.101	0.108	0.117	0.123
Unaccounted For Water	0.722	0.407	0.440	0.460
% Non-Revenue	3.77%	4.00%	4.00%	4.00%
% Unaccounted For Water	22.25%	15.00%	15.00%	15.00%
Average Day Production (mgd)	2.45	2.71	2.94	3.07
Maximum Month Production (mgd)	2.67	3.09	3.34	3.49
Peak Day Production (mgd)	3.05	3.39	3.67	3.83

TABLE 7.7**CITY OF BEACON
BEACON, NEW YORK**

**Projected Water Consumption by User Category
(million gallons)**

User Category	2017	2022	2030	2035
Residential	286.309	326.871	368.429	391.517
Commercial	91.859	96.421	125.621	143.871
Correctional Facility	218.116	218.116	218.116	218.116
Municipal	36.949	36.949	36.949	36.949
Rombout	95.588	182.500	182.500	182.500
Total Consumption	728.821	860.857	931.615	972.953
Average Day Consumption (mgd)	1.91	2.36	2.55	2.67
Maximum Month Consumption (mgd)	2.06	2.74	2.97	3.10
Peak Day Consumption (mgd)	2.40	3.01	3.26	3.40

NA: Not Available

TABLE 7.8

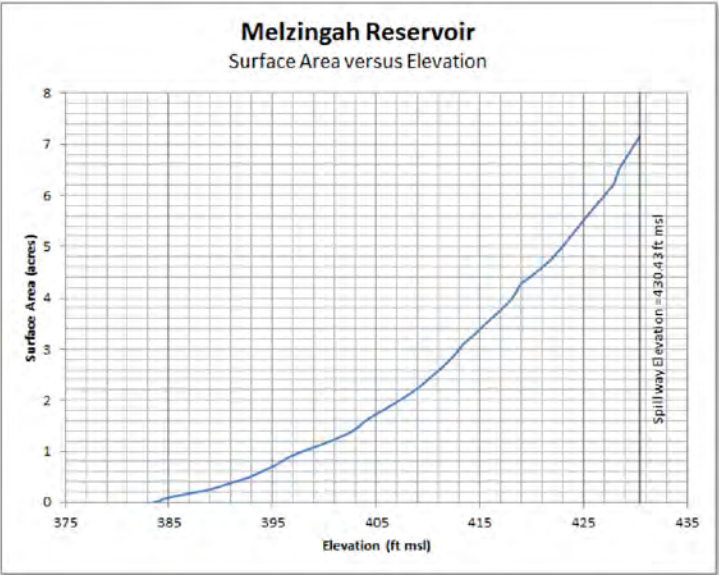
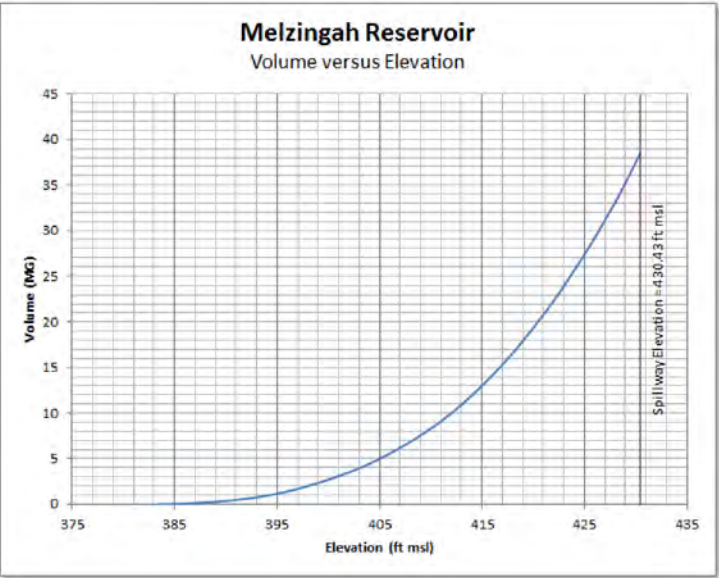
**CITY OF BEACON
BEACON, NEW YORK**

**Projected Water Consumption by User Category
(gallons per day)**

User Category	2017	2022	2030	2035
Residential	0.784	0.896	1.009	1.073
Commercial	0.252	0.264	0.344	0.394
Correctional Facility	0.598	0.598	0.598	0.598
Municipal	0.101	0.101	0.101	0.101
Rombout	0.262	0.500	0.500	0.500
Total Consumption	1.997	2.359	2.552	2.666
Average Day Consumption (mgd)	1.91	2.36	2.55	2.67
Maximum Month Consumption (mgd)	2.06	2.74	2.97	3.10
Peak Day Consumption (mgd)	2.40	3.01	3.26	3.40

FIGURES

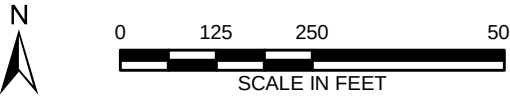
WSP Office: Shelton, CT | Source: K:\Jobs\City of Beacon\Figures\Figure 1 - Melzingah Reservoir Analysis.mxd, 2/23/2018, 5:09:57 PM, NAD 1983 StatePlane Connecticut FIPS 0600 Feet



Legend

City of Beacon Stream Gauging Locations

0-5 ft below spillway	25-30 ft below spillway
5-10 ft below spillway	30-35 ft below spillway
10-15 ft below spillway	35-40 ft below spillway
15-20 ft below spillway	40-45 ft below spillway
20-25 ft below spillway	45-50 ft below spillway



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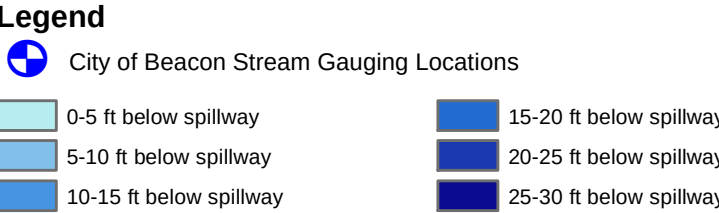
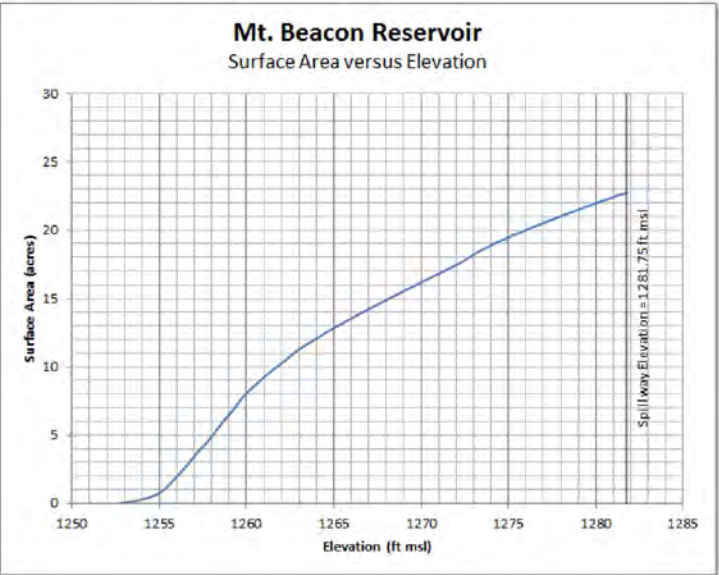
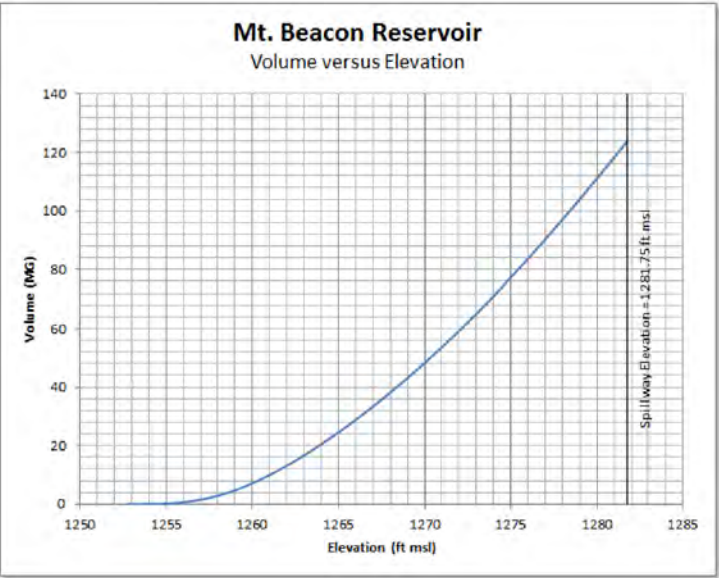
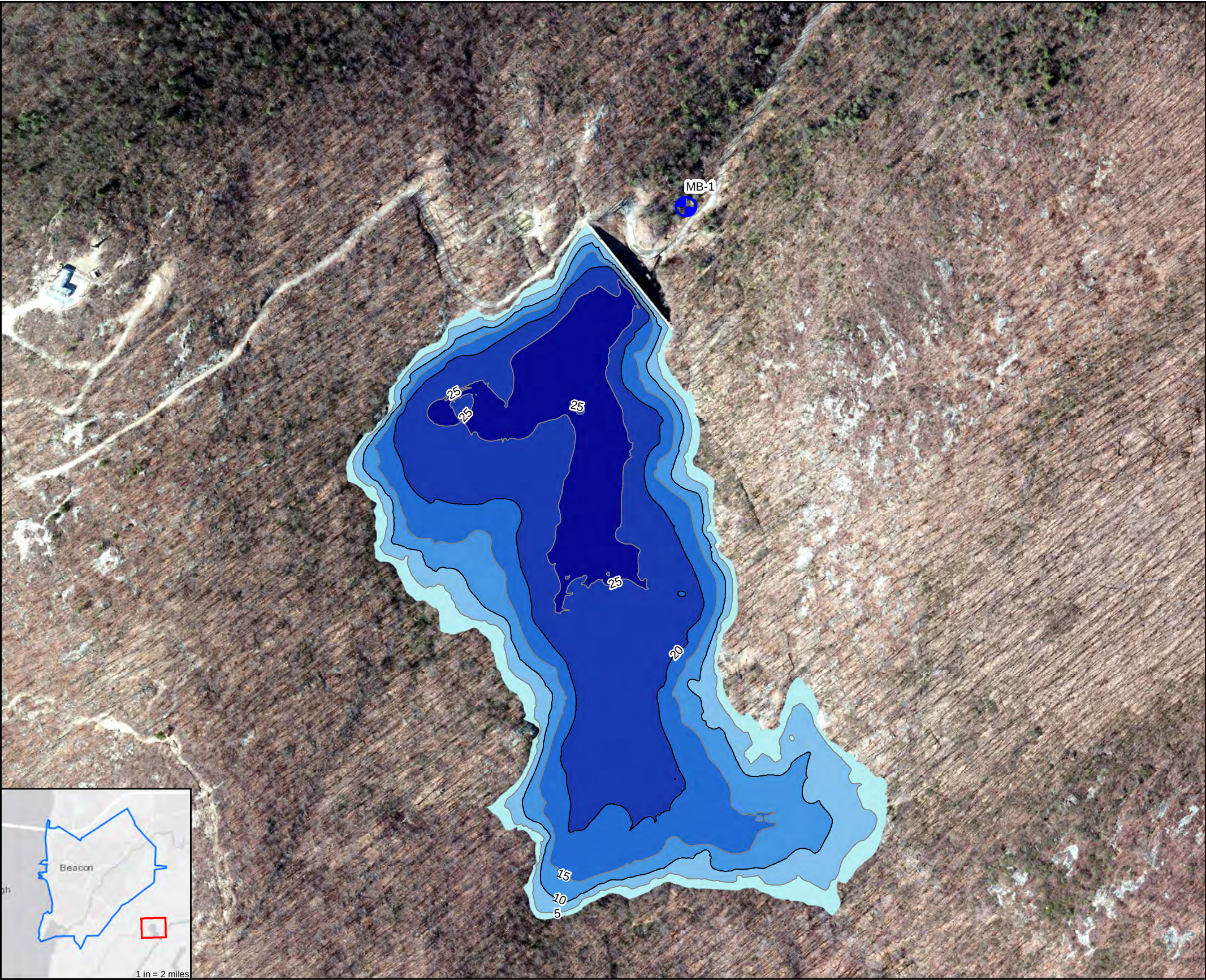
**MELZINGAH RESERVOIR
BEACON, NEW YORK**

PREPARED FOR
City of Beacon

FIGURE 01

MELZINGAH RESERVOIR ANALYSIS
FEBRUARY, 2018

WSP Office: Shelton, CT | Source: K:\Jobs\City of Beacon\Figures\Figure 2 - Mount Beacon Reservoir Analysis.mxd, 2/23/2018, 5:12:24 PM, NAD 1983 StatePlane Connecticut FIPS 0600 Feet



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MOUNT BEACON RESERVOIR
BEACON, NEW YORK

PREPARED FOR
City of Beacon

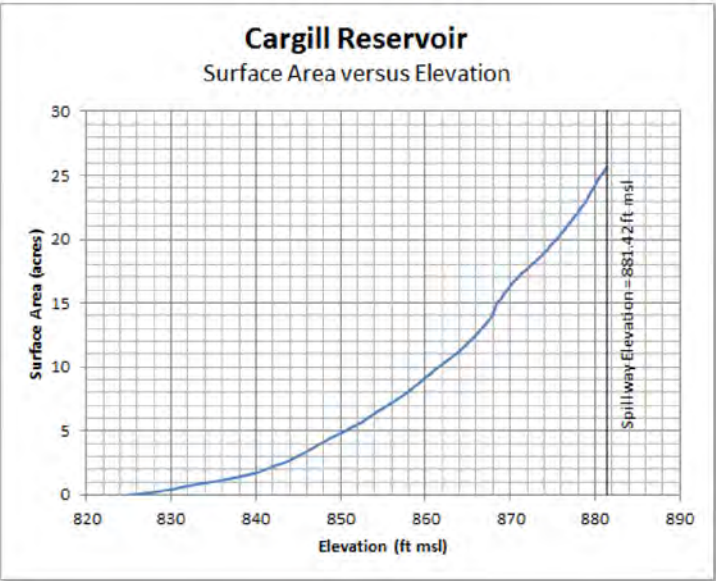
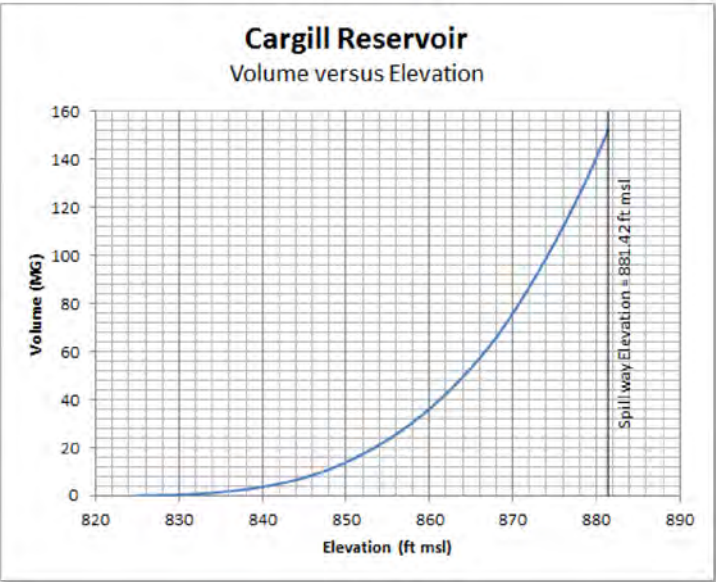
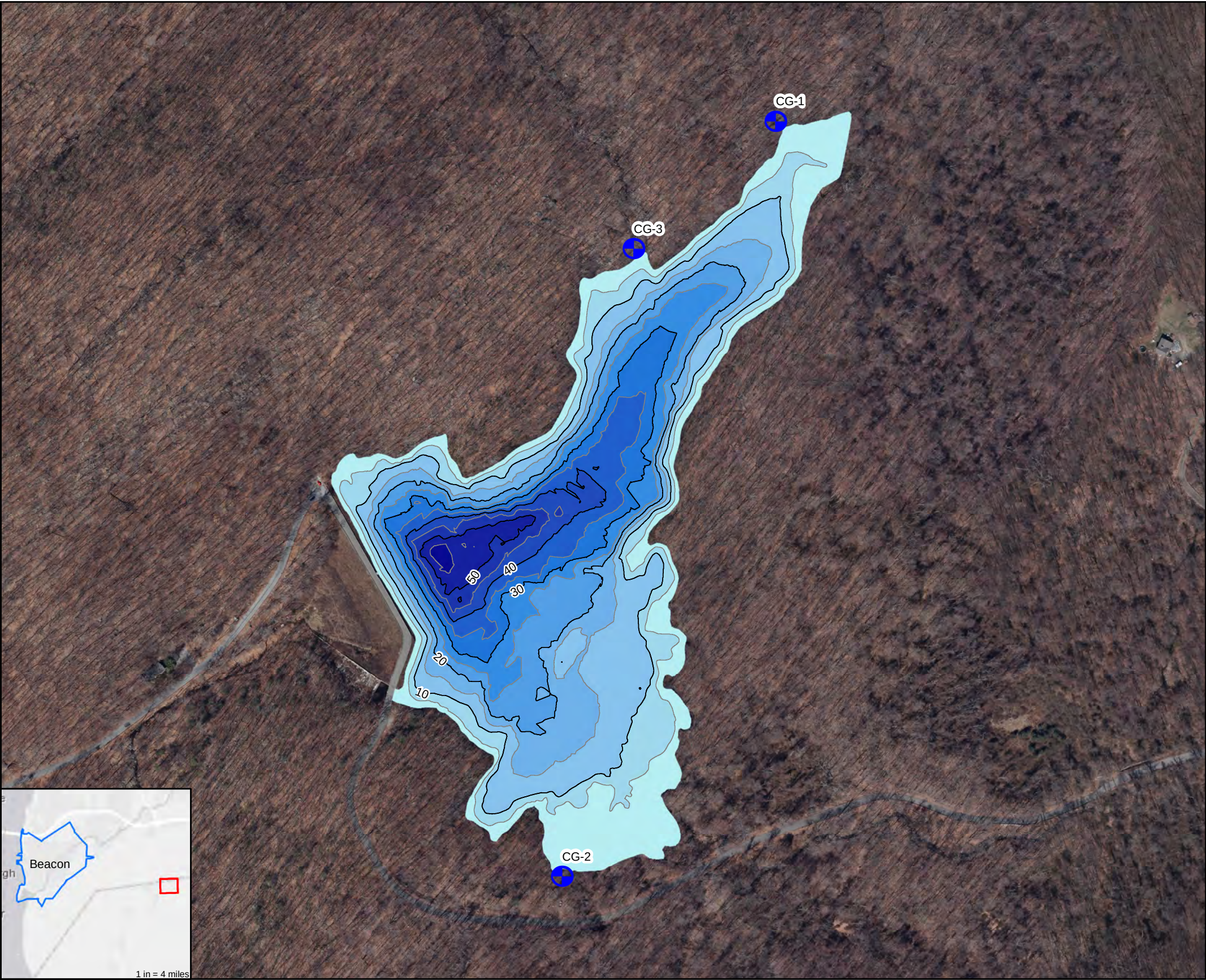
FIGURE 2

MOUNT BEACON RESERVOIR ANALYSIS
FEBRUARY, 2018

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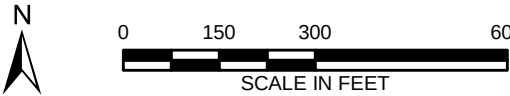
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WSP Office: Shelton, CT | Source: K:\Jobs\City of Beacon\Figures\Figure 3 - Cargill Reservoir Analysis.mxd, 2/23/2018, 5:08:45 PM, NAD 1983 StatePlane Connecticut FIPS 0600 Feet



Legend

- City of Beacon Stream Gauging Locations
- | | |
|-------------------------|-------------------------|
| 0-5 ft below spillway | 30-35 ft below spillway |
| 5-10 ft below spillway | 35-40 ft below spillway |
| 10-15 ft below spillway | 40-45 ft below spillway |
| 15-20 ft below spillway | 45-50 ft below spillway |
| 20-25 ft below spillway | 50-55 ft below spillway |
| 25-30 ft below spillway | 55-60 ft below spillway |



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CARGILL RESERVOIR BEACON, NEW YORK

PREPARED FOR
City of Beacon

FIGURE 03

CARGILL RESERVOIR ANALYSIS
FEBRUARY, 2018

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**RESERVOIR SAFE YIELD ANALYSIS
CITY OF BEACON, NEW YORK**

**Simulated Hydrograph of Reservoir Stage at Melzingah Reservoir
During Critical Drought Period (1963-1965)**

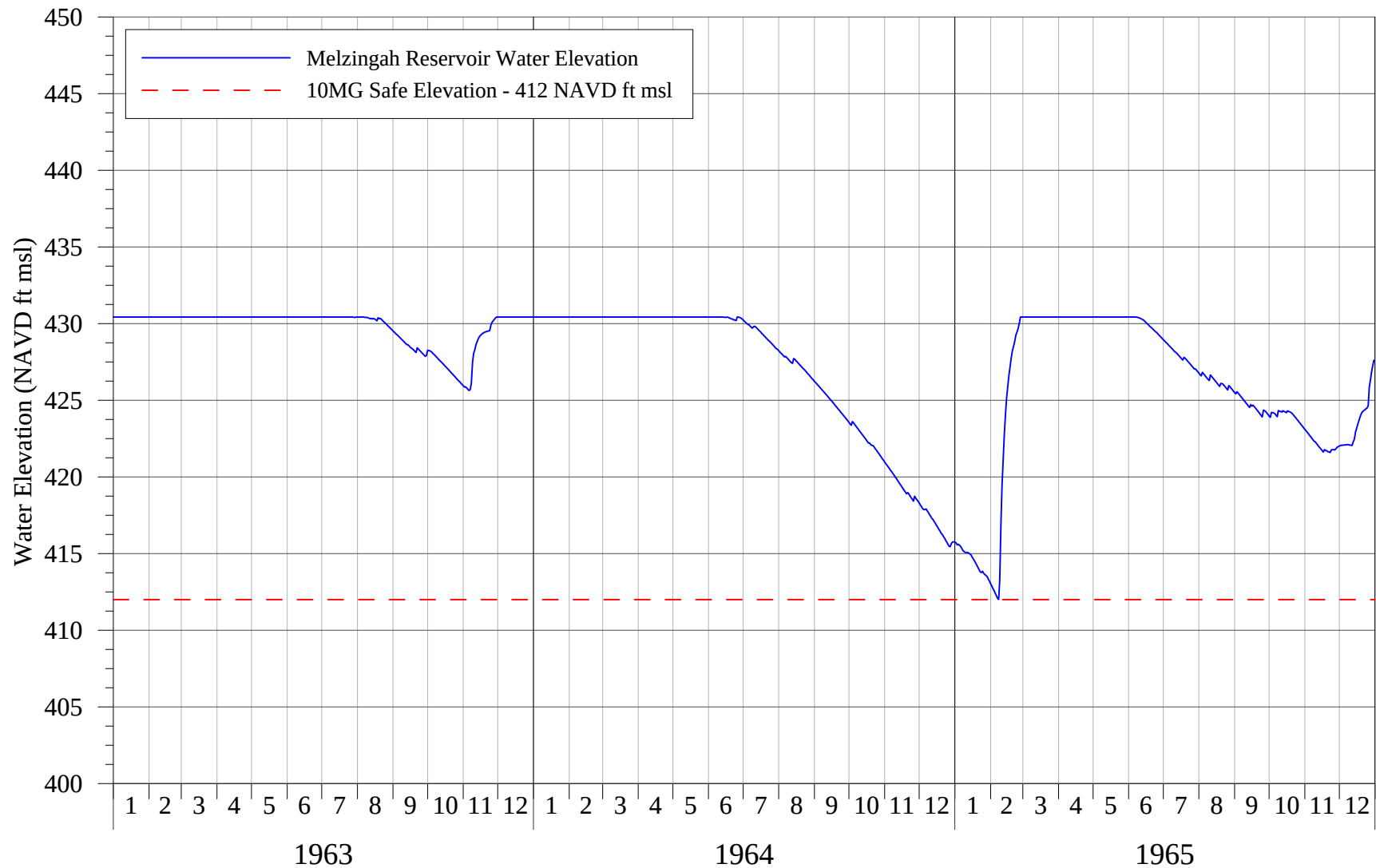


Figure 4

RESERVOIR SAFE YIELD ANALYSIS CITY OF BEACON, NEW YORK

Simulated Hydrograph of Reservoir Stage at Mount Beacon Reservoir During Critical Drought Period (1963-1965)

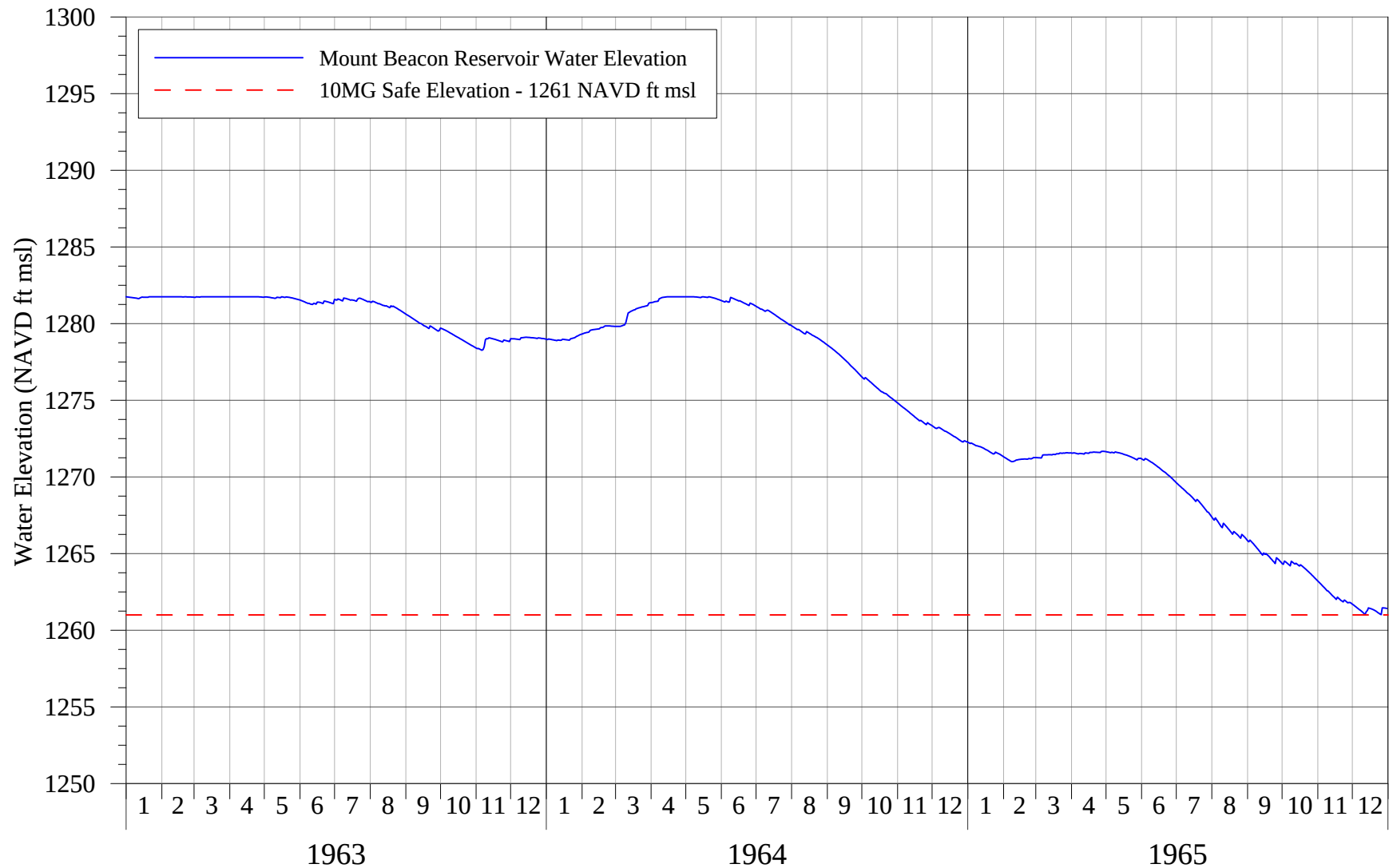


Figure 5

**RESERVOIR SAFE YIELD ANALYSIS
CITY OF BEACON, NEW YORK**

**Simulated Hydrograph of Reservoir Stage at Cargill Reservoir
During Critical Drought Period (1963-1965)**

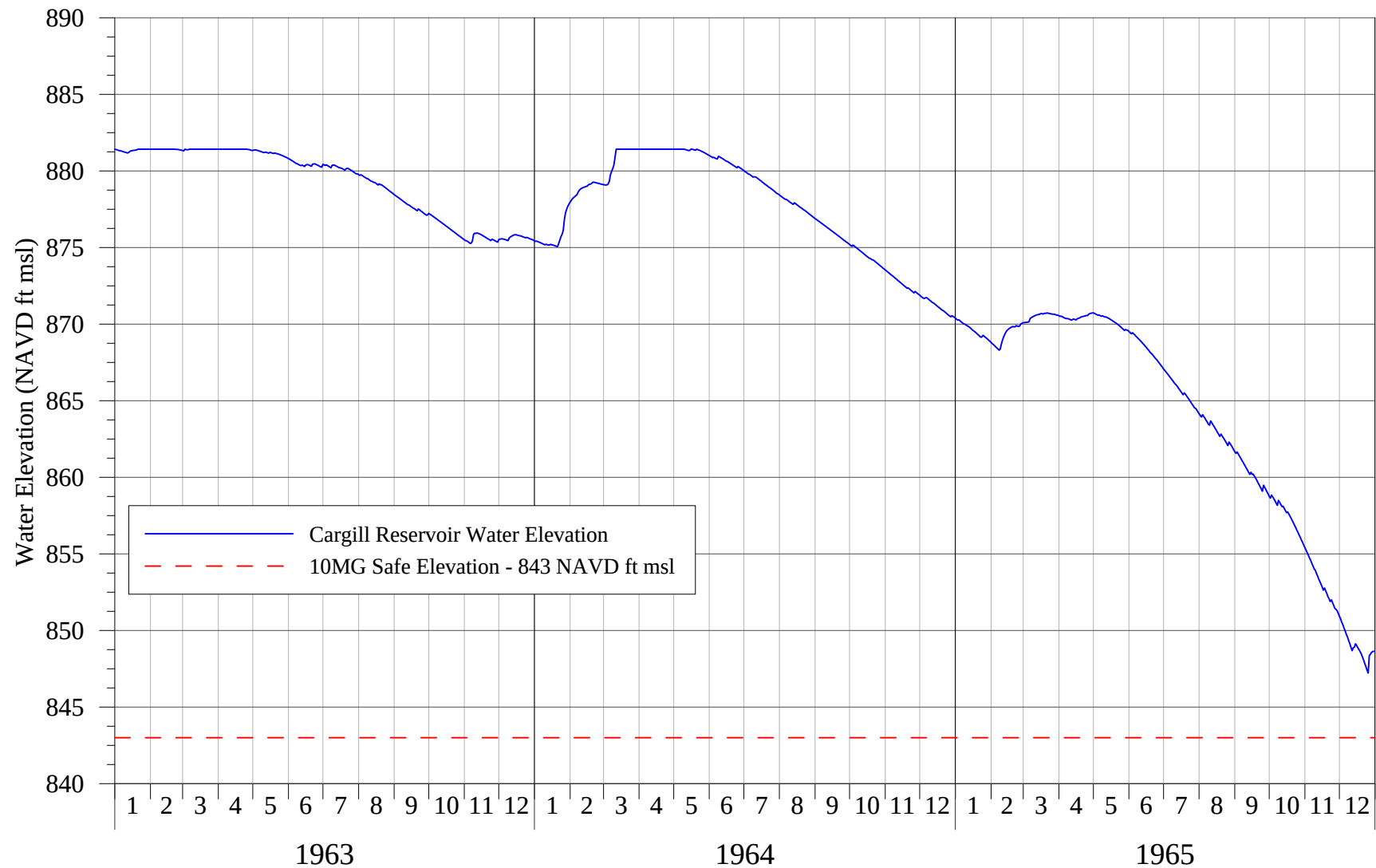


Figure 6

RESERVOIR SAFE YIELD ANALYSIS CITY OF BEACON, NEW YORK

**Simulated Hydrograph of Reservoir Storage Volumes for
City of Beacon Reservoirs During Critical Drought Period (1963-1965)**

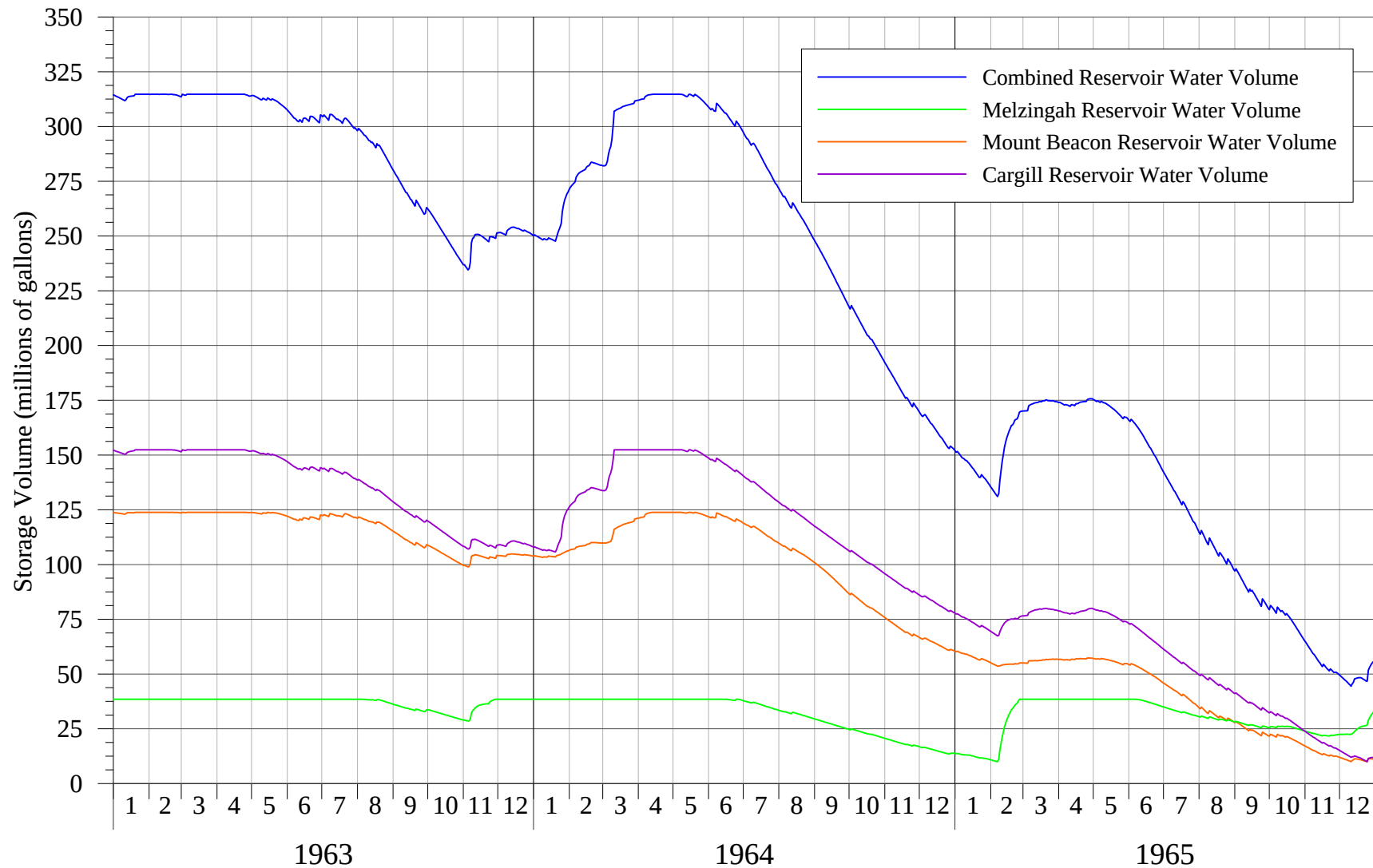


Figure 7

O:\DWG\City of Beacon\52 Pump House Rd\2018\F8_TestWell.dwg Layout1_3/8/2018 2:39:04 PM AcroPktTemp11420.pc3



LEGEND

- PROPERTY BOUNDARY
- UNDERGROUND UTILITY (APPROXIMATE)
- APPROXIMATE TEST BORING/TEST WELL LOCATION
- ⊠ BEDROCK TEST WELL LOCATION



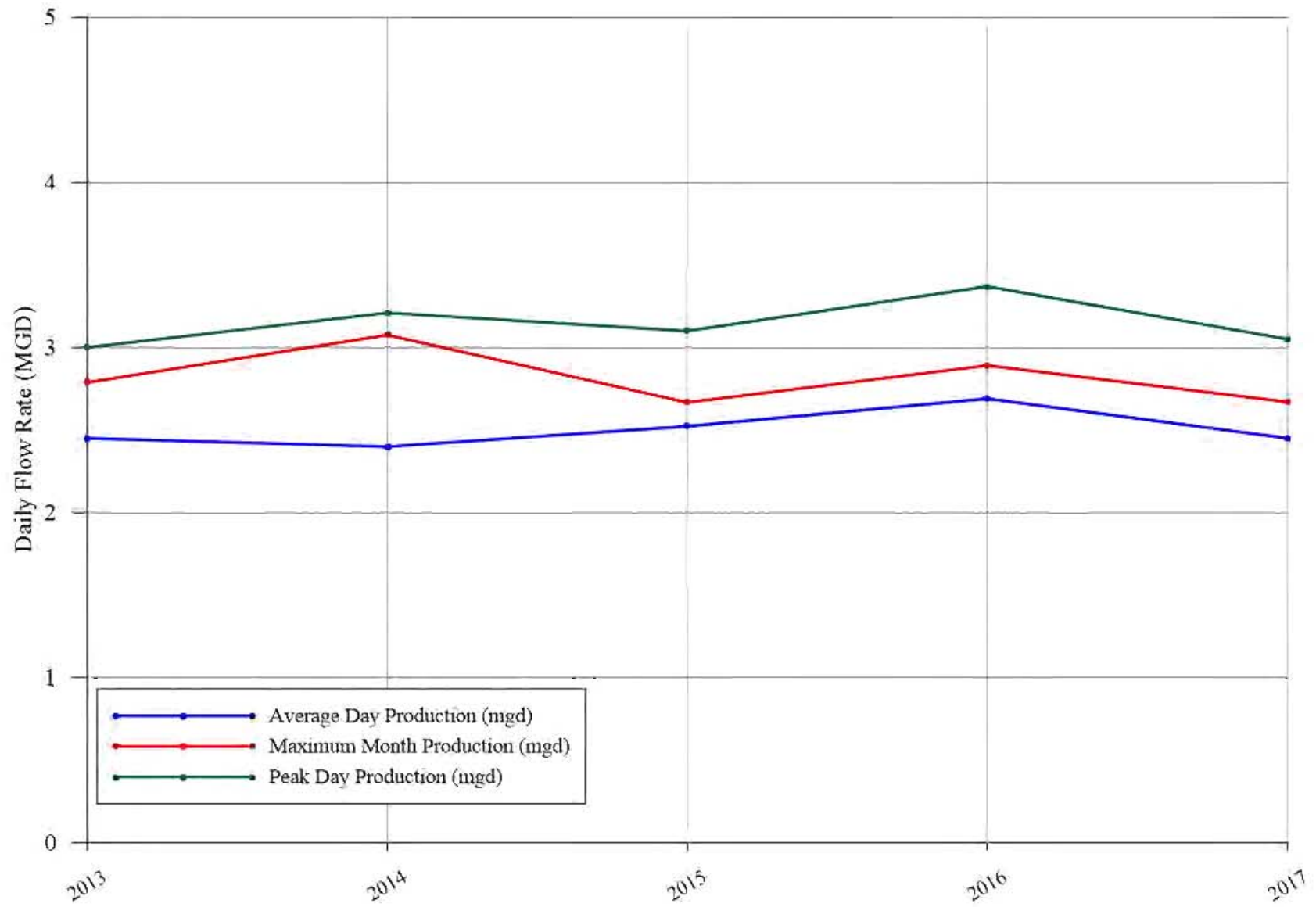
CITY OF BEACON
PUMP HOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK

SITE MAP

DATE	REVISED	PREPARED BY:		
		 WSP USA Inc. 4 Research Drive Suite 204 Shelton, Connecticut 06484 (203) 929-8555		
DRAWN:	RAC	CHECKED:	TPC	DATE: 03/06/18
				FIGURE: 8

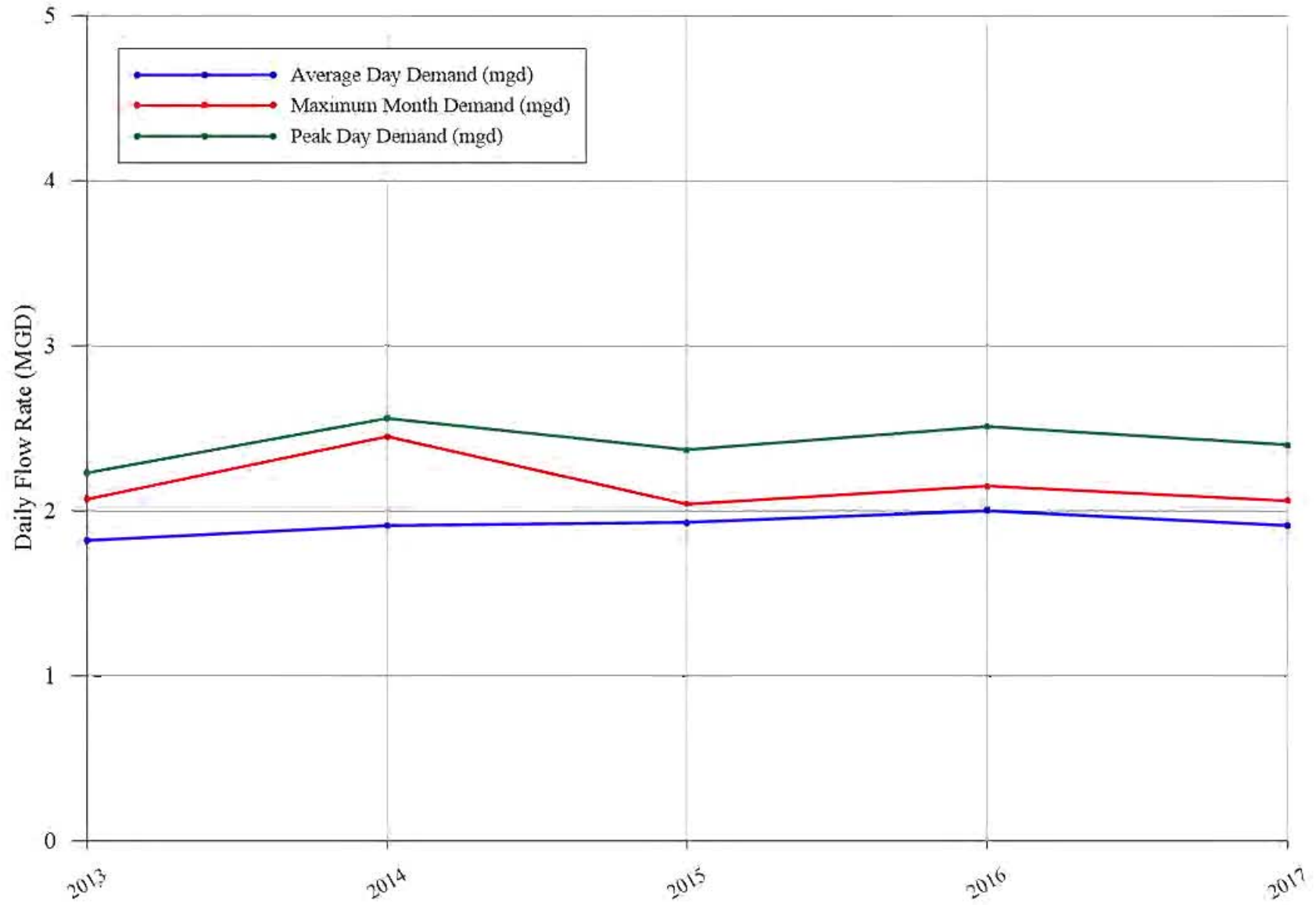
CITY OF BEACON, NEW YORK

Figure 9: Historic Water Production



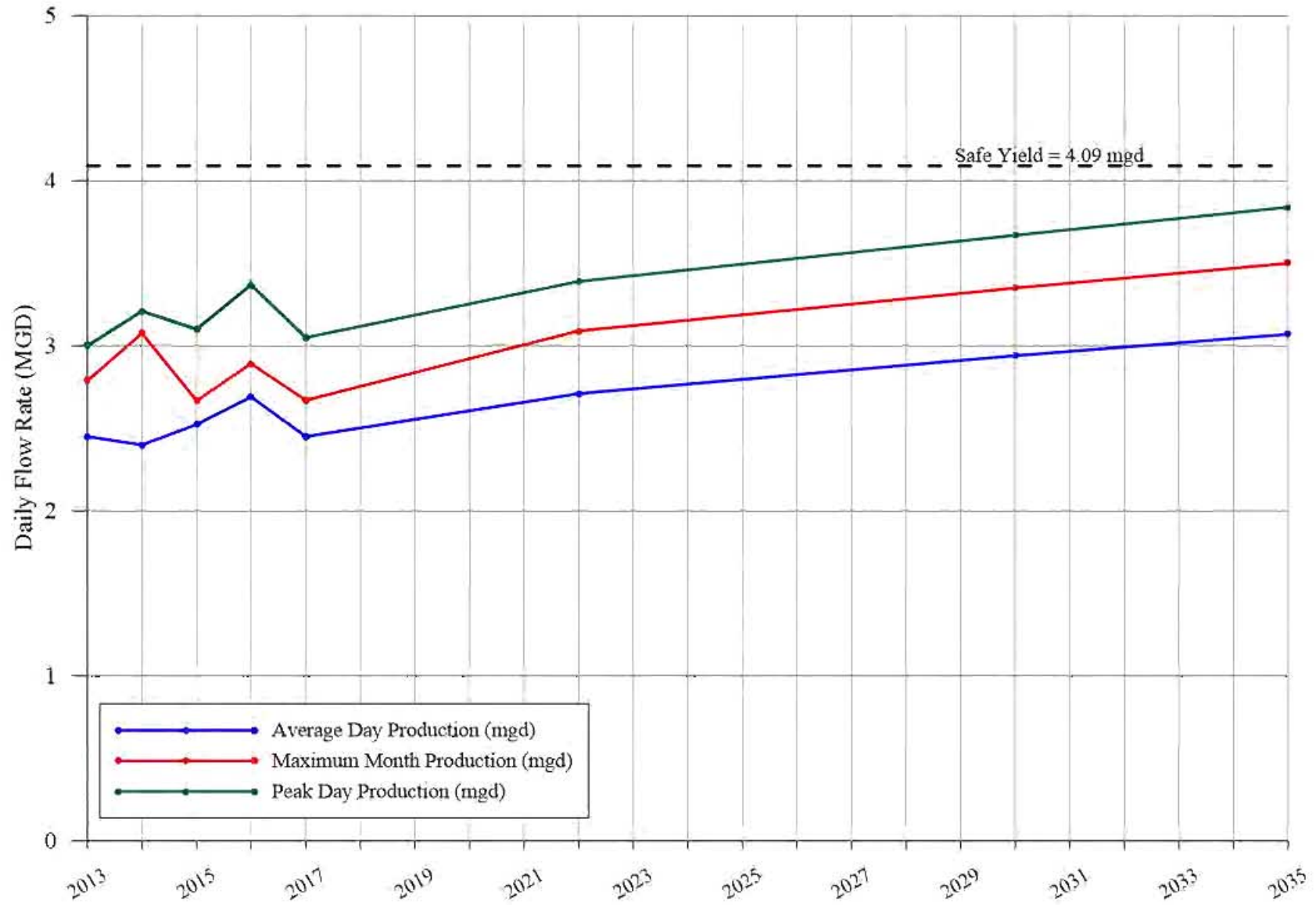
CITY OF BEACON, NEW YORK

Figure 10: Historic Water Consumption



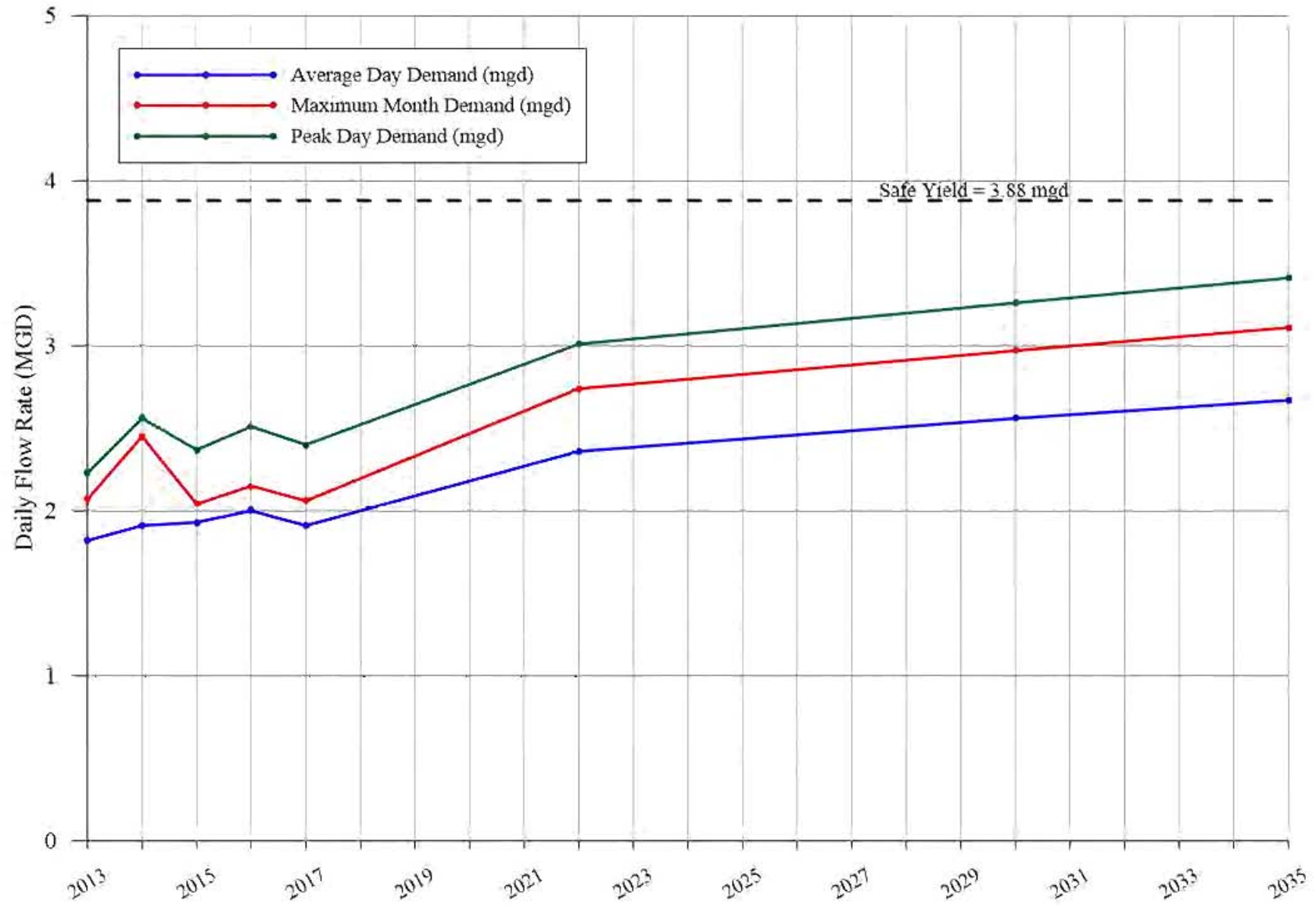
CITY OF BEACON, NEW YORK

Figure 11: Projected Water Production



CITY OF BEACON, NEW YORK

Figure 12: Projected Water Consumption



APPENDIX I

**Reference Gages and
Local Correction Factors**

Gage Information	
1	BEACON 4.2 ESE, NY US
2	MT. BEACON PARK, BEACON NY US
3	MOHONK LAKE, NY US
4	GLENHAM, NY US

Location Correction Factor					
Month	Month #	Gage	Melzingah	Mt Beacon	Cargill
Jan	1	1	0.952	1.026	1.006
Feb	2	1	0.964	1.026	0.876
Mar	3	1	0.874	1.029	1.015
Apr	4	1	0.966	0.994	1.001
May	5	1	0.963	0.991	1.012
Jun	6	1	0.973	1.029	1.008
Jul	7	1	0.970	1.002	1.006
Aug	8	1	0.935	1.006	1.008
Sep	9	1	0.965	1.021	1.005
Oct	10	1	0.954	1.000	1.005
Nov	11	1	0.969	1.020	1.006
Dec	12	1	0.980	1.019	1.003
Jan	1	2	1.044	1.125	1.103
Feb	2	2	1.023	1.090	1.064
Mar	3	2	1.015	1.196	1.179
Apr	4	2	1.013	1.042	1.049
May	5	2	1.008	1.036	1.058
Jun	6	2	1.006	1.064	1.042
Jul	7	2	1.021	1.054	1.059
Aug	8	2	1.072	1.154	1.156
Sep	9	2	1.040	1.100	1.083
Oct	10	2	1.020	1.070	1.075
Nov	11	2	1.081	1.137	1.121
Dec	12	2	1.045	1.087	1.070
Jan	1	3	0.924	0.996	0.976
Feb	2	3	0.910	0.969	0.946
Mar	3	3	0.780	0.918	0.906
Apr	4	3	0.959	0.987	0.994
May	5	3	0.890	0.915	0.935
Jun	6	3	1.003	1.060	1.039
Jul	7	3	0.999	1.031	1.035
Aug	8	3	0.948	1.020	1.022
Sep	9	3	0.918	0.971	0.956
Oct	10	3	0.937	0.983	0.988
Nov	11	3	1.000	1.053	1.038
Dec	12	3	0.901	0.937	0.922
Jan	1	4	1.033	1.113	1.091
Feb	2	4	1.010	1.076	1.050
Mar	3	4	1.004	1.182	1.166
Apr	4	4	1.007	1.036	1.043

May	5	4	1.001	1.029	1.051
Jun	6	4	0.994	1.051	1.029
Jul	7	4	0.997	1.029	1.034
Aug	8	4	1.079	1.162	1.164
Sep	9	4	1.031	1.091	1.075
Oct	10	4	1.015	1.064	1.070
Nov	11	4	1.074	1.130	1.114
Dec	12	4	1.046	1.087	1.070

Precipitation Values for Critical Drought Period (1963-1965)

Date	Precipitation (inches)	Gage Number	Melzingah Precipitation (inches)	Mt Beacon Precipitation (inches)	Cargill Precipitation (inches)
1/1/1963	0.00	4	0.00	0.00	0.00
1/2/1963	0.00	4	0.00	0.00	0.00
1/3/1963	0.00	4	0.00	0.00	0.00
1/4/1963	0.00	4	0.00	0.00	0.00
1/5/1963	0.00	4	0.00	0.00	0.00
1/6/1963	0.00	4	0.00	0.00	0.00
1/7/1963	0.00	4	0.00	0.00	0.00
1/8/1963	0.00	4	0.00	0.00	0.00
1/9/1963	0.00	4	0.00	0.00	0.00
1/10/1963	0.00	4	0.00	0.00	0.00
1/11/1963	0.00	4	0.00	0.00	0.00
1/12/1963	0.43	4	0.44	0.48	0.47
1/13/1963	0.51	4	0.53	0.57	0.56
1/14/1963	0.09	4	0.09	0.10	0.10
1/15/1963	0.00	4	0.00	0.00	0.00
1/16/1963	0.00	4	0.00	0.00	0.00
1/17/1963	0.00	4	0.00	0.00	0.00
1/18/1963	0.00	4	0.00	0.00	0.00
1/19/1963	0.01	4	0.01	0.01	0.01
1/20/1963	0.34	4	0.35	0.38	0.37
1/21/1963	0.00	4	0.00	0.00	0.00
1/22/1963	0.00	4	0.00	0.00	0.00
1/23/1963	0.00	4	0.00	0.00	0.00
1/24/1963	0.46	4	0.48	0.51	0.50
1/25/1963	0.00	4	0.00	0.00	0.00
1/26/1963	0.00	4	0.00	0.00	0.00
1/27/1963	1.00	4	1.03	1.11	1.09
1/28/1963	0.00	4	0.00	0.00	0.00
1/29/1963	0.00	4	0.00	0.00	0.00
1/30/1963	0.00	4	0.00	0.00	0.00
1/31/1963	0.02	4	0.02	0.02	0.02
2/1/1963	0.00	4	0.00	0.00	0.00
2/2/1963	0.00	4	0.00	0.00	0.00
2/3/1963	0.40	4	0.40	0.43	0.42
2/4/1963	0.00	4	0.00	0.00	0.00
2/5/1963	0.00	4	0.00	0.00	0.00
2/6/1963	0.00	4	0.00	0.00	0.00
2/7/1963	0.00	4	0.00	0.00	0.00
2/8/1963	0.00	4	0.00	0.00	0.00
2/9/1963	0.00	4	0.00	0.00	0.00
2/10/1963	0.01	4	0.01	0.01	0.01
2/11/1963	0.12	4	0.12	0.13	0.13
2/12/1963	0.37	4	0.37	0.40	0.39
2/13/1963	0.36	4	0.36	0.39	0.38

2/14/1963	0.00	4	0.00	0.00	0.00
2/15/1963	0.03	4	0.03	0.03	0.03
2/16/1963	0.00	4	0.00	0.00	0.00
2/17/1963	0.00	4	0.00	0.00	0.00
2/18/1963	0.00	4	0.00	0.00	0.00
2/19/1963	0.00	4	0.00	0.00	0.00
2/20/1963	0.75	4	0.76	0.81	0.79
2/21/1963	0.00	4	0.00	0.00	0.00
2/22/1963	0.00	4	0.00	0.00	0.00
2/23/1963	0.00	4	0.00	0.00	0.00
2/24/1963	0.00	4	0.00	0.00	0.00
2/25/1963	0.11	4	0.11	0.12	0.12
2/26/1963	0.00	4	0.00	0.00	0.00
2/27/1963	0.00	4	0.00	0.00	0.00
2/28/1963	0.00	4	0.00	0.00	0.00
3/1/1963	0.00	4	0.00	0.00	0.00
3/2/1963	0.72	4	0.72	0.85	0.84
3/3/1963	0.00	4	0.00	0.00	0.00
3/4/1963	0.00	4	0.00	0.00	0.00
3/5/1963	0.00	4	0.00	0.00	0.00
3/6/1963	0.23	4	0.23	0.27	0.27
3/7/1963	0.42	4	0.42	0.50	0.49
3/8/1963	0.00	4	0.00	0.00	0.00
3/9/1963	0.00	4	0.00	0.00	0.00
3/10/1963	0.00	4	0.00	0.00	0.00
3/11/1963	0.00	4	0.00	0.00	0.00
3/12/1963	0.54	4	0.54	0.64	0.63
3/13/1963	0.04	4	0.04	0.05	0.05
3/14/1963	0.16	4	0.16	0.19	0.19
3/15/1963	0.00	4	0.00	0.00	0.00
3/16/1963	0.00	4	0.00	0.00	0.00
3/17/1963	0.16	4	0.16	0.19	0.19
3/18/1963	0.00	4	0.00	0.00	0.00
3/19/1963	0.00	4	0.00	0.00	0.00
3/20/1963	0.40	4	0.40	0.47	0.47
3/21/1963	0.17	4	0.17	0.20	0.20
3/22/1963	0.00	4	0.00	0.00	0.00
3/23/1963	0.00	4	0.00	0.00	0.00
3/24/1963	0.00	4	0.00	0.00	0.00
3/25/1963	0.00	4	0.00	0.00	0.00
3/26/1963	0.00	4	0.00	0.00	0.00
3/27/1963	0.18	4	0.18	0.21	0.21
3/28/1963	0.00	4	0.00	0.00	0.00
3/29/1963	0.00	4	0.00	0.00	0.00
3/30/1963	0.00	4	0.00	0.00	0.00
3/31/1963	0.00	4	0.00	0.00	0.00
4/1/1963	0.00	4	0.00	0.00	0.00
4/2/1963	0.05	4	0.05	0.05	0.05
4/3/1963	0.00	4	0.00	0.00	0.00

4/4/1963	0.00	4	0.00	0.00	0.00
4/5/1963	0.00	4	0.00	0.00	0.00
4/6/1963	0.00	4	0.00	0.00	0.00
4/7/1963	0.00	4	0.00	0.00	0.00
4/8/1963	0.00	4	0.00	0.00	0.00
4/9/1963	0.00	4	0.00	0.00	0.00
4/10/1963	0.07	4	0.07	0.07	0.07
4/11/1963	0.00	4	0.00	0.00	0.00
4/12/1963	0.00	4	0.00	0.00	0.00
4/13/1963	0.00	4	0.00	0.00	0.00
4/14/1963	0.00	4	0.00	0.00	0.00
4/15/1963	0.00	4	0.00	0.00	0.00
4/16/1963	0.00	4	0.00	0.00	0.00
4/17/1963	0.00	4	0.00	0.00	0.00
4/18/1963	0.23	4	0.23	0.24	0.24
4/19/1963	0.01	4	0.01	0.01	0.01
4/20/1963	0.05	4	0.05	0.05	0.05
4/21/1963	0.00	4	0.00	0.00	0.00
4/22/1963	0.00	4	0.00	0.00	0.00
4/23/1963	0.11	4	0.11	0.11	0.11
4/24/1963	0.15	4	0.15	0.16	0.16
4/25/1963	0.00	4	0.00	0.00	0.00
4/26/1963	0.00	4	0.00	0.00	0.00
4/27/1963	0.00	4	0.00	0.00	0.00
4/28/1963	0.00	4	0.00	0.00	0.00
4/29/1963	0.00	4	0.00	0.00	0.00
4/30/1963	0.11	4	0.11	0.11	0.11
5/1/1963	0.12	4	0.12	0.12	0.13
5/2/1963	0.05	4	0.05	0.05	0.05
5/3/1963	0.00	4	0.00	0.00	0.00
5/4/1963	0.00	4	0.00	0.00	0.00
5/5/1963	0.00	4	0.00	0.00	0.00
5/6/1963	0.00	4	0.00	0.00	0.00
5/7/1963	0.00	4	0.00	0.00	0.00
5/8/1963	0.00	4	0.00	0.00	0.00
5/9/1963	0.00	4	0.00	0.00	0.00
5/10/1963	0.15	4	0.15	0.15	0.16
5/11/1963	0.34	4	0.34	0.35	0.36
5/12/1963	0.00	4	0.00	0.00	0.00
5/13/1963	0.00	4	0.00	0.00	0.00
5/14/1963	0.07	4	0.07	0.07	0.07
5/15/1963	0.48	4	0.48	0.49	0.50
5/16/1963	0.00	4	0.00	0.00	0.00
5/17/1963	0.00	4	0.00	0.00	0.00
5/18/1963	0.02	4	0.02	0.02	0.02
5/19/1963	0.22	4	0.22	0.23	0.23
5/20/1963	0.00	4	0.00	0.00	0.00
5/21/1963	0.05	4	0.05	0.05	0.05
5/22/1963	0.06	4	0.06	0.06	0.06

5/23/1963	0.00	4	0.00	0.00	0.00
5/24/1963	0.00	4	0.00	0.00	0.00
5/25/1963	0.00	4	0.00	0.00	0.00
5/26/1963	0.00	4	0.00	0.00	0.00
5/27/1963	0.00	4	0.00	0.00	0.00
5/28/1963	0.00	4	0.00	0.00	0.00
5/29/1963	0.00	4	0.00	0.00	0.00
5/30/1963	0.03	4	0.03	0.03	0.03
5/31/1963	0.00	4	0.00	0.00	0.00
6/1/1963	0.00	4	0.00	0.00	0.00
6/2/1963	0.00	4	0.00	0.00	0.00
6/3/1963	0.00	4	0.00	0.00	0.00
6/4/1963	0.00	4	0.00	0.00	0.00
6/5/1963	0.00	4	0.00	0.00	0.00
6/6/1963	0.00	4	0.00	0.00	0.00
6/7/1963	0.00	4	0.00	0.00	0.00
6/8/1963	0.25	4	0.25	0.26	0.26
6/9/1963	0.00	4	0.00	0.00	0.00
6/10/1963	0.11	4	0.11	0.12	0.11
6/11/1963	0.20	4	0.20	0.21	0.21
6/12/1963	0.63	4	0.63	0.66	0.65
6/13/1963	0.00	4	0.00	0.00	0.00
6/14/1963	0.00	4	0.00	0.00	0.00
6/15/1963	0.86	4	0.85	0.90	0.89
6/16/1963	0.09	4	0.09	0.09	0.09
6/17/1963	0.00	4	0.00	0.00	0.00
6/18/1963	0.00	4	0.00	0.00	0.00
6/19/1963	0.00	4	0.00	0.00	0.00
6/20/1963	0.00	4	0.00	0.00	0.00
6/21/1963	0.89	4	0.88	0.94	0.92
6/22/1963	0.00	4	0.00	0.00	0.00
6/23/1963	0.00	4	0.00	0.00	0.00
6/24/1963	0.00	4	0.00	0.00	0.00
6/25/1963	0.00	4	0.00	0.00	0.00
6/26/1963	0.00	4	0.00	0.00	0.00
6/27/1963	0.00	4	0.00	0.00	0.00
6/28/1963	0.00	4	0.00	0.00	0.00
6/29/1963	0.04	4	0.04	0.04	0.04
6/30/1963	1.60	4	1.59	1.68	1.65
7/1/1963	0.00	4	0.00	0.00	0.00
7/2/1963	0.00	4	0.00	0.00	0.00
7/3/1963	0.62	4	0.62	0.64	0.64
7/4/1963	0.00	4	0.00	0.00	0.00
7/5/1963	0.00	4	0.00	0.00	0.00
7/6/1963	0.00	4	0.00	0.00	0.00
7/7/1963	0.00	4	0.00	0.00	0.00
7/8/1963	1.16	4	1.16	1.19	1.20
7/9/1963	0.02	4	0.02	0.02	0.02
7/10/1963	0.00	4	0.00	0.00	0.00

7/11/1963	0.00	4	0.00	0.00	0.00
7/12/1963	0.00	4	0.00	0.00	0.00
7/13/1963	0.00	4	0.00	0.00	0.00
7/14/1963	0.00	4	0.00	0.00	0.00
7/15/1963	0.36	4	0.36	0.37	0.37
7/16/1963	0.04	4	0.04	0.04	0.04
7/17/1963	0.24	4	0.24	0.25	0.25
7/18/1963	0.00	4	0.00	0.00	0.00
7/19/1963	0.00	4	0.00	0.00	0.00
7/20/1963	0.95	4	0.95	0.98	0.98
7/21/1963	0.59	4	0.59	0.61	0.61
7/22/1963	0.27	4	0.27	0.28	0.28
7/23/1963	0.00	4	0.00	0.00	0.00
7/24/1963	0.00	4	0.00	0.00	0.00
7/25/1963	0.00	4	0.00	0.00	0.00
7/26/1963	0.00	4	0.00	0.00	0.00
7/27/1963	0.00	4	0.00	0.00	0.00
7/28/1963	0.00	4	0.00	0.00	0.00
7/29/1963	0.06	4	0.06	0.06	0.06
7/30/1963	0.41	4	0.41	0.42	0.42
7/31/1963	0.00	4	0.00	0.00	0.00
8/1/1963	0.00	4	0.00	0.00	0.00
8/2/1963	0.61	4	0.66	0.71	0.71
8/3/1963	0.00	4	0.00	0.00	0.00
8/4/1963	0.00	4	0.00	0.00	0.00
8/5/1963	0.00	4	0.00	0.00	0.00
8/6/1963	0.00	4	0.00	0.00	0.00
8/7/1963	0.00	4	0.00	0.00	0.00
8/8/1963	0.20	4	0.22	0.23	0.23
8/9/1963	0.00	4	0.00	0.00	0.00
8/10/1963	0.00	4	0.00	0.00	0.00
8/11/1963	0.00	4	0.00	0.00	0.00
8/12/1963	0.23	4	0.25	0.27	0.27
8/13/1963	0.00	4	0.00	0.00	0.00
8/14/1963	0.32	4	0.35	0.37	0.37
8/15/1963	0.00	4	0.00	0.00	0.00
8/16/1963	0.00	4	0.00	0.00	0.00
8/17/1963	0.00	4	0.00	0.00	0.00
8/18/1963	0.82	4	0.89	0.95	0.95
8/19/1963	0.00	4	0.00	0.00	0.00
8/20/1963	0.35	4	0.38	0.41	0.41
8/21/1963	0.00	4	0.00	0.00	0.00
8/22/1963	0.00	4	0.00	0.00	0.00
8/23/1963	0.00	4	0.00	0.00	0.00
8/24/1963	0.00	4	0.00	0.00	0.00
8/25/1963	0.00	4	0.00	0.00	0.00
8/26/1963	0.00	4	0.00	0.00	0.00
8/27/1963	0.00	4	0.00	0.00	0.00
8/28/1963	0.00	4	0.00	0.00	0.00

8/29/1963	0.00	4	0.00	0.00	0.00
8/30/1963	0.00	4	0.00	0.00	0.00
8/31/1963	0.00	4	0.00	0.00	0.00
9/1/1963	0.00	4	0.00	0.00	0.00
9/2/1963	0.00	4	0.00	0.00	0.00
9/3/1963	0.00	4	0.00	0.00	0.00
9/4/1963	0.04	4	0.04	0.04	0.04
9/5/1963	0.00	4	0.00	0.00	0.00
9/6/1963	0.01	4	0.01	0.01	0.01
9/7/1963	0.00	4	0.00	0.00	0.00
9/8/1963	0.00	4	0.00	0.00	0.00
9/9/1963	0.00	4	0.00	0.00	0.00
9/10/1963	0.00	4	0.00	0.00	0.00
9/11/1963	0.00	4	0.00	0.00	0.00
9/12/1963	0.00	4	0.00	0.00	0.00
9/13/1963	0.26	4	0.27	0.28	0.28
9/14/1963	0.00	4	0.00	0.00	0.00
9/15/1963	0.00	4	0.00	0.00	0.00
9/16/1963	0.02	4	0.02	0.02	0.02
9/17/1963	0.18	4	0.19	0.20	0.19
9/18/1963	0.01	4	0.01	0.01	0.01
9/19/1963	0.00	4	0.00	0.00	0.00
9/20/1963	0.04	4	0.04	0.04	0.04
9/21/1963	1.13	4	1.17	1.23	1.21
9/22/1963	0.00	4	0.00	0.00	0.00
9/23/1963	0.00	4	0.00	0.00	0.00
9/24/1963	0.00	4	0.00	0.00	0.00
9/25/1963	0.00	4	0.00	0.00	0.00
9/26/1963	0.00	4	0.00	0.00	0.00
9/27/1963	0.00	4	0.00	0.00	0.00
9/28/1963	0.00	4	0.00	0.00	0.00
9/29/1963	0.46	4	0.47	0.50	0.49
9/30/1963	0.99	4	1.02	1.08	1.06
10/1/1963	0.00	4	0.00	0.00	0.00
10/2/1963	0.00	4	0.00	0.00	0.00
10/3/1963	0.00	4	0.00	0.00	0.00
10/4/1963	0.03	4	0.03	0.03	0.03
10/5/1963	0.00	4	0.00	0.00	0.00
10/6/1963	0.00	4	0.00	0.00	0.00
10/7/1963	0.00	4	0.00	0.00	0.00
10/8/1963	0.00	4	0.00	0.00	0.00
10/9/1963	0.00	4	0.00	0.00	0.00
10/10/1963	0.00	4	0.00	0.00	0.00
10/11/1963	0.00	4	0.00	0.00	0.00
10/12/1963	0.00	4	0.00	0.00	0.00
10/13/1963	0.00	4	0.00	0.00	0.00
10/14/1963	0.00	4	0.00	0.00	0.00
10/15/1963	0.00	4	0.00	0.00	0.00
10/16/1963	0.00	4	0.00	0.00	0.00

10/17/1963	0.00	4	0.00	0.00	0.00
10/18/1963	0.00	4	0.00	0.00	0.00
10/19/1963	0.00	4	0.00	0.00	0.00
10/20/1963	0.00	4	0.00	0.00	0.00
10/21/1963	0.00	4	0.00	0.00	0.00
10/22/1963	0.00	4	0.00	0.00	0.00
10/23/1963	0.00	4	0.00	0.00	0.00
10/24/1963	0.00	4	0.00	0.00	0.00
10/25/1963	0.00	4	0.00	0.00	0.00
10/26/1963	0.00	4	0.00	0.00	0.00
10/27/1963	0.00	4	0.00	0.00	0.00
10/28/1963	0.06	4	0.06	0.06	0.06
10/29/1963	0.00	4	0.00	0.00	0.00
10/30/1963	0.00	4	0.00	0.00	0.00
10/31/1963	0.00	4	0.00	0.00	0.00
11/1/1963	0.03	4	0.03	0.03	0.03
11/2/1963	0.28	4	0.30	0.32	0.31
11/3/1963	0.03	4	0.03	0.03	0.03
11/4/1963	0.00	4	0.00	0.00	0.00
11/5/1963	0.00	4	0.00	0.00	0.00
11/6/1963	0.44	4	0.47	0.50	0.49
11/7/1963	1.08	4	1.16	1.22	1.20
11/8/1963	2.40	4	2.58	2.71	2.67
11/9/1963	0.40	4	0.43	0.45	0.45
11/10/1963	0.00	4	0.00	0.00	0.00
11/11/1963	0.40	4	0.43	0.45	0.45
11/12/1963	0.03	4	0.03	0.03	0.03
11/13/1963	0.00	4	0.00	0.00	0.00
11/14/1963	0.00	4	0.00	0.00	0.00
11/15/1963	0.00	4	0.00	0.00	0.00
11/16/1963	0.00	4	0.00	0.00	0.00
11/17/1963	0.00	4	0.00	0.00	0.00
11/18/1963	0.00	4	0.00	0.00	0.00
11/19/1963	0.00	4	0.00	0.00	0.00
11/20/1963	0.00	4	0.00	0.00	0.00
11/21/1963	0.00	4	0.00	0.00	0.00
11/22/1963	0.00	4	0.00	0.00	0.00
11/23/1963	0.00	4	0.00	0.00	0.00
11/24/1963	0.73	4	0.78	0.83	0.81
11/25/1963	0.00	4	0.00	0.00	0.00
11/26/1963	0.00	4	0.00	0.00	0.00
11/27/1963	0.00	4	0.00	0.00	0.00
11/28/1963	0.00	4	0.00	0.00	0.00
11/29/1963	0.00	4	0.00	0.00	0.00
11/30/1963	1.02	4	1.10	1.15	1.14
12/1/1963	0.00	4	0.00	0.00	0.00
12/2/1963	0.00	4	0.00	0.00	0.00
12/3/1963	0.09	4	0.09	0.10	0.10
12/4/1963	0.01	4	0.01	0.01	0.01

12/5/1963	0.00	4	0.00	0.00	0.00
12/6/1963	0.00	4	0.00	0.00	0.00
12/7/1963	0.00	4	0.00	0.00	0.00
12/8/1963	0.00	4	0.00	0.00	0.00
12/9/1963	1.02	4	1.07	1.11	1.09
12/10/1963	0.00	4	0.00	0.00	0.00
12/11/1963	0.00	4	0.00	0.00	0.00
12/12/1963	0.15	4	0.16	0.16	0.16
12/13/1963	0.12	4	0.13	0.13	0.13
12/14/1963	0.00	4	0.00	0.00	0.00
12/15/1963	0.00	4	0.00	0.00	0.00
12/16/1963	0.00	4	0.00	0.00	0.00
12/17/1963	0.00	4	0.00	0.00	0.00
12/18/1963	0.01	4	0.01	0.01	0.01
12/19/1963	0.12	4	0.13	0.13	0.13
12/20/1963	0.00	4	0.00	0.00	0.00
12/21/1963	0.00	4	0.00	0.00	0.00
12/22/1963	0.00	4	0.00	0.00	0.00
12/23/1963	0.00	4	0.00	0.00	0.00
12/24/1963	0.45	4	0.47	0.49	0.48
12/25/1963	0.03	4	0.03	0.03	0.03
12/26/1963	0.00	4	0.00	0.00	0.00
12/27/1963	0.00	4	0.00	0.00	0.00
12/28/1963	0.09	4	0.09	0.10	0.10
12/29/1963	0.00	4	0.00	0.00	0.00
12/30/1963	0.00	4	0.00	0.00	0.00
12/31/1963	0.00	4	0.00	0.00	0.00
1/1/1964	0.00	4	0.00	0.00	0.00
1/2/1964	0.46	4	0.48	0.51	0.50
1/3/1964	0.00	4	0.00	0.00	0.00
1/4/1964	0.00	4	0.00	0.00	0.00
1/5/1964	0.00	4	0.00	0.00	0.00
1/6/1964	0.00	4	0.00	0.00	0.00
1/7/1964	0.03	4	0.03	0.03	0.03
1/8/1964	0.00	4	0.00	0.00	0.00
1/9/1964	0.00	4	0.00	0.00	0.00
1/10/1964	0.50	4	0.52	0.56	0.55
1/11/1964	0.00	4	0.00	0.00	0.00
1/12/1964	0.00	4	0.00	0.00	0.00
1/13/1964	0.20	4	0.21	0.22	0.22
1/14/1964	0.71	4	0.73	0.79	0.77
1/15/1964	0.00	4	0.00	0.00	0.00
1/16/1964	0.00	4	0.00	0.00	0.00
1/17/1964	0.00	4	0.00	0.00	0.00
1/18/1964	0.00	4	0.00	0.00	0.00
1/19/1964	0.00	4	0.00	0.00	0.00
1/20/1964	0.00	4	0.00	0.00	0.00
1/21/1964	0.82	4	0.85	0.91	0.89
1/22/1964	0.00	4	0.00	0.00	0.00

1/23/1964	0.00	4	0.00	0.00	0.00
1/24/1964	0.00	4	0.00	0.00	0.00
1/25/1964	0.14	4	0.14	0.16	0.15
1/26/1964	0.14	4	0.14	0.16	0.15
1/27/1964	0.00	4	0.00	0.00	0.00
1/28/1964	0.15	4	0.15	0.17	0.16
1/29/1964	0.15	4	0.15	0.17	0.16
1/30/1964	0.00	4	0.00	0.00	0.00
1/31/1964	0.00	4	0.00	0.00	0.00
2/1/1964	0.16	4	0.16	0.17	0.17
2/2/1964	0.10	4	0.10	0.11	0.11
2/3/1964	0.00	4	0.00	0.00	0.00
2/4/1964	0.00	4	0.00	0.00	0.00
2/5/1964	0.00	4	0.00	0.00	0.00
2/6/1964	0.00	4	0.00	0.00	0.00
2/7/1964	0.89	4	0.90	0.96	0.93
2/8/1964	0.00	4	0.00	0.00	0.00
2/9/1964	0.00	4	0.00	0.00	0.00
2/10/1964	0.00	4	0.00	0.00	0.00
2/11/1964	0.00	4	0.00	0.00	0.00
2/12/1964	0.00	4	0.00	0.00	0.00
2/13/1964	0.00	4	0.00	0.00	0.00
2/14/1964	0.04	4	0.04	0.04	0.04
2/15/1964	0.00	4	0.00	0.00	0.00
2/16/1964	0.60	4	0.61	0.65	0.63
2/17/1964	0.17	4	0.17	0.18	0.18
2/18/1964	0.00	4	0.00	0.00	0.00
2/19/1964	0.45	4	0.45	0.48	0.47
2/20/1964	0.57	4	0.58	0.61	0.60
2/21/1964	0.00	4	0.00	0.00	0.00
2/22/1964	0.00	4	0.00	0.00	0.00
2/23/1964	0.00	4	0.00	0.00	0.00
2/24/1964	0.00	4	0.00	0.00	0.00
2/25/1964	0.00	4	0.00	0.00	0.00
2/26/1964	0.00	4	0.00	0.00	0.00
2/27/1964	0.00	4	0.00	0.00	0.00
2/28/1964	0.00	4	0.00	0.00	0.00
2/29/1964	0.12	4	0.12	0.13	0.13
3/1/1964	0.00	4	0.00	0.00	0.00
3/2/1964	0.05	4	0.05	0.06	0.06
3/3/1964	0.00	4	0.00	0.00	0.00
3/4/1964	0.00	4	0.00	0.00	0.00
3/5/1964	0.02	4	0.02	0.02	0.02
3/6/1964	0.00	4	0.00	0.00	0.00
3/7/1964	0.00	4	0.00	0.00	0.00
3/8/1964	0.00	4	0.00	0.00	0.00
3/9/1964	0.26	4	0.26	0.31	0.30
3/10/1964	0.48	4	0.48	0.57	0.56
3/11/1964	0.49	4	0.49	0.58	0.57

3/12/1964	0.01	4	0.01	0.01	0.01
3/13/1964	0.09	4	0.09	0.11	0.10
3/14/1964	0.00	4	0.00	0.00	0.00
3/15/1964	0.07	4	0.07	0.08	0.08
3/16/1964	0.00	4	0.00	0.00	0.00
3/17/1964	0.00	4	0.00	0.00	0.00
3/18/1964	0.10	4	0.10	0.12	0.12
3/19/1964	0.00	4	0.00	0.00	0.00
3/20/1964	0.00	4	0.00	0.00	0.00
3/21/1964	0.00	4	0.00	0.00	0.00
3/22/1964	0.00	4	0.00	0.00	0.00
3/23/1964	0.00	4	0.00	0.00	0.00
3/24/1964	0.00	4	0.00	0.00	0.00
3/25/1964	0.00	4	0.00	0.00	0.00
3/26/1964	0.00	4	0.00	0.00	0.00
3/27/1964	0.03	4	0.03	0.04	0.03
3/28/1964	0.00	4	0.00	0.00	0.00
3/29/1964	0.28	4	0.28	0.33	0.33
3/30/1964	0.00	4	0.00	0.00	0.00
3/31/1964	0.00	4	0.00	0.00	0.00
4/1/1964	0.00	4	0.00	0.00	0.00
4/2/1964	0.00	4	0.00	0.00	0.00
4/3/1964	0.22	4	0.22	0.23	0.23
4/4/1964	0.02	4	0.02	0.02	0.02
4/5/1964	0.00	4	0.00	0.00	0.00
4/6/1964	0.00	4	0.00	0.00	0.00
4/7/1964	1.16	4	1.17	1.20	1.21
4/8/1964	0.14	4	0.14	0.15	0.15
4/9/1964	0.25	4	0.25	0.26	0.26
4/10/1964	0.00	4	0.00	0.00	0.00
4/11/1964	0.00	4	0.00	0.00	0.00
4/12/1964	0.00	4	0.00	0.00	0.00
4/13/1964	0.00	4	0.00	0.00	0.00
4/14/1964	0.18	4	0.18	0.19	0.19
4/15/1964	0.85	4	0.86	0.88	0.89
4/16/1964	0.00	4	0.00	0.00	0.00
4/17/1964	0.00	4	0.00	0.00	0.00
4/18/1964	0.00	4	0.00	0.00	0.00
4/19/1964	0.42	4	0.42	0.44	0.44
4/20/1964	0.15	4	0.15	0.16	0.16
4/21/1964	0.32	4	0.32	0.33	0.33
4/22/1964	0.05	4	0.05	0.05	0.05
4/23/1964	0.01	4	0.01	0.01	0.01
4/24/1964	0.00	4	0.00	0.00	0.00
4/25/1964	0.00	4	0.00	0.00	0.00
4/26/1964	0.00	4	0.00	0.00	0.00
4/27/1964	0.00	4	0.00	0.00	0.00
4/28/1964	0.04	4	0.04	0.04	0.04
4/29/1964	0.05	4	0.05	0.05	0.05

4/30/1964	0.09	4	0.09	0.09	0.09
5/1/1964	0.03	4	0.03	0.03	0.03
5/2/1964	0.00	4	0.00	0.00	0.00
5/3/1964	0.00	4	0.00	0.00	0.00
5/4/1964	0.00	4	0.00	0.00	0.00
5/5/1964	0.00	4	0.00	0.00	0.00
5/6/1964	0.00	4	0.00	0.00	0.00
5/7/1964	0.00	4	0.00	0.00	0.00
5/8/1964	0.00	4	0.00	0.00	0.00
5/9/1964	0.00	4	0.00	0.00	0.00
5/10/1964	0.00	4	0.00	0.00	0.00
5/11/1964	0.00	4	0.00	0.00	0.00
5/12/1964	0.00	4	0.00	0.00	0.00
5/13/1964	0.00	4	0.00	0.00	0.00
5/14/1964	0.21	4	0.21	0.22	0.22
5/15/1964	0.99	4	0.99	1.02	1.04
5/16/1964	0.00	4	0.00	0.00	0.00
5/17/1964	0.00	4	0.00	0.00	0.00
5/18/1964	0.00	4	0.00	0.00	0.00
5/19/1964	0.00	4	0.00	0.00	0.00
5/20/1964	0.42	4	0.42	0.43	0.44
5/21/1964	0.00	4	0.00	0.00	0.00
5/22/1964	0.00	4	0.00	0.00	0.00
5/23/1964	0.00	4	0.00	0.00	0.00
5/24/1964	0.00	4	0.00	0.00	0.00
5/25/1964	0.00	4	0.00	0.00	0.00
5/26/1964	0.00	4	0.00	0.00	0.00
5/27/1964	0.00	4	0.00	0.00	0.00
5/28/1964	0.00	4	0.00	0.00	0.00
5/29/1964	0.00	4	0.00	0.00	0.00
5/30/1964	0.00	4	0.00	0.00	0.00
5/31/1964	0.00	4	0.00	0.00	0.00
6/1/1964	0.00	4	0.00	0.00	0.00
6/2/1964	0.04	4	0.04	0.04	0.04
6/3/1964	0.00	4	0.00	0.00	0.00
6/4/1964	0.47	4	0.47	0.49	0.48
6/5/1964	0.00	4	0.00	0.00	0.00
6/6/1964	0.00	4	0.00	0.00	0.00
6/7/1964	0.25	4	0.25	0.26	0.26
6/8/1964	1.43	4	1.42	1.50	1.47
6/9/1964	0.01	4	0.01	0.01	0.01
6/10/1964	0.00	4	0.00	0.00	0.00
6/11/1964	0.00	4	0.00	0.00	0.00
6/12/1964	0.00	4	0.00	0.00	0.00
6/13/1964	0.00	4	0.00	0.00	0.00
6/14/1964	0.02	4	0.02	0.02	0.02
6/15/1964	0.00	4	0.00	0.00	0.00
6/16/1964	0.26	4	0.26	0.27	0.27
6/17/1964	0.00	4	0.00	0.00	0.00

6/18/1964	0.00	4	0.00	0.00	0.00
6/19/1964	0.00	4	0.00	0.00	0.00
6/20/1964	0.04	4	0.04	0.04	0.04
6/21/1964	0.00	4	0.00	0.00	0.00
6/22/1964	0.00	4	0.00	0.00	0.00
6/23/1964	0.01	4	0.01	0.01	0.01
6/24/1964	0.00	4	0.00	0.00	0.00
6/25/1964	0.88	4	0.87	0.92	0.91
6/26/1964	0.00	4	0.00	0.00	0.00
6/27/1964	0.00	4	0.00	0.00	0.00
6/28/1964	0.00	4	0.00	0.00	0.00
6/29/1964	0.00	4	0.00	0.00	0.00
6/30/1964	0.00	4	0.00	0.00	0.00
7/1/1964	0.00	4	0.00	0.00	0.00
7/2/1964	0.00	4	0.00	0.00	0.00
7/3/1964	0.00	4	0.00	0.00	0.00
7/4/1964	0.00	4	0.00	0.00	0.00
7/5/1964	0.26	4	0.26	0.27	0.27
7/6/1964	0.02	4	0.02	0.02	0.02
7/7/1964	0.00	4	0.00	0.00	0.00
7/8/1964	0.00	4	0.00	0.00	0.00
7/9/1964	0.54	4	0.54	0.56	0.56
7/10/1964	0.41	4	0.41	0.42	0.42
7/11/1964	0.18	4	0.18	0.19	0.19
7/12/1964	0.00	4	0.00	0.00	0.00
7/13/1964	0.00	4	0.00	0.00	0.00
7/14/1964	0.04	4	0.04	0.04	0.04
7/15/1964	0.01	4	0.01	0.01	0.01
7/16/1964	0.00	4	0.00	0.00	0.00
7/17/1964	0.00	4	0.00	0.00	0.00
7/18/1964	0.00	4	0.00	0.00	0.00
7/19/1964	0.00	4	0.00	0.00	0.00
7/20/1964	0.07	4	0.07	0.07	0.07
7/21/1964	0.00	4	0.00	0.00	0.00
7/22/1964	0.00	4	0.00	0.00	0.00
7/23/1964	0.17	4	0.17	0.18	0.18
7/24/1964	0.07	4	0.07	0.07	0.07
7/25/1964	0.00	4	0.00	0.00	0.00
7/26/1964	0.00	4	0.00	0.00	0.00
7/27/1964	0.00	4	0.00	0.00	0.00
7/28/1964	0.00	4	0.00	0.00	0.00
7/29/1964	0.00	4	0.00	0.00	0.00
7/30/1964	0.23	4	0.23	0.24	0.24
7/31/1964	0.00	4	0.00	0.00	0.00
8/1/1964	0.00	4	0.00	0.00	0.00
8/2/1964	0.00	4	0.00	0.00	0.00
8/3/1964	0.03	4	0.03	0.03	0.03
8/4/1964	0.00	4	0.00	0.00	0.00
8/5/1964	0.00	4	0.00	0.00	0.00

8/6/1964	0.33	4	0.36	0.38	0.38
8/7/1964	0.00	4	0.00	0.00	0.00
8/8/1964	0.00	4	0.00	0.00	0.00
8/9/1964	0.00	4	0.00	0.00	0.00
8/10/1964	0.00	4	0.00	0.00	0.00
8/11/1964	0.00	4	0.00	0.00	0.00
8/12/1964	0.16	4	0.17	0.19	0.19
8/13/1964	0.87	4	0.94	1.01	1.01
8/14/1964	0.00	4	0.00	0.00	0.00
8/15/1964	0.00	4	0.00	0.00	0.00
8/16/1964	0.00	4	0.00	0.00	0.00
8/17/1964	0.00	4	0.00	0.00	0.00
8/18/1964	0.00	4	0.00	0.00	0.00
8/19/1964	0.09	4	0.10	0.10	0.10
8/20/1964	0.00	4	0.00	0.00	0.00
8/21/1964	0.00	4	0.00	0.00	0.00
8/22/1964	0.10	4	0.11	0.12	0.12
8/23/1964	0.00	4	0.00	0.00	0.00
8/24/1964	0.00	4	0.00	0.00	0.00
8/25/1964	0.00	4	0.00	0.00	0.00
8/26/1964	0.00	4	0.00	0.00	0.00
8/27/1964	0.00	4	0.00	0.00	0.00
8/28/1964	0.00	4	0.00	0.00	0.00
8/29/1964	0.00	4	0.00	0.00	0.00
8/30/1964	0.00	4	0.00	0.00	0.00
8/31/1964	0.00	4	0.00	0.00	0.00
9/1/1964	0.02	4	0.02	0.02	0.02
9/2/1964	0.00	4	0.00	0.00	0.00
9/3/1964	0.00	4	0.00	0.00	0.00
9/4/1964	0.00	4	0.00	0.00	0.00
9/5/1964	0.00	4	0.00	0.00	0.00
9/6/1964	0.00	4	0.00	0.00	0.00
9/7/1964	0.00	4	0.00	0.00	0.00
9/8/1964	0.00	4	0.00	0.00	0.00
9/9/1964	0.00	4	0.00	0.00	0.00
9/10/1964	0.00	4	0.00	0.00	0.00
9/11/1964	0.00	4	0.00	0.00	0.00
9/12/1964	0.00	4	0.00	0.00	0.00
9/13/1964	0.00	4	0.00	0.00	0.00
9/14/1964	0.00	4	0.00	0.00	0.00
9/15/1964	0.00	4	0.00	0.00	0.00
9/16/1964	0.00	4	0.00	0.00	0.00
9/17/1964	0.00	4	0.00	0.00	0.00
9/18/1964	0.00	4	0.00	0.00	0.00
9/19/1964	0.00	4	0.00	0.00	0.00
9/20/1964	0.00	4	0.00	0.00	0.00
9/21/1964	0.00	4	0.00	0.00	0.00
9/22/1964	0.00	4	0.00	0.00	0.00
9/23/1964	0.00	4	0.00	0.00	0.00

9/24/1964	0.00	4	0.00	0.00	0.00
9/25/1964	0.00	4	0.00	0.00	0.00
9/26/1964	0.03	4	0.03	0.03	0.03
9/27/1964	0.00	4	0.00	0.00	0.00
9/28/1964	0.02	4	0.02	0.02	0.02
9/29/1964	0.00	1	0.00	0.00	0.00
9/30/1964	0.00	1	0.00	0.00	0.00
10/1/1964	0.24	1	0.23	0.24	0.24
10/2/1964	0.03	1	0.03	0.03	0.03
10/3/1964	0.02	1	0.02	0.02	0.02
10/4/1964	0.00	1	0.00	0.00	0.00
10/5/1964	0.00	1	0.00	0.00	0.00
10/6/1964	0.00	1	0.00	0.00	0.00
10/7/1964	0.00	1	0.00	0.00	0.00
10/8/1964	0.00	1	0.00	0.00	0.00
10/9/1964	0.00	1	0.00	0.00	0.00
10/10/1964	0.03	1	0.03	0.03	0.03
10/11/1964	0.00	1	0.00	0.00	0.00
10/12/1964	0.00	1	0.00	0.00	0.00
10/13/1964	0.00	1	0.00	0.00	0.00
10/14/1964	0.01	1	0.01	0.01	0.01
10/15/1964	0.00	1	0.00	0.00	0.00
10/16/1964	0.00	1	0.00	0.00	0.00
10/17/1964	0.00	1	0.00	0.00	0.00
10/18/1964	0.00	1	0.00	0.00	0.00
10/19/1964	0.00	1	0.00	0.00	0.00
10/20/1964	0.00	1	0.00	0.00	0.00
10/21/1964	0.00	1	0.00	0.00	0.00
10/22/1964	0.79	1	0.75	0.79	0.79
10/23/1964	0.30	1	0.29	0.30	0.30
10/24/1964	0.16	1	0.15	0.16	0.16
10/25/1964	0.02	1	0.02	0.02	0.02
10/26/1964	0.00	1	0.00	0.00	0.00
10/27/1964	0.00	1	0.00	0.00	0.00
10/28/1964	0.92	1	0.88	0.92	0.92
10/29/1964	0.00	1	0.00	0.00	0.00
10/30/1964	0.00	1	0.00	0.00	0.00
10/31/1964	0.45	1	0.43	0.45	0.45
11/1/1964	0.00	1	0.00	0.00	0.00
11/2/1964	0.00	1	0.00	0.00	0.00
11/3/1964	0.00	1	0.00	0.00	0.00
11/4/1964	0.02	1	0.02	0.02	0.02
11/5/1964	0.00	1	0.00	0.00	0.00
11/6/1964	0.00	1	0.00	0.00	0.00
11/7/1964	0.00	1	0.00	0.00	0.00
11/8/1964	0.00	1	0.00	0.00	0.00
11/9/1964	0.00	1	0.00	0.00	0.00
11/10/1964	0.04	1	0.04	0.04	0.04
11/11/1964	0.00	1	0.00	0.00	0.00

11/12/1964	0.00	1	0.00	0.00	0.00
11/13/1964	0.00	1	0.00	0.00	0.00
11/14/1964	0.00	1	0.00	0.00	0.00
11/15/1964	0.00	1	0.00	0.00	0.00
11/16/1964	1.97	1	1.91	2.01	1.98
11/17/1964	0.00	1	0.00	0.00	0.00
11/18/1964	0.00	1	0.00	0.00	0.00
11/19/1964	0.00	1	0.00	0.00	0.00
11/20/1964	0.82	1	0.79	0.84	0.82
11/21/1964	0.00	1	0.00	0.00	0.00
11/22/1964	0.00	1	0.00	0.00	0.00
11/23/1964	0.00	1	0.00	0.00	0.00
11/24/1964	0.00	1	0.00	0.00	0.00
11/25/1964	0.11	1	0.11	0.11	0.11
11/26/1964	0.00	1	0.00	0.00	0.00
11/27/1964	0.00	1	0.00	0.00	0.00
11/28/1964	0.00	1	0.00	0.00	0.00
11/29/1964	0.00	1	0.00	0.00	0.00
11/30/1964	0.98	1	0.95	1.00	0.99
12/1/1964	1.19	1	1.17	1.21	1.19
12/2/1964	0.00	1	0.00	0.00	0.00
12/3/1964	0.00	1	0.00	0.00	0.00
12/4/1964	0.00	1	0.00	0.00	0.00
12/5/1964	0.14	1	0.14	0.14	0.14
12/6/1964	0.00	1	0.00	0.00	0.00
12/7/1964	0.31	1	0.30	0.32	0.31
12/8/1964	0.00	1	0.00	0.00	0.00
12/9/1964	0.00	1	0.00	0.00	0.00
12/10/1964	0.00	1	0.00	0.00	0.00
12/11/1964	0.00	1	0.00	0.00	0.00
12/12/1964	0.34	1	0.33	0.35	0.34
12/13/1964	0.13	1	0.13	0.13	0.13
12/14/1964	0.00	1	0.00	0.00	0.00
12/15/1964	0.00	1	0.00	0.00	0.00
12/16/1964	0.00	1	0.00	0.00	0.00
12/17/1964	0.14	1	0.14	0.14	0.14
12/18/1964	0.59	1	0.58	0.60	0.59
12/19/1964	0.00	1	0.00	0.00	0.00
12/20/1964	0.00	1	0.00	0.00	0.00
12/21/1964	0.00	1	0.00	0.00	0.00
12/22/1964	0.00	1	0.00	0.00	0.00
12/23/1964	0.00	1	0.00	0.00	0.00
12/24/1964	0.25	1	0.24	0.25	0.25
12/25/1964	0.32	1	0.31	0.33	0.32
12/26/1964	0.00	1	0.00	0.00	0.00
12/27/1964	0.03	1	0.03	0.03	0.03
12/28/1964	0.00	1	0.00	0.00	0.00
12/29/1964	0.00	1	0.00	0.00	0.00
12/30/1964	0.33	1	0.32	0.34	0.33

12/31/1964	0.02	1	0.02	0.02	0.02
1/1/1965	0.00	1	0.00	0.00	0.00
1/2/1965	0.00	1	0.00	0.00	0.00
1/3/1965	0.04	1	0.04	0.04	0.04
1/4/1965	0.57	1	0.54	0.58	0.57
1/5/1965	0.00	1	0.00	0.00	0.00
1/6/1965	0.02	1	0.02	0.02	0.02
1/7/1965	0.00	1	0.00	0.00	0.00
1/8/1965	0.18	1	0.17	0.18	0.18
1/9/1965	0.00	1	0.00	0.00	0.00
1/10/1965	0.00	1	0.00	0.00	0.00
1/11/1965	0.19	1	0.18	0.19	0.19
1/12/1965	0.29	1	0.28	0.30	0.29
1/13/1965	0.04	1	0.04	0.04	0.04
1/14/1965	0.00	1	0.00	0.00	0.00
1/15/1965	0.02	1	0.02	0.02	0.02
1/16/1965	0.00	1	0.00	0.00	0.00
1/17/1965	0.00	1	0.00	0.00	0.00
1/18/1965	0.35	1	0.33	0.36	0.35
1/19/1965	0.04	1	0.04	0.04	0.04
1/20/1965	0.00	1	0.00	0.00	0.00
1/21/1965	0.07	1	0.07	0.07	0.07
1/22/1965	0.00	1	0.00	0.00	0.00
1/23/1965	0.00	1	0.00	0.00	0.00
1/24/1965	1.54	1	1.47	1.58	1.55
1/25/1965	0.42	1	0.40	0.43	0.42
1/26/1965	0.00	1	0.00	0.00	0.00
1/27/1965	0.00	1	0.00	0.00	0.00
1/28/1965	0.00	1	0.00	0.00	0.00
1/29/1965	0.00	1	0.00	0.00	0.00
1/30/1965	0.00	1	0.00	0.00	0.00
1/31/1965	0.00	1	0.00	0.00	0.00
2/1/1965	0.09	1	0.09	0.09	0.08
2/2/1965	0.02	1	0.02	0.02	0.02
2/3/1965	0.00	1	0.00	0.00	0.00
2/4/1965	0.00	1	0.00	0.00	0.00
2/5/1965	0.00	1	0.00	0.00	0.00
2/6/1965	0.00	1	0.00	0.00	0.00
2/7/1965	0.00	1	0.00	0.00	0.00
2/8/1965	0.23	1	0.22	0.24	0.20
2/9/1965	0.22	1	0.21	0.23	0.19
2/10/1965	0.49	1	0.47	0.50	0.43
2/11/1965	0.02	1	0.02	0.02	0.02
2/12/1965	0.00	1	0.00	0.00	0.00
2/13/1965	0.62	1	0.60	0.64	0.54
2/14/1965	0.00	1	0.00	0.00	0.00
2/15/1965	0.00	1	0.00	0.00	0.00
2/16/1965	0.00	1	0.00	0.00	0.00
2/17/1965	0.00	1	0.00	0.00	0.00

2/18/1965	0.00	1	0.00	0.00	0.00
2/19/1965	0.00	1	0.00	0.00	0.00
2/20/1965	0.00	1	0.00	0.00	0.00
2/21/1965	0.00	1	0.00	0.00	0.00
2/22/1965	0.02	1	0.02	0.02	0.02
2/23/1965	0.00	1	0.00	0.00	0.00
2/24/1965	0.00	1	0.00	0.00	0.00
2/25/1965	0.00	1	0.00	0.00	0.00
2/26/1965	0.65	1	0.63	0.67	0.57
2/27/1965	0.00	1	0.00	0.00	0.00
2/28/1965	0.00	1	0.00	0.00	0.00
3/1/1965	0.00	1	0.00	0.00	0.00
3/2/1965	0.22	1	0.19	0.23	0.22
3/3/1965	0.00	1	0.00	0.00	0.00
3/4/1965	0.00	1	0.00	0.00	0.00
3/5/1965	0.00	1	0.00	0.00	0.00
3/6/1965	0.00	1	0.00	0.00	0.00
3/7/1965	0.04	1	0.03	0.04	0.04
3/8/1965	0.04	1	0.03	0.04	0.04
3/9/1965	0.00	1	0.00	0.00	0.00
3/10/1965	0.07	1	0.06	0.07	0.07
3/11/1965	0.21	1	0.18	0.22	0.21
3/12/1965	0.00	1	0.00	0.00	0.00
3/13/1965	0.00	1	0.00	0.00	0.00
3/14/1965	0.49	1	0.43	0.50	0.50
3/15/1965	1.04	1	0.91	1.07	1.06
3/16/1965	0.00	1	0.00	0.00	0.00
3/17/1965	0.00	1	0.00	0.00	0.00
3/18/1965	0.00	1	0.00	0.00	0.00
3/19/1965	0.02	1	0.02	0.02	0.02
3/20/1965	0.00	1	0.00	0.00	0.00
3/21/1965	0.00	1	0.00	0.00	0.00
3/22/1965	0.00	1	0.00	0.00	0.00
3/23/1965	0.00	1	0.00	0.00	0.00
3/24/1965	0.00	1	0.00	0.00	0.00
3/25/1965	0.01	1	0.01	0.01	0.01
3/26/1965	0.01	1	0.01	0.01	0.01
3/27/1965	0.08	1	0.07	0.08	0.08
3/28/1965	0.37	1	0.32	0.38	0.38
3/29/1965	0.53	1	0.46	0.55	0.54
3/30/1965	0.00	1	0.00	0.00	0.00
3/31/1965	0.08	1	0.07	0.08	0.08
4/1/1965	1.07	1	1.03	1.06	1.07
4/2/1965	0.08	1	0.08	0.08	0.08
4/3/1965	0.00	1	0.00	0.00	0.00
4/4/1965	0.50	1	0.48	0.50	0.50
4/5/1965	0.07	1	0.07	0.07	0.07
4/6/1965	0.03	1	0.03	0.03	0.03
4/7/1965	0.54	1	0.52	0.54	0.54

4/8/1965	0.03	1	0.03	0.03	0.03
4/9/1965	0.00	1	0.00	0.00	0.00
4/10/1965	0.00	1	0.00	0.00	0.00
4/11/1965	0.00	1	0.00	0.00	0.00
4/12/1965	0.00	1	0.00	0.00	0.00
4/13/1965	0.00	1	0.00	0.00	0.00
4/14/1965	0.00	1	0.00	0.00	0.00
4/15/1965	0.00	1	0.00	0.00	0.00
4/16/1965	0.00	1	0.00	0.00	0.00
4/17/1965	0.16	1	0.15	0.16	0.16
4/18/1965	0.00	1	0.00	0.00	0.00
4/19/1965	0.00	1	0.00	0.00	0.00
4/20/1965	0.17	1	0.16	0.17	0.17
4/21/1965	0.54	1	0.52	0.54	0.54
4/22/1965	0.08	1	0.08	0.08	0.08
4/23/1965	0.03	1	0.03	0.03	0.03
4/24/1965	0.00	1	0.00	0.00	0.00
4/25/1965	0.08	1	0.08	0.08	0.08
4/26/1965	0.25	1	0.24	0.25	0.25
4/27/1965	0.03	1	0.03	0.03	0.03
4/28/1965	0.02	1	0.02	0.02	0.02
4/29/1965	0.00	1	0.00	0.00	0.00
4/30/1965	0.00	1	0.00	0.00	0.00
5/1/1965	0.02	1	0.02	0.02	0.02
5/2/1965	0.08	1	0.08	0.08	0.08
5/3/1965	0.00	1	0.00	0.00	0.00
5/4/1965	0.00	1	0.00	0.00	0.00
5/5/1965	0.06	1	0.06	0.06	0.06
5/6/1965	1.92	1	1.85	1.90	1.94
5/7/1965	0.28	1	0.27	0.28	0.28
5/8/1965	0.23	1	0.22	0.23	0.23
5/9/1965	0.00	1	0.00	0.00	0.00
5/10/1965	0.00	1	0.00	0.00	0.00
5/11/1965	0.00	1	0.00	0.00	0.00
5/12/1965	0.00	1	0.00	0.00	0.00
5/13/1965	0.08	1	0.08	0.08	0.08
5/14/1965	1.53	1	1.47	1.52	1.55
5/15/1965	0.18	1	0.17	0.18	0.18
5/16/1965	0.00	1	0.00	0.00	0.00
5/17/1965	0.00	1	0.00	0.00	0.00
5/18/1965	0.00	1	0.00	0.00	0.00
5/19/1965	0.00	1	0.00	0.00	0.00
5/20/1965	0.04	1	0.04	0.04	0.04
5/21/1965	0.00	1	0.00	0.00	0.00
5/22/1965	0.00	1	0.00	0.00	0.00
5/23/1965	0.12	1	0.12	0.12	0.12
5/24/1965	0.00	1	0.00	0.00	0.00
5/25/1965	0.02	1	0.02	0.02	0.02
5/26/1965	0.47	1	0.45	0.47	0.48

5/27/1965	0.09	1	0.09	0.09	0.09
5/28/1965	0.00	1	0.00	0.00	0.00
5/29/1965	0.00	1	0.00	0.00	0.00
5/30/1965	0.34	1	0.33	0.34	0.34
5/31/1965	0.03	1	0.03	0.03	0.03
6/1/1965	0.43	1	0.42	0.44	0.43
6/2/1965	0.00	1	0.00	0.00	0.00
6/3/1965	0.00	1	0.00	0.00	0.00
6/4/1965	0.00	1	0.00	0.00	0.00
6/5/1965	0.34	1	0.33	0.35	0.34
6/6/1965	0.22	1	0.21	0.23	0.22
6/7/1965	0.10	1	0.10	0.10	0.10
6/8/1965	0.00	1	0.00	0.00	0.00
6/9/1965	0.00	1	0.00	0.00	0.00
6/10/1965	0.00	1	0.00	0.00	0.00
6/11/1965	0.00	1	0.00	0.00	0.00
6/12/1965	0.00	1	0.00	0.00	0.00
6/13/1965	0.00	1	0.00	0.00	0.00
6/14/1965	0.11	1	0.11	0.11	0.11
6/15/1965	0.00	1	0.00	0.00	0.00
6/16/1965	0.00	1	0.00	0.00	0.00
6/17/1965	0.07	1	0.07	0.07	0.07
6/18/1965	0.00	1	0.00	0.00	0.00
6/19/1965	0.10	1	0.10	0.10	0.10
6/20/1965	0.62	1	0.60	0.64	0.62
6/21/1965	0.00	1	0.00	0.00	0.00
6/22/1965	0.00	1	0.00	0.00	0.00
6/23/1965	0.00	1	0.00	0.00	0.00
6/24/1965	0.36	1	0.35	0.37	0.36
6/25/1965	0.02	1	0.02	0.02	0.02
6/26/1965	0.02	1	0.02	0.02	0.02
6/27/1965	0.01	1	0.01	0.01	0.01
6/28/1965	0.00	1	0.00	0.00	0.00
6/29/1965	0.00	1	0.00	0.00	0.00
6/30/1965	0.00	1	0.00	0.00	0.00
7/1/1965	0.86	1	0.83	0.86	0.87
7/2/1965	0.41	1	0.40	0.41	0.41
7/3/1965	0.00	1	0.00	0.00	0.00
7/4/1965	0.00	1	0.00	0.00	0.00
7/5/1965	0.00	1	0.00	0.00	0.00
7/6/1965	0.00	1	0.00	0.00	0.00
7/7/1965	0.04	1	0.04	0.04	0.04
7/8/1965	0.55	1	0.53	0.55	0.55
7/9/1965	0.56	1	0.54	0.56	0.56
7/10/1965	0.00	1	0.00	0.00	0.00
7/11/1965	0.09	1	0.09	0.09	0.09
7/12/1965	0.00	1	0.00	0.00	0.00
7/13/1965	0.31	1	0.30	0.31	0.31
7/14/1965	0.09	1	0.09	0.09	0.09

7/15/1965	0.35	1	0.34	0.35	0.35
7/16/1965	0.00	1	0.00	0.00	0.00
7/17/1965	0.00	1	0.00	0.00	0.00
7/18/1965	0.06	1	0.06	0.06	0.06
7/19/1965	0.00	1	0.00	0.00	0.00
7/20/1965	0.00	1	0.00	0.00	0.00
7/21/1965	0.41	1	0.40	0.41	0.41
7/22/1965	0.02	1	0.02	0.02	0.02
7/23/1965	0.01	1	0.01	0.01	0.01
7/24/1965	0.09	1	0.09	0.09	0.09
7/25/1965	0.65	1	0.63	0.65	0.65
7/26/1965	0.02	1	0.02	0.02	0.02
7/27/1965	0.00	1	0.00	0.00	0.00
7/28/1965	0.01	1	0.01	0.01	0.01
7/29/1965	0.00	1	0.00	0.00	0.00
7/30/1965	0.00	1	0.00	0.00	0.00
7/31/1965	0.00	1	0.00	0.00	0.00
8/1/1965	0.00	1	0.00	0.00	0.00
8/2/1965	0.00	1	0.00	0.00	0.00
8/3/1965	0.14	1	0.13	0.14	0.14
8/4/1965	0.00	1	0.00	0.00	0.00
8/5/1965	0.19	1	0.18	0.19	0.19
8/6/1965	0.00	1	0.00	0.00	0.00
8/7/1965	0.00	1	0.00	0.00	0.00
8/8/1965	0.24	1	0.22	0.24	0.24
8/9/1965	0.01	1	0.01	0.01	0.01
8/10/1965	0.00	1	0.00	0.00	0.00
8/11/1965	0.00	1	0.00	0.00	0.00
8/12/1965	1.57	1	1.47	1.58	1.58
8/13/1965	0.00	1	0.00	0.00	0.00
8/14/1965	0.00	1	0.00	0.00	0.00
8/15/1965	0.08	1	0.07	0.08	0.08
8/16/1965	0.00	1	0.00	0.00	0.00
8/17/1965	0.00	1	0.00	0.00	0.00
8/18/1965	0.00	1	0.00	0.00	0.00
8/19/1965	0.59	1	0.55	0.59	0.59
8/20/1965	0.00	1	0.00	0.00	0.00
8/21/1965	0.00	1	0.00	0.00	0.00
8/22/1965	0.00	1	0.00	0.00	0.00
8/23/1965	0.53	1	0.50	0.53	0.53
8/24/1965	0.00	1	0.00	0.00	0.00
8/25/1965	0.00	1	0.00	0.00	0.00
8/26/1965	0.00	1	0.00	0.00	0.00
8/27/1965	0.00	1	0.00	0.00	0.00
8/28/1965	0.00	1	0.00	0.00	0.00
8/29/1965	0.00	1	0.00	0.00	0.00
8/30/1965	0.02	1	0.02	0.02	0.02
8/31/1965	0.00	1	0.00	0.00	0.00
9/1/1965	0.02	1	0.02	0.02	0.02

9/2/1965	0.00	1	0.00	0.00	0.00
9/3/1965	0.72	1	0.69	0.73	0.72
9/4/1965	0.19	1	0.18	0.19	0.19
9/5/1965	0.00	1	0.00	0.00	0.00
9/6/1965	0.11	1	0.11	0.11	0.11
9/7/1965	0.74	1	0.71	0.76	0.74
9/8/1965	0.03	1	0.03	0.03	0.03
9/9/1965	0.02	1	0.02	0.02	0.02
9/10/1965	0.00	1	0.00	0.00	0.00
9/11/1965	0.00	1	0.00	0.00	0.00
9/12/1965	0.00	1	0.00	0.00	0.00
9/13/1965	0.00	1	0.00	0.00	0.00
9/14/1965	0.00	1	0.00	0.00	0.00
9/15/1965	0.24	1	0.23	0.24	0.24
9/16/1965	0.00	1	0.00	0.00	0.00
9/17/1965	0.00	1	0.00	0.00	0.00
9/18/1965	0.00	1	0.00	0.00	0.00
9/19/1965	0.00	1	0.00	0.00	0.00
9/20/1965	0.02	1	0.02	0.02	0.02
9/21/1965	0.00	1	0.00	0.00	0.00
9/22/1965	0.00	1	0.00	0.00	0.00
9/23/1965	0.00	1	0.00	0.00	0.00
9/24/1965	0.00	1	0.00	0.00	0.00
9/25/1965	0.00	1	0.00	0.00	0.00
9/26/1965	0.00	1	0.00	0.00	0.00
9/27/1965	0.00	1	0.00	0.00	0.00
9/28/1965	0.00	1	0.00	0.00	0.00
9/29/1965	0.00	1	0.00	0.00	0.00
9/30/1965	0.01	1	0.01	0.01	0.01
10/1/1965	0.16	1	0.15	0.16	0.16
10/2/1965	0.00	1	0.00	0.00	0.00
10/3/1965	0.00	1	0.00	0.00	0.00
10/4/1965	0.00	1	0.00	0.00	0.00
10/5/1965	0.00	1	0.00	0.00	0.00
10/6/1965	0.00	1	0.00	0.00	0.00
10/7/1965	0.00	1	0.00	0.00	0.00
10/8/1965	0.00	1	0.00	0.00	0.00
10/9/1965	0.63	1	0.60	0.63	0.63
10/10/1965	0.08	1	0.08	0.08	0.08
10/11/1965	0.00	1	0.00	0.00	0.00
10/12/1965	0.12	1	0.11	0.12	0.12
10/13/1965	0.00	1	0.00	0.00	0.00
10/14/1965	0.00	1	0.00	0.00	0.00
10/15/1965	0.00	1	0.00	0.00	0.00
10/16/1965	0.14	1	0.13	0.14	0.14
10/17/1965	0.00	1	0.00	0.00	0.00
10/18/1965	0.00	1	0.00	0.00	0.00
10/19/1965	0.00	1	0.00	0.00	0.00
10/20/1965	0.00	1	0.00	0.00	0.00

10/21/1965	0.00	1	0.00	0.00	0.00
10/22/1965	0.00	1	0.00	0.00	0.00
10/23/1965	0.00	1	0.00	0.00	0.00
10/24/1965	0.02	1	0.02	0.02	0.02
10/25/1965	0.23	1	0.22	0.23	0.23
10/26/1965	0.00	1	0.00	0.00	0.00
10/27/1965	0.00	1	0.00	0.00	0.00
10/28/1965	0.00	1	0.00	0.00	0.00
10/29/1965	0.08	1	0.08	0.08	0.08
10/30/1965	3.21	1	3.06	3.21	3.23
10/31/1965	0.08	1	0.08	0.08	0.08
11/1/1965	0.00	1	0.00	0.00	0.00
11/2/1965	0.03	1	0.03	0.03	0.03
11/3/1965	0.00	1	0.00	0.00	0.00
11/4/1965	0.00	1	0.00	0.00	0.00
11/5/1965	0.02	1	0.02	0.02	0.02
11/6/1965	0.06	1	0.06	0.06	0.06
11/7/1965	0.09	1	0.09	0.09	0.09
11/8/1965	0.18	1	0.17	0.18	0.18
11/9/1965	0.00	1	0.00	0.00	0.00
11/10/1965	0.00	1	0.00	0.00	0.00
11/11/1965	0.00	1	0.00	0.00	0.00
11/12/1965	0.00	1	0.00	0.00	0.00
11/13/1965	0.00	1	0.00	0.00	0.00
11/14/1965	0.04	1	0.04	0.04	0.04
11/15/1965	0.00	1	0.00	0.00	0.00
11/16/1965	0.08	1	0.08	0.08	0.08
11/17/1965	0.07	1	0.07	0.07	0.07
11/18/1965	0.00	1	0.00	0.00	0.00
11/19/1965	0.35	1	0.34	0.36	0.35
11/20/1965	0.00	1	0.00	0.00	0.00
11/21/1965	0.00	1	0.00	0.00	0.00
11/22/1965	0.00	1	0.00	0.00	0.00
11/23/1965	0.04	1	0.04	0.04	0.04
11/24/1965	0.00	1	0.00	0.00	0.00
11/25/1965	0.00	1	0.00	0.00	0.00
11/26/1965	0.00	1	0.00	0.00	0.00
11/27/1965	0.00	1	0.00	0.00	0.00
11/28/1965	0.00	1	0.00	0.00	0.00
11/29/1965	0.00	1	0.00	0.00	0.00
11/30/1965	0.00	1	0.00	0.00	0.00
12/1/1965	0.13	1	0.13	0.13	0.13
12/2/1965	0.00	1	0.00	0.00	0.00
12/3/1965	0.00	1	0.00	0.00	0.00
12/4/1965	0.00	1	0.00	0.00	0.00
12/5/1965	0.00	1	0.00	0.00	0.00
12/6/1965	0.34	1	0.33	0.35	0.34
12/7/1965	0.00	1	0.00	0.00	0.00
12/8/1965	0.00	1	0.00	0.00	0.00

12/9/1965	0.00	1	0.00	0.00	0.00
12/10/1965	0.31	1	0.30	0.32	0.31
12/11/1965	0.00	1	0.00	0.00	0.00
12/12/1965	0.00	1	0.00	0.00	0.00
12/13/1965	0.21	1	0.21	0.21	0.21
12/14/1965	0.07	1	0.07	0.07	0.07
12/15/1965	0.00	1	0.00	0.00	0.00
12/16/1965	0.02	1	0.02	0.02	0.02
12/17/1965	0.00	1	0.00	0.00	0.00
12/18/1965	0.00	1	0.00	0.00	0.00
12/19/1965	0.00	1	0.00	0.00	0.00
12/20/1965	0.00	1	0.00	0.00	0.00
12/21/1965	0.00	1	0.00	0.00	0.00
12/22/1965	0.00	1	0.00	0.00	0.00
12/23/1965	0.11	1	0.11	0.11	0.11
12/24/1965	0.53	1	0.52	0.54	0.53
12/25/1965	0.29	1	0.28	0.30	0.29
12/26/1965	0.00	1	0.00	0.00	0.00
12/27/1965	0.00	1	0.00	0.00	0.00
12/28/1965	0.00	1	0.00	0.00	0.00
12/29/1965	0.00	1	0.00	0.00	0.00
12/30/1965	0.01	1	0.01	0.01	0.01
12/31/1965	0.03	1	0.03	0.03	0.03

Precipitation Values for Recent Period (2015-2017)

Date	Precipitation (inches)	Gage Number	Melzingah Precipitation (inches)	Mt Beacon Precipitation (inches)	Cargill Precipitation (inches)
1/1/2015	0.00	1	0.00	0.00	0.00
1/2/2015	0.00	1	0.00	0.00	0.00
1/3/2015	0.00	1	0.00	0.00	0.00
1/4/2015	0.73	1	0.70	0.75	0.73
1/5/2015	0.00	1	0.00	0.00	0.00
1/6/2015	0.00	1	0.00	0.00	0.00
1/7/2015	0.01	1	0.01	0.01	0.01
1/8/2015	0.00	1	0.00	0.00	0.00
1/9/2015	0.01	1	0.01	0.01	0.01
1/10/2015	0.04	1	0.04	0.04	0.04
1/11/2015	0.00	1	0.00	0.00	0.00
1/12/2015	0.00	1	0.00	0.00	0.00
1/13/2015	0.64	1	0.61	0.66	0.64
1/14/2015	0.00	1	0.00	0.00	0.00
1/15/2015	0.00	1	0.00	0.00	0.00
1/16/2015	0.00	1	0.00	0.00	0.00
1/17/2015	0.00	1	0.00	0.00	0.00
1/18/2015	0.00	1	0.00	0.00	0.00
1/19/2015	1.34	1	1.28	1.38	1.35
1/20/2015	0.00	1	0.00	0.00	0.00
1/21/2015	0.00	1	0.00	0.00	0.00
1/22/2015	0.01	1	0.01	0.01	0.01
1/23/2015	0.00	1	0.00	0.00	0.00
1/24/2015	0.53	1	0.50	0.54	0.53
1/25/2015	0.06	1	0.06	0.06	0.06
1/26/2015	0.00	1	0.00	0.00	0.00
1/27/2015	0.25	1	0.24	0.26	0.25
1/28/2015	0.04	1	0.04	0.04	0.04
1/29/2015	0.00	1	0.00	0.00	0.00
1/30/2015	0.18	1	0.17	0.18	0.18
1/31/2015	0.05	1	0.05	0.05	0.05
2/1/2015	0.00	1	0.00	0.00	0.00
2/2/2015	0.70	1	0.67	0.72	0.61
2/3/2015	0.07	1	0.07	0.07	0.06
2/4/2015	0.00	1	0.00	0.00	0.00
2/5/2015	0.01	1	0.01	0.01	0.01
2/6/2015	0.11	1	0.11	0.11	0.10
2/7/2015	0.00	1	0.00	0.00	0.00
2/8/2015	0.00	1	0.00	0.00	0.00
2/9/2015	0.44	1	0.42	0.45	0.39
2/10/2015	0.44	1	0.42	0.45	0.39
2/11/2015	0.00	1	0.00	0.00	0.00
2/12/2015	0.00	1	0.00	0.00	0.00
2/13/2015	0.02	1	0.02	0.02	0.02
2/14/2015	0.00	1	0.00	0.00	0.00

2/15/2015	0.11	1	0.11	0.11	0.10
2/16/2015	0.00	1	0.00	0.00	0.00
2/17/2015	0.00	1	0.00	0.00	0.00
2/18/2015	0.00	1	0.00	0.00	0.00
2/19/2015	0.00	1	0.00	0.00	0.00
2/20/2015	0.00	1	0.00	0.00	0.00
2/21/2015	0.00	1	0.00	0.00	0.00
2/22/2015	0.34	1	0.33	0.35	0.30
2/23/2015	0.00	1	0.00	0.00	0.00
2/24/2015	0.00	1	0.00	0.00	0.00
2/25/2015	0.00	1	0.00	0.00	0.00
2/26/2015	0.00	1	0.00	0.00	0.00
2/27/2015	0.04	1	0.04	0.04	0.04
2/28/2015	0.00	1	0.00	0.00	0.00
3/1/2015	0.00	1	0.00	0.00	0.00
3/2/2015	0.52	1	0.45	0.54	0.53
3/3/2015	0.00	1	0.00	0.00	0.00
3/4/2015	0.72	1	0.63	0.74	0.73
3/5/2015	0.06	1	0.05	0.06	0.06
3/6/2015	0.04	1	0.03	0.04	0.04
3/7/2015	0.00	1	0.00	0.00	0.00
3/8/2015	0.00	1	0.00	0.00	0.00
3/9/2015	0.00	1	0.00	0.00	0.00
3/10/2015	0.00	1	0.00	0.00	0.00
3/11/2015	0.18	1	0.16	0.19	0.18
3/12/2015	0.00	1	0.00	0.00	0.00
3/13/2015	0.00	1	0.00	0.00	0.00
3/14/2015	0.16	1	0.14	0.16	0.16
3/15/2015	0.34	1	0.30	0.35	0.35
3/16/2015	0.00	1	0.00	0.00	0.00
3/17/2015	0.03	1	0.03	0.03	0.03
3/18/2015	0.03	1	0.03	0.03	0.03
3/19/2015	0.00	1	0.00	0.00	0.00
3/20/2015	0.00	1	0.00	0.00	0.00
3/21/2015	0.22	1	0.19	0.23	0.22
3/22/2015	0.00	1	0.00	0.00	0.00
3/23/2015	0.00	1	0.00	0.00	0.00
3/24/2015	0.00	1	0.00	0.00	0.00
3/25/2015	0.00	1	0.00	0.00	0.00
3/26/2015	0.09	1	0.08	0.09	0.09
3/27/2015	0.32	1	0.28	0.33	0.32
3/28/2015	0.02	1	0.02	0.02	0.02
3/29/2015	0.06	1	0.05	0.06	0.06
3/30/2015	0.01	1	0.01	0.01	0.01
3/31/2015	0.01	1	0.01	0.01	0.01
4/1/2015	0.15	1	0.14	0.15	0.15
4/2/2015	0.00	1	0.00	0.00	0.00
4/3/2015	0.01	1	0.01	0.01	0.01
4/4/2015	0.57	1	0.55	0.57	0.57

4/5/2015	0.00	1	0.00	0.00	0.00
4/6/2015	0.00	1	0.00	0.00	0.00
4/7/2015	0.00	1	0.00	0.00	0.00
4/8/2015	0.16	1	0.15	0.16	0.16
4/9/2015	0.19	1	0.18	0.19	0.19
4/10/2015	0.20	1	0.19	0.20	0.20
4/11/2015	0.01	1	0.01	0.01	0.01
4/12/2015	0.00	1	0.00	0.00	0.00
4/13/2015	0.00	1	0.00	0.00	0.00
4/14/2015	0.09	2	0.09	0.09	0.09
4/15/2015	0.09	1	0.09	0.09	0.09
4/16/2015	0.00	1	0.00	0.00	0.00
4/17/2015	0.13	1	0.13	0.13	0.13
4/18/2015	0.03	1	0.03	0.03	0.03
4/19/2015	0.00	2	0.00	0.00	0.00
4/20/2015	0.06	1	0.06	0.06	0.06
4/21/2015	0.79	1	0.76	0.79	0.79
4/22/2015	0.01	1	0.01	0.01	0.01
4/23/2015	0.12	1	0.12	0.12	0.12
4/24/2015	0.00	1	0.00	0.00	0.00
4/25/2015	0.00	1	0.00	0.00	0.00
4/26/2015	0.00	1	0.00	0.00	0.00
4/27/2015	0.00	1	0.00	0.00	0.00
4/28/2015	0.00	1	0.00	0.00	0.00
4/29/2015	0.00	1	0.00	0.00	0.00
4/30/2015	0.00	1	0.00	0.00	0.00
5/1/2015	0.00	1	0.00	0.00	0.00
5/2/2015	0.00	1	0.00	0.00	0.00
5/3/2015	0.00	1	0.00	0.00	0.00
5/4/2015	0.00	1	0.00	0.00	0.00
5/5/2015	0.00	1	0.00	0.00	0.00
5/6/2015	0.00	1	0.00	0.00	0.00
5/7/2015	0.01	1	0.01	0.01	0.01
5/8/2015	0.00	1	0.00	0.00	0.00
5/9/2015	0.00	1	0.00	0.00	0.00
5/10/2015	0.00	1	0.00	0.00	0.00
5/11/2015	0.00	1	0.00	0.00	0.00
5/12/2015	0.00	1	0.00	0.00	0.00
5/13/2015	0.00	1	0.00	0.00	0.00
5/14/2015	0.00	1	0.00	0.00	0.00
5/15/2015	0.00	1	0.00	0.00	0.00
5/16/2015	0.34	1	0.33	0.34	0.34
5/17/2015	0.73	1	0.70	0.72	0.74
5/18/2015	0.00	1	0.00	0.00	0.00
5/19/2015	0.15	1	0.14	0.15	0.15
5/20/2015	0.42	1	0.40	0.42	0.43
5/21/2015	0.00	1	0.00	0.00	0.00
5/22/2015	0.00	1	0.00	0.00	0.00
5/23/2015	0.00	1	0.00	0.00	0.00

5/24/2015	0.00	1	0.00	0.00	0.00
5/25/2015	0.00	2	0.00	0.00	0.00
5/26/2015	0.00	1	0.00	0.00	0.00
5/27/2015	0.00	1	0.00	0.00	0.00
5/28/2015	0.68	1	0.66	0.67	0.69
5/29/2015	0.06	1	0.06	0.06	0.06
5/30/2015	0.00	1	0.00	0.00	0.00
5/31/2015	0.08	1	0.08	0.08	0.08
6/1/2015	0.93	1	0.90	0.96	0.94
6/2/2015	0.72	1	0.70	0.74	0.73
6/3/2015	0.19	1	0.18	0.20	0.19
6/4/2015	0.00	1	0.00	0.00	0.00
6/5/2015	0.00	1	0.00	0.00	0.00
6/6/2015	0.03	1	0.03	0.03	0.03
6/7/2015	0.00	1	0.00	0.00	0.00
6/8/2015	0.00	1	0.00	0.00	0.00
6/9/2015	0.26	1	0.25	0.27	0.26
6/10/2015	0.05	1	0.05	0.05	0.05
6/11/2015	0.00	1	0.00	0.00	0.00
6/12/2015	0.01	1	0.01	0.01	0.01
6/13/2015	0.03	1	0.03	0.03	0.03
6/14/2015	0.00	1	0.00	0.00	0.00
6/15/2015	0.19	1	0.18	0.20	0.19
6/16/2015	0.04	1	0.04	0.04	0.04
6/17/2015	0.05	1	0.05	0.05	0.05
6/18/2015	0.00	1	0.00	0.00	0.00
6/19/2015	0.03	3	0.03	0.03	0.03
6/20/2015	0.12	1	0.12	0.12	0.12
6/21/2015	0.67	1	0.65	0.69	0.68
6/22/2015	0.56	1	0.54	0.58	0.56
6/23/2015	0.07	3	0.07	0.07	0.07
6/24/2015	0.09	1	0.09	0.09	0.09
6/25/2015	0.00	1	0.00	0.00	0.00
6/26/2015	0.00	1	0.00	0.00	0.00
6/27/2015	0.00	1	0.00	0.00	0.00
6/28/2015	0.86	1	0.84	0.88	0.87
6/29/2015	0.11	1	0.11	0.11	0.11
6/30/2015	0.00	1	0.00	0.00	0.00
7/1/2015	0.81	1	0.79	0.81	0.81
7/2/2015	0.01	1	0.01	0.01	0.01
7/3/2015	0.00	1	0.00	0.00	0.00
7/4/2015	0.00	1	0.00	0.00	0.00
7/5/2015	0.08	1	0.08	0.08	0.08
7/6/2015	0.00	3	0.00	0.00	0.00
7/7/2015	0.00	1	0.00	0.00	0.00
7/8/2015	0.34	1	0.33	0.34	0.34
7/9/2015	0.00	1	0.00	0.00	0.00
7/10/2015	0.12	1	0.12	0.12	0.12
7/11/2015	0.00	1	0.00	0.00	0.00

7/12/2015	0.00	1	0.00	0.00	0.00
7/13/2015	0.00	3	0.00	0.00	0.00
7/14/2015	0.00	1	0.00	0.00	0.00
7/15/2015	0.00	1	0.00	0.00	0.00
7/16/2015	0.00	1	0.00	0.00	0.00
7/17/2015	0.00	1	0.00	0.00	0.00
7/18/2015	0.00	1	0.00	0.00	0.00
7/19/2015	0.05	1	0.05	0.05	0.05
7/20/2015	0.00	1	0.00	0.00	0.00
7/21/2015	0.00	1	0.00	0.00	0.00
7/22/2015	0.23	1	0.22	0.23	0.23
7/23/2015	0.00	1	0.00	0.00	0.00
7/24/2015	0.00	1	0.00	0.00	0.00
7/25/2015	0.00	1	0.00	0.00	0.00
7/26/2015	0.30	1	0.29	0.30	0.30
7/27/2015	0.69	1	0.67	0.69	0.69
7/28/2015	0.00	1	0.00	0.00	0.00
7/29/2015	0.00	1	0.00	0.00	0.00
7/30/2015	0.00	1	0.00	0.00	0.00
7/31/2015	0.20	1	0.19	0.20	0.20
8/1/2015	0.00	1	0.00	0.00	0.00
8/2/2015	0.00	1	0.00	0.00	0.00
8/3/2015	0.00	1	0.00	0.00	0.00
8/4/2015	0.05	1	0.05	0.05	0.05
8/5/2015	0.00	1	0.00	0.00	0.00
8/6/2015	0.00	1	0.00	0.00	0.00
8/7/2015	0.00	1	0.00	0.00	0.00
8/8/2015	0.00	1	0.00	0.00	0.00
8/9/2015	0.00	1	0.00	0.00	0.00
8/10/2015	0.00	1	0.00	0.00	0.00
8/11/2015	0.22	1	0.21	0.22	0.22
8/12/2015	0.79	1	0.74	0.79	0.80
8/13/2015	0.00	1	0.00	0.00	0.00
8/14/2015	0.00	1	0.00	0.00	0.00
8/15/2015	0.00	1	0.00	0.00	0.00
8/16/2015	0.00	1	0.00	0.00	0.00
8/17/2015	0.00	1	0.00	0.00	0.00
8/18/2015	0.00	1	0.00	0.00	0.00
8/19/2015	0.00	1	0.00	0.00	0.00
8/20/2015	0.00	1	0.00	0.00	0.00
8/21/2015	1.93	1	1.80	1.94	1.95
8/22/2015	0.02	1	0.02	0.02	0.02
8/23/2015	0.00	1	0.00	0.00	0.00
8/24/2015	0.00	1	0.00	0.00	0.00
8/25/2015	0.04	1	0.04	0.04	0.04
8/26/2015	0.00	1	0.00	0.00	0.00
8/27/2015	0.00	1	0.00	0.00	0.00
8/28/2015	0.00	1	0.00	0.00	0.00
8/29/2015	0.00	1	0.00	0.00	0.00

8/30/2015	0.00	1	0.00	0.00	0.00
8/31/2015	0.00	1	0.00	0.00	0.00
9/1/2015	0.00	1	0.00	0.00	0.00
9/2/2015	0.00	1	0.00	0.00	0.00
9/3/2015	0.00	1	0.00	0.00	0.00
9/4/2015	0.00	1	0.00	0.00	0.00
9/5/2015	0.00	1	0.00	0.00	0.00
9/6/2015	0.00	1	0.00	0.00	0.00
9/7/2015	0.00	1	0.00	0.00	0.00
9/8/2015	0.00	1	0.00	0.00	0.00
9/9/2015	0.00	1	0.00	0.00	0.00
9/10/2015	0.04	1	0.04	0.04	0.04
9/11/2015	0.76	1	0.73	0.78	0.76
9/12/2015	0.01	1	0.01	0.01	0.01
9/13/2015	0.97	1	0.94	0.99	0.97
9/14/2015	0.00	1	0.00	0.00	0.00
9/15/2015	0.00	1	0.00	0.00	0.00
9/16/2015	0.00	1	0.00	0.00	0.00
9/17/2015	0.00	1	0.00	0.00	0.00
9/18/2015	0.00	1	0.00	0.00	0.00
9/19/2015	0.00	1	0.00	0.00	0.00
9/20/2015	0.01	1	0.01	0.01	0.01
9/21/2015	0.00	1	0.00	0.00	0.00
9/22/2015	0.00	1	0.00	0.00	0.00
9/23/2015	0.00	1	0.00	0.00	0.00
9/24/2015	0.00	1	0.00	0.00	0.00
9/25/2015	0.00	1	0.00	0.00	0.00
9/26/2015	0.00	1	0.00	0.00	0.00
9/27/2015	0.00	1	0.00	0.00	0.00
9/28/2015	0.00	1	0.00	0.00	0.00
9/29/2015	0.00	1	0.00	0.00	0.00
9/30/2015	1.46	1	1.41	1.49	1.47
10/1/2015	0.24	1	0.23	0.24	0.24
10/2/2015	0.03	1	0.03	0.03	0.03
10/3/2015	0.35	1	0.33	0.35	0.35
10/4/2015	0.12	1	0.11	0.12	0.12
10/5/2015	0.00	1	0.00	0.00	0.00
10/6/2015	0.00	1	0.00	0.00	0.00
10/7/2015	0.00	1	0.00	0.00	0.00
10/8/2015	0.00	2	0.00	0.00	0.00
10/9/2015	0.31	2	0.32	0.33	0.33
10/10/2015	0.00	2	0.00	0.00	0.00
10/11/2015	0.00	2	0.00	0.00	0.00
10/12/2015	0.00	2	0.00	0.00	0.00
10/13/2015	0.01	2	0.01	0.01	0.01
10/14/2015	0.00	2	0.00	0.00	0.00
10/15/2015	0.00	1	0.00	0.00	0.00
10/16/2015	0.03	1	0.03	0.03	0.03
10/17/2015	0.00	1	0.00	0.00	0.00

10/18/2015	0.00	1	0.00	0.00	0.00
10/19/2015	0.00	2	0.00	0.00	0.00
10/20/2015	0.00	3	0.00	0.00	0.00
10/21/2015	0.00	3	0.00	0.00	0.00
10/22/2015	0.00	3	0.00	0.00	0.00
10/23/2015	0.00	3	0.00	0.00	0.00
10/24/2015	0.00	1	0.00	0.00	0.00
10/25/2015	0.24	1	0.23	0.24	0.24
10/26/2015	0.00	1	0.00	0.00	0.00
10/27/2015	0.00	1	0.00	0.00	0.00
10/28/2015	0.00	1	0.00	0.00	0.00
10/29/2015	2.04	1	1.95	2.04	2.05
10/30/2015	0.00	1	0.00	0.00	0.00
10/31/2015	0.00	1	0.00	0.00	0.00
11/1/2015	0.00	1	0.00	0.00	0.00
11/2/2015	0.00	1	0.00	0.00	0.00
11/3/2015	0.00	1	0.00	0.00	0.00
11/4/2015	0.00	1	0.00	0.00	0.00
11/5/2015	0.00	1	0.00	0.00	0.00
11/6/2015	0.00	1	0.00	0.00	0.00
11/7/2015	0.00	1	0.00	0.00	0.00
11/8/2015	0.00	1	0.00	0.00	0.00
11/9/2015	0.00	1	0.00	0.00	0.00
11/10/2015	0.00	1	0.00	0.00	0.00
11/11/2015	0.46	1	0.45	0.47	0.46
11/12/2015	0.22	1	0.21	0.22	0.22
11/13/2015	0.19	1	0.18	0.19	0.19
11/14/2015	0.00	1	0.00	0.00	0.00
11/15/2015	0.00	1	0.00	0.00	0.00
11/16/2015	0.00	1	0.00	0.00	0.00
11/17/2015	0.00	1	0.00	0.00	0.00
11/18/2015	0.00	1	0.00	0.00	0.00
11/19/2015	0.00	1	0.00	0.00	0.00
11/20/2015	0.79	1	0.77	0.81	0.79
11/21/2015	0.00	1	0.00	0.00	0.00
11/22/2015	0.05	1	0.05	0.05	0.05
11/23/2015	0.00	1	0.00	0.00	0.00
11/24/2015	0.00	1	0.00	0.00	0.00
11/25/2015	0.00	1	0.00	0.00	0.00
11/26/2015	0.00	1	0.00	0.00	0.00
11/27/2015	0.00	1	0.00	0.00	0.00
11/28/2015	0.00	1	0.00	0.00	0.00
11/29/2015	0.03	1	0.03	0.03	0.03
11/30/2015	0.00	1	0.00	0.00	0.00
12/1/2015	0.00	1	0.00	0.00	0.00
12/2/2015	0.35	1	0.34	0.36	0.35
12/3/2015	0.57	1	0.56	0.58	0.57
12/4/2015	0.01	1	0.01	0.01	0.01
12/5/2015	0.00	1	0.00	0.00	0.00

12/6/2015	0.00	1	0.00	0.00	0.00
12/7/2015	0.00	1	0.00	0.00	0.00
12/8/2015	0.00	1	0.00	0.00	0.00
12/9/2015	0.00	1	0.00	0.00	0.00
12/10/2015	0.00	1	0.00	0.00	0.00
12/11/2015	0.00	1	0.00	0.00	0.00
12/12/2015	0.00	1	0.00	0.00	0.00
12/13/2015	0.00	1	0.00	0.00	0.00
12/14/2015	0.00	1	0.00	0.00	0.00
12/15/2015	0.29	1	0.28	0.30	0.29
12/16/2015	0.01	2	0.01	0.01	0.01
12/17/2015	0.06	1	0.06	0.06	0.06
12/18/2015	0.59	1	0.58	0.60	0.59
12/19/2015	0.02	1	0.02	0.02	0.02
12/20/2015	0.00	1	0.00	0.00	0.00
12/21/2015	0.00	1	0.00	0.00	0.00
12/22/2015	0.04	1	0.04	0.04	0.04
12/23/2015	0.17	1	0.17	0.17	0.17
12/24/2015	0.85	1	0.83	0.87	0.85
12/25/2015	0.01	1	0.01	0.01	0.01
12/26/2015	0.00	1	0.00	0.00	0.00
12/27/2015	0.17	1	0.17	0.17	0.17
12/28/2015	0.06	1	0.06	0.06	0.06
12/29/2015	0.58	1	0.57	0.59	0.58
12/30/2015	0.17	1	0.17	0.17	0.17
12/31/2015	0.29	1	0.28	0.30	0.29
1/1/2016	0.00	1	0.00	0.00	0.00
1/2/2016	0.00	1	0.00	0.00	0.00
1/3/2016	0.00	2	0.00	0.00	0.00
1/4/2016	0.01	1	0.01	0.01	0.01
1/5/2016	0.00	1	0.00	0.00	0.00
1/6/2016	0.00	1	0.00	0.00	0.00
1/7/2016	0.00	1	0.00	0.00	0.00
1/8/2016	0.00	1	0.00	0.00	0.00
1/9/2016	0.00	1	0.00	0.00	0.00
1/10/2016	0.39	1	0.37	0.40	0.39
1/11/2016	0.94	1	0.90	0.96	0.95
1/12/2016	0.00	1	0.00	0.00	0.00
1/13/2016	0.03	1	0.03	0.03	0.03
1/14/2016	0.01	1	0.01	0.01	0.01
1/15/2016	0.00	1	0.00	0.00	0.00
1/16/2016	0.22	1	0.21	0.23	0.22
1/17/2016	0.15	1	0.14	0.15	0.15
1/18/2016	0.01	1	0.01	0.01	0.01
1/19/2016	0.00	1	0.00	0.00	0.00
1/20/2016	0.00	1	0.00	0.00	0.00
1/21/2016	0.00	1	0.00	0.00	0.00
1/22/2016	0.00	1	0.00	0.00	0.00
1/23/2016	0.00	1	0.00	0.00	0.00

1/24/2016	0.25	1	0.24	0.26	0.25
1/25/2016	0.00	1	0.00	0.00	0.00
1/26/2016	0.00	1	0.00	0.00	0.00
1/27/2016	0.00	1	0.00	0.00	0.00
1/28/2016	0.00	1	0.00	0.00	0.00
1/29/2016	0.00	1	0.00	0.00	0.00
1/30/2016	0.02	1	0.02	0.02	0.02
1/31/2016	0.00	1	0.00	0.00	0.00
2/1/2016	0.00	1	0.00	0.00	0.00
2/2/2016	0.00	1	0.00	0.00	0.00
2/3/2016	0.00	1	0.00	0.00	0.00
2/4/2016	0.36	1	0.35	0.37	0.32
2/5/2016	0.01	1	0.01	0.01	0.01
2/6/2016	0.03	1	0.03	0.03	0.03
2/7/2016	0.00	1	0.00	0.00	0.00
2/8/2016	0.00	2	0.00	0.00	0.00
2/9/2016	0.09	1	0.09	0.09	0.08
2/10/2016	0.02	1	0.02	0.02	0.02
2/11/2016	0.00	1	0.00	0.00	0.00
2/12/2016	0.00	1	0.00	0.00	0.00
2/13/2016	0.00	1	0.00	0.00	0.00
2/14/2016	0.00	1	0.00	0.00	0.00
2/15/2016	0.00	1	0.00	0.00	0.00
2/16/2016	0.49	1	0.47	0.50	0.43
2/17/2016	1.28	1	1.23	1.31	1.12
2/18/2016	0.00	1	0.00	0.00	0.00
2/19/2016	0.00	1	0.00	0.00	0.00
2/20/2016	0.00	1	0.00	0.00	0.00
2/21/2016	0.00	1	0.00	0.00	0.00
2/22/2016	0.00	1	0.00	0.00	0.00
2/23/2016	0.00	1	0.00	0.00	0.00
2/24/2016	0.23	1	0.22	0.24	0.20
2/25/2016	2.37	1	2.28	2.43	2.08
2/26/2016	0.06	1	0.06	0.06	0.05
2/27/2016	0.00	1	0.00	0.00	0.00
2/28/2016	0.00	1	0.00	0.00	0.00
2/29/2016	0.00	1	0.00	0.00	0.00
3/1/2016	0.05	1	0.04	0.05	0.05
3/2/2016	0.11	1	0.10	0.11	0.11
3/3/2016	0.00	1	0.00	0.00	0.00
3/4/2016	0.01	1	0.01	0.01	0.01
3/5/2016	0.01	1	0.01	0.01	0.01
3/6/2016	0.00	1	0.00	0.00	0.00
3/7/2016	0.00	1	0.00	0.00	0.00
3/8/2016	0.00	1	0.00	0.00	0.00
3/9/2016	0.00	1	0.00	0.00	0.00
3/10/2016	0.08	2	0.08	0.10	0.09
3/11/2016	0.20	1	0.17	0.21	0.20
3/12/2016	0.00	1	0.00	0.00	0.00

3/13/2016	0.00	1	0.00	0.00	0.00
3/14/2016	0.02	1	0.02	0.02	0.02
3/15/2016	0.05	1	0.04	0.05	0.05
3/16/2016	0.00	1	0.00	0.00	0.00
3/17/2016	0.21	1	0.18	0.22	0.21
3/18/2016	0.02	1	0.02	0.02	0.02
3/19/2016	0.00	1	0.00	0.00	0.00
3/20/2016	0.00	1	0.00	0.00	0.00
3/21/2016	0.01	1	0.01	0.01	0.01
3/22/2016	0.00	2	0.00	0.00	0.00
3/23/2016	0.00	1	0.00	0.00	0.00
3/24/2016	0.00	1	0.00	0.00	0.00
3/25/2016	0.00	1	0.00	0.00	0.00
3/26/2016	0.01	1	0.01	0.01	0.01
3/27/2016	0.00	1	0.00	0.00	0.00
3/28/2016	0.01	1	0.01	0.01	0.01
3/29/2016	0.34	1	0.30	0.35	0.35
3/30/2016	0.00	1	0.00	0.00	0.00
3/31/2016	0.00	1	0.00	0.00	0.00
4/1/2016	0.00	1	0.00	0.00	0.00
4/2/2016	0.01	1	0.01	0.01	0.01
4/3/2016	0.35	1	0.34	0.35	0.35
4/4/2016	0.02	1	0.02	0.02	0.02
4/5/2016	0.23	1	0.22	0.23	0.23
4/6/2016	0.00	1	0.00	0.00	0.00
4/7/2016	0.00	1	0.00	0.00	0.00
4/8/2016	0.39	1	0.38	0.39	0.39
4/9/2016	0.00	1	0.00	0.00	0.00
4/10/2016	0.00	1	0.00	0.00	0.00
4/11/2016	0.00	1	0.00	0.00	0.00
4/12/2016	0.03	1	0.03	0.03	0.03
4/13/2016	0.25	1	0.24	0.25	0.25
4/14/2016	0.00	1	0.00	0.00	0.00
4/15/2016	0.00	1	0.00	0.00	0.00
4/16/2016	0.00	1	0.00	0.00	0.00
4/17/2016	0.00	1	0.00	0.00	0.00
4/18/2016	0.00	1	0.00	0.00	0.00
4/19/2016	0.00	2	0.00	0.00	0.00
4/20/2016	0.00	1	0.00	0.00	0.00
4/21/2016	0.00	2	0.00	0.00	0.00
4/22/2016	0.00	1	0.00	0.00	0.00
4/23/2016	0.04	1	0.04	0.04	0.04
4/24/2016	0.00	1	0.00	0.00	0.00
4/25/2016	0.00	1	0.00	0.00	0.00
4/26/2016	0.05	1	0.05	0.05	0.05
4/27/2016	0.28	1	0.27	0.28	0.28
4/28/2016	0.00	1	0.00	0.00	0.00
4/29/2016	0.02	1	0.02	0.02	0.02
4/30/2016	0.27	1	0.26	0.27	0.27

5/1/2016	0.00	1	0.00	0.00	0.00
5/2/2016	0.17	1	0.16	0.17	0.17
5/3/2016	0.66	1	0.64	0.65	0.67
5/4/2016	0.37	1	0.36	0.37	0.37
5/5/2016	0.17	1	0.16	0.17	0.17
5/6/2016	0.18	1	0.17	0.18	0.18
5/7/2016	0.39	1	0.38	0.39	0.39
5/8/2016	0.14	1	0.13	0.14	0.14
5/9/2016	0.05	1	0.05	0.05	0.05
5/10/2016	0.00	1	0.00	0.00	0.00
5/11/2016	0.00	1	0.00	0.00	0.00
5/12/2016	0.00	1	0.00	0.00	0.00
5/13/2016	0.00	1	0.00	0.00	0.00
5/14/2016	0.29	1	0.28	0.29	0.29
5/15/2016	0.48	1	0.46	0.48	0.49
5/16/2016	0.00	1	0.00	0.00	0.00
5/17/2016	0.00	1	0.00	0.00	0.00
5/18/2016	0.00	1	0.00	0.00	0.00
5/19/2016	0.00	1	0.00	0.00	0.00
5/20/2016	0.00	1	0.00	0.00	0.00
5/21/2016	0.00	1	0.00	0.00	0.00
5/22/2016	0.09	1	0.09	0.09	0.09
5/23/2016	0.00	1	0.00	0.00	0.00
5/24/2016	0.18	1	0.17	0.18	0.18
5/25/2016	0.08	1	0.08	0.08	0.08
5/26/2016	0.00	1	0.00	0.00	0.00
5/27/2016	0.00	1	0.00	0.00	0.00
5/28/2016	0.62	1	0.60	0.61	0.63
5/29/2016	0.00	1	0.00	0.00	0.00
5/30/2016	0.22	1	0.21	0.22	0.22
5/31/2016	0.08	1	0.08	0.08	0.08
6/1/2016	0.00	1	0.00	0.00	0.00
6/2/2016	0.00	1	0.00	0.00	0.00
6/3/2016	0.37	1	0.36	0.38	0.37
6/4/2016	0.08	1	0.08	0.08	0.08
6/5/2016	0.22	1	0.21	0.23	0.22
6/6/2016	0.71	1	0.69	0.73	0.72
6/7/2016	0.00	1	0.00	0.00	0.00
6/8/2016	0.49	1	0.48	0.50	0.49
6/9/2016	0.09	1	0.09	0.09	0.09
6/10/2016	0.00	1	0.00	0.00	0.00
6/11/2016	0.00	1	0.00	0.00	0.00
6/12/2016	0.04	1	0.04	0.04	0.04
6/13/2016	0.00	1	0.00	0.00	0.00
6/14/2016	0.00	1	0.00	0.00	0.00
6/15/2016	0.00	1	0.00	0.00	0.00
6/16/2016	0.00	1	0.00	0.00	0.00
6/17/2016	0.00	1	0.00	0.00	0.00
6/18/2016	0.00	1	0.00	0.00	0.00

6/19/2016	0.00	1	0.00	0.00	0.00
6/20/2016	0.00	1	0.00	0.00	0.00
6/21/2016	0.00	1	0.00	0.00	0.00
6/22/2016	0.02	1	0.02	0.02	0.02
6/23/2016	0.00	1	0.00	0.00	0.00
6/24/2016	0.00	1	0.00	0.00	0.00
6/25/2016	0.00	1	0.00	0.00	0.00
6/26/2016	0.00	1	0.00	0.00	0.00
6/27/2016	0.00	1	0.00	0.00	0.00
6/28/2016	0.47	1	0.46	0.48	0.47
6/29/2016	1.56	1	1.52	1.60	1.57
6/30/2016	0.00	1	0.00	0.00	0.00
7/1/2016	0.00	1	0.00	0.00	0.00
7/2/2016	1.39	1	1.35	1.39	1.40
7/3/2016	0.00	1	0.00	0.00	0.00
7/4/2016	0.00	1	0.00	0.00	0.00
7/5/2016	0.21	1	0.20	0.21	0.21
7/6/2016	0.00	1	0.00	0.00	0.00
7/7/2016	0.81	2	0.83	0.85	0.86
7/8/2016	1.18	1	1.14	1.18	1.19
7/9/2016	0.00	1	0.00	0.00	0.00
7/10/2016	0.16	1	0.16	0.16	0.16
7/11/2016	0.00	1	0.00	0.00	0.00
7/12/2016	0.00	1	0.00	0.00	0.00
7/13/2016	0.00	1	0.00	0.00	0.00
7/14/2016	0.00	1	0.00	0.00	0.00
7/15/2016	0.00	1	0.00	0.00	0.00
7/16/2016	0.00	1	0.00	0.00	0.00
7/17/2016	0.00	1	0.00	0.00	0.00
7/18/2016	0.00	1	0.00	0.00	0.00
7/19/2016	0.26	1	0.25	0.26	0.26
7/20/2016	0.00	1	0.00	0.00	0.00
7/21/2016	0.00	1	0.00	0.00	0.00
7/22/2016	0.00	1	0.00	0.00	0.00
7/23/2016	0.00	1	0.00	0.00	0.00
7/24/2016	0.00	2	0.00	0.00	0.00
7/25/2016	0.00	1	0.00	0.00	0.00
7/26/2016	0.75	1	0.73	0.75	0.75
7/27/2016	0.00	1	0.00	0.00	0.00
7/28/2016	0.00	1	0.00	0.00	0.00
7/29/2016	0.47	1	0.46	0.47	0.47
7/30/2016	0.07	1	0.07	0.07	0.07
7/31/2016	6.04	1	5.86	6.05	6.08
8/1/2016	2.43	1	2.27	2.44	2.45
8/2/2016	0.23	1	0.22	0.23	0.23
8/3/2016	0.00	1	0.00	0.00	0.00
8/4/2016	0.00	1	0.00	0.00	0.00
8/5/2016	0.00	1	0.00	0.00	0.00
8/6/2016	0.02	1	0.02	0.02	0.02

8/7/2016	0.09	1	0.08	0.09	0.09
8/8/2016	0.00	1	0.00	0.00	0.00
8/9/2016	0.00	1	0.00	0.00	0.00
8/10/2016	0.00	1	0.00	0.00	0.00
8/11/2016	0.23	1	0.22	0.23	0.23
8/12/2016	0.45	1	0.42	0.45	0.45
8/13/2016	0.00	1	0.00	0.00	0.00
8/14/2016	0.16	1	0.15	0.16	0.16
8/15/2016	0.18	1	0.17	0.18	0.18
8/16/2016	0.00	1	0.00	0.00	0.00
8/17/2016	0.09	1	0.08	0.09	0.09
8/18/2016	0.05	1	0.05	0.05	0.05
8/19/2016	0.00	1	0.00	0.00	0.00
8/20/2016	0.00	1	0.00	0.00	0.00
8/21/2016	0.00	1	0.00	0.00	0.00
8/22/2016	0.69	1	0.65	0.69	0.70
8/23/2016	0.00	1	0.00	0.00	0.00
8/24/2016	0.00	1	0.00	0.00	0.00
8/25/2016	0.00	1	0.00	0.00	0.00
8/26/2016	0.02	1	0.02	0.02	0.02
8/27/2016	0.00	1	0.00	0.00	0.00
8/28/2016	0.00	1	0.00	0.00	0.00
8/29/2016	0.00	1	0.00	0.00	0.00
8/30/2016	0.00	1	0.00	0.00	0.00
8/31/2016	0.00	1	0.00	0.00	0.00
9/1/2016	0.08	1	0.08	0.08	0.08
9/2/2016	0.03	1	0.03	0.03	0.03
9/3/2016	0.00	1	0.00	0.00	0.00
9/4/2016	0.00	1	0.00	0.00	0.00
9/5/2016	0.00	1	0.00	0.00	0.00
9/6/2016	0.00	1	0.00	0.00	0.00
9/7/2016	0.00	1	0.00	0.00	0.00
9/8/2016	0.00	1	0.00	0.00	0.00
9/9/2016	0.00	1	0.00	0.00	0.00
9/10/2016	0.00	1	0.00	0.00	0.00
9/11/2016	0.14	1	0.14	0.14	0.14
9/12/2016	0.00	1	0.00	0.00	0.00
9/13/2016	0.00	1	0.00	0.00	0.00
9/14/2016	0.00	1	0.00	0.00	0.00
9/15/2016	0.00	1	0.00	0.00	0.00
9/16/2016	0.00	1	0.00	0.00	0.00
9/17/2016	0.00	1	0.00	0.00	0.00
9/18/2016	0.00	1	0.00	0.00	0.00
9/19/2016	1.35	1	1.30	1.38	1.36
9/20/2016	0.09	1	0.09	0.09	0.09
9/21/2016	0.00	1	0.00	0.00	0.00
9/22/2016	0.00	1	0.00	0.00	0.00
9/23/2016	0.00	1	0.00	0.00	0.00
9/24/2016	0.04	1	0.04	0.04	0.04

9/25/2016	0.00	1	0.00	0.00	0.00
9/26/2016	0.00	1	0.00	0.00	0.00
9/27/2016	0.42	1	0.41	0.43	0.42
9/28/2016	0.00	1	0.00	0.00	0.00
9/29/2016	0.00	1	0.00	0.00	0.00
9/30/2016	0.00	1	0.00	0.00	0.00
10/1/2016	0.24	1	0.23	0.24	0.24
10/2/2016	0.03	1	0.03	0.03	0.03
10/3/2016	0.02	1	0.02	0.02	0.02
10/4/2016	0.00	1	0.00	0.00	0.00
10/5/2016	0.00	1	0.00	0.00	0.00
10/6/2016	0.00	1	0.00	0.00	0.00
10/7/2016	0.00	1	0.00	0.00	0.00
10/8/2016	0.00	1	0.00	0.00	0.00
10/9/2016	0.00	1	0.00	0.00	0.00
10/10/2016	0.03	1	0.03	0.03	0.03
10/11/2016	0.00	1	0.00	0.00	0.00
10/12/2016	0.00	1	0.00	0.00	0.00
10/13/2016	0.00	1	0.00	0.00	0.00
10/14/2016	0.01	1	0.01	0.01	0.01
10/15/2016	0.00	1	0.00	0.00	0.00
10/16/2016	0.00	1	0.00	0.00	0.00
10/17/2016	0.00	1	0.00	0.00	0.00
10/18/2016	0.00	1	0.00	0.00	0.00
10/19/2016	0.00	1	0.00	0.00	0.00
10/20/2016	0.00	1	0.00	0.00	0.00
10/21/2016	0.00	1	0.00	0.00	0.00
10/22/2016	0.79	1	0.75	0.79	0.79
10/23/2016	0.30	1	0.29	0.30	0.30
10/24/2016	0.16	1	0.15	0.16	0.16
10/25/2016	0.02	1	0.02	0.02	0.02
10/26/2016	0.00	1	0.00	0.00	0.00
10/27/2016	0.00	1	0.00	0.00	0.00
10/28/2016	0.92	1	0.88	0.92	0.92
10/29/2016	0.00	1	0.00	0.00	0.00
10/30/2016	0.00	1	0.00	0.00	0.00
10/31/2016	0.45	1	0.43	0.45	0.45
11/1/2016	0.00	1	0.00	0.00	0.00
11/2/2016	0.00	1	0.00	0.00	0.00
11/3/2016	0.00	1	0.00	0.00	0.00
11/4/2016	0.02	1	0.02	0.02	0.02
11/5/2016	0.00	1	0.00	0.00	0.00
11/6/2016	0.00	1	0.00	0.00	0.00
11/7/2016	0.00	1	0.00	0.00	0.00
11/8/2016	0.00	1	0.00	0.00	0.00
11/9/2016	0.00	1	0.00	0.00	0.00
11/10/2016	0.04	1	0.04	0.04	0.04
11/11/2016	0.00	1	0.00	0.00	0.00
11/12/2016	0.00	1	0.00	0.00	0.00

11/13/2016	0.00	1	0.00	0.00	0.00
11/14/2016	0.00	1	0.00	0.00	0.00
11/15/2016	0.00	1	0.00	0.00	0.00
11/16/2016	1.97	1	1.91	2.01	1.98
11/17/2016	0.00	1	0.00	0.00	0.00
11/18/2016	0.00	1	0.00	0.00	0.00
11/19/2016	0.00	1	0.00	0.00	0.00
11/20/2016	0.82	1	0.79	0.84	0.82
11/21/2016	0.00	1	0.00	0.00	0.00
11/22/2016	0.00	1	0.00	0.00	0.00
11/23/2016	0.00	1	0.00	0.00	0.00
11/24/2016	0.00	1	0.00	0.00	0.00
11/25/2016	0.11	1	0.11	0.11	0.11
11/26/2016	0.00	1	0.00	0.00	0.00
11/27/2016	0.00	1	0.00	0.00	0.00
11/28/2016	0.00	1	0.00	0.00	0.00
11/29/2016	0.00	1	0.00	0.00	0.00
11/30/2016	0.98	1	0.95	1.00	0.99
12/1/2016	1.19	1	1.17	1.21	1.19
12/2/2016	0.00	1	0.00	0.00	0.00
12/3/2016	0.00	1	0.00	0.00	0.00
12/4/2016	0.00	1	0.00	0.00	0.00
12/5/2016	0.14	1	0.14	0.14	0.14
12/6/2016	0.00	1	0.00	0.00	0.00
12/7/2016	0.31	1	0.30	0.32	0.31
12/8/2016	0.00	1	0.00	0.00	0.00
12/9/2016	0.00	1	0.00	0.00	0.00
12/10/2016	0.00	1	0.00	0.00	0.00
12/11/2016	0.00	1	0.00	0.00	0.00
12/12/2016	0.34	1	0.33	0.35	0.34
12/13/2016	0.13	1	0.13	0.13	0.13
12/14/2016	0.00	1	0.00	0.00	0.00
12/15/2016	0.00	1	0.00	0.00	0.00
12/16/2016	0.00	1	0.00	0.00	0.00
12/17/2016	0.14	1	0.14	0.14	0.14
12/18/2016	0.59	1	0.58	0.60	0.59
12/19/2016	0.00	1	0.00	0.00	0.00
12/20/2016	0.00	1	0.00	0.00	0.00
12/21/2016	0.00	1	0.00	0.00	0.00
12/22/2016	0.00	1	0.00	0.00	0.00
12/23/2016	0.00	1	0.00	0.00	0.00
12/24/2016	0.25	1	0.24	0.25	0.25
12/25/2016	0.32	1	0.31	0.33	0.32
12/26/2016	0.00	1	0.00	0.00	0.00
12/27/2016	0.03	1	0.03	0.03	0.03
12/28/2016	0.00	1	0.00	0.00	0.00
12/29/2016	0.00	1	0.00	0.00	0.00
12/30/2016	0.33	1	0.32	0.34	0.33
12/31/2016	0.02	1	0.02	0.02	0.02

1/1/2017	0.00	1	0.00	0.00	0.00
1/2/2017	0.00	1	0.00	0.00	0.00
1/3/2017	0.04	1	0.04	0.04	0.04
1/4/2017	0.57	1	0.54	0.58	0.57
1/5/2017	0.00	1	0.00	0.00	0.00
1/6/2017	0.02	1	0.02	0.02	0.02
1/7/2017	0.00	1	0.00	0.00	0.00
1/8/2017	0.18	1	0.17	0.18	0.18
1/9/2017	0.00	1	0.00	0.00	0.00
1/10/2017	0.00	1	0.00	0.00	0.00
1/11/2017	0.19	1	0.18	0.19	0.19
1/12/2017	0.29	1	0.28	0.30	0.29
1/13/2017	0.04	1	0.04	0.04	0.04
1/14/2017	0.00	1	0.00	0.00	0.00
1/15/2017	0.02	1	0.02	0.02	0.02
1/16/2017	0.00	1	0.00	0.00	0.00
1/17/2017	0.00	1	0.00	0.00	0.00
1/18/2017	0.35	1	0.33	0.36	0.35
1/19/2017	0.04	1	0.04	0.04	0.04
1/20/2017	0.00	1	0.00	0.00	0.00
1/21/2017	0.07	1	0.07	0.07	0.07
1/22/2017	0.00	1	0.00	0.00	0.00
1/23/2017	0.00	1	0.00	0.00	0.00
1/24/2017	1.54	1	1.47	1.58	1.55
1/25/2017	0.42	1	0.40	0.43	0.42
1/26/2017	0.00	1	0.00	0.00	0.00
1/27/2017	0.00	1	0.00	0.00	0.00
1/28/2017	0.00	1	0.00	0.00	0.00
1/29/2017	0.00	1	0.00	0.00	0.00
1/30/2017	0.00	1	0.00	0.00	0.00
1/31/2017	0.00	1	0.00	0.00	0.00
2/1/2017	0.09	1	0.09	0.09	0.08
2/2/2017	0.02	1	0.02	0.02	0.02
2/3/2017	0.00	1	0.00	0.00	0.00
2/4/2017	0.00	1	0.00	0.00	0.00
2/5/2017	0.00	1	0.00	0.00	0.00
2/6/2017	0.00	1	0.00	0.00	0.00
2/7/2017	0.00	1	0.00	0.00	0.00
2/8/2017	0.23	1	0.22	0.24	0.20
2/9/2017	0.22	1	0.21	0.23	0.19
2/10/2017	0.49	1	0.47	0.50	0.43
2/11/2017	0.02	1	0.02	0.02	0.02
2/12/2017	0.00	1	0.00	0.00	0.00
2/13/2017	0.62	1	0.60	0.64	0.54
2/14/2017	0.00	1	0.00	0.00	0.00
2/15/2017	0.00	1	0.00	0.00	0.00
2/16/2017	0.00	1	0.00	0.00	0.00
2/17/2017	0.00	1	0.00	0.00	0.00
2/18/2017	0.00	1	0.00	0.00	0.00

2/19/2017	0.00	1	0.00	0.00	0.00
2/20/2017	0.00	1	0.00	0.00	0.00
2/21/2017	0.00	1	0.00	0.00	0.00
2/22/2017	0.02	1	0.02	0.02	0.02
2/23/2017	0.00	1	0.00	0.00	0.00
2/24/2017	0.00	1	0.00	0.00	0.00
2/25/2017	0.00	1	0.00	0.00	0.00
2/26/2017	0.65	1	0.63	0.67	0.57
2/27/2017	0.00	1	0.00	0.00	0.00
2/28/2017	0.00	1	0.00	0.00	0.00
3/1/2017	0.00	1	0.00	0.00	0.00
3/2/2017	0.22	1	0.19	0.23	0.22
3/3/2017	0.00	1	0.00	0.00	0.00
3/4/2017	0.00	1	0.00	0.00	0.00
3/5/2017	0.00	1	0.00	0.00	0.00
3/6/2017	0.00	1	0.00	0.00	0.00
3/7/2017	0.04	1	0.03	0.04	0.04
3/8/2017	0.04	1	0.03	0.04	0.04
3/9/2017	0.00	1	0.00	0.00	0.00
3/10/2017	0.07	1	0.06	0.07	0.07
3/11/2017	0.21	1	0.18	0.22	0.21
3/12/2017	0.00	1	0.00	0.00	0.00
3/13/2017	0.00	1	0.00	0.00	0.00
3/14/2017	0.49	1	0.43	0.50	0.50
3/15/2017	1.04	1	0.91	1.07	1.06
3/16/2017	0.00	1	0.00	0.00	0.00
3/17/2017	0.00	1	0.00	0.00	0.00
3/18/2017	0.00	1	0.00	0.00	0.00
3/19/2017	0.02	1	0.02	0.02	0.02
3/20/2017	0.00	1	0.00	0.00	0.00
3/21/2017	0.00	1	0.00	0.00	0.00
3/22/2017	0.00	1	0.00	0.00	0.00
3/23/2017	0.00	1	0.00	0.00	0.00
3/24/2017	0.00	1	0.00	0.00	0.00
3/25/2017	0.01	1	0.01	0.01	0.01
3/26/2017	0.01	1	0.01	0.01	0.01
3/27/2017	0.08	1	0.07	0.08	0.08
3/28/2017	0.37	1	0.32	0.38	0.38
3/29/2017	0.53	1	0.46	0.55	0.54
3/30/2017	0.00	1	0.00	0.00	0.00
3/31/2017	0.08	1	0.07	0.08	0.08
4/1/2017	1.07	1	1.03	1.06	1.07
4/2/2017	0.08	1	0.08	0.08	0.08
4/3/2017	0.00	1	0.00	0.00	0.00
4/4/2017	0.50	1	0.48	0.50	0.50
4/5/2017	0.07	1	0.07	0.07	0.07
4/6/2017	0.03	1	0.03	0.03	0.03
4/7/2017	0.54	1	0.52	0.54	0.54
4/8/2017	0.03	1	0.03	0.03	0.03

4/9/2017	0.00	1	0.00	0.00	0.00
4/10/2017	0.00	1	0.00	0.00	0.00
4/11/2017	0.00	1	0.00	0.00	0.00
4/12/2017	0.00	1	0.00	0.00	0.00
4/13/2017	0.00	1	0.00	0.00	0.00
4/14/2017	0.00	1	0.00	0.00	0.00
4/15/2017	0.00	1	0.00	0.00	0.00
4/16/2017	0.00	1	0.00	0.00	0.00
4/17/2017	0.16	1	0.15	0.16	0.16
4/18/2017	0.00	1	0.00	0.00	0.00
4/19/2017	0.00	1	0.00	0.00	0.00
4/20/2017	0.17	1	0.16	0.17	0.17
4/21/2017	0.54	1	0.52	0.54	0.54
4/22/2017	0.08	1	0.08	0.08	0.08
4/23/2017	0.03	1	0.03	0.03	0.03
4/24/2017	0.00	1	0.00	0.00	0.00
4/25/2017	0.08	1	0.08	0.08	0.08
4/26/2017	0.25	1	0.24	0.25	0.25
4/27/2017	0.03	1	0.03	0.03	0.03
4/28/2017	0.02	1	0.02	0.02	0.02
4/29/2017	0.00	1	0.00	0.00	0.00
4/30/2017	0.00	1	0.00	0.00	0.00
5/1/2017	0.02	1	0.02	0.02	0.02
5/2/2017	0.08	1	0.08	0.08	0.08
5/3/2017	0.00	1	0.00	0.00	0.00
5/4/2017	0.00	1	0.00	0.00	0.00
5/5/2017	0.06	1	0.06	0.06	0.06
5/6/2017	1.92	1	1.85	1.90	1.94
5/7/2017	0.28	1	0.27	0.28	0.28
5/8/2017	0.23	1	0.22	0.23	0.23
5/9/2017	0.00	1	0.00	0.00	0.00
5/10/2017	0.00	1	0.00	0.00	0.00
5/11/2017	0.00	1	0.00	0.00	0.00
5/12/2017	0.00	1	0.00	0.00	0.00
5/13/2017	0.08	1	0.08	0.08	0.08
5/14/2017	1.53	1	1.47	1.52	1.55
5/15/2017	0.18	1	0.17	0.18	0.18
5/16/2017	0.00	1	0.00	0.00	0.00
5/17/2017	0.00	1	0.00	0.00	0.00
5/18/2017	0.00	1	0.00	0.00	0.00
5/19/2017	0.00	1	0.00	0.00	0.00
5/20/2017	0.04	1	0.04	0.04	0.04
5/21/2017	0.00	1	0.00	0.00	0.00
5/22/2017	0.00	1	0.00	0.00	0.00
5/23/2017	0.12	1	0.12	0.12	0.12
5/24/2017	0.00	1	0.00	0.00	0.00
5/25/2017	0.02	1	0.02	0.02	0.02
5/26/2017	0.47	1	0.45	0.47	0.48
5/27/2017	0.09	1	0.09	0.09	0.09

5/28/2017	0.00	1	0.00	0.00	0.00
5/29/2017	0.00	1	0.00	0.00	0.00
5/30/2017	0.34	1	0.33	0.34	0.34
5/31/2017	0.03	1	0.03	0.03	0.03
6/1/2017	0.43	1	0.42	0.44	0.43
6/2/2017	0.00	1	0.00	0.00	0.00
6/3/2017	0.00	1	0.00	0.00	0.00
6/4/2017	0.00	1	0.00	0.00	0.00
6/5/2017	0.34	1	0.33	0.35	0.34
6/6/2017	0.22	1	0.21	0.23	0.22
6/7/2017	0.10	1	0.10	0.10	0.10
6/8/2017	0.00	1	0.00	0.00	0.00
6/9/2017	0.00	1	0.00	0.00	0.00
6/10/2017	0.00	1	0.00	0.00	0.00
6/11/2017	0.00	1	0.00	0.00	0.00
6/12/2017	0.00	1	0.00	0.00	0.00
6/13/2017	0.00	1	0.00	0.00	0.00
6/14/2017	0.11	1	0.11	0.11	0.11
6/15/2017	0.00	1	0.00	0.00	0.00
6/16/2017	0.00	1	0.00	0.00	0.00
6/17/2017	0.07	1	0.07	0.07	0.07
6/18/2017	0.00	1	0.00	0.00	0.00
6/19/2017	0.10	1	0.10	0.10	0.10
6/20/2017	0.62	1	0.60	0.64	0.62
6/21/2017	0.00	1	0.00	0.00	0.00
6/22/2017	0.00	1	0.00	0.00	0.00
6/23/2017	0.00	1	0.00	0.00	0.00
6/24/2017	0.36	1	0.35	0.37	0.36
6/25/2017	0.02	1	0.02	0.02	0.02
6/26/2017	0.02	1	0.02	0.02	0.02
6/27/2017	0.01	1	0.01	0.01	0.01
6/28/2017	0.00	1	0.00	0.00	0.00
6/29/2017	0.00	1	0.00	0.00	0.00
6/30/2017	0.00	1	0.00	0.00	0.00
7/1/2017	0.86	1	0.83	0.86	0.87
7/2/2017	0.41	1	0.40	0.41	0.41
7/3/2017	0.00	1	0.00	0.00	0.00
7/4/2017	0.00	1	0.00	0.00	0.00
7/5/2017	0.00	1	0.00	0.00	0.00
7/6/2017	0.00	1	0.00	0.00	0.00
7/7/2017	0.04	1	0.04	0.04	0.04
7/8/2017	0.55	1	0.53	0.55	0.55
7/9/2017	0.56	1	0.54	0.56	0.56
7/10/2017	0.00	1	0.00	0.00	0.00
7/11/2017	0.09	1	0.09	0.09	0.09
7/12/2017	0.00	1	0.00	0.00	0.00
7/13/2017	0.31	1	0.30	0.31	0.31
7/14/2017	0.09	1	0.09	0.09	0.09
7/15/2017	0.35	1	0.34	0.35	0.35

7/16/2017	0.00	1	0.00	0.00	0.00
7/17/2017	0.00	1	0.00	0.00	0.00
7/18/2017	0.06	1	0.06	0.06	0.06
7/19/2017	0.00	1	0.00	0.00	0.00
7/20/2017	0.00	1	0.00	0.00	0.00
7/21/2017	0.41	1	0.40	0.41	0.41
7/22/2017	0.02	1	0.02	0.02	0.02
7/23/2017	0.01	1	0.01	0.01	0.01
7/24/2017	0.09	1	0.09	0.09	0.09
7/25/2017	0.65	1	0.63	0.65	0.65
7/26/2017	0.02	1	0.02	0.02	0.02
7/27/2017	0.00	1	0.00	0.00	0.00
7/28/2017	0.01	1	0.01	0.01	0.01
7/29/2017	0.00	1	0.00	0.00	0.00
7/30/2017	0.00	1	0.00	0.00	0.00
7/31/2017	0.00	1	0.00	0.00	0.00
8/1/2017	0.00	1	0.00	0.00	0.00
8/2/2017	0.00	1	0.00	0.00	0.00
8/3/2017	0.14	1	0.13	0.14	0.14
8/4/2017	0.00	1	0.00	0.00	0.00
8/5/2017	0.19	1	0.18	0.19	0.19
8/6/2017	0.00	1	0.00	0.00	0.00
8/7/2017	0.00	1	0.00	0.00	0.00
8/8/2017	0.24	1	0.22	0.24	0.24
8/9/2017	0.01	1	0.01	0.01	0.01
8/10/2017	0.00	1	0.00	0.00	0.00
8/11/2017	0.00	1	0.00	0.00	0.00
8/12/2017	1.57	1	1.47	1.58	1.58
8/13/2017	0.00	1	0.00	0.00	0.00
8/14/2017	0.00	1	0.00	0.00	0.00
8/15/2017	0.08	1	0.07	0.08	0.08
8/16/2017	0.00	1	0.00	0.00	0.00
8/17/2017	0.00	1	0.00	0.00	0.00
8/18/2017	0.00	1	0.00	0.00	0.00
8/19/2017	0.59	1	0.55	0.59	0.59
8/20/2017	0.00	1	0.00	0.00	0.00
8/21/2017	0.00	1	0.00	0.00	0.00
8/22/2017	0.00	1	0.00	0.00	0.00
8/23/2017	0.53	1	0.50	0.53	0.53
8/24/2017	0.00	1	0.00	0.00	0.00
8/25/2017	0.00	1	0.00	0.00	0.00
8/26/2017	0.00	1	0.00	0.00	0.00
8/27/2017	0.00	1	0.00	0.00	0.00
8/28/2017	0.00	1	0.00	0.00	0.00
8/29/2017	0.00	1	0.00	0.00	0.00
8/30/2017	0.02	1	0.02	0.02	0.02
8/31/2017	0.00	1	0.00	0.00	0.00
9/1/2017	0.02	1	0.02	0.02	0.02
9/2/2017	0.00	1	0.00	0.00	0.00

9/3/2017	0.72	1	0.69	0.73	0.72
9/4/2017	0.19	1	0.18	0.19	0.19
9/5/2017	0.00	1	0.00	0.00	0.00
9/6/2017	0.11	1	0.11	0.11	0.11
9/7/2017	0.74	1	0.71	0.76	0.74
9/8/2017	0.03	1	0.03	0.03	0.03
9/9/2017	0.02	1	0.02	0.02	0.02
9/10/2017	0.00	1	0.00	0.00	0.00
9/11/2017	0.00	1	0.00	0.00	0.00
9/12/2017	0.00	1	0.00	0.00	0.00
9/13/2017	0.00	1	0.00	0.00	0.00
9/14/2017	0.00	1	0.00	0.00	0.00
9/15/2017	0.24	1	0.23	0.24	0.24
9/16/2017	0.00	1	0.00	0.00	0.00
9/17/2017	0.00	1	0.00	0.00	0.00
9/18/2017	0.00	1	0.00	0.00	0.00
9/19/2017	0.00	1	0.00	0.00	0.00
9/20/2017	0.02	1	0.02	0.02	0.02
9/21/2017	0.00	1	0.00	0.00	0.00
9/22/2017	0.00	1	0.00	0.00	0.00
9/23/2017	0.00	1	0.00	0.00	0.00
9/24/2017	0.00	1	0.00	0.00	0.00
9/25/2017	0.00	1	0.00	0.00	0.00
9/26/2017	0.00	1	0.00	0.00	0.00
9/27/2017	0.00	1	0.00	0.00	0.00
9/28/2017	0.00	1	0.00	0.00	0.00
9/29/2017	0.00	1	0.00	0.00	0.00
9/30/2017	0.01	1	0.01	0.01	0.01
10/1/2017	0.16	1	0.15	0.16	0.16
10/2/2017	0.00	1	0.00	0.00	0.00
10/3/2017	0.00	1	0.00	0.00	0.00
10/4/2017	0.00	1	0.00	0.00	0.00
10/5/2017	0.00	1	0.00	0.00	0.00
10/6/2017	0.00	1	0.00	0.00	0.00
10/7/2017	0.00	1	0.00	0.00	0.00
10/8/2017	0.00	1	0.00	0.00	0.00
10/9/2017	0.63	1	0.60	0.63	0.63
10/10/2017	0.08	1	0.08	0.08	0.08
10/11/2017	0.00	1	0.00	0.00	0.00
10/12/2017	0.12	1	0.11	0.12	0.12
10/13/2017	0.00	1	0.00	0.00	0.00
10/14/2017	0.00	1	0.00	0.00	0.00
10/15/2017	0.00	1	0.00	0.00	0.00
10/16/2017	0.14	1	0.13	0.14	0.14
10/17/2017	0.00	1	0.00	0.00	0.00
10/18/2017	0.00	1	0.00	0.00	0.00
10/19/2017	0.00	1	0.00	0.00	0.00
10/20/2017	0.00	1	0.00	0.00	0.00
10/21/2017	0.00	1	0.00	0.00	0.00

10/22/2017	0.00	1	0.00	0.00	0.00
10/23/2017	0.00	1	0.00	0.00	0.00
10/24/2017	0.02	1	0.02	0.02	0.02
10/25/2017	0.23	1	0.22	0.23	0.23
10/26/2017	0.00	1	0.00	0.00	0.00
10/27/2017	0.00	1	0.00	0.00	0.00
10/28/2017	0.00	1	0.00	0.00	0.00
10/29/2017	0.08	1	0.08	0.08	0.08
10/30/2017	3.21	1	3.06	3.21	3.23
10/31/2017	0.08	1	0.08	0.08	0.08
11/1/2017	0.00	1	0.00	0.00	0.00
11/2/2017	0.03	1	0.03	0.03	0.03
11/3/2017	0.00	1	0.00	0.00	0.00
11/4/2017	0.00	1	0.00	0.00	0.00
11/5/2017	0.02	1	0.02	0.02	0.02
11/6/2017	0.06	1	0.06	0.06	0.06
11/7/2017	0.09	1	0.09	0.09	0.09
11/8/2017	0.18	1	0.17	0.18	0.18
11/9/2017	0.00	1	0.00	0.00	0.00
11/10/2017	0.00	1	0.00	0.00	0.00
11/11/2017	0.00	1	0.00	0.00	0.00
11/12/2017	0.00	1	0.00	0.00	0.00
11/13/2017	0.00	1	0.00	0.00	0.00
11/14/2017	0.04	1	0.04	0.04	0.04
11/15/2017	0.00	1	0.00	0.00	0.00
11/16/2017	0.08	1	0.08	0.08	0.08
11/17/2017	0.07	1	0.07	0.07	0.07
11/18/2017	0.00	1	0.00	0.00	0.00
11/19/2017	0.35	1	0.34	0.36	0.35
11/20/2017	0.00	1	0.00	0.00	0.00
11/21/2017	0.00	1	0.00	0.00	0.00
11/22/2017	0.00	1	0.00	0.00	0.00
11/23/2017	0.04	1	0.04	0.04	0.04
11/24/2017	0.00	1	0.00	0.00	0.00
11/25/2017	0.00	1	0.00	0.00	0.00
11/26/2017	0.00	1	0.00	0.00	0.00
11/27/2017	0.00	1	0.00	0.00	0.00
11/28/2017	0.00	1	0.00	0.00	0.00
11/29/2017	0.00	1	0.00	0.00	0.00
11/30/2017	0.00	1	0.00	0.00	0.00
12/1/2017	0.13	1	0.13	0.13	0.13
12/2/2017	0.00	1	0.00	0.00	0.00
12/3/2017	0.00	1	0.00	0.00	0.00
12/4/2017	0.00	1	0.00	0.00	0.00
12/5/2017	0.00	1	0.00	0.00	0.00
12/6/2017	0.34	1	0.33	0.35	0.34
12/7/2017	0.00	1	0.00	0.00	0.00
12/8/2017	0.00	1	0.00	0.00	0.00
12/9/2017	0.00	1	0.00	0.00	0.00

12/10/2017	0.31	1	0.30	0.32	0.31
12/11/2017	0.00	1	0.00	0.00	0.00
12/12/2017	0.00	1	0.00	0.00	0.00
12/13/2017	0.21	1	0.21	0.21	0.21
12/14/2017	0.07	1	0.07	0.07	0.07
12/15/2017	0.00	1	0.00	0.00	0.00
12/16/2017	0.02	1	0.02	0.02	0.02
12/17/2017	0.00	1	0.00	0.00	0.00
12/18/2017	0.00	1	0.00	0.00	0.00
12/19/2017	0.00	1	0.00	0.00	0.00
12/20/2017	0.00	1	0.00	0.00	0.00
12/21/2017	0.00	1	0.00	0.00	0.00
12/22/2017	0.00	1	0.00	0.00	0.00
12/23/2017	0.11	1	0.11	0.11	0.11
12/24/2017	0.53	1	0.52	0.54	0.53
12/25/2017	0.29	1	0.28	0.30	0.29
12/26/2017	0.00	1	0.00	0.00	0.00
12/27/2017	0.00	1	0.00	0.00	0.00
12/28/2017	0.00	1	0.00	0.00	0.00
12/29/2017	0.00	1	0.00	0.00	0.00
12/30/2017	0.01	1	0.01	0.01	0.01
12/31/2017	0.03	1	0.03	0.03	0.03

APPENDIX II

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
1/1/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/2/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/3/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/4/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/5/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/6/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/7/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/8/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/9/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/10/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/11/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/12/1963	0.44	0.01	0.01	0.01	0.00	0.00
1/13/1963	0.53	0.01	0.01	0.01	0.00	0.00
1/14/1963	0.09	0.01	0.01	0.01	0.00	0.00
1/15/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/16/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/17/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/18/1963	0.00	0.01	0.01	0.01	0.00	0.00
1/19/1963	0.01	0.01	0.01	0.01	0.00	0.00
1/20/1963	0.35	0.01	0.02	0.01	0.00	0.00
1/21/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/22/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/23/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/24/1963	0.48	0.01	0.02	0.01	0.00	0.00
1/25/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/26/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/27/1963	1.03	0.01	0.02	0.01	0.00	0.00
1/28/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/29/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/30/1963	0.00	0.01	0.02	0.01	0.00	0.00
1/31/1963	0.02	0.01	0.02	0.01	0.00	0.00
2/1/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/2/1963	0.00	0.01	0.02	0.01	0.00	0.10
2/3/1963	0.40	0.01	0.02	0.01	0.04	0.10
2/4/1963	0.00	0.01	0.02	0.01	0.00	0.10
2/5/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/6/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/7/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/8/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/9/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/10/1963	0.01	0.01	0.02	0.01	0.00	0.00
2/11/1963	0.12	0.01	0.02	0.01	0.00	0.00
2/12/1963	0.37	0.01	0.02	0.01	0.00	0.00
2/13/1963	0.36	0.01	0.02	0.01	0.00	0.00
2/14/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/15/1963	0.03	0.01	0.02	0.01	0.00	0.00
2/16/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/17/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/18/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/19/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/20/1963	0.76	0.01	0.02	0.01	0.00	0.00
2/21/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/22/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/23/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/24/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/25/1963	0.11	0.01	0.02	0.01	0.00	0.00
2/26/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/27/1963	0.00	0.01	0.02	0.01	0.00	0.00
2/28/1963	0.00	0.01	0.02	0.01	0.00	0.00
3/1/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/2/1963	0.72	0.03	0.02	0.03	0.53	0.78
3/3/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/4/1963	0.00	0.03	0.02	0.03	0.00	0.78

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
3/5/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/6/1963	0.23	0.03	0.02	0.03	0.14	0.78
3/7/1963	0.42	0.03	0.02	0.03	0.29	0.78
3/8/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/9/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/10/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/11/1963	0.00	0.03	0.02	0.03	0.00	0.78
3/12/1963	0.54	0.03	0.02	0.03	0.38	0.78
3/13/1963	0.04	0.03	0.02	0.03	0.00	0.78
3/14/1963	0.16	0.03	0.02	0.03	0.08	0.78
3/15/1963	0.00	0.03	0.03	0.03	0.00	0.78
3/16/1963	0.00	0.03	0.03	0.03	0.00	0.78
3/17/1963	0.16	0.03	0.03	0.03	0.08	0.78
3/18/1963	0.00	0.03	0.04	0.03	0.00	0.78
3/19/1963	0.00	0.03	0.04	0.03	0.00	0.78
3/20/1963	0.40	0.03	0.05	0.03	0.25	0.78
3/21/1963	0.17	0.03	0.05	0.03	0.07	0.78
3/22/1963	0.00	0.03	0.05	0.03	0.00	0.78
3/23/1963	0.00	0.03	0.05	0.03	0.00	0.78
3/24/1963	0.00	0.03	0.05	0.03	0.00	0.78
3/25/1963	0.00	0.03	0.06	0.03	0.00	0.78
3/26/1963	0.00	0.03	0.06	0.03	0.00	0.78
3/27/1963	0.18	0.03	0.07	0.03	0.06	0.78
3/28/1963	0.00	0.03	0.07	0.03	0.00	0.78
3/29/1963	0.00	0.03	0.08	0.03	0.00	0.78
3/30/1963	0.00	0.03	0.08	0.03	0.00	0.78
3/31/1963	0.00	0.03	0.08	0.03	0.00	0.78
4/1/1963	0.00	0.06	0.08	0.06	0.00	0.58
4/2/1963	0.05	0.06	0.08	0.06	0.00	0.58
4/3/1963	0.00	0.06	0.08	0.06	0.00	0.58
4/4/1963	0.00	0.06	0.08	0.06	0.00	0.58
4/5/1963	0.00	0.06	0.08	0.06	0.00	0.58
4/6/1963	0.00	0.06	0.08	0.06	0.00	0.58
4/7/1963	0.00	0.06	0.07	0.06	0.00	0.58
4/8/1963	0.00	0.06	0.07	0.06	0.00	0.58
4/9/1963	0.00	0.06	0.06	0.06	0.00	0.58
4/10/1963	0.07	0.06	0.06	0.06	0.00	0.58
4/11/1963	0.00	0.06	0.06	0.06	0.00	0.58
4/12/1963	0.00	0.06	0.05	0.06	0.00	0.58
4/13/1963	0.00	0.06	0.05	0.06	0.00	0.58
4/14/1963	0.00	0.06	0.04	0.06	0.00	0.58
4/15/1963	0.00	0.06	0.04	0.06	0.00	0.58
4/16/1963	0.00	0.06	0.04	0.06	0.00	0.58
4/17/1963	0.00	0.06	0.04	0.06	0.00	0.58
4/18/1963	0.23	0.06	0.04	0.06	0.08	0.58
4/19/1963	0.01	0.06	0.04	0.06	0.00	0.58
4/20/1963	0.05	0.06	0.03	0.06	0.00	0.58
4/21/1963	0.00	0.06	0.03	0.06	0.00	0.58
4/22/1963	0.00	0.06	0.03	0.06	0.00	0.58
4/23/1963	0.11	0.06	0.03	0.06	0.01	0.58
4/24/1963	0.15	0.06	0.03	0.06	0.04	0.58
4/25/1963	0.00	0.06	0.03	0.06	0.00	0.58
4/26/1963	0.00	0.06	0.03	0.06	0.00	0.58
4/27/1963	0.00	0.06	0.03	0.06	0.00	0.58
4/28/1963	0.00	0.06	0.02	0.06	0.00	0.58
4/29/1963	0.00	0.06	0.02	0.06	0.00	0.58
4/30/1963	0.11	0.06	0.02	0.06	0.02	0.58
5/1/1963	0.12	0.10	0.02	0.10	0.00	0.50
5/2/1963	0.05	0.10	0.02	0.10	0.00	0.50
5/3/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/4/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/5/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/6/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/7/1963	0.00	0.10	0.02	0.10	0.00	0.50

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
5/8/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/9/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/10/1963	0.15	0.10	0.02	0.10	0.02	0.50
5/11/1963	0.34	0.10	0.02	0.10	0.11	0.50
5/12/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/13/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/14/1963	0.07	0.10	0.02	0.10	0.00	0.50
5/15/1963	0.48	0.10	0.02	0.10	0.18	0.50
5/16/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/17/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/18/1963	0.02	0.10	0.02	0.10	0.00	0.50
5/19/1963	0.22	0.10	0.02	0.10	0.05	0.50
5/20/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/21/1963	0.05	0.10	0.02	0.10	0.00	0.50
5/22/1963	0.06	0.10	0.02	0.10	0.00	0.50
5/23/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/24/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/25/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/26/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/27/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/28/1963	0.00	0.10	0.02	0.10	0.00	0.50
5/29/1963	0.00	0.10	0.01	0.10	0.00	0.50
5/30/1963	0.03	0.10	0.01	0.10	0.00	0.50
5/31/1963	0.00	0.10	0.01	0.10	0.00	0.50
6/1/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/2/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/3/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/4/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/5/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/6/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/7/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/8/1963	0.25	0.15	0.01	0.15	0.02	0.25
6/9/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/10/1963	0.11	0.15	0.01	0.15	0.00	0.25
6/11/1963	0.20	0.15	0.01	0.15	0.01	0.25
6/12/1963	0.63	0.15	0.01	0.15	0.12	0.25
6/13/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/14/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/15/1963	0.86	0.15	0.01	0.15	0.17	0.25
6/16/1963	0.09	0.15	0.01	0.15	0.00	0.25
6/17/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/18/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/19/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/20/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/21/1963	0.89	0.15	0.01	0.15	0.18	0.25
6/22/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/23/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/24/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/25/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/26/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/27/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/28/1963	0.00	0.15	0.01	0.15	0.00	0.25
6/29/1963	0.04	0.15	0.01	0.15	0.00	0.25
6/30/1963	1.59	0.15	0.01	0.15	0.35	0.25
7/1/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/2/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/3/1963	0.62	0.17	0.01	0.17	0.10	0.22
7/4/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/5/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/6/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/7/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/8/1963	1.16	0.17	0.01	0.17	0.22	0.22
7/9/1963	0.02	0.17	0.01	0.17	0.00	0.22
7/10/1963	0.00	0.17	0.01	0.17	0.00	0.22

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
7/11/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/12/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/13/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/14/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/15/1963	0.36	0.17	0.01	0.17	0.04	0.22
7/16/1963	0.04	0.17	0.01	0.17	0.00	0.22
7/17/1963	0.24	0.17	0.01	0.17	0.01	0.22
7/18/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/19/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/20/1963	0.95	0.17	0.01	0.17	0.17	0.22
7/21/1963	0.59	0.17	0.01	0.17	0.09	0.22
7/22/1963	0.27	0.17	0.01	0.17	0.02	0.22
7/23/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/24/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/25/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/26/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/27/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/28/1963	0.00	0.17	0.01	0.17	0.00	0.22
7/29/1963	0.06	0.17	0.01	0.17	0.00	0.22
7/30/1963	0.41	0.17	0.01	0.17	0.05	0.22
7/31/1963	0.00	0.17	0.01	0.17	0.00	0.22
8/1/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/2/1963	0.66	0.11	0.01	0.11	0.12	0.22
8/3/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/4/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/5/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/6/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/7/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/8/1963	0.22	0.11	0.01	0.11	0.02	0.22
8/9/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/10/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/11/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/12/1963	0.25	0.11	0.01	0.11	0.03	0.22
8/13/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/14/1963	0.35	0.11	0.01	0.11	0.05	0.22
8/15/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/16/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/17/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/18/1963	0.89	0.11	0.01	0.11	0.17	0.22
8/19/1963	0.00	0.11	0.01	0.11	0.00	0.22
8/20/1963	0.38	0.11	0.00	0.11	0.06	0.22
8/21/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/22/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/23/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/24/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/25/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/26/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/27/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/28/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/29/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/30/1963	0.00	0.11	0.00	0.11	0.00	0.22
8/31/1963	0.00	0.11	0.00	0.11	0.00	0.22
9/1/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/2/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/3/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/4/1963	0.04	0.08	0.00	0.08	0.00	0.21
9/5/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/6/1963	0.01	0.08	0.00	0.08	0.00	0.21
9/7/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/8/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/9/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/10/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/11/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/12/1963	0.00	0.08	0.00	0.08	0.00	0.21

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
9/13/1963	0.27	0.08	0.00	0.08	0.04	0.21
9/14/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/15/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/16/1963	0.02	0.08	0.00	0.08	0.00	0.21
9/17/1963	0.19	0.08	0.00	0.08	0.02	0.21
9/18/1963	0.01	0.08	0.00	0.08	0.00	0.21
9/19/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/20/1963	0.04	0.08	0.00	0.08	0.00	0.21
9/21/1963	1.17	0.08	0.00	0.08	0.23	0.21
9/22/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/23/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/24/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/25/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/26/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/27/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/28/1963	0.00	0.08	0.00	0.08	0.00	0.21
9/29/1963	0.47	0.08	0.00	0.08	0.08	0.21
9/30/1963	1.02	0.08	0.00	0.08	0.20	0.21
10/1/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/2/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/3/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/4/1963	0.03	0.03	0.00	0.03	0.00	0.26
10/5/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/6/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/7/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/8/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/9/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/10/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/11/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/12/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/13/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/14/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/15/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/16/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/17/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/18/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/19/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/20/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/21/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/22/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/23/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/24/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/25/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/26/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/27/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/28/1963	0.06	0.03	0.00	0.03	0.01	0.26
10/29/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/30/1963	0.00	0.03	0.00	0.03	0.00	0.26
10/31/1963	0.00	0.03	0.00	0.03	0.00	0.26
11/1/1963	0.03	0.03	0.00	0.03	0.00	0.19
11/2/1963	0.30	0.03	0.00	0.03	0.05	0.19
11/3/1963	0.03	0.03	0.00	0.03	0.00	0.19
11/4/1963	0.00	0.03	0.00	0.03	0.00	0.19
11/5/1963	0.00	0.03	0.00	0.03	0.00	0.19
11/6/1963	0.47	0.03	0.00	0.03	0.08	0.19
11/7/1963	1.16	0.03	0.00	0.03	0.21	0.19
11/8/1963	2.58	0.03	0.00	0.03	0.47	0.19
11/9/1963	0.43	0.03	0.00	0.03	0.07	0.19
11/10/1963	0.00	0.03	0.00	0.03	0.00	0.19
11/11/1963	0.43	0.03	0.00	0.03	0.07	0.19
11/12/1963	0.03	0.03	0.00	0.03	0.00	0.19
11/13/1963	0.00	0.03	0.00	0.03	0.00	0.19
11/14/1963	0.00	0.03	0.00	0.03	0.00	0.19
11/15/1963	0.00	0.03	0.01	0.03	0.00	0.19

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
11/16/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/17/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/18/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/19/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/20/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/21/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/22/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/23/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/24/1963	0.78	0.03	0.01	0.03	0.14	0.19
11/25/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/26/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/27/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/28/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/29/1963	0.00	0.03	0.01	0.03	0.00	0.19
11/30/1963	1.10	0.03	0.01	0.03	0.20	0.19
12/1/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/2/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/3/1963	0.09	0.01	0.01	0.01	0.00	0.05
12/4/1963	0.01	0.01	0.01	0.01	0.00	0.05
12/5/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/6/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/7/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/8/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/9/1963	1.07	0.01	0.01	0.01	0.05	0.05
12/10/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/11/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/12/1963	0.16	0.01	0.01	0.01	0.01	0.05
12/13/1963	0.13	0.01	0.01	0.01	0.00	0.05
12/14/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/15/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/16/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/17/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/18/1963	0.01	0.01	0.01	0.01	0.00	0.05
12/19/1963	0.13	0.01	0.01	0.01	0.00	0.05
12/20/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/21/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/22/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/23/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/24/1963	0.47	0.01	0.01	0.01	0.02	0.05
12/25/1963	0.03	0.01	0.01	0.01	0.00	0.05
12/26/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/27/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/28/1963	0.09	0.01	0.01	0.01	0.00	0.05
12/29/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/30/1963	0.00	0.01	0.01	0.01	0.00	0.05
12/31/1963	0.00	0.01	0.01	0.01	0.00	0.05
1/1/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/2/1964	0.48	0.01	0.01	0.01	0.01	0.01
1/3/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/4/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/5/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/6/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/7/1964	0.03	0.01	0.01	0.01	0.00	0.01
1/8/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/9/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/10/1964	0.52	0.01	0.01	0.01	0.01	0.01
1/11/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/12/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/13/1964	0.21	0.01	0.01	0.01	0.00	0.01
1/14/1964	0.73	0.01	0.01	0.01	0.01	0.01
1/15/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/16/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/17/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/18/1964	0.00	0.01	0.01	0.01	0.00	0.01

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
1/19/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/20/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/21/1964	0.85	0.01	0.01	0.01	0.01	0.01
1/22/1964	0.00	0.01	0.01	0.01	0.00	0.01
1/23/1964	0.00	0.01	0.02	0.01	0.00	0.01
1/24/1964	0.00	0.01	0.02	0.01	0.00	0.01
1/25/1964	0.15	0.01	0.02	0.01	0.00	0.01
1/26/1964	0.15	0.01	0.03	0.01	0.00	0.01
1/27/1964	0.00	0.01	0.03	0.01	0.00	0.01
1/28/1964	0.16	0.01	0.03	0.01	0.00	0.01
1/29/1964	0.16	0.01	0.03	0.01	0.00	0.01
1/30/1964	0.00	0.01	0.03	0.01	0.00	0.01
1/31/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/1/1964	0.16	0.01	0.04	0.01	0.00	0.01
2/2/1964	0.10	0.01	0.04	0.01	0.00	0.01
2/3/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/4/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/5/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/6/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/7/1964	0.90	0.01	0.04	0.01	0.00	0.01
2/8/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/9/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/10/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/11/1964	0.00	0.01	0.04	0.01	0.00	0.01
2/12/1964	0.00	0.01	0.03	0.01	0.00	0.01
2/13/1964	0.00	0.01	0.03	0.01	0.00	0.01
2/14/1964	0.04	0.01	0.03	0.01	0.00	0.01
2/15/1964	0.00	0.01	0.03	0.01	0.00	0.01
2/16/1964	0.61	0.01	0.03	0.01	0.00	0.01
2/17/1964	0.17	0.01	0.03	0.01	0.00	0.01
2/18/1964	0.00	0.01	0.03	0.01	0.00	0.01
2/19/1964	0.46	0.01	0.03	0.01	0.00	0.01
2/20/1964	0.58	0.01	0.03	0.01	0.00	0.01
2/21/1964	0.00	0.01	0.03	0.01	0.00	0.01
2/22/1964	0.00	0.01	0.03	0.01	0.00	0.01
2/23/1964	0.00	0.01	0.02	0.01	0.00	0.01
2/24/1964	0.00	0.01	0.02	0.01	0.00	0.01
2/25/1964	0.00	0.01	0.02	0.01	0.00	0.01
2/26/1964	0.00	0.01	0.02	0.01	0.00	0.01
2/27/1964	0.00	0.01	0.02	0.01	0.00	0.01
2/28/1964	0.00	0.01	0.02	0.01	0.00	0.01
2/29/1964	0.12	0.01	0.02	0.01	0.00	0.01
3/1/1964	0.00	0.03	0.02	0.03	0.00	1.00
3/2/1964	0.05	0.03	0.02	0.03	0.00	1.00
3/3/1964	0.00	0.03	0.02	0.03	0.00	1.00
3/4/1964	0.00	0.03	0.02	0.03	0.00	1.00
3/5/1964	0.02	0.03	0.02	0.03	0.00	1.00
3/6/1964	0.00	0.03	0.03	0.03	0.00	1.00
3/7/1964	0.00	0.03	0.03	0.03	0.00	1.00
3/8/1964	0.00	0.03	0.03	0.03	0.00	1.00
3/9/1964	0.26	0.03	0.03	0.03	0.20	1.00
3/10/1964	0.48	0.03	0.03	0.03	0.41	1.00
3/11/1964	0.49	0.03	0.04	0.03	0.42	1.00
3/12/1964	0.01	0.03	0.04	0.03	0.00	1.00
3/13/1964	0.09	0.03	0.04	0.03	0.01	1.00
3/14/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/15/1964	0.07	0.03	0.05	0.03	0.00	1.00
3/16/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/17/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/18/1964	0.10	0.03	0.05	0.03	0.02	1.00
3/19/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/20/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/21/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/22/1964	0.00	0.03	0.05	0.03	0.00	1.00

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
3/23/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/24/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/25/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/26/1964	0.00	0.03	0.05	0.03	0.00	1.00
3/27/1964	0.03	0.03	0.05	0.03	0.00	1.00
3/28/1964	0.00	0.03	0.04	0.03	0.00	1.00
3/29/1964	0.28	0.03	0.04	0.03	0.20	1.00
3/30/1964	0.00	0.03	0.04	0.03	0.00	1.00
3/31/1964	0.00	0.03	0.04	0.03	0.00	1.00
4/1/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/2/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/3/1964	0.22	0.05	0.04	0.05	0.01	0.08
4/4/1964	0.02	0.05	0.04	0.05	0.00	0.08
4/5/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/6/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/7/1964	1.17	0.05	0.04	0.05	0.09	0.08
4/8/1964	0.14	0.05	0.04	0.05	0.00	0.08
4/9/1964	0.25	0.05	0.04	0.05	0.01	0.08
4/10/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/11/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/12/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/13/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/14/1964	0.18	0.05	0.04	0.05	0.01	0.08
4/15/1964	0.86	0.05	0.04	0.05	0.06	0.08
4/16/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/17/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/18/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/19/1964	0.42	0.05	0.04	0.05	0.03	0.08
4/20/1964	0.15	0.05	0.04	0.05	0.00	0.08
4/21/1964	0.32	0.05	0.04	0.05	0.02	0.08
4/22/1964	0.05	0.05	0.04	0.05	0.00	0.08
4/23/1964	0.01	0.05	0.04	0.05	0.00	0.08
4/24/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/25/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/26/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/27/1964	0.00	0.05	0.04	0.05	0.00	0.08
4/28/1964	0.04	0.05	0.04	0.05	0.00	0.08
4/29/1964	0.05	0.05	0.04	0.05	0.00	0.08
4/30/1964	0.09	0.05	0.04	0.05	0.00	0.08
5/1/1964	0.03	0.11	0.04	0.11	0.00	0.90
5/2/1964	0.00	0.11	0.04	0.11	0.00	0.90
5/3/1964	0.00	0.11	0.04	0.11	0.00	0.90
5/4/1964	0.00	0.11	0.04	0.11	0.00	0.90
5/5/1964	0.00	0.11	0.04	0.11	0.00	0.90
5/6/1964	0.00	0.11	0.04	0.11	0.00	0.90
5/7/1964	0.00	0.11	0.03	0.11	0.00	0.90
5/8/1964	0.00	0.11	0.03	0.11	0.00	0.90
5/9/1964	0.00	0.11	0.03	0.11	0.00	0.90
5/10/1964	0.00	0.11	0.03	0.11	0.00	0.90
5/11/1964	0.00	0.11	0.03	0.11	0.00	0.90
5/12/1964	0.00	0.11	0.03	0.11	0.00	0.90
5/13/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/14/1964	0.21	0.11	0.02	0.11	0.07	0.90
5/15/1964	0.99	0.11	0.02	0.11	0.77	0.90
5/16/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/17/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/18/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/19/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/20/1964	0.42	0.11	0.02	0.11	0.26	0.90
5/21/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/22/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/23/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/24/1964	0.00	0.11	0.02	0.11	0.00	0.90
5/25/1964	0.00	0.11	0.02	0.11	0.00	0.90

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
5/26/1964	0.00	0.11	0.01	0.11	0.00	0.90
5/27/1964	0.00	0.11	0.01	0.11	0.00	0.90
5/28/1964	0.00	0.11	0.01	0.11	0.00	0.90
5/29/1964	0.00	0.11	0.01	0.11	0.00	0.90
5/30/1964	0.00	0.11	0.01	0.11	0.00	0.90
5/31/1964	0.00	0.11	0.01	0.11	0.00	0.90
6/1/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/2/1964	0.04	0.14	0.01	0.14	0.00	0.33
6/3/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/4/1964	0.47	0.14	0.01	0.14	0.11	0.33
6/5/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/6/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/7/1964	0.25	0.14	0.01	0.14	0.03	0.33
6/8/1964	1.42	0.14	0.01	0.14	0.43	0.33
6/9/1964	0.01	0.14	0.01	0.14	0.00	0.33
6/10/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/11/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/12/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/13/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/14/1964	0.02	0.14	0.01	0.14	0.00	0.33
6/15/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/16/1964	0.26	0.14	0.01	0.14	0.04	0.33
6/17/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/18/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/19/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/20/1964	0.04	0.14	0.01	0.14	0.00	0.33
6/21/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/22/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/23/1964	0.01	0.14	0.01	0.14	0.00	0.33
6/24/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/25/1964	0.88	0.14	0.01	0.14	0.24	0.33
6/26/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/27/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/28/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/29/1964	0.00	0.14	0.01	0.14	0.00	0.33
6/30/1964	0.00	0.14	0.01	0.14	0.00	0.33
7/1/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/2/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/3/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/4/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/5/1964	0.26	0.14	0.00	0.14	0.03	0.29
7/6/1964	0.02	0.14	0.00	0.14	0.00	0.29
7/7/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/8/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/9/1964	0.54	0.14	0.00	0.14	0.11	0.29
7/10/1964	0.41	0.14	0.00	0.14	0.08	0.29
7/11/1964	0.18	0.14	0.00	0.14	0.01	0.29
7/12/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/13/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/14/1964	0.04	0.14	0.00	0.14	0.00	0.29
7/15/1964	0.01	0.14	0.00	0.14	0.00	0.29
7/16/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/17/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/18/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/19/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/20/1964	0.07	0.14	0.00	0.14	0.00	0.29
7/21/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/22/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/23/1964	0.17	0.14	0.00	0.14	0.01	0.29
7/24/1964	0.07	0.14	0.00	0.14	0.00	0.29
7/25/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/26/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/27/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/28/1964	0.00	0.14	0.00	0.14	0.00	0.29

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
7/29/1964	0.00	0.14	0.00	0.14	0.00	0.29
7/30/1964	0.23	0.14	0.00	0.14	0.02	0.29
7/31/1964	0.00	0.14	0.00	0.14	0.00	0.29
8/1/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/2/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/3/1964	0.03	0.08	0.00	0.08	0.00	0.25
8/4/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/5/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/6/1964	0.36	0.08	0.00	0.08	0.07	0.25
8/7/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/8/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/9/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/10/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/11/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/12/1964	0.17	0.08	0.00	0.08	0.02	0.25
8/13/1964	0.94	0.08	0.00	0.08	0.21	0.25
8/14/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/15/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/16/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/17/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/18/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/19/1964	0.10	0.08	0.00	0.08	0.00	0.25
8/20/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/21/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/22/1964	0.11	0.08	0.00	0.08	0.01	0.25
8/23/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/24/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/25/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/26/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/27/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/28/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/29/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/30/1964	0.00	0.08	0.00	0.08	0.00	0.25
8/31/1964	0.00	0.08	0.00	0.08	0.00	0.25
9/1/1964	0.02	0.03	0.00	0.03	0.00	0.50
9/2/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/3/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/4/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/5/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/6/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/7/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/8/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/9/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/10/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/11/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/12/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/13/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/14/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/15/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/16/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/17/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/18/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/19/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/20/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/21/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/22/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/23/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/24/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/25/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/26/1964	0.03	0.03	0.00	0.03	0.00	0.50
9/27/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/28/1964	0.02	0.03	0.00	0.03	0.00	0.50
9/29/1964	0.00	0.03	0.00	0.03	0.00	0.50
9/30/1964	0.00	0.03	0.00	0.03	0.00	0.50

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
10/1/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/2/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/3/1964	0.83	0.04	0.00	0.04	0.17	0.21
10/4/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/5/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/6/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/7/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/8/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/9/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/10/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/11/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/12/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/13/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/14/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/15/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/16/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/17/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/18/1964	0.25	0.04	0.00	0.04	0.05	0.21
10/19/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/20/1964	0.16	0.04	0.00	0.04	0.03	0.21
10/21/1964	0.21	0.04	0.00	0.04	0.04	0.21
10/22/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/23/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/24/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/25/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/26/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/27/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/28/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/29/1964	0.00	0.04	0.00	0.04	0.00	0.21
10/30/1964	0.01	0.04	0.00	0.04	0.00	0.21
10/31/1964	0.00	0.04	0.00	0.04	0.00	0.21
11/1/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/2/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/3/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/4/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/5/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/6/1964	0.06	0.03	0.00	0.03	0.01	0.21
11/7/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/8/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/9/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/10/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/11/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/12/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/13/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/14/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/15/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/16/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/17/1964	0.03	0.03	0.00	0.03	0.00	0.21
11/18/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/19/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/20/1964	0.42	0.03	0.00	0.03	0.08	0.21
11/21/1964	0.05	0.03	0.00	0.03	0.01	0.21
11/22/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/23/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/24/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/25/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/26/1964	0.86	0.03	0.00	0.03	0.18	0.21
11/27/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/28/1964	0.00	0.03	0.00	0.03	0.00	0.21
11/29/1964	0.08	0.03	0.00	0.03	0.01	0.21
11/30/1964	0.00	0.03	0.00	0.03	0.00	0.21
12/1/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/2/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/3/1964	0.00	0.00	0.00	0.00	0.00	0.00

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
12/4/1964	0.28	0.00	0.00	0.00	0.00	0.00
12/5/1964	0.90	0.00	0.00	0.00	0.00	0.00
12/6/1964	0.57	0.00	0.00	0.00	0.00	0.00
12/7/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/8/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/9/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/10/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/11/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/12/1964	0.28	0.00	0.00	0.00	0.00	0.00
12/13/1964	0.03	0.00	0.00	0.00	0.00	0.00
12/14/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/15/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/16/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/17/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/18/1964	0.03	0.00	0.00	0.00	0.00	0.00
12/19/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/20/1964	0.21	0.00	0.00	0.00	0.00	0.00
12/21/1964	0.12	0.00	0.00	0.00	0.00	0.00
12/22/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/23/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/24/1964	0.01	0.00	0.00	0.00	0.00	0.00
12/25/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/26/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/27/1964	0.16	0.00	0.00	0.00	0.00	0.00
12/28/1964	0.94	0.00	0.00	0.00	0.00	0.00
12/29/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/30/1964	0.00	0.00	0.00	0.00	0.00	0.00
12/31/1964	0.00	0.00	0.00	0.00	0.00	0.00
1/1/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/2/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/3/1965	0.60	0.00	0.00	0.00	0.00	0.00
1/4/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/5/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/6/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/7/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/8/1965	0.33	0.00	0.00	0.00	0.00	0.00
1/9/1965	0.15	0.00	0.00	0.00	0.00	0.00
1/10/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/11/1965	0.28	0.00	0.00	0.00	0.00	0.00
1/12/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/13/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/14/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/15/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/16/1965	0.06	0.00	0.00	0.00	0.00	0.00
1/17/1965	0.12	0.00	0.00	0.00	0.00	0.00
1/18/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/19/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/20/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/21/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/22/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/23/1965	0.49	0.00	0.00	0.00	0.00	0.00
1/24/1965	1.27	0.00	0.00	0.00	0.00	0.00
1/25/1965	0.07	0.00	0.00	0.00	0.00	0.00
1/26/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/27/1965	0.08	0.00	0.00	0.00	0.00	0.00
1/28/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/29/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/30/1965	0.00	0.00	0.00	0.00	0.00	0.00
1/31/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/1/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/2/1965	0.05	0.00	0.00	0.00	0.00	0.00
2/3/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/4/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/5/1965	0.00	0.00	0.00	0.00	0.00	0.00

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
2/6/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/7/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/8/1965	0.00	0.00	0.00	0.00	0.00	0.00
2/9/1965	0.00	0.00	0.01	0.00	0.00	0.00
2/10/1965	0.06	0.00	0.01	0.00	0.00	0.00
2/11/1965	0.24	0.00	0.01	0.00	0.00	0.00
2/12/1965	0.00	0.00	0.01	0.00	0.00	0.00
2/13/1965	0.00	0.00	0.01	0.00	0.00	0.00
2/14/1965	0.00	0.00	0.01	0.00	0.00	0.00
2/15/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/16/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/17/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/18/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/19/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/20/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/21/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/22/1965	0.37	0.00	0.02	0.00	0.00	0.00
2/23/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/24/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/25/1965	0.24	0.00	0.02	0.00	0.00	0.00
2/26/1965	0.35	0.00	0.02	0.00	0.00	0.00
2/27/1965	0.00	0.00	0.02	0.00	0.00	0.00
2/28/1965	0.00	0.00	0.02	0.00	0.00	0.00
3/1/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/2/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/3/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/4/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/5/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/6/1965	0.71	0.03	0.02	0.03	0.14	0.21
3/7/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/8/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/9/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/10/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/11/1965	0.03	0.03	0.02	0.03	0.00	0.21
3/12/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/13/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/14/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/15/1965	0.15	0.03	0.02	0.03	0.02	0.21
3/16/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/17/1965	0.01	0.03	0.02	0.03	0.00	0.21
3/18/1965	0.23	0.03	0.02	0.03	0.04	0.21
3/19/1965	0.05	0.03	0.02	0.03	0.00	0.21
3/20/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/21/1965	0.23	0.03	0.02	0.03	0.04	0.21
3/22/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/23/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/24/1965	0.12	0.03	0.02	0.03	0.02	0.21
3/25/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/26/1965	0.11	0.03	0.02	0.03	0.01	0.21
3/27/1965	0.09	0.03	0.02	0.03	0.01	0.21
3/28/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/29/1965	0.00	0.03	0.02	0.03	0.00	0.21
3/30/1965	0.12	0.03	0.02	0.03	0.02	0.21
3/31/1965	0.00	0.03	0.02	0.03	0.00	0.21
4/1/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/2/1965	0.23	0.05	0.02	0.05	0.02	0.13
4/3/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/4/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/5/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/6/1965	0.00	0.05	0.01	0.05	0.00	0.13
4/7/1965	0.26	0.05	0.01	0.05	0.03	0.13
4/8/1965	0.07	0.05	0.01	0.05	0.00	0.13
4/9/1965	0.07	0.05	0.01	0.05	0.00	0.13
4/10/1965	0.00	0.05	0.01	0.05	0.00	0.13

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
4/11/1965	0.00	0.05	0.01	0.05	0.00	0.13
4/12/1965	0.49	0.05	0.01	0.05	0.06	0.13
4/13/1965	0.00	0.05	0.01	0.05	0.00	0.13
4/14/1965	0.00	0.05	0.01	0.05	0.00	0.13
4/15/1965	0.00	0.05	0.01	0.05	0.00	0.13
4/16/1965	0.39	0.05	0.01	0.05	0.04	0.13
4/17/1965	0.00	0.05	0.01	0.05	0.00	0.13
4/18/1965	0.01	0.05	0.01	0.05	0.00	0.13
4/19/1965	0.18	0.05	0.02	0.05	0.02	0.13
4/20/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/21/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/22/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/23/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/24/1965	0.06	0.05	0.02	0.05	0.00	0.13
4/25/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/26/1965	0.43	0.05	0.02	0.05	0.05	0.13
4/27/1965	0.06	0.05	0.02	0.05	0.00	0.13
4/28/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/29/1965	0.00	0.05	0.02	0.05	0.00	0.13
4/30/1965	0.00	0.05	0.02	0.05	0.00	0.13
5/1/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/2/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/3/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/4/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/5/1965	0.27	0.12	0.02	0.12	0.04	0.27
5/6/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/7/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/8/1965	0.37	0.12	0.02	0.12	0.07	0.27
5/9/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/10/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/11/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/12/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/13/1965	0.00	0.12	0.02	0.12	0.00	0.27
5/14/1965	0.04	0.12	0.01	0.12	0.00	0.27
5/15/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/16/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/17/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/18/1965	0.01	0.12	0.01	0.12	0.00	0.27
5/19/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/20/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/21/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/22/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/23/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/24/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/25/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/26/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/27/1965	0.00	0.12	0.01	0.12	0.00	0.27
5/28/1965	0.57	0.12	0.01	0.12	0.12	0.27
5/29/1965	0.19	0.12	0.01	0.12	0.02	0.27
5/30/1965	0.26	0.12	0.01	0.12	0.04	0.27
5/31/1965	0.00	0.12	0.01	0.12	0.00	0.27
6/1/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/2/1965	0.02	0.13	0.01	0.13	0.00	0.25
6/3/1965	0.63	0.13	0.01	0.13	0.12	0.25
6/4/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/5/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/6/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/7/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/8/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/9/1965	0.05	0.13	0.01	0.13	0.00	0.25
6/10/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/11/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/12/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/13/1965	0.00	0.13	0.01	0.13	0.00	0.25

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
6/14/1965	0.00	0.13	0.01	0.13	0.00	0.25
6/15/1965	0.01	0.13	0.00	0.13	0.00	0.25
6/16/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/17/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/18/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/19/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/20/1965	0.17	0.13	0.00	0.13	0.01	0.25
6/21/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/22/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/23/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/24/1965	0.15	0.13	0.00	0.13	0.00	0.25
6/25/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/26/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/27/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/28/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/29/1965	0.00	0.13	0.00	0.13	0.00	0.25
6/30/1965	0.00	0.13	0.00	0.13	0.00	0.25
7/1/1965	0.03	0.11	0.00	0.11	0.00	0.22
7/2/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/3/1965	0.05	0.11	0.00	0.11	0.00	0.22
7/4/1965	0.02	0.11	0.00	0.11	0.00	0.22
7/5/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/6/1965	0.05	0.11	0.00	0.11	0.00	0.22
7/7/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/8/1965	0.06	0.11	0.00	0.11	0.00	0.22
7/9/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/10/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/11/1965	0.18	0.11	0.00	0.11	0.02	0.22
7/12/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/13/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/14/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/15/1965	0.03	0.11	0.00	0.11	0.00	0.22
7/16/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/17/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/18/1965	0.83	0.11	0.00	0.11	0.16	0.22
7/19/1965	0.15	0.11	0.00	0.11	0.01	0.22
7/20/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/21/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/22/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/23/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/24/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/25/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/26/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/27/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/28/1965	0.31	0.11	0.00	0.11	0.04	0.22
7/29/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/30/1965	0.00	0.11	0.00	0.11	0.00	0.22
7/31/1965	0.00	0.11	0.00	0.11	0.00	0.22
8/1/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/2/1965	0.13	0.13	0.00	0.13	0.00	0.21
8/3/1965	0.95	0.13	0.00	0.13	0.17	0.21
8/4/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/5/1965	0.03	0.13	0.00	0.13	0.00	0.21
8/6/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/7/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/8/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/9/1965	0.17	0.13	0.00	0.13	0.01	0.21
8/10/1965	1.32	0.13	0.00	0.13	0.25	0.21
8/11/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/12/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/13/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/14/1965	0.04	0.13	0.00	0.13	0.00	0.21
8/15/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/16/1965	0.00	0.13	0.00	0.13	0.00	0.21

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
8/17/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/18/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/19/1965	0.86	0.13	0.00	0.13	0.16	0.21
8/20/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/21/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/22/1965	0.08	0.13	0.00	0.13	0.00	0.21
8/23/1965	0.02	0.13	0.00	0.13	0.00	0.21
8/24/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/25/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/26/1965	1.10	0.13	0.00	0.13	0.21	0.21
8/27/1965	0.10	0.13	0.00	0.13	0.00	0.21
8/28/1965	0.09	0.13	0.00	0.13	0.00	0.21
8/29/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/30/1965	0.00	0.13	0.00	0.13	0.00	0.21
8/31/1965	0.00	0.13	0.00	0.13	0.00	0.21
9/1/1965	0.06	0.09	0.00	0.09	0.00	0.21
9/2/1965	0.68	0.09	0.00	0.09	0.12	0.21
9/3/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/4/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/5/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/6/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/7/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/8/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/9/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/10/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/11/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/12/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/13/1965	0.03	0.09	0.00	0.09	0.00	0.21
9/14/1965	0.78	0.09	0.00	0.09	0.15	0.21
9/15/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/16/1965	0.44	0.09	0.00	0.09	0.07	0.21
9/17/1965	0.02	0.09	0.00	0.09	0.00	0.21
9/18/1965	0.09	0.09	0.00	0.09	0.00	0.21
9/19/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/20/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/21/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/22/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/23/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/24/1965	0.01	0.09	0.00	0.09	0.00	0.21
9/25/1965	1.39	0.09	0.00	0.09	0.27	0.21
9/26/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/27/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/28/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/29/1965	0.00	0.09	0.00	0.09	0.00	0.21
9/30/1965	0.00	0.09	0.00	0.09	0.00	0.21
10/1/1965	0.07	0.04	0.00	0.04	0.01	0.21
10/2/1965	0.84	0.04	0.00	0.04	0.17	0.21
10/3/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/4/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/5/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/6/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/7/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/8/1965	1.11	0.04	0.00	0.04	0.22	0.21
10/9/1965	0.01	0.04	0.00	0.04	0.00	0.21
10/10/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/11/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/12/1965	0.38	0.04	0.00	0.04	0.07	0.21
10/13/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/14/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/15/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/16/1965	0.45	0.04	0.00	0.04	0.08	0.21
10/17/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/18/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/19/1965	0.00	0.04	0.00	0.04	0.00	0.21

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
10/20/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/21/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/22/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/23/1965	0.01	0.04	0.00	0.04	0.00	0.21
10/24/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/25/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/26/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/27/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/28/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/29/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/30/1965	0.00	0.04	0.00	0.04	0.00	0.21
10/31/1965	0.00	0.04	0.00	0.04	0.00	0.21
11/1/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/2/1965	0.01	0.02	0.00	0.02	0.00	0.21
11/3/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/4/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/5/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/6/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/7/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/8/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/9/1965	0.14	0.02	0.00	0.02	0.02	0.21
11/10/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/11/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/12/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/13/1965	0.03	0.02	0.00	0.02	0.00	0.21
11/14/1965	0.06	0.02	0.00	0.02	0.01	0.21
11/15/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/16/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/17/1965	0.59	0.02	0.00	0.02	0.12	0.21
11/18/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/19/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/20/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/21/1965	0.08	0.02	0.00	0.02	0.01	0.21
11/22/1965	0.05	0.02	0.00	0.02	0.01	0.21
11/23/1965	0.51	0.02	0.00	0.02	0.10	0.21
11/24/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/25/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/26/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/27/1965	0.22	0.02	0.00	0.02	0.04	0.21
11/28/1965	0.15	0.02	0.00	0.02	0.03	0.21
11/29/1965	0.00	0.02	0.00	0.02	0.00	0.21
11/30/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/1/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/2/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/3/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/4/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/5/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/6/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/7/1965	0.04	0.02	0.00	0.02	0.00	0.21
12/8/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/9/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/10/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/11/1965	0.00	0.02	0.00	0.02	0.00	0.21
12/12/1965	0.53	0.02	0.00	0.02	0.11	0.21
12/13/1965	0.35	0.02	0.00	0.02	0.07	0.21
12/14/1965	0.50	0.02	0.00	0.02	0.10	0.21
12/15/1965	0.02	0.02	0.00	0.02	0.00	0.21
12/16/1965	0.02	0.02	0.00	0.02	0.00	0.21
12/17/1965	0.02	0.02	0.00	0.02	0.00	0.21
12/18/1965	0.02	0.02	0.01	0.02	0.00	0.21
12/19/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/20/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/21/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/22/1965	0.00	0.02	0.01	0.02	0.00	0.21

Date	INPUT					
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)	Runoff Ratio
	(inches)	(inches)	(inches)	(inches)	(inches)	Percent
12/23/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/24/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/25/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/26/1965	1.04	0.02	0.01	0.02	0.21	0.21
12/27/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/28/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/29/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/30/1965	0.00	0.02	0.01	0.02	0.00	0.21
12/31/1965	0.00	0.02	0.01	0.02	0.00	0.21

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/1/1963	0.00	0.01	0.02	0.01	0.00
1/2/1963	0.00	0.01	0.02	0.01	0.00
1/3/1963	0.00	0.01	0.01	0.01	0.00
1/4/1963	0.00	0.01	0.01	0.01	0.00
1/5/1963	0.00	0.01	0.01	0.01	0.00
1/6/1963	0.00	0.01	0.01	0.01	0.00
1/7/1963	0.00	0.01	0.01	0.01	0.00
1/8/1963	0.00	0.01	0.01	0.01	0.00
1/9/1963	0.00	0.01	0.01	0.01	0.00
1/10/1963	0.00	0.01	0.01	0.01	0.00
1/11/1963	0.00	0.01	0.01	0.01	0.00
1/12/1963	0.48	0.01	0.01	0.01	0.00
1/13/1963	0.57	0.01	0.01	0.01	0.00
1/14/1963	0.10	0.01	0.01	0.01	0.00
1/15/1963	0.00	0.01	0.01	0.01	0.00
1/16/1963	0.00	0.01	0.01	0.01	0.00
1/17/1963	0.00	0.01	0.01	0.01	0.00
1/18/1963	0.00	0.01	0.01	0.01	0.00
1/19/1963	0.01	0.01	0.01	0.01	0.00
1/20/1963	0.38	0.01	0.02	0.01	0.00
1/21/1963	0.00	0.01	0.02	0.01	0.00
1/22/1963	0.00	0.01	0.02	0.01	0.00
1/23/1963	0.00	0.01	0.02	0.01	0.00
1/24/1963	0.51	0.01	0.02	0.01	0.00
1/25/1963	0.00	0.01	0.02	0.01	0.00
1/26/1963	0.00	0.01	0.02	0.01	0.00
1/27/1963	1.11	0.01	0.02	0.01	0.00
1/28/1963	0.00	0.01	0.02	0.01	0.00
1/29/1963	0.00	0.01	0.02	0.01	0.00
1/30/1963	0.00	0.01	0.02	0.01	0.00
1/31/1963	0.02	0.01	0.02	0.01	0.00
2/1/1963	0.00	0.01	0.02	0.01	0.00
2/2/1963	0.00	0.01	0.02	0.01	0.00
2/3/1963	0.43	0.01	0.02	0.01	0.00
2/4/1963	0.00	0.01	0.02	0.01	0.00
2/5/1963	0.00	0.01	0.02	0.01	0.00
2/6/1963	0.00	0.01	0.02	0.01	0.00
2/7/1963	0.00	0.01	0.02	0.01	0.00
2/8/1963	0.00	0.01	0.02	0.01	0.00
2/9/1963	0.00	0.01	0.02	0.01	0.00
2/10/1963	0.01	0.01	0.02	0.01	0.00
2/11/1963	0.13	0.01	0.02	0.01	0.00
2/12/1963	0.40	0.01	0.02	0.01	0.00
2/13/1963	0.39	0.01	0.02	0.01	0.00
2/14/1963	0.00	0.01	0.02	0.01	0.00
2/15/1963	0.03	0.01	0.02	0.01	0.00
2/16/1963	0.00	0.01	0.02	0.01	0.00
2/17/1963	0.00	0.01	0.02	0.01	0.00
2/18/1963	0.00	0.01	0.02	0.01	0.00
2/19/1963	0.00	0.01	0.02	0.01	0.00
2/20/1963	0.81	0.01	0.02	0.01	0.00
2/21/1963	0.00	0.01	0.02	0.01	0.00
2/22/1963	0.00	0.01	0.02	0.01	0.00
2/23/1963	0.00	0.01	0.02	0.01	0.00
2/24/1963	0.00	0.01	0.02	0.01	0.00
2/25/1963	0.12	0.01	0.02	0.01	0.00
2/26/1963	0.00	0.01	0.02	0.01	0.00
2/27/1963	0.00	0.01	0.02	0.01	0.00
2/28/1963	0.00	0.01	0.02	0.01	0.00
3/1/1963	0.00	0.03	0.02	0.03	0.00
3/2/1963	0.85	0.03	0.02	0.03	0.63
3/3/1963	0.00	0.03	0.02	0.03	0.00
3/4/1963	0.00	0.03	0.02	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/5/1963	0.00	0.03	0.02	0.03	0.00
3/6/1963	0.27	0.03	0.02	0.03	0.18
3/7/1963	0.50	0.03	0.02	0.03	0.35
3/8/1963	0.00	0.03	0.02	0.03	0.00
3/9/1963	0.00	0.03	0.02	0.03	0.00
3/10/1963	0.00	0.03	0.02	0.03	0.00
3/11/1963	0.00	0.03	0.02	0.03	0.00
3/12/1963	0.64	0.03	0.02	0.03	0.46
3/13/1963	0.05	0.03	0.02	0.03	0.00
3/14/1963	0.19	0.03	0.02	0.03	0.10
3/15/1963	0.00	0.03	0.03	0.03	0.00
3/16/1963	0.00	0.03	0.03	0.03	0.00
3/17/1963	0.19	0.03	0.03	0.03	0.10
3/18/1963	0.00	0.03	0.04	0.03	0.00
3/19/1963	0.00	0.03	0.04	0.03	0.00
3/20/1963	0.47	0.03	0.05	0.03	0.31
3/21/1963	0.20	0.03	0.05	0.03	0.09
3/22/1963	0.00	0.03	0.05	0.03	0.00
3/23/1963	0.00	0.03	0.05	0.03	0.00
3/24/1963	0.00	0.03	0.05	0.03	0.00
3/25/1963	0.00	0.03	0.06	0.03	0.00
3/26/1963	0.00	0.03	0.06	0.03	0.00
3/27/1963	0.21	0.03	0.07	0.03	0.09
3/28/1963	0.00	0.03	0.07	0.03	0.00
3/29/1963	0.00	0.03	0.08	0.03	0.00
3/30/1963	0.00	0.03	0.08	0.03	0.00
3/31/1963	0.00	0.03	0.08	0.03	0.00
4/1/1963	0.00	0.06	0.08	0.06	0.00
4/2/1963	0.05	0.06	0.08	0.06	0.00
4/3/1963	0.00	0.06	0.08	0.06	0.00
4/4/1963	0.00	0.06	0.08	0.06	0.00
4/5/1963	0.00	0.06	0.08	0.06	0.00
4/6/1963	0.00	0.06	0.08	0.06	0.00
4/7/1963	0.00	0.06	0.07	0.06	0.00
4/8/1963	0.00	0.06	0.07	0.06	0.00
4/9/1963	0.00	0.06	0.06	0.06	0.00
4/10/1963	0.07	0.06	0.06	0.06	0.00
4/11/1963	0.00	0.06	0.06	0.06	0.00
4/12/1963	0.00	0.06	0.05	0.06	0.00
4/13/1963	0.00	0.06	0.05	0.06	0.00
4/14/1963	0.00	0.06	0.04	0.06	0.00
4/15/1963	0.00	0.06	0.04	0.06	0.00
4/16/1963	0.00	0.06	0.04	0.06	0.00
4/17/1963	0.00	0.06	0.04	0.06	0.00
4/18/1963	0.24	0.06	0.04	0.06	0.08
4/19/1963	0.01	0.06	0.04	0.06	0.00
4/20/1963	0.05	0.06	0.03	0.06	0.00
4/21/1963	0.00	0.06	0.03	0.06	0.00
4/22/1963	0.00	0.06	0.03	0.06	0.00
4/23/1963	0.11	0.06	0.03	0.06	0.01
4/24/1963	0.16	0.06	0.03	0.06	0.04
4/25/1963	0.00	0.06	0.03	0.06	0.00
4/26/1963	0.00	0.06	0.03	0.06	0.00
4/27/1963	0.00	0.06	0.03	0.06	0.00
4/28/1963	0.00	0.06	0.02	0.06	0.00
4/29/1963	0.00	0.06	0.02	0.06	0.00
4/30/1963	0.11	0.06	0.02	0.06	0.02
5/1/1963	0.12	0.10	0.02	0.10	0.00
5/2/1963	0.05	0.10	0.02	0.10	0.00
5/3/1963	0.00	0.10	0.02	0.10	0.00
5/4/1963	0.00	0.10	0.02	0.10	0.00
5/5/1963	0.00	0.10	0.02	0.10	0.00
5/6/1963	0.00	0.10	0.02	0.10	0.00
5/7/1963	0.00	0.10	0.02	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/8/1963	0.00	0.10	0.02	0.10	0.00
5/9/1963	0.00	0.10	0.02	0.10	0.00
5/10/1963	0.15	0.10	0.02	0.10	0.02
5/11/1963	0.35	0.10	0.02	0.10	0.12
5/12/1963	0.00	0.10	0.02	0.10	0.00
5/13/1963	0.00	0.10	0.02	0.10	0.00
5/14/1963	0.07	0.10	0.02	0.10	0.00
5/15/1963	0.49	0.10	0.02	0.10	0.19
5/16/1963	0.00	0.10	0.02	0.10	0.00
5/17/1963	0.00	0.10	0.02	0.10	0.00
5/18/1963	0.02	0.10	0.02	0.10	0.00
5/19/1963	0.23	0.10	0.02	0.10	0.05
5/20/1963	0.00	0.10	0.02	0.10	0.00
5/21/1963	0.05	0.10	0.02	0.10	0.00
5/22/1963	0.06	0.10	0.02	0.10	0.00
5/23/1963	0.00	0.10	0.02	0.10	0.00
5/24/1963	0.00	0.10	0.02	0.10	0.00
5/25/1963	0.00	0.10	0.02	0.10	0.00
5/26/1963	0.00	0.10	0.02	0.10	0.00
5/27/1963	0.00	0.10	0.02	0.10	0.00
5/28/1963	0.00	0.10	0.02	0.10	0.00
5/29/1963	0.00	0.10	0.01	0.10	0.00
5/30/1963	0.03	0.10	0.01	0.10	0.00
5/31/1963	0.00	0.10	0.01	0.10	0.00
6/1/1963	0.00	0.15	0.01	0.15	0.00
6/2/1963	0.00	0.15	0.01	0.15	0.00
6/3/1963	0.00	0.15	0.01	0.15	0.00
6/4/1963	0.00	0.15	0.01	0.15	0.00
6/5/1963	0.00	0.15	0.01	0.15	0.00
6/6/1963	0.00	0.15	0.01	0.15	0.00
6/7/1963	0.00	0.15	0.01	0.15	0.00
6/8/1963	0.26	0.15	0.01	0.15	0.03
6/9/1963	0.00	0.15	0.01	0.15	0.00
6/10/1963	0.12	0.15	0.01	0.15	0.00
6/11/1963	0.21	0.15	0.01	0.15	0.01
6/12/1963	0.66	0.15	0.01	0.15	0.12
6/13/1963	0.00	0.15	0.01	0.15	0.00
6/14/1963	0.00	0.15	0.01	0.15	0.00
6/15/1963	0.90	0.15	0.01	0.15	0.18
6/16/1963	0.10	0.15	0.01	0.15	0.00
6/17/1963	0.00	0.15	0.01	0.15	0.00
6/18/1963	0.00	0.15	0.01	0.15	0.00
6/19/1963	0.00	0.15	0.01	0.15	0.00
6/20/1963	0.00	0.15	0.01	0.15	0.00
6/21/1963	0.94	0.15	0.01	0.15	0.19
6/22/1963	0.00	0.15	0.01	0.15	0.00
6/23/1963	0.00	0.15	0.01	0.15	0.00
6/24/1963	0.00	0.15	0.01	0.15	0.00
6/25/1963	0.00	0.15	0.01	0.15	0.00
6/26/1963	0.00	0.15	0.01	0.15	0.00
6/27/1963	0.00	0.15	0.01	0.15	0.00
6/28/1963	0.00	0.15	0.01	0.15	0.00
6/29/1963	0.04	0.15	0.01	0.15	0.00
6/30/1963	1.68	0.15	0.01	0.15	0.37
7/1/1963	0.00	0.17	0.01	0.17	0.00
7/2/1963	0.00	0.17	0.01	0.17	0.00
7/3/1963	0.64	0.17	0.01	0.17	0.10
7/4/1963	0.00	0.17	0.01	0.17	0.00
7/5/1963	0.00	0.17	0.01	0.17	0.00
7/6/1963	0.00	0.17	0.01	0.17	0.00
7/7/1963	0.00	0.17	0.01	0.17	0.00
7/8/1963	1.19	0.17	0.01	0.17	0.23
7/9/1963	0.02	0.17	0.01	0.17	0.00
7/10/1963	0.00	0.17	0.01	0.17	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/11/1963	0.00	0.17	0.01	0.17	0.00
7/12/1963	0.00	0.17	0.01	0.17	0.00
7/13/1963	0.00	0.17	0.01	0.17	0.00
7/14/1963	0.00	0.17	0.01	0.17	0.00
7/15/1963	0.37	0.17	0.01	0.17	0.04
7/16/1963	0.04	0.17	0.01	0.17	0.00
7/17/1963	0.25	0.17	0.01	0.17	0.02
7/18/1963	0.00	0.17	0.01	0.17	0.00
7/19/1963	0.00	0.17	0.01	0.17	0.00
7/20/1963	0.98	0.17	0.01	0.17	0.18
7/21/1963	0.61	0.17	0.01	0.17	0.10
7/22/1963	0.28	0.17	0.01	0.17	0.02
7/23/1963	0.00	0.17	0.01	0.17	0.00
7/24/1963	0.00	0.17	0.01	0.17	0.00
7/25/1963	0.00	0.17	0.01	0.17	0.00
7/26/1963	0.00	0.17	0.01	0.17	0.00
7/27/1963	0.00	0.17	0.01	0.17	0.00
7/28/1963	0.00	0.17	0.01	0.17	0.00
7/29/1963	0.06	0.17	0.01	0.17	0.00
7/30/1963	0.42	0.17	0.01	0.17	0.06
7/31/1963	0.00	0.17	0.01	0.17	0.00
8/1/1963	0.00	0.11	0.01	0.11	0.00
8/2/1963	0.71	0.11	0.01	0.11	0.13
8/3/1963	0.00	0.11	0.01	0.11	0.00
8/4/1963	0.00	0.11	0.01	0.11	0.00
8/5/1963	0.00	0.11	0.01	0.11	0.00
8/6/1963	0.00	0.11	0.01	0.11	0.00
8/7/1963	0.00	0.11	0.01	0.11	0.00
8/8/1963	0.23	0.11	0.01	0.11	0.02
8/9/1963	0.00	0.11	0.01	0.11	0.00
8/10/1963	0.00	0.11	0.01	0.11	0.00
8/11/1963	0.00	0.11	0.01	0.11	0.00
8/12/1963	0.27	0.11	0.01	0.11	0.03
8/13/1963	0.00	0.11	0.01	0.11	0.00
8/14/1963	0.37	0.11	0.01	0.11	0.06
8/15/1963	0.00	0.11	0.01	0.11	0.00
8/16/1963	0.00	0.11	0.01	0.11	0.00
8/17/1963	0.00	0.11	0.01	0.11	0.00
8/18/1963	0.95	0.11	0.01	0.11	0.18
8/19/1963	0.00	0.11	0.01	0.11	0.00
8/20/1963	0.41	0.11	0.00	0.11	0.06
8/21/1963	0.00	0.11	0.00	0.11	0.00
8/22/1963	0.00	0.11	0.00	0.11	0.00
8/23/1963	0.00	0.11	0.00	0.11	0.00
8/24/1963	0.00	0.11	0.00	0.11	0.00
8/25/1963	0.00	0.11	0.00	0.11	0.00
8/26/1963	0.00	0.11	0.00	0.11	0.00
8/27/1963	0.00	0.11	0.00	0.11	0.00
8/28/1963	0.00	0.11	0.00	0.11	0.00
8/29/1963	0.00	0.11	0.00	0.11	0.00
8/30/1963	0.00	0.11	0.00	0.11	0.00
8/31/1963	0.00	0.11	0.00	0.11	0.00
9/1/1963	0.00	0.08	0.00	0.08	0.00
9/2/1963	0.00	0.08	0.00	0.08	0.00
9/3/1963	0.00	0.08	0.00	0.08	0.00
9/4/1963	0.04	0.08	0.00	0.08	0.00
9/5/1963	0.00	0.08	0.00	0.08	0.00
9/6/1963	0.01	0.08	0.00	0.08	0.00
9/7/1963	0.00	0.08	0.00	0.08	0.00
9/8/1963	0.00	0.08	0.00	0.08	0.00
9/9/1963	0.00	0.08	0.00	0.08	0.00
9/10/1963	0.00	0.08	0.00	0.08	0.00
9/11/1963	0.00	0.08	0.00	0.08	0.00
9/12/1963	0.00	0.08	0.00	0.08	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/13/1963	0.28	0.08	0.00	0.08	0.04
9/14/1963	0.00	0.08	0.00	0.08	0.00
9/15/1963	0.00	0.08	0.00	0.08	0.00
9/16/1963	0.02	0.08	0.00	0.08	0.00
9/17/1963	0.20	0.08	0.00	0.08	0.03
9/18/1963	0.01	0.08	0.00	0.08	0.00
9/19/1963	0.00	0.08	0.00	0.08	0.00
9/20/1963	0.04	0.08	0.00	0.08	0.00
9/21/1963	1.23	0.08	0.00	0.08	0.25
9/22/1963	0.00	0.08	0.00	0.08	0.00
9/23/1963	0.00	0.08	0.00	0.08	0.00
9/24/1963	0.00	0.08	0.00	0.08	0.00
9/25/1963	0.00	0.08	0.00	0.08	0.00
9/26/1963	0.00	0.08	0.00	0.08	0.00
9/27/1963	0.00	0.08	0.00	0.08	0.00
9/28/1963	0.00	0.08	0.00	0.08	0.00
9/29/1963	0.50	0.08	0.00	0.08	0.09
9/30/1963	1.08	0.08	0.00	0.08	0.21
10/1/1963	0.00	0.03	0.00	0.03	0.00
10/2/1963	0.00	0.03	0.00	0.03	0.00
10/3/1963	0.00	0.03	0.00	0.03	0.00
10/4/1963	0.03	0.03	0.00	0.03	0.00
10/5/1963	0.00	0.03	0.00	0.03	0.00
10/6/1963	0.00	0.03	0.00	0.03	0.00
10/7/1963	0.00	0.03	0.00	0.03	0.00
10/8/1963	0.00	0.03	0.00	0.03	0.00
10/9/1963	0.00	0.03	0.00	0.03	0.00
10/10/1963	0.00	0.03	0.00	0.03	0.00
10/11/1963	0.00	0.03	0.00	0.03	0.00
10/12/1963	0.00	0.03	0.00	0.03	0.00
10/13/1963	0.00	0.03	0.00	0.03	0.00
10/14/1963	0.00	0.03	0.00	0.03	0.00
10/15/1963	0.00	0.03	0.00	0.03	0.00
10/16/1963	0.00	0.03	0.00	0.03	0.00
10/17/1963	0.00	0.03	0.00	0.03	0.00
10/18/1963	0.00	0.03	0.00	0.03	0.00
10/19/1963	0.00	0.03	0.00	0.03	0.00
10/20/1963	0.00	0.03	0.00	0.03	0.00
10/21/1963	0.00	0.03	0.00	0.03	0.00
10/22/1963	0.00	0.03	0.00	0.03	0.00
10/23/1963	0.00	0.03	0.00	0.03	0.00
10/24/1963	0.00	0.03	0.00	0.03	0.00
10/25/1963	0.00	0.03	0.00	0.03	0.00
10/26/1963	0.00	0.03	0.00	0.03	0.00
10/27/1963	0.00	0.03	0.00	0.03	0.00
10/28/1963	0.06	0.03	0.00	0.03	0.01
10/29/1963	0.00	0.03	0.00	0.03	0.00
10/30/1963	0.00	0.03	0.00	0.03	0.00
10/31/1963	0.00	0.03	0.00	0.03	0.00
11/1/1963	0.03	0.03	0.00	0.03	0.00
11/2/1963	0.32	0.03	0.00	0.03	0.05
11/3/1963	0.03	0.03	0.00	0.03	0.00
11/4/1963	0.00	0.03	0.00	0.03	0.00
11/5/1963	0.00	0.03	0.00	0.03	0.00
11/6/1963	0.50	0.03	0.00	0.03	0.09
11/7/1963	1.22	0.03	0.00	0.03	0.22
11/8/1963	2.71	0.03	0.00	0.03	0.50
11/9/1963	0.45	0.03	0.00	0.03	0.08
11/10/1963	0.00	0.03	0.00	0.03	0.00
11/11/1963	0.45	0.03	0.00	0.03	0.08
11/12/1963	0.03	0.03	0.00	0.03	0.00
11/13/1963	0.00	0.03	0.00	0.03	0.00
11/14/1963	0.00	0.03	0.00	0.03	0.00
11/15/1963	0.00	0.03	0.01	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/16/1963	0.00	0.03	0.01	0.03	0.00
11/17/1963	0.00	0.03	0.01	0.03	0.00
11/18/1963	0.00	0.03	0.01	0.03	0.00
11/19/1963	0.00	0.03	0.01	0.03	0.00
11/20/1963	0.00	0.03	0.01	0.03	0.00
11/21/1963	0.00	0.03	0.01	0.03	0.00
11/22/1963	0.00	0.03	0.01	0.03	0.00
11/23/1963	0.00	0.03	0.01	0.03	0.00
11/24/1963	0.83	0.03	0.01	0.03	0.15
11/25/1963	0.00	0.03	0.01	0.03	0.00
11/26/1963	0.00	0.03	0.01	0.03	0.00
11/27/1963	0.00	0.03	0.01	0.03	0.00
11/28/1963	0.00	0.03	0.01	0.03	0.00
11/29/1963	0.00	0.03	0.01	0.03	0.00
11/30/1963	1.15	0.03	0.01	0.03	0.21
12/1/1963	0.00	0.01	0.01	0.01	0.00
12/2/1963	0.00	0.01	0.01	0.01	0.00
12/3/1963	0.10	0.01	0.01	0.01	0.00
12/4/1963	0.01	0.01	0.01	0.01	0.00
12/5/1963	0.00	0.01	0.01	0.01	0.00
12/6/1963	0.00	0.01	0.01	0.01	0.00
12/7/1963	0.00	0.01	0.01	0.01	0.00
12/8/1963	0.00	0.01	0.01	0.01	0.00
12/9/1963	1.11	0.01	0.01	0.01	0.05
12/10/1963	0.00	0.01	0.01	0.01	0.00
12/11/1963	0.00	0.01	0.01	0.01	0.00
12/12/1963	0.16	0.01	0.01	0.01	0.01
12/13/1963	0.13	0.01	0.01	0.01	0.01
12/14/1963	0.00	0.01	0.01	0.01	0.00
12/15/1963	0.00	0.01	0.01	0.01	0.00
12/16/1963	0.00	0.01	0.01	0.01	0.00
12/17/1963	0.00	0.01	0.01	0.01	0.00
12/18/1963	0.01	0.01	0.01	0.01	0.00
12/19/1963	0.13	0.01	0.01	0.01	0.01
12/20/1963	0.00	0.01	0.01	0.01	0.00
12/21/1963	0.00	0.01	0.01	0.01	0.00
12/22/1963	0.00	0.01	0.01	0.01	0.00
12/23/1963	0.00	0.01	0.01	0.01	0.00
12/24/1963	0.49	0.01	0.01	0.01	0.02
12/25/1963	0.03	0.01	0.01	0.01	0.00
12/26/1963	0.00	0.01	0.01	0.01	0.00
12/27/1963	0.00	0.01	0.01	0.01	0.00
12/28/1963	0.10	0.01	0.01	0.01	0.00
12/29/1963	0.00	0.01	0.01	0.01	0.00
12/30/1963	0.00	0.01	0.01	0.01	0.00
12/31/1963	0.00	0.01	0.01	0.01	0.00
1/1/1964	0.00	0.01	0.01	0.01	0.00
1/2/1964	0.51	0.01	0.01	0.01	0.01
1/3/1964	0.00	0.01	0.01	0.01	0.00
1/4/1964	0.00	0.01	0.01	0.01	0.00
1/5/1964	0.00	0.01	0.01	0.01	0.00
1/6/1964	0.00	0.01	0.01	0.01	0.00
1/7/1964	0.03	0.01	0.01	0.01	0.00
1/8/1964	0.00	0.01	0.01	0.01	0.00
1/9/1964	0.00	0.01	0.01	0.01	0.00
1/10/1964	0.56	0.01	0.01	0.01	0.01
1/11/1964	0.00	0.01	0.01	0.01	0.00
1/12/1964	0.00	0.01	0.01	0.01	0.00
1/13/1964	0.22	0.01	0.01	0.01	0.00
1/14/1964	0.79	0.01	0.01	0.01	0.01
1/15/1964	0.00	0.01	0.01	0.01	0.00
1/16/1964	0.00	0.01	0.01	0.01	0.00
1/17/1964	0.00	0.01	0.01	0.01	0.00
1/18/1964	0.00	0.01	0.01	0.01	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/19/1964	0.00	0.01	0.01	0.01	0.00
1/20/1964	0.00	0.01	0.01	0.01	0.00
1/21/1964	0.91	0.01	0.01	0.01	0.01
1/22/1964	0.00	0.01	0.01	0.01	0.00
1/23/1964	0.00	0.01	0.02	0.01	0.00
1/24/1964	0.00	0.01	0.02	0.01	0.00
1/25/1964	0.16	0.01	0.02	0.01	0.00
1/26/1964	0.16	0.01	0.03	0.01	0.00
1/27/1964	0.00	0.01	0.03	0.01	0.00
1/28/1964	0.17	0.01	0.03	0.01	0.00
1/29/1964	0.17	0.01	0.03	0.01	0.00
1/30/1964	0.00	0.01	0.03	0.01	0.00
1/31/1964	0.00	0.01	0.04	0.01	0.00
2/1/1964	0.17	0.01	0.04	0.01	0.00
2/2/1964	0.11	0.01	0.04	0.01	0.00
2/3/1964	0.00	0.01	0.04	0.01	0.00
2/4/1964	0.00	0.01	0.04	0.01	0.00
2/5/1964	0.00	0.01	0.04	0.01	0.00
2/6/1964	0.00	0.01	0.04	0.01	0.00
2/7/1964	0.96	0.01	0.04	0.01	0.00
2/8/1964	0.00	0.01	0.04	0.01	0.00
2/9/1964	0.00	0.01	0.04	0.01	0.00
2/10/1964	0.00	0.01	0.04	0.01	0.00
2/11/1964	0.00	0.01	0.04	0.01	0.00
2/12/1964	0.00	0.01	0.03	0.01	0.00
2/13/1964	0.00	0.01	0.03	0.01	0.00
2/14/1964	0.04	0.01	0.03	0.01	0.00
2/15/1964	0.00	0.01	0.03	0.01	0.00
2/16/1964	0.65	0.01	0.03	0.01	0.00
2/17/1964	0.18	0.01	0.03	0.01	0.00
2/18/1964	0.00	0.01	0.03	0.01	0.00
2/19/1964	0.48	0.01	0.03	0.01	0.00
2/20/1964	0.61	0.01	0.03	0.01	0.00
2/21/1964	0.00	0.01	0.03	0.01	0.00
2/22/1964	0.00	0.01	0.03	0.01	0.00
2/23/1964	0.00	0.01	0.02	0.01	0.00
2/24/1964	0.00	0.01	0.02	0.01	0.00
2/25/1964	0.00	0.01	0.02	0.01	0.00
2/26/1964	0.00	0.01	0.02	0.01	0.00
2/27/1964	0.00	0.01	0.02	0.01	0.00
2/28/1964	0.00	0.01	0.02	0.01	0.00
2/29/1964	0.13	0.01	0.02	0.01	0.00
3/1/1964	0.00	0.03	0.02	0.03	0.00
3/2/1964	0.06	0.03	0.02	0.03	0.01
3/3/1964	0.00	0.03	0.02	0.03	0.00
3/4/1964	0.00	0.03	0.02	0.03	0.00
3/5/1964	0.02	0.03	0.02	0.03	0.00
3/6/1964	0.00	0.03	0.03	0.03	0.00
3/7/1964	0.00	0.03	0.03	0.03	0.00
3/8/1964	0.00	0.03	0.03	0.03	0.00
3/9/1964	0.31	0.03	0.03	0.03	0.24
3/10/1964	0.57	0.03	0.03	0.03	0.50
3/11/1964	0.58	0.03	0.04	0.03	0.51
3/12/1964	0.01	0.03	0.04	0.03	0.00
3/13/1964	0.11	0.03	0.04	0.03	0.03
3/14/1964	0.00	0.03	0.05	0.03	0.00
3/15/1964	0.08	0.03	0.05	0.03	0.00
3/16/1964	0.00	0.03	0.05	0.03	0.00
3/17/1964	0.00	0.03	0.05	0.03	0.00
3/18/1964	0.12	0.03	0.05	0.03	0.04
3/19/1964	0.00	0.03	0.05	0.03	0.00
3/20/1964	0.00	0.03	0.05	0.03	0.00
3/21/1964	0.00	0.03	0.05	0.03	0.00
3/22/1964	0.00	0.03	0.05	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/23/1964	0.00	0.03	0.05	0.03	0.00
3/24/1964	0.00	0.03	0.05	0.03	0.00
3/25/1964	0.00	0.03	0.05	0.03	0.00
3/26/1964	0.00	0.03	0.05	0.03	0.00
3/27/1964	0.04	0.03	0.05	0.03	0.00
3/28/1964	0.00	0.03	0.04	0.03	0.00
3/29/1964	0.33	0.03	0.04	0.03	0.25
3/30/1964	0.00	0.03	0.04	0.03	0.00
3/31/1964	0.00	0.03	0.04	0.03	0.00
4/1/1964	0.00	0.05	0.04	0.05	0.00
4/2/1964	0.00	0.05	0.04	0.05	0.00
4/3/1964	0.23	0.05	0.04	0.05	0.01
4/4/1964	0.02	0.05	0.04	0.05	0.00
4/5/1964	0.00	0.05	0.04	0.05	0.00
4/6/1964	0.00	0.05	0.04	0.05	0.00
4/7/1964	1.20	0.05	0.04	0.05	0.09
4/8/1964	0.15	0.05	0.04	0.05	0.00
4/9/1964	0.26	0.05	0.04	0.05	0.01
4/10/1964	0.00	0.05	0.04	0.05	0.00
4/11/1964	0.00	0.05	0.04	0.05	0.00
4/12/1964	0.00	0.05	0.04	0.05	0.00
4/13/1964	0.00	0.05	0.04	0.05	0.00
4/14/1964	0.19	0.05	0.04	0.05	0.01
4/15/1964	0.88	0.05	0.04	0.05	0.06
4/16/1964	0.00	0.05	0.04	0.05	0.00
4/17/1964	0.00	0.05	0.04	0.05	0.00
4/18/1964	0.00	0.05	0.04	0.05	0.00
4/19/1964	0.44	0.05	0.04	0.05	0.03
4/20/1964	0.16	0.05	0.04	0.05	0.00
4/21/1964	0.33	0.05	0.04	0.05	0.02
4/22/1964	0.05	0.05	0.04	0.05	0.00
4/23/1964	0.01	0.05	0.04	0.05	0.00
4/24/1964	0.00	0.05	0.04	0.05	0.00
4/25/1964	0.00	0.05	0.04	0.05	0.00
4/26/1964	0.00	0.05	0.04	0.05	0.00
4/27/1964	0.00	0.05	0.04	0.05	0.00
4/28/1964	0.04	0.05	0.04	0.05	0.00
4/29/1964	0.05	0.05	0.04	0.05	0.00
4/30/1964	0.09	0.05	0.04	0.05	0.00
5/1/1964	0.03	0.11	0.04	0.11	0.00
5/2/1964	0.00	0.11	0.04	0.11	0.00
5/3/1964	0.00	0.11	0.04	0.11	0.00
5/4/1964	0.00	0.11	0.04	0.11	0.00
5/5/1964	0.00	0.11	0.04	0.11	0.00
5/6/1964	0.00	0.11	0.04	0.11	0.00
5/7/1964	0.00	0.11	0.03	0.11	0.00
5/8/1964	0.00	0.11	0.03	0.11	0.00
5/9/1964	0.00	0.11	0.03	0.11	0.00
5/10/1964	0.00	0.11	0.03	0.11	0.00
5/11/1964	0.00	0.11	0.03	0.11	0.00
5/12/1964	0.00	0.11	0.03	0.11	0.00
5/13/1964	0.00	0.11	0.02	0.11	0.00
5/14/1964	0.22	0.11	0.02	0.11	0.07
5/15/1964	1.02	0.11	0.02	0.11	0.80
5/16/1964	0.00	0.11	0.02	0.11	0.00
5/17/1964	0.00	0.11	0.02	0.11	0.00
5/18/1964	0.00	0.11	0.02	0.11	0.00
5/19/1964	0.00	0.11	0.02	0.11	0.00
5/20/1964	0.43	0.11	0.02	0.11	0.27
5/21/1964	0.00	0.11	0.02	0.11	0.00
5/22/1964	0.00	0.11	0.02	0.11	0.00
5/23/1964	0.00	0.11	0.02	0.11	0.00
5/24/1964	0.00	0.11	0.02	0.11	0.00
5/25/1964	0.00	0.11	0.02	0.11	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/26/1964	0.00	0.11	0.01	0.11	0.00
5/27/1964	0.00	0.11	0.01	0.11	0.00
5/28/1964	0.00	0.11	0.01	0.11	0.00
5/29/1964	0.00	0.11	0.01	0.11	0.00
5/30/1964	0.00	0.11	0.01	0.11	0.00
5/31/1964	0.00	0.11	0.01	0.11	0.00
6/1/1964	0.00	0.14	0.01	0.14	0.00
6/2/1964	0.04	0.14	0.01	0.14	0.00
6/3/1964	0.00	0.14	0.01	0.14	0.00
6/4/1964	0.49	0.14	0.01	0.14	0.12
6/5/1964	0.00	0.14	0.01	0.14	0.00
6/6/1964	0.00	0.14	0.01	0.14	0.00
6/7/1964	0.26	0.14	0.01	0.14	0.04
6/8/1964	1.50	0.14	0.01	0.14	0.45
6/9/1964	0.01	0.14	0.01	0.14	0.00
6/10/1964	0.00	0.14	0.01	0.14	0.00
6/11/1964	0.00	0.14	0.01	0.14	0.00
6/12/1964	0.00	0.14	0.01	0.14	0.00
6/13/1964	0.00	0.14	0.01	0.14	0.00
6/14/1964	0.02	0.14	0.01	0.14	0.00
6/15/1964	0.00	0.14	0.01	0.14	0.00
6/16/1964	0.27	0.14	0.01	0.14	0.04
6/17/1964	0.00	0.14	0.01	0.14	0.00
6/18/1964	0.00	0.14	0.01	0.14	0.00
6/19/1964	0.00	0.14	0.01	0.14	0.00
6/20/1964	0.04	0.14	0.01	0.14	0.00
6/21/1964	0.00	0.14	0.01	0.14	0.00
6/22/1964	0.00	0.14	0.01	0.14	0.00
6/23/1964	0.01	0.14	0.01	0.14	0.00
6/24/1964	0.00	0.14	0.01	0.14	0.00
6/25/1964	0.93	0.14	0.01	0.14	0.26
6/26/1964	0.00	0.14	0.01	0.14	0.00
6/27/1964	0.00	0.14	0.01	0.14	0.00
6/28/1964	0.00	0.14	0.01	0.14	0.00
6/29/1964	0.00	0.14	0.01	0.14	0.00
6/30/1964	0.00	0.14	0.01	0.14	0.00
7/1/1964	0.00	0.14	0.00	0.14	0.00
7/2/1964	0.00	0.14	0.00	0.14	0.00
7/3/1964	0.00	0.14	0.00	0.14	0.00
7/4/1964	0.00	0.14	0.00	0.14	0.00
7/5/1964	0.27	0.14	0.00	0.14	0.03
7/6/1964	0.02	0.14	0.00	0.14	0.00
7/7/1964	0.00	0.14	0.00	0.14	0.00
7/8/1964	0.00	0.14	0.00	0.14	0.00
7/9/1964	0.56	0.14	0.00	0.14	0.12
7/10/1964	0.42	0.14	0.00	0.14	0.08
7/11/1964	0.19	0.14	0.00	0.14	0.01
7/12/1964	0.00	0.14	0.00	0.14	0.00
7/13/1964	0.00	0.14	0.00	0.14	0.00
7/14/1964	0.04	0.14	0.00	0.14	0.00
7/15/1964	0.01	0.14	0.00	0.14	0.00
7/16/1964	0.00	0.14	0.00	0.14	0.00
7/17/1964	0.00	0.14	0.00	0.14	0.00
7/18/1964	0.00	0.14	0.00	0.14	0.00
7/19/1964	0.00	0.14	0.00	0.14	0.00
7/20/1964	0.07	0.14	0.00	0.14	0.00
7/21/1964	0.00	0.14	0.00	0.14	0.00
7/22/1964	0.00	0.14	0.00	0.14	0.00
7/23/1964	0.18	0.14	0.00	0.14	0.01
7/24/1964	0.07	0.14	0.00	0.14	0.00
7/25/1964	0.00	0.14	0.00	0.14	0.00
7/26/1964	0.00	0.14	0.00	0.14	0.00
7/27/1964	0.00	0.14	0.00	0.14	0.00
7/28/1964	0.00	0.14	0.00	0.14	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/29/1964	0.00	0.14	0.00	0.14	0.00
7/30/1964	0.24	0.14	0.00	0.14	0.03
7/31/1964	0.00	0.14	0.00	0.14	0.00
8/1/1964	0.00	0.08	0.00	0.08	0.00
8/2/1964	0.00	0.08	0.00	0.08	0.00
8/3/1964	0.04	0.08	0.00	0.08	0.00
8/4/1964	0.00	0.08	0.00	0.08	0.00
8/5/1964	0.00	0.08	0.00	0.08	0.00
8/6/1964	0.38	0.08	0.00	0.08	0.07
8/7/1964	0.00	0.08	0.00	0.08	0.00
8/8/1964	0.00	0.08	0.00	0.08	0.00
8/9/1964	0.00	0.08	0.00	0.08	0.00
8/10/1964	0.00	0.08	0.00	0.08	0.00
8/11/1964	0.00	0.08	0.00	0.08	0.00
8/12/1964	0.19	0.08	0.00	0.08	0.03
8/13/1964	1.01	0.08	0.00	0.08	0.23
8/14/1964	0.00	0.08	0.00	0.08	0.00
8/15/1964	0.00	0.08	0.00	0.08	0.00
8/16/1964	0.00	0.08	0.00	0.08	0.00
8/17/1964	0.00	0.08	0.00	0.08	0.00
8/18/1964	0.00	0.08	0.00	0.08	0.00
8/19/1964	0.11	0.08	0.00	0.08	0.01
8/20/1964	0.00	0.08	0.00	0.08	0.00
8/21/1964	0.00	0.08	0.00	0.08	0.00
8/22/1964	0.12	0.08	0.00	0.08	0.01
8/23/1964	0.00	0.08	0.00	0.08	0.00
8/24/1964	0.00	0.08	0.00	0.08	0.00
8/25/1964	0.00	0.08	0.00	0.08	0.00
8/26/1964	0.00	0.08	0.00	0.08	0.00
8/27/1964	0.00	0.08	0.00	0.08	0.00
8/28/1964	0.00	0.08	0.00	0.08	0.00
8/29/1964	0.00	0.08	0.00	0.08	0.00
8/30/1964	0.00	0.08	0.00	0.08	0.00
8/31/1964	0.00	0.08	0.00	0.08	0.00
9/1/1964	0.02	0.03	0.00	0.03	0.00
9/2/1964	0.00	0.03	0.00	0.03	0.00
9/3/1964	0.00	0.03	0.00	0.03	0.00
9/4/1964	0.00	0.03	0.00	0.03	0.00
9/5/1964	0.00	0.03	0.00	0.03	0.00
9/6/1964	0.00	0.03	0.00	0.03	0.00
9/7/1964	0.00	0.03	0.00	0.03	0.00
9/8/1964	0.00	0.03	0.00	0.03	0.00
9/9/1964	0.00	0.03	0.00	0.03	0.00
9/10/1964	0.00	0.03	0.00	0.03	0.00
9/11/1964	0.00	0.03	0.00	0.03	0.00
9/12/1964	0.00	0.03	0.00	0.03	0.00
9/13/1964	0.00	0.03	0.00	0.03	0.00
9/14/1964	0.00	0.03	0.00	0.03	0.00
9/15/1964	0.00	0.03	0.00	0.03	0.00
9/16/1964	0.00	0.03	0.00	0.03	0.00
9/17/1964	0.00	0.03	0.00	0.03	0.00
9/18/1964	0.00	0.03	0.00	0.03	0.00
9/19/1964	0.00	0.03	0.00	0.03	0.00
9/20/1964	0.00	0.03	0.00	0.03	0.00
9/21/1964	0.00	0.03	0.00	0.03	0.00
9/22/1964	0.00	0.03	0.00	0.03	0.00
9/23/1964	0.00	0.03	0.00	0.03	0.00
9/24/1964	0.00	0.03	0.00	0.03	0.00
9/25/1964	0.00	0.03	0.00	0.03	0.00
9/26/1964	0.03	0.03	0.00	0.03	0.00
9/27/1964	0.00	0.03	0.00	0.03	0.00
9/28/1964	0.02	0.03	0.00	0.03	0.00
9/29/1964	0.00	0.03	0.00	0.03	0.00
9/30/1964	0.00	0.03	0.00	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/1/1964	0.00	0.04	0.00	0.04	0.00
10/2/1964	0.00	0.04	0.00	0.04	0.00
10/3/1964	0.87	0.04	0.00	0.04	0.18
10/4/1964	0.00	0.04	0.00	0.04	0.00
10/5/1964	0.00	0.04	0.00	0.04	0.00
10/6/1964	0.00	0.04	0.00	0.04	0.00
10/7/1964	0.00	0.04	0.00	0.04	0.00
10/8/1964	0.00	0.04	0.00	0.04	0.00
10/9/1964	0.00	0.04	0.00	0.04	0.00
10/10/1964	0.00	0.04	0.00	0.04	0.00
10/11/1964	0.00	0.04	0.00	0.04	0.00
10/12/1964	0.00	0.04	0.00	0.04	0.00
10/13/1964	0.00	0.04	0.00	0.04	0.00
10/14/1964	0.00	0.04	0.00	0.04	0.00
10/15/1964	0.00	0.04	0.00	0.04	0.00
10/16/1964	0.00	0.04	0.00	0.04	0.00
10/17/1964	0.00	0.04	0.00	0.04	0.00
10/18/1964	0.27	0.04	0.00	0.04	0.05
10/19/1964	0.00	0.04	0.00	0.04	0.00
10/20/1964	0.17	0.04	0.00	0.04	0.03
10/21/1964	0.22	0.04	0.00	0.04	0.04
10/22/1964	0.00	0.04	0.00	0.04	0.00
10/23/1964	0.00	0.04	0.00	0.04	0.00
10/24/1964	0.00	0.04	0.00	0.04	0.00
10/25/1964	0.00	0.04	0.00	0.04	0.00
10/26/1964	0.00	0.04	0.00	0.04	0.00
10/27/1964	0.00	0.04	0.00	0.04	0.00
10/28/1964	0.00	0.04	0.00	0.04	0.00
10/29/1964	0.00	0.04	0.00	0.04	0.00
10/30/1964	0.01	0.04	0.00	0.04	0.00
10/31/1964	0.00	0.04	0.00	0.04	0.00
11/1/1964	0.00	0.03	0.00	0.03	0.00
11/2/1964	0.00	0.03	0.00	0.03	0.00
11/3/1964	0.00	0.03	0.00	0.03	0.00
11/4/1964	0.00	0.03	0.00	0.03	0.00
11/5/1964	0.00	0.03	0.00	0.03	0.00
11/6/1964	0.07	0.03	0.00	0.03	0.01
11/7/1964	0.00	0.03	0.00	0.03	0.00
11/8/1964	0.00	0.03	0.00	0.03	0.00
11/9/1964	0.00	0.03	0.00	0.03	0.00
11/10/1964	0.00	0.03	0.00	0.03	0.00
11/11/1964	0.00	0.03	0.00	0.03	0.00
11/12/1964	0.00	0.03	0.00	0.03	0.00
11/13/1964	0.00	0.03	0.00	0.03	0.00
11/14/1964	0.00	0.03	0.00	0.03	0.00
11/15/1964	0.00	0.03	0.00	0.03	0.00
11/16/1964	0.00	0.03	0.00	0.03	0.00
11/17/1964	0.03	0.03	0.00	0.03	0.00
11/18/1964	0.00	0.03	0.00	0.03	0.00
11/19/1964	0.00	0.03	0.00	0.03	0.00
11/20/1964	0.44	0.03	0.00	0.03	0.09
11/21/1964	0.06	0.03	0.00	0.03	0.01
11/22/1964	0.00	0.03	0.00	0.03	0.00
11/23/1964	0.00	0.03	0.00	0.03	0.00
11/24/1964	0.00	0.03	0.00	0.03	0.00
11/25/1964	0.00	0.03	0.00	0.03	0.00
11/26/1964	0.90	0.03	0.00	0.03	0.18
11/27/1964	0.00	0.03	0.00	0.03	0.00
11/28/1964	0.00	0.03	0.00	0.03	0.00
11/29/1964	0.08	0.03	0.00	0.03	0.01
11/30/1964	0.00	0.03	0.00	0.03	0.00
12/1/1964	0.00	0.00	0.00	0.00	0.00
12/2/1964	0.00	0.00	0.00	0.00	0.00
12/3/1964	0.00	0.00	0.00	0.00	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/4/1964	0.29	0.00	0.00	0.00	0.00
12/5/1964	0.94	0.00	0.00	0.00	0.00
12/6/1964	0.59	0.00	0.00	0.00	0.00
12/7/1964	0.00	0.00	0.00	0.00	0.00
12/8/1964	0.00	0.00	0.00	0.00	0.00
12/9/1964	0.00	0.00	0.00	0.00	0.00
12/10/1964	0.00	0.00	0.00	0.00	0.00
12/11/1964	0.00	0.00	0.00	0.00	0.00
12/12/1964	0.29	0.00	0.00	0.00	0.00
12/13/1964	0.03	0.00	0.00	0.00	0.00
12/14/1964	0.00	0.00	0.00	0.00	0.00
12/15/1964	0.00	0.00	0.00	0.00	0.00
12/16/1964	0.00	0.00	0.00	0.00	0.00
12/17/1964	0.00	0.00	0.00	0.00	0.00
12/18/1964	0.03	0.00	0.00	0.00	0.00
12/19/1964	0.00	0.00	0.00	0.00	0.00
12/20/1964	0.22	0.00	0.00	0.00	0.00
12/21/1964	0.12	0.00	0.00	0.00	0.00
12/22/1964	0.00	0.00	0.00	0.00	0.00
12/23/1964	0.00	0.00	0.00	0.00	0.00
12/24/1964	0.01	0.00	0.00	0.00	0.00
12/25/1964	0.00	0.00	0.00	0.00	0.00
12/26/1964	0.00	0.00	0.00	0.00	0.00
12/27/1964	0.16	0.00	0.00	0.00	0.00
12/28/1964	0.98	0.00	0.00	0.00	0.00
12/29/1964	0.00	0.00	0.00	0.00	0.00
12/30/1964	0.00	0.00	0.00	0.00	0.00
12/31/1964	0.00	0.00	0.00	0.00	0.00
1/1/1965	0.00	0.00	0.00	0.00	0.00
1/2/1965	0.00	0.00	0.00	0.00	0.00
1/3/1965	0.65	0.00	0.00	0.00	0.00
1/4/1965	0.00	0.00	0.00	0.00	0.00
1/5/1965	0.00	0.00	0.00	0.00	0.00
1/6/1965	0.00	0.00	0.00	0.00	0.00
1/7/1965	0.00	0.00	0.00	0.00	0.00
1/8/1965	0.36	0.00	0.00	0.00	0.00
1/9/1965	0.16	0.00	0.00	0.00	0.00
1/10/1965	0.00	0.00	0.00	0.00	0.00
1/11/1965	0.30	0.00	0.00	0.00	0.00
1/12/1965	0.00	0.00	0.00	0.00	0.00
1/13/1965	0.00	0.00	0.00	0.00	0.00
1/14/1965	0.00	0.00	0.00	0.00	0.00
1/15/1965	0.00	0.00	0.00	0.00	0.00
1/16/1965	0.07	0.00	0.00	0.00	0.00
1/17/1965	0.13	0.00	0.00	0.00	0.00
1/18/1965	0.00	0.00	0.00	0.00	0.00
1/19/1965	0.00	0.00	0.00	0.00	0.00
1/20/1965	0.00	0.00	0.00	0.00	0.00
1/21/1965	0.00	0.00	0.00	0.00	0.00
1/22/1965	0.00	0.00	0.00	0.00	0.00
1/23/1965	0.52	0.00	0.00	0.00	0.00
1/24/1965	1.37	0.00	0.00	0.00	0.00
1/25/1965	0.08	0.00	0.00	0.00	0.00
1/26/1965	0.00	0.00	0.00	0.00	0.00
1/27/1965	0.09	0.00	0.00	0.00	0.00
1/28/1965	0.00	0.00	0.00	0.00	0.00
1/29/1965	0.00	0.00	0.00	0.00	0.00
1/30/1965	0.00	0.00	0.00	0.00	0.00
1/31/1965	0.00	0.00	0.00	0.00	0.00
2/1/1965	0.00	0.00	0.00	0.00	0.00
2/2/1965	0.05	0.00	0.00	0.00	0.00
2/3/1965	0.00	0.00	0.00	0.00	0.00
2/4/1965	0.00	0.00	0.00	0.00	0.00
2/5/1965	0.00	0.00	0.00	0.00	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
2/6/1965	0.00	0.00	0.00	0.00	0.00
2/7/1965	0.00	0.00	0.00	0.00	0.00
2/8/1965	0.00	0.00	0.00	0.00	0.00
2/9/1965	0.00	0.00	0.01	0.00	0.00
2/10/1965	0.07	0.00	0.01	0.00	0.00
2/11/1965	0.26	0.00	0.01	0.00	0.00
2/12/1965	0.00	0.00	0.01	0.00	0.00
2/13/1965	0.00	0.00	0.01	0.00	0.00
2/14/1965	0.00	0.00	0.01	0.00	0.00
2/15/1965	0.00	0.00	0.02	0.00	0.00
2/16/1965	0.00	0.00	0.02	0.00	0.00
2/17/1965	0.00	0.00	0.02	0.00	0.00
2/18/1965	0.00	0.00	0.02	0.00	0.00
2/19/1965	0.00	0.00	0.02	0.00	0.00
2/20/1965	0.00	0.00	0.02	0.00	0.00
2/21/1965	0.00	0.00	0.02	0.00	0.00
2/22/1965	0.40	0.00	0.02	0.00	0.00
2/23/1965	0.00	0.00	0.02	0.00	0.00
2/24/1965	0.00	0.00	0.02	0.00	0.00
2/25/1965	0.26	0.00	0.02	0.00	0.00
2/26/1965	0.38	0.00	0.02	0.00	0.00
2/27/1965	0.00	0.00	0.02	0.00	0.00
2/28/1965	0.00	0.00	0.02	0.00	0.00
3/1/1965	0.00	0.03	0.02	0.03	0.00
3/2/1965	0.00	0.03	0.02	0.03	0.00
3/3/1965	0.00	0.03	0.02	0.03	0.00
3/4/1965	0.00	0.03	0.02	0.03	0.00
3/5/1965	0.00	0.03	0.02	0.03	0.00
3/6/1965	0.84	0.03	0.02	0.03	0.17
3/7/1965	0.00	0.03	0.02	0.03	0.00
3/8/1965	0.00	0.03	0.02	0.03	0.00
3/9/1965	0.00	0.03	0.02	0.03	0.00
3/10/1965	0.00	0.03	0.02	0.03	0.00
3/11/1965	0.04	0.03	0.02	0.03	0.00
3/12/1965	0.00	0.03	0.02	0.03	0.00
3/13/1965	0.00	0.03	0.02	0.03	0.00
3/14/1965	0.00	0.03	0.02	0.03	0.00
3/15/1965	0.18	0.03	0.02	0.03	0.03
3/16/1965	0.00	0.03	0.02	0.03	0.00
3/17/1965	0.01	0.03	0.02	0.03	0.00
3/18/1965	0.27	0.03	0.02	0.03	0.05
3/19/1965	0.06	0.03	0.02	0.03	0.00
3/20/1965	0.00	0.03	0.02	0.03	0.00
3/21/1965	0.27	0.03	0.02	0.03	0.05
3/22/1965	0.00	0.03	0.02	0.03	0.00
3/23/1965	0.00	0.03	0.02	0.03	0.00
3/24/1965	0.14	0.03	0.02	0.03	0.02
3/25/1965	0.00	0.03	0.02	0.03	0.00
3/26/1965	0.13	0.03	0.02	0.03	0.02
3/27/1965	0.11	0.03	0.02	0.03	0.01
3/28/1965	0.00	0.03	0.02	0.03	0.00
3/29/1965	0.00	0.03	0.02	0.03	0.00
3/30/1965	0.14	0.03	0.02	0.03	0.02
3/31/1965	0.00	0.03	0.02	0.03	0.00
4/1/1965	0.00	0.05	0.02	0.05	0.00
4/2/1965	0.24	0.05	0.02	0.05	0.02
4/3/1965	0.00	0.05	0.02	0.05	0.00
4/4/1965	0.00	0.05	0.02	0.05	0.00
4/5/1965	0.00	0.05	0.02	0.05	0.00
4/6/1965	0.00	0.05	0.01	0.05	0.00
4/7/1965	0.27	0.05	0.01	0.05	0.03
4/8/1965	0.07	0.05	0.01	0.05	0.00
4/9/1965	0.07	0.05	0.01	0.05	0.00
4/10/1965	0.00	0.05	0.01	0.05	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
4/11/1965	0.00	0.05	0.01	0.05	0.00
4/12/1965	0.51	0.05	0.01	0.05	0.06
4/13/1965	0.00	0.05	0.01	0.05	0.00
4/14/1965	0.00	0.05	0.01	0.05	0.00
4/15/1965	0.00	0.05	0.01	0.05	0.00
4/16/1965	0.40	0.05	0.01	0.05	0.05
4/17/1965	0.00	0.05	0.01	0.05	0.00
4/18/1965	0.01	0.05	0.01	0.05	0.00
4/19/1965	0.19	0.05	0.02	0.05	0.02
4/20/1965	0.00	0.05	0.02	0.05	0.00
4/21/1965	0.00	0.05	0.02	0.05	0.00
4/22/1965	0.00	0.05	0.02	0.05	0.00
4/23/1965	0.00	0.05	0.02	0.05	0.00
4/24/1965	0.06	0.05	0.02	0.05	0.00
4/25/1965	0.00	0.05	0.02	0.05	0.00
4/26/1965	0.45	0.05	0.02	0.05	0.05
4/27/1965	0.06	0.05	0.02	0.05	0.00
4/28/1965	0.00	0.05	0.02	0.05	0.00
4/29/1965	0.00	0.05	0.02	0.05	0.00
4/30/1965	0.00	0.05	0.02	0.05	0.00
5/1/1965	0.00	0.12	0.02	0.12	0.00
5/2/1965	0.00	0.12	0.02	0.12	0.00
5/3/1965	0.00	0.12	0.02	0.12	0.00
5/4/1965	0.00	0.12	0.02	0.12	0.00
5/5/1965	0.28	0.12	0.02	0.12	0.04
5/6/1965	0.00	0.12	0.02	0.12	0.00
5/7/1965	0.00	0.12	0.02	0.12	0.00
5/8/1965	0.38	0.12	0.02	0.12	0.07
5/9/1965	0.00	0.12	0.02	0.12	0.00
5/10/1965	0.00	0.12	0.02	0.12	0.00
5/11/1965	0.00	0.12	0.02	0.12	0.00
5/12/1965	0.00	0.12	0.02	0.12	0.00
5/13/1965	0.00	0.12	0.02	0.12	0.00
5/14/1965	0.04	0.12	0.01	0.12	0.00
5/15/1965	0.00	0.12	0.01	0.12	0.00
5/16/1965	0.00	0.12	0.01	0.12	0.00
5/17/1965	0.00	0.12	0.01	0.12	0.00
5/18/1965	0.01	0.12	0.01	0.12	0.00
5/19/1965	0.00	0.12	0.01	0.12	0.00
5/20/1965	0.00	0.12	0.01	0.12	0.00
5/21/1965	0.00	0.12	0.01	0.12	0.00
5/22/1965	0.00	0.12	0.01	0.12	0.00
5/23/1965	0.00	0.12	0.01	0.12	0.00
5/24/1965	0.00	0.12	0.01	0.12	0.00
5/25/1965	0.00	0.12	0.01	0.12	0.00
5/26/1965	0.00	0.12	0.01	0.12	0.00
5/27/1965	0.00	0.12	0.01	0.12	0.00
5/28/1965	0.59	0.12	0.01	0.12	0.13
5/29/1965	0.20	0.12	0.01	0.12	0.02
5/30/1965	0.27	0.12	0.01	0.12	0.04
5/31/1965	0.00	0.12	0.01	0.12	0.00
6/1/1965	0.00	0.13	0.01	0.13	0.00
6/2/1965	0.02	0.13	0.01	0.13	0.00
6/3/1965	0.66	0.13	0.01	0.13	0.13
6/4/1965	0.00	0.13	0.01	0.13	0.00
6/5/1965	0.00	0.13	0.01	0.13	0.00
6/6/1965	0.00	0.13	0.01	0.13	0.00
6/7/1965	0.00	0.13	0.01	0.13	0.00
6/8/1965	0.00	0.13	0.01	0.13	0.00
6/9/1965	0.05	0.13	0.01	0.13	0.00
6/10/1965	0.00	0.13	0.01	0.13	0.00
6/11/1965	0.00	0.13	0.01	0.13	0.00
6/12/1965	0.00	0.13	0.01	0.13	0.00
6/13/1965	0.00	0.13	0.01	0.13	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
6/14/1965	0.00	0.13	0.01	0.13	0.00
6/15/1965	0.01	0.13	0.00	0.13	0.00
6/16/1965	0.00	0.13	0.00	0.13	0.00
6/17/1965	0.00	0.13	0.00	0.13	0.00
6/18/1965	0.00	0.13	0.00	0.13	0.00
6/19/1965	0.00	0.13	0.00	0.13	0.00
6/20/1965	0.18	0.13	0.00	0.13	0.01
6/21/1965	0.00	0.13	0.00	0.13	0.00
6/22/1965	0.00	0.13	0.00	0.13	0.00
6/23/1965	0.00	0.13	0.00	0.13	0.00
6/24/1965	0.16	0.13	0.00	0.13	0.01
6/25/1965	0.00	0.13	0.00	0.13	0.00
6/26/1965	0.00	0.13	0.00	0.13	0.00
6/27/1965	0.00	0.13	0.00	0.13	0.00
6/28/1965	0.00	0.13	0.00	0.13	0.00
6/29/1965	0.00	0.13	0.00	0.13	0.00
6/30/1965	0.00	0.13	0.00	0.13	0.00
7/1/1965	0.03	0.11	0.00	0.11	0.00
7/2/1965	0.00	0.11	0.00	0.11	0.00
7/3/1965	0.05	0.11	0.00	0.11	0.00
7/4/1965	0.02	0.11	0.00	0.11	0.00
7/5/1965	0.00	0.11	0.00	0.11	0.00
7/6/1965	0.05	0.11	0.00	0.11	0.00
7/7/1965	0.00	0.11	0.00	0.11	0.00
7/8/1965	0.06	0.11	0.00	0.11	0.00
7/9/1965	0.00	0.11	0.00	0.11	0.00
7/10/1965	0.00	0.11	0.00	0.11	0.00
7/11/1965	0.19	0.11	0.00	0.11	0.02
7/12/1965	0.00	0.11	0.00	0.11	0.00
7/13/1965	0.00	0.11	0.00	0.11	0.00
7/14/1965	0.00	0.11	0.00	0.11	0.00
7/15/1965	0.03	0.11	0.00	0.11	0.00
7/16/1965	0.00	0.11	0.00	0.11	0.00
7/17/1965	0.00	0.11	0.00	0.11	0.00
7/18/1965	0.85	0.11	0.00	0.11	0.16
7/19/1965	0.15	0.11	0.00	0.11	0.01
7/20/1965	0.00	0.11	0.00	0.11	0.00
7/21/1965	0.00	0.11	0.00	0.11	0.00
7/22/1965	0.00	0.11	0.00	0.11	0.00
7/23/1965	0.00	0.11	0.00	0.11	0.00
7/24/1965	0.00	0.11	0.00	0.11	0.00
7/25/1965	0.00	0.11	0.00	0.11	0.00
7/26/1965	0.00	0.11	0.00	0.11	0.00
7/27/1965	0.00	0.11	0.00	0.11	0.00
7/28/1965	0.32	0.11	0.00	0.11	0.05
7/29/1965	0.00	0.11	0.00	0.11	0.00
7/30/1965	0.00	0.11	0.00	0.11	0.00
7/31/1965	0.00	0.11	0.00	0.11	0.00
8/1/1965	0.00	0.13	0.00	0.13	0.00
8/2/1965	0.14	0.13	0.00	0.13	0.00
8/3/1965	1.02	0.13	0.00	0.13	0.19
8/4/1965	0.00	0.13	0.00	0.13	0.00
8/5/1965	0.04	0.13	0.00	0.13	0.00
8/6/1965	0.00	0.13	0.00	0.13	0.00
8/7/1965	0.00	0.13	0.00	0.13	0.00
8/8/1965	0.00	0.13	0.00	0.13	0.00
8/9/1965	0.19	0.13	0.00	0.13	0.01
8/10/1965	1.42	0.13	0.00	0.13	0.27
8/11/1965	0.00	0.13	0.00	0.13	0.00
8/12/1965	0.00	0.13	0.00	0.13	0.00
8/13/1965	0.00	0.13	0.00	0.13	0.00
8/14/1965	0.05	0.13	0.00	0.13	0.00
8/15/1965	0.00	0.13	0.00	0.13	0.00
8/16/1965	0.00	0.13	0.00	0.13	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
8/17/1965	0.00	0.13	0.00	0.13	0.00
8/18/1965	0.00	0.13	0.00	0.13	0.00
8/19/1965	0.93	0.13	0.00	0.13	0.17
8/20/1965	0.00	0.13	0.00	0.13	0.00
8/21/1965	0.00	0.13	0.00	0.13	0.00
8/22/1965	0.08	0.13	0.00	0.13	0.00
8/23/1965	0.02	0.13	0.00	0.13	0.00
8/24/1965	0.00	0.13	0.00	0.13	0.00
8/25/1965	0.00	0.13	0.00	0.13	0.00
8/26/1965	1.19	0.13	0.00	0.13	0.22
8/27/1965	0.11	0.13	0.00	0.13	0.00
8/28/1965	0.09	0.13	0.00	0.13	0.00
8/29/1965	0.00	0.13	0.00	0.13	0.00
8/30/1965	0.00	0.13	0.00	0.13	0.00
8/31/1965	0.00	0.13	0.00	0.13	0.00
9/1/1965	0.07	0.09	0.00	0.09	0.00
9/2/1965	0.72	0.09	0.00	0.09	0.13
9/3/1965	0.00	0.09	0.00	0.09	0.00
9/4/1965	0.00	0.09	0.00	0.09	0.00
9/5/1965	0.00	0.09	0.00	0.09	0.00
9/6/1965	0.00	0.09	0.00	0.09	0.00
9/7/1965	0.00	0.09	0.00	0.09	0.00
9/8/1965	0.00	0.09	0.00	0.09	0.00
9/9/1965	0.00	0.09	0.00	0.09	0.00
9/10/1965	0.00	0.09	0.00	0.09	0.00
9/11/1965	0.00	0.09	0.00	0.09	0.00
9/12/1965	0.00	0.09	0.00	0.09	0.00
9/13/1965	0.03	0.09	0.00	0.09	0.00
9/14/1965	0.83	0.09	0.00	0.09	0.16
9/15/1965	0.00	0.09	0.00	0.09	0.00
9/16/1965	0.47	0.09	0.00	0.09	0.08
9/17/1965	0.02	0.09	0.00	0.09	0.00
9/18/1965	0.10	0.09	0.00	0.09	0.00
9/19/1965	0.00	0.09	0.00	0.09	0.00
9/20/1965	0.00	0.09	0.00	0.09	0.00
9/21/1965	0.00	0.09	0.00	0.09	0.00
9/22/1965	0.00	0.09	0.00	0.09	0.00
9/23/1965	0.00	0.09	0.00	0.09	0.00
9/24/1965	0.01	0.09	0.00	0.09	0.00
9/25/1965	1.47	0.09	0.00	0.09	0.29
9/26/1965	0.00	0.09	0.00	0.09	0.00
9/27/1965	0.00	0.09	0.00	0.09	0.00
9/28/1965	0.00	0.09	0.00	0.09	0.00
9/29/1965	0.00	0.09	0.00	0.09	0.00
9/30/1965	0.00	0.09	0.00	0.09	0.00
10/1/1965	0.07	0.04	0.00	0.04	0.01
10/2/1965	0.88	0.04	0.00	0.04	0.18
10/3/1965	0.00	0.04	0.00	0.04	0.00
10/4/1965	0.00	0.04	0.00	0.04	0.00
10/5/1965	0.00	0.04	0.00	0.04	0.00
10/6/1965	0.00	0.04	0.00	0.04	0.00
10/7/1965	0.00	0.04	0.00	0.04	0.00
10/8/1965	1.16	0.04	0.00	0.04	0.24
10/9/1965	0.01	0.04	0.00	0.04	0.00
10/10/1965	0.00	0.04	0.00	0.04	0.00
10/11/1965	0.00	0.04	0.00	0.04	0.00
10/12/1965	0.39	0.04	0.00	0.04	0.07
10/13/1965	0.00	0.04	0.00	0.04	0.00
10/14/1965	0.00	0.04	0.00	0.04	0.00
10/15/1965	0.00	0.04	0.00	0.04	0.00
10/16/1965	0.47	0.04	0.00	0.04	0.09
10/17/1965	0.00	0.04	0.00	0.04	0.00
10/18/1965	0.00	0.04	0.00	0.04	0.00
10/19/1965	0.00	0.04	0.00	0.04	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/20/1965	0.00	0.04	0.00	0.04	0.00
10/21/1965	0.00	0.04	0.00	0.04	0.00
10/22/1965	0.00	0.04	0.00	0.04	0.00
10/23/1965	0.01	0.04	0.00	0.04	0.00
10/24/1965	0.00	0.04	0.00	0.04	0.00
10/25/1965	0.00	0.04	0.00	0.04	0.00
10/26/1965	0.00	0.04	0.00	0.04	0.00
10/27/1965	0.00	0.04	0.00	0.04	0.00
10/28/1965	0.00	0.04	0.00	0.04	0.00
10/29/1965	0.00	0.04	0.00	0.04	0.00
10/30/1965	0.00	0.04	0.00	0.04	0.00
10/31/1965	0.00	0.04	0.00	0.04	0.00
11/1/1965	0.00	0.02	0.00	0.02	0.00
11/2/1965	0.01	0.02	0.00	0.02	0.00
11/3/1965	0.00	0.02	0.00	0.02	0.00
11/4/1965	0.00	0.02	0.00	0.02	0.00
11/5/1965	0.00	0.02	0.00	0.02	0.00
11/6/1965	0.00	0.02	0.00	0.02	0.00
11/7/1965	0.00	0.02	0.00	0.02	0.00
11/8/1965	0.00	0.02	0.00	0.02	0.00
11/9/1965	0.15	0.02	0.00	0.02	0.03
11/10/1965	0.00	0.02	0.00	0.02	0.00
11/11/1965	0.00	0.02	0.00	0.02	0.00
11/12/1965	0.00	0.02	0.00	0.02	0.00
11/13/1965	0.03	0.02	0.00	0.02	0.00
11/14/1965	0.07	0.02	0.00	0.02	0.01
11/15/1965	0.00	0.02	0.00	0.02	0.00
11/16/1965	0.00	0.02	0.00	0.02	0.00
11/17/1965	0.62	0.02	0.00	0.02	0.12
11/18/1965	0.00	0.02	0.00	0.02	0.00
11/19/1965	0.00	0.02	0.00	0.02	0.00
11/20/1965	0.00	0.02	0.00	0.02	0.00
11/21/1965	0.08	0.02	0.00	0.02	0.01
11/22/1965	0.06	0.02	0.00	0.02	0.01
11/23/1965	0.53	0.02	0.00	0.02	0.11
11/24/1965	0.00	0.02	0.00	0.02	0.00
11/25/1965	0.00	0.02	0.00	0.02	0.00
11/26/1965	0.00	0.02	0.00	0.02	0.00
11/27/1965	0.23	0.02	0.00	0.02	0.04
11/28/1965	0.16	0.02	0.00	0.02	0.03
11/29/1965	0.00	0.02	0.00	0.02	0.00
11/30/1965	0.00	0.02	0.00	0.02	0.00
12/1/1965	0.00	0.02	0.00	0.02	0.00
12/2/1965	0.00	0.02	0.00	0.02	0.00
12/3/1965	0.00	0.02	0.00	0.02	0.00
12/4/1965	0.00	0.02	0.00	0.02	0.00
12/5/1965	0.00	0.02	0.00	0.02	0.00
12/6/1965	0.00	0.02	0.00	0.02	0.00
12/7/1965	0.04	0.02	0.00	0.02	0.00
12/8/1965	0.00	0.02	0.00	0.02	0.00
12/9/1965	0.00	0.02	0.00	0.02	0.00
12/10/1965	0.00	0.02	0.00	0.02	0.00
12/11/1965	0.00	0.02	0.00	0.02	0.00
12/12/1965	0.56	0.02	0.00	0.02	0.11
12/13/1965	0.36	0.02	0.00	0.02	0.07
12/14/1965	0.52	0.02	0.00	0.02	0.11
12/15/1965	0.02	0.02	0.00	0.02	0.00
12/16/1965	0.02	0.02	0.00	0.02	0.00
12/17/1965	0.02	0.02	0.00	0.02	0.00
12/18/1965	0.02	0.02	0.01	0.02	0.00
12/19/1965	0.00	0.02	0.01	0.02	0.00
12/20/1965	0.00	0.02	0.01	0.02	0.00
12/21/1965	0.00	0.02	0.01	0.02	0.00
12/22/1965	0.00	0.02	0.01	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/23/1965	0.00	0.02	0.01	0.02	0.00
12/24/1965	0.00	0.02	0.01	0.02	0.00
12/25/1965	0.00	0.02	0.01	0.02	0.00
12/26/1965	1.08	0.02	0.01	0.02	0.22
12/27/1965	0.00	0.02	0.01	0.02	0.00
12/28/1965	0.00	0.02	0.01	0.02	0.00
12/29/1965	0.00	0.02	0.01	0.02	0.00
12/30/1965	0.00	0.02	0.01	0.02	0.00
12/31/1965	0.00	0.02	0.01	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/1/1963	0.00	0.01	0.02	0.01	0.00
1/2/1963	0.00	0.01	0.02	0.01	0.00
1/3/1963	0.00	0.01	0.01	0.01	0.00
1/4/1963	0.00	0.01	0.01	0.01	0.00
1/5/1963	0.00	0.01	0.01	0.01	0.00
1/6/1963	0.00	0.01	0.01	0.01	0.00
1/7/1963	0.00	0.01	0.01	0.01	0.00
1/8/1963	0.00	0.01	0.01	0.01	0.00
1/9/1963	0.00	0.01	0.01	0.01	0.00
1/10/1963	0.00	0.01	0.01	0.01	0.00
1/11/1963	0.00	0.01	0.01	0.01	0.00
1/12/1963	0.47	0.01	0.01	0.01	0.00
1/13/1963	0.56	0.01	0.01	0.01	0.00
1/14/1963	0.10	0.01	0.01	0.01	0.00
1/15/1963	0.00	0.01	0.01	0.01	0.00
1/16/1963	0.00	0.01	0.01	0.01	0.00
1/17/1963	0.00	0.01	0.01	0.01	0.00
1/18/1963	0.00	0.01	0.01	0.01	0.00
1/19/1963	0.01	0.01	0.01	0.01	0.00
1/20/1963	0.37	0.01	0.02	0.01	0.00
1/21/1963	0.00	0.01	0.02	0.01	0.00
1/22/1963	0.00	0.01	0.02	0.01	0.00
1/23/1963	0.00	0.01	0.02	0.01	0.00
1/24/1963	0.50	0.01	0.02	0.01	0.00
1/25/1963	0.00	0.01	0.02	0.01	0.00
1/26/1963	0.00	0.01	0.02	0.01	0.00
1/27/1963	1.09	0.01	0.02	0.01	0.00
1/28/1963	0.00	0.01	0.02	0.01	0.00
1/29/1963	0.00	0.01	0.02	0.01	0.00
1/30/1963	0.00	0.01	0.02	0.01	0.00
1/31/1963	0.02	0.01	0.02	0.01	0.00
2/1/1963	0.00	0.01	0.02	0.01	0.00
2/2/1963	0.00	0.01	0.02	0.01	0.00
2/3/1963	0.42	0.01	0.02	0.01	0.04
2/4/1963	0.00	0.01	0.02	0.01	0.00
2/5/1963	0.00	0.01	0.02	0.01	0.00
2/6/1963	0.00	0.01	0.02	0.01	0.00
2/7/1963	0.00	0.01	0.02	0.01	0.00
2/8/1963	0.00	0.01	0.02	0.01	0.00
2/9/1963	0.00	0.01	0.02	0.01	0.00
2/10/1963	0.01	0.01	0.02	0.01	0.00
2/11/1963	0.13	0.01	0.02	0.01	0.00
2/12/1963	0.39	0.01	0.02	0.01	0.00
2/13/1963	0.38	0.01	0.02	0.01	0.00
2/14/1963	0.00	0.01	0.02	0.01	0.00
2/15/1963	0.03	0.01	0.02	0.01	0.00
2/16/1963	0.00	0.01	0.02	0.01	0.00
2/17/1963	0.00	0.01	0.02	0.01	0.00
2/18/1963	0.00	0.01	0.02	0.01	0.00
2/19/1963	0.00	0.01	0.02	0.01	0.00
2/20/1963	0.79	0.01	0.02	0.01	0.00
2/21/1963	0.00	0.01	0.02	0.01	0.00
2/22/1963	0.00	0.01	0.02	0.01	0.00
2/23/1963	0.00	0.01	0.02	0.01	0.00
2/24/1963	0.00	0.01	0.02	0.01	0.00
2/25/1963	0.12	0.01	0.02	0.01	0.00
2/26/1963	0.00	0.01	0.02	0.01	0.00
2/27/1963	0.00	0.01	0.02	0.01	0.00
2/28/1963	0.00	0.01	0.02	0.01	0.00
3/1/1963	0.00	0.03	0.02	0.03	0.00
3/2/1963	0.84	0.03	0.02	0.03	0.62

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/3/1963	0.00	0.03	0.02	0.03	0.00
3/4/1963	0.00	0.03	0.02	0.03	0.00
3/5/1963	0.00	0.03	0.02	0.03	0.00
3/6/1963	0.27	0.03	0.02	0.03	0.17
3/7/1963	0.49	0.03	0.02	0.03	0.35
3/8/1963	0.00	0.03	0.02	0.03	0.00
3/9/1963	0.00	0.03	0.02	0.03	0.00
3/10/1963	0.00	0.03	0.02	0.03	0.00
3/11/1963	0.00	0.03	0.02	0.03	0.00
3/12/1963	0.63	0.03	0.02	0.03	0.45
3/13/1963	0.05	0.03	0.02	0.03	0.00
3/14/1963	0.19	0.03	0.02	0.03	0.10
3/15/1963	0.00	0.03	0.03	0.03	0.00
3/16/1963	0.00	0.03	0.03	0.03	0.00
3/17/1963	0.19	0.03	0.03	0.03	0.10
3/18/1963	0.00	0.03	0.04	0.03	0.00
3/19/1963	0.00	0.03	0.04	0.03	0.00
3/20/1963	0.47	0.03	0.05	0.03	0.30
3/21/1963	0.20	0.03	0.05	0.03	0.09
3/22/1963	0.00	0.03	0.05	0.03	0.00
3/23/1963	0.00	0.03	0.05	0.03	0.00
3/24/1963	0.00	0.03	0.05	0.03	0.00
3/25/1963	0.00	0.03	0.06	0.03	0.00
3/26/1963	0.00	0.03	0.06	0.03	0.00
3/27/1963	0.21	0.03	0.07	0.03	0.09
3/28/1963	0.00	0.03	0.07	0.03	0.00
3/29/1963	0.00	0.03	0.08	0.03	0.00
3/30/1963	0.00	0.03	0.08	0.03	0.00
3/31/1963	0.00	0.03	0.08	0.03	0.00
4/1/1963	0.00	0.06	0.08	0.06	0.00
4/2/1963	0.05	0.06	0.08	0.06	0.00
4/3/1963	0.00	0.06	0.08	0.06	0.00
4/4/1963	0.00	0.06	0.08	0.06	0.00
4/5/1963	0.00	0.06	0.08	0.06	0.00
4/6/1963	0.00	0.06	0.08	0.06	0.00
4/7/1963	0.00	0.06	0.07	0.06	0.00
4/8/1963	0.00	0.06	0.07	0.06	0.00
4/9/1963	0.00	0.06	0.06	0.06	0.00
4/10/1963	0.07	0.06	0.06	0.06	0.00
4/11/1963	0.00	0.06	0.06	0.06	0.00
4/12/1963	0.00	0.06	0.05	0.06	0.00
4/13/1963	0.00	0.06	0.05	0.06	0.00
4/14/1963	0.00	0.06	0.04	0.06	0.00
4/15/1963	0.00	0.06	0.04	0.06	0.00
4/16/1963	0.00	0.06	0.04	0.06	0.00
4/17/1963	0.00	0.06	0.04	0.06	0.00
4/18/1963	0.24	0.06	0.04	0.06	0.08
4/19/1963	0.01	0.06	0.04	0.06	0.00
4/20/1963	0.05	0.06	0.03	0.06	0.00
4/21/1963	0.00	0.06	0.03	0.06	0.00
4/22/1963	0.00	0.06	0.03	0.06	0.00
4/23/1963	0.12	0.06	0.03	0.06	0.01
4/24/1963	0.16	0.06	0.03	0.06	0.04
4/25/1963	0.00	0.06	0.03	0.06	0.00
4/26/1963	0.00	0.06	0.03	0.06	0.00
4/27/1963	0.00	0.06	0.03	0.06	0.00
4/28/1963	0.00	0.06	0.02	0.06	0.00
4/29/1963	0.00	0.06	0.02	0.06	0.00
4/30/1963	0.12	0.06	0.02	0.06	0.02
5/1/1963	0.13	0.10	0.02	0.10	0.00
5/2/1963	0.05	0.10	0.02	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/3/1963	0.00	0.10	0.02	0.10	0.00
5/4/1963	0.00	0.10	0.02	0.10	0.00
5/5/1963	0.00	0.10	0.02	0.10	0.00
5/6/1963	0.00	0.10	0.02	0.10	0.00
5/7/1963	0.00	0.10	0.02	0.10	0.00
5/8/1963	0.00	0.10	0.02	0.10	0.00
5/9/1963	0.00	0.10	0.02	0.10	0.00
5/10/1963	0.16	0.10	0.02	0.10	0.02
5/11/1963	0.36	0.10	0.02	0.10	0.12
5/12/1963	0.00	0.10	0.02	0.10	0.00
5/13/1963	0.00	0.10	0.02	0.10	0.00
5/14/1963	0.07	0.10	0.02	0.10	0.00
5/15/1963	0.51	0.10	0.02	0.10	0.19
5/16/1963	0.00	0.10	0.02	0.10	0.00
5/17/1963	0.00	0.10	0.02	0.10	0.00
5/18/1963	0.02	0.10	0.02	0.10	0.00
5/19/1963	0.23	0.10	0.02	0.10	0.06
5/20/1963	0.00	0.10	0.02	0.10	0.00
5/21/1963	0.05	0.10	0.02	0.10	0.00
5/22/1963	0.06	0.10	0.02	0.10	0.00
5/23/1963	0.00	0.10	0.02	0.10	0.00
5/24/1963	0.00	0.10	0.02	0.10	0.00
5/25/1963	0.00	0.10	0.02	0.10	0.00
5/26/1963	0.00	0.10	0.02	0.10	0.00
5/27/1963	0.00	0.10	0.02	0.10	0.00
5/28/1963	0.00	0.10	0.02	0.10	0.00
5/29/1963	0.00	0.10	0.01	0.10	0.00
5/30/1963	0.03	0.10	0.01	0.10	0.00
5/31/1963	0.00	0.10	0.01	0.10	0.00
6/1/1963	0.00	0.15	0.01	0.15	0.00
6/2/1963	0.00	0.15	0.01	0.15	0.00
6/3/1963	0.00	0.15	0.01	0.15	0.00
6/4/1963	0.00	0.15	0.01	0.15	0.00
6/5/1963	0.00	0.15	0.01	0.15	0.00
6/6/1963	0.00	0.15	0.01	0.15	0.00
6/7/1963	0.00	0.15	0.01	0.15	0.00
6/8/1963	0.26	0.15	0.01	0.15	0.02
6/9/1963	0.00	0.15	0.01	0.15	0.00
6/10/1963	0.11	0.15	0.01	0.15	0.00
6/11/1963	0.21	0.15	0.01	0.15	0.01
6/12/1963	0.65	0.15	0.01	0.15	0.12
6/13/1963	0.00	0.15	0.01	0.15	0.00
6/14/1963	0.00	0.15	0.01	0.15	0.00
6/15/1963	0.89	0.15	0.01	0.15	0.18
6/16/1963	0.09	0.15	0.01	0.15	0.00
6/17/1963	0.00	0.15	0.01	0.15	0.00
6/18/1963	0.00	0.15	0.01	0.15	0.00
6/19/1963	0.00	0.15	0.01	0.15	0.00
6/20/1963	0.00	0.15	0.01	0.15	0.00
6/21/1963	0.92	0.15	0.01	0.15	0.19
6/22/1963	0.00	0.15	0.01	0.15	0.00
6/23/1963	0.00	0.15	0.01	0.15	0.00
6/24/1963	0.00	0.15	0.01	0.15	0.00
6/25/1963	0.00	0.15	0.01	0.15	0.00
6/26/1963	0.00	0.15	0.01	0.15	0.00
6/27/1963	0.00	0.15	0.01	0.15	0.00
6/28/1963	0.00	0.15	0.01	0.15	0.00
6/29/1963	0.04	0.15	0.01	0.15	0.00
6/30/1963	1.65	0.15	0.01	0.15	0.37
7/1/1963	0.00	0.17	0.01	0.17	0.00
7/2/1963	0.00	0.17	0.01	0.17	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/3/1963	0.64	0.17	0.01	0.17	0.10
7/4/1963	0.00	0.17	0.01	0.17	0.00
7/5/1963	0.00	0.17	0.01	0.17	0.00
7/6/1963	0.00	0.17	0.01	0.17	0.00
7/7/1963	0.00	0.17	0.01	0.17	0.00
7/8/1963	1.20	0.17	0.01	0.17	0.23
7/9/1963	0.02	0.17	0.01	0.17	0.00
7/10/1963	0.00	0.17	0.01	0.17	0.00
7/11/1963	0.00	0.17	0.01	0.17	0.00
7/12/1963	0.00	0.17	0.01	0.17	0.00
7/13/1963	0.00	0.17	0.01	0.17	0.00
7/14/1963	0.00	0.17	0.01	0.17	0.00
7/15/1963	0.37	0.17	0.01	0.17	0.04
7/16/1963	0.04	0.17	0.01	0.17	0.00
7/17/1963	0.25	0.17	0.01	0.17	0.02
7/18/1963	0.00	0.17	0.01	0.17	0.00
7/19/1963	0.00	0.17	0.01	0.17	0.00
7/20/1963	0.98	0.17	0.01	0.17	0.18
7/21/1963	0.61	0.17	0.01	0.17	0.10
7/22/1963	0.28	0.17	0.01	0.17	0.02
7/23/1963	0.00	0.17	0.01	0.17	0.00
7/24/1963	0.00	0.17	0.01	0.17	0.00
7/25/1963	0.00	0.17	0.01	0.17	0.00
7/26/1963	0.00	0.17	0.01	0.17	0.00
7/27/1963	0.00	0.17	0.01	0.17	0.00
7/28/1963	0.00	0.17	0.01	0.17	0.00
7/29/1963	0.06	0.17	0.01	0.17	0.00
7/30/1963	0.42	0.17	0.01	0.17	0.06
7/31/1963	0.00	0.17	0.01	0.17	0.00
8/1/1963	0.00	0.11	0.01	0.11	0.00
8/2/1963	0.71	0.11	0.01	0.11	0.13
8/3/1963	0.00	0.11	0.01	0.11	0.00
8/4/1963	0.00	0.11	0.01	0.11	0.00
8/5/1963	0.00	0.11	0.01	0.11	0.00
8/6/1963	0.00	0.11	0.01	0.11	0.00
8/7/1963	0.00	0.11	0.01	0.11	0.00
8/8/1963	0.23	0.11	0.01	0.11	0.02
8/9/1963	0.00	0.11	0.01	0.11	0.00
8/10/1963	0.00	0.11	0.01	0.11	0.00
8/11/1963	0.00	0.11	0.01	0.11	0.00
8/12/1963	0.27	0.11	0.01	0.11	0.03
8/13/1963	0.00	0.11	0.01	0.11	0.00
8/14/1963	0.37	0.11	0.01	0.11	0.06
8/15/1963	0.00	0.11	0.01	0.11	0.00
8/16/1963	0.00	0.11	0.01	0.11	0.00
8/17/1963	0.00	0.11	0.01	0.11	0.00
8/18/1963	0.95	0.11	0.01	0.11	0.18
8/19/1963	0.00	0.11	0.01	0.11	0.00
8/20/1963	0.41	0.11	0.00	0.11	0.06
8/21/1963	0.00	0.11	0.00	0.11	0.00
8/22/1963	0.00	0.11	0.00	0.11	0.00
8/23/1963	0.00	0.11	0.00	0.11	0.00
8/24/1963	0.00	0.11	0.00	0.11	0.00
8/25/1963	0.00	0.11	0.00	0.11	0.00
8/26/1963	0.00	0.11	0.00	0.11	0.00
8/27/1963	0.00	0.11	0.00	0.11	0.00
8/28/1963	0.00	0.11	0.00	0.11	0.00
8/29/1963	0.00	0.11	0.00	0.11	0.00
8/30/1963	0.00	0.11	0.00	0.11	0.00
8/31/1963	0.00	0.11	0.00	0.11	0.00
9/1/1963	0.00	0.08	0.00	0.08	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/2/1963	0.00	0.08	0.00	0.08	0.00
9/3/1963	0.00	0.08	0.00	0.08	0.00
9/4/1963	0.04	0.08	0.00	0.08	0.00
9/5/1963	0.00	0.08	0.00	0.08	0.00
9/6/1963	0.01	0.08	0.00	0.08	0.00
9/7/1963	0.00	0.08	0.00	0.08	0.00
9/8/1963	0.00	0.08	0.00	0.08	0.00
9/9/1963	0.00	0.08	0.00	0.08	0.00
9/10/1963	0.00	0.08	0.00	0.08	0.00
9/11/1963	0.00	0.08	0.00	0.08	0.00
9/12/1963	0.00	0.08	0.00	0.08	0.00
9/13/1963	0.28	0.08	0.00	0.08	0.04
9/14/1963	0.00	0.08	0.00	0.08	0.00
9/15/1963	0.00	0.08	0.00	0.08	0.00
9/16/1963	0.02	0.08	0.00	0.08	0.00
9/17/1963	0.19	0.08	0.00	0.08	0.02
9/18/1963	0.01	0.08	0.00	0.08	0.00
9/19/1963	0.00	0.08	0.00	0.08	0.00
9/20/1963	0.04	0.08	0.00	0.08	0.00
9/21/1963	1.21	0.08	0.00	0.08	0.24
9/22/1963	0.00	0.08	0.00	0.08	0.00
9/23/1963	0.00	0.08	0.00	0.08	0.00
9/24/1963	0.00	0.08	0.00	0.08	0.00
9/25/1963	0.00	0.08	0.00	0.08	0.00
9/26/1963	0.00	0.08	0.00	0.08	0.00
9/27/1963	0.00	0.08	0.00	0.08	0.00
9/28/1963	0.00	0.08	0.00	0.08	0.00
9/29/1963	0.49	0.08	0.00	0.08	0.09
9/30/1963	1.06	0.08	0.00	0.08	0.21
10/1/1963	0.00	0.03	0.00	0.03	0.00
10/2/1963	0.00	0.03	0.00	0.03	0.00
10/3/1963	0.00	0.03	0.00	0.03	0.00
10/4/1963	0.03	0.03	0.00	0.03	0.00
10/5/1963	0.00	0.03	0.00	0.03	0.00
10/6/1963	0.00	0.03	0.00	0.03	0.00
10/7/1963	0.00	0.03	0.00	0.03	0.00
10/8/1963	0.00	0.03	0.00	0.03	0.00
10/9/1963	0.00	0.03	0.00	0.03	0.00
10/10/1963	0.00	0.03	0.00	0.03	0.00
10/11/1963	0.00	0.03	0.00	0.03	0.00
10/12/1963	0.00	0.03	0.00	0.03	0.00
10/13/1963	0.00	0.03	0.00	0.03	0.00
10/14/1963	0.00	0.03	0.00	0.03	0.00
10/15/1963	0.00	0.03	0.00	0.03	0.00
10/16/1963	0.00	0.03	0.00	0.03	0.00
10/17/1963	0.00	0.03	0.00	0.03	0.00
10/18/1963	0.00	0.03	0.00	0.03	0.00
10/19/1963	0.00	0.03	0.00	0.03	0.00
10/20/1963	0.00	0.03	0.00	0.03	0.00
10/21/1963	0.00	0.03	0.00	0.03	0.00
10/22/1963	0.00	0.03	0.00	0.03	0.00
10/23/1963	0.00	0.03	0.00	0.03	0.00
10/24/1963	0.00	0.03	0.00	0.03	0.00
10/25/1963	0.00	0.03	0.00	0.03	0.00
10/26/1963	0.00	0.03	0.00	0.03	0.00
10/27/1963	0.00	0.03	0.00	0.03	0.00
10/28/1963	0.06	0.03	0.00	0.03	0.01
10/29/1963	0.00	0.03	0.00	0.03	0.00
10/30/1963	0.00	0.03	0.00	0.03	0.00
10/31/1963	0.00	0.03	0.00	0.03	0.00
11/1/1963	0.03	0.03	0.00	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/2/1963	0.31	0.03	0.00	0.03	0.05
11/3/1963	0.03	0.03	0.00	0.03	0.00
11/4/1963	0.00	0.03	0.00	0.03	0.00
11/5/1963	0.00	0.03	0.00	0.03	0.00
11/6/1963	0.49	0.03	0.00	0.03	0.09
11/7/1963	1.20	0.03	0.00	0.03	0.22
11/8/1963	2.67	0.03	0.00	0.03	0.49
11/9/1963	0.45	0.03	0.00	0.03	0.08
11/10/1963	0.00	0.03	0.00	0.03	0.00
11/11/1963	0.45	0.03	0.00	0.03	0.08
11/12/1963	0.03	0.03	0.00	0.03	0.00
11/13/1963	0.00	0.03	0.00	0.03	0.00
11/14/1963	0.00	0.03	0.00	0.03	0.00
11/15/1963	0.00	0.03	0.01	0.03	0.00
11/16/1963	0.00	0.03	0.01	0.03	0.00
11/17/1963	0.00	0.03	0.01	0.03	0.00
11/18/1963	0.00	0.03	0.01	0.03	0.00
11/19/1963	0.00	0.03	0.01	0.03	0.00
11/20/1963	0.00	0.03	0.01	0.03	0.00
11/21/1963	0.00	0.03	0.01	0.03	0.00
11/22/1963	0.00	0.03	0.01	0.03	0.00
11/23/1963	0.00	0.03	0.01	0.03	0.00
11/24/1963	0.81	0.03	0.01	0.03	0.15
11/25/1963	0.00	0.03	0.01	0.03	0.00
11/26/1963	0.00	0.03	0.01	0.03	0.00
11/27/1963	0.00	0.03	0.01	0.03	0.00
11/28/1963	0.00	0.03	0.01	0.03	0.00
11/29/1963	0.00	0.03	0.01	0.03	0.00
11/30/1963	1.14	0.03	0.01	0.03	0.21
12/1/1963	0.00	0.01	0.01	0.01	0.00
12/2/1963	0.00	0.01	0.01	0.01	0.00
12/3/1963	0.10	0.01	0.01	0.01	0.00
12/4/1963	0.01	0.01	0.01	0.01	0.00
12/5/1963	0.00	0.01	0.01	0.01	0.00
12/6/1963	0.00	0.01	0.01	0.01	0.00
12/7/1963	0.00	0.01	0.01	0.01	0.00
12/8/1963	0.00	0.01	0.01	0.01	0.00
12/9/1963	1.09	0.01	0.01	0.01	0.05
12/10/1963	0.00	0.01	0.01	0.01	0.00
12/11/1963	0.00	0.01	0.01	0.01	0.00
12/12/1963	0.16	0.01	0.01	0.01	0.01
12/13/1963	0.13	0.01	0.01	0.01	0.01
12/14/1963	0.00	0.01	0.01	0.01	0.00
12/15/1963	0.00	0.01	0.01	0.01	0.00
12/16/1963	0.00	0.01	0.01	0.01	0.00
12/17/1963	0.00	0.01	0.01	0.01	0.00
12/18/1963	0.01	0.01	0.01	0.01	0.00
12/19/1963	0.13	0.01	0.01	0.01	0.01
12/20/1963	0.00	0.01	0.01	0.01	0.00
12/21/1963	0.00	0.01	0.01	0.01	0.00
12/22/1963	0.00	0.01	0.01	0.01	0.00
12/23/1963	0.00	0.01	0.01	0.01	0.00
12/24/1963	0.48	0.01	0.01	0.01	0.02
12/25/1963	0.03	0.01	0.01	0.01	0.00
12/26/1963	0.00	0.01	0.01	0.01	0.00
12/27/1963	0.00	0.01	0.01	0.01	0.00
12/28/1963	0.10	0.01	0.01	0.01	0.00
12/29/1963	0.00	0.01	0.01	0.01	0.00
12/30/1963	0.00	0.01	0.01	0.01	0.00
12/31/1963	0.00	0.01	0.01	0.01	0.00
1/1/1964	0.00	0.01	0.01	0.01	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/2/1964	0.50	0.01	0.01	0.01	0.01
1/3/1964	0.00	0.01	0.01	0.01	0.00
1/4/1964	0.00	0.01	0.01	0.01	0.00
1/5/1964	0.00	0.01	0.01	0.01	0.00
1/6/1964	0.00	0.01	0.01	0.01	0.00
1/7/1964	0.03	0.01	0.01	0.01	0.00
1/8/1964	0.00	0.01	0.01	0.01	0.00
1/9/1964	0.00	0.01	0.01	0.01	0.00
1/10/1964	0.55	0.01	0.01	0.01	0.01
1/11/1964	0.00	0.01	0.01	0.01	0.00
1/12/1964	0.00	0.01	0.01	0.01	0.00
1/13/1964	0.22	0.01	0.01	0.01	0.00
1/14/1964	0.78	0.01	0.01	0.01	0.01
1/15/1964	0.00	0.01	0.01	0.01	0.00
1/16/1964	0.00	0.01	0.01	0.01	0.00
1/17/1964	0.00	0.01	0.01	0.01	0.00
1/18/1964	0.00	0.01	0.01	0.01	0.00
1/19/1964	0.00	0.01	0.01	0.01	0.00
1/20/1964	0.00	0.01	0.01	0.01	0.00
1/21/1964	0.90	0.01	0.01	0.01	0.01
1/22/1964	0.00	0.01	0.01	0.01	0.00
1/23/1964	0.00	0.01	0.02	0.01	0.00
1/24/1964	0.00	0.01	0.02	0.01	0.00
1/25/1964	0.15	0.01	0.02	0.01	0.00
1/26/1964	0.15	0.01	0.03	0.01	0.00
1/27/1964	0.00	0.01	0.03	0.01	0.00
1/28/1964	0.16	0.01	0.03	0.01	0.00
1/29/1964	0.16	0.01	0.03	0.01	0.00
1/30/1964	0.00	0.01	0.03	0.01	0.00
1/31/1964	0.00	0.01	0.04	0.01	0.00
2/1/1964	0.17	0.01	0.04	0.01	0.00
2/2/1964	0.11	0.01	0.04	0.01	0.00
2/3/1964	0.00	0.01	0.04	0.01	0.00
2/4/1964	0.00	0.01	0.04	0.01	0.00
2/5/1964	0.00	0.01	0.04	0.01	0.00
2/6/1964	0.00	0.01	0.04	0.01	0.00
2/7/1964	0.94	0.01	0.04	0.01	0.00
2/8/1964	0.00	0.01	0.04	0.01	0.00
2/9/1964	0.00	0.01	0.04	0.01	0.00
2/10/1964	0.00	0.01	0.04	0.01	0.00
2/11/1964	0.00	0.01	0.04	0.01	0.00
2/12/1964	0.00	0.01	0.03	0.01	0.00
2/13/1964	0.00	0.01	0.03	0.01	0.00
2/14/1964	0.04	0.01	0.03	0.01	0.00
2/15/1964	0.00	0.01	0.03	0.01	0.00
2/16/1964	0.63	0.01	0.03	0.01	0.00
2/17/1964	0.18	0.01	0.03	0.01	0.00
2/18/1964	0.00	0.01	0.03	0.01	0.00
2/19/1964	0.47	0.01	0.03	0.01	0.00
2/20/1964	0.60	0.01	0.03	0.01	0.00
2/21/1964	0.00	0.01	0.03	0.01	0.00
2/22/1964	0.00	0.01	0.03	0.01	0.00
2/23/1964	0.00	0.01	0.02	0.01	0.00
2/24/1964	0.00	0.01	0.02	0.01	0.00
2/25/1964	0.00	0.01	0.02	0.01	0.00
2/26/1964	0.00	0.01	0.02	0.01	0.00
2/27/1964	0.00	0.01	0.02	0.01	0.00
2/28/1964	0.00	0.01	0.02	0.01	0.00
2/29/1964	0.13	0.01	0.02	0.01	0.00
3/1/1964	0.00	0.03	0.02	0.03	0.00
3/2/1964	0.06	0.03	0.02	0.03	0.01

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/3/1964	0.00	0.03	0.02	0.03	0.00
3/4/1964	0.00	0.03	0.02	0.03	0.00
3/5/1964	0.02	0.03	0.02	0.03	0.00
3/6/1964	0.00	0.03	0.03	0.03	0.00
3/7/1964	0.00	0.03	0.03	0.03	0.00
3/8/1964	0.00	0.03	0.03	0.03	0.00
3/9/1964	0.30	0.03	0.03	0.03	0.24
3/10/1964	0.56	0.03	0.03	0.03	0.49
3/11/1964	0.57	0.03	0.04	0.03	0.50
3/12/1964	0.01	0.03	0.04	0.03	0.00
3/13/1964	0.11	0.03	0.04	0.03	0.03
3/14/1964	0.00	0.03	0.05	0.03	0.00
3/15/1964	0.08	0.03	0.05	0.03	0.00
3/16/1964	0.00	0.03	0.05	0.03	0.00
3/17/1964	0.00	0.03	0.05	0.03	0.00
3/18/1964	0.12	0.03	0.05	0.03	0.04
3/19/1964	0.00	0.03	0.05	0.03	0.00
3/20/1964	0.00	0.03	0.05	0.03	0.00
3/21/1964	0.00	0.03	0.05	0.03	0.00
3/22/1964	0.00	0.03	0.05	0.03	0.00
3/23/1964	0.00	0.03	0.05	0.03	0.00
3/24/1964	0.00	0.03	0.05	0.03	0.00
3/25/1964	0.00	0.03	0.05	0.03	0.00
3/26/1964	0.00	0.03	0.05	0.03	0.00
3/27/1964	0.04	0.03	0.05	0.03	0.00
3/28/1964	0.00	0.03	0.04	0.03	0.00
3/29/1964	0.33	0.03	0.04	0.03	0.25
3/30/1964	0.00	0.03	0.04	0.03	0.00
3/31/1964	0.00	0.03	0.04	0.03	0.00
4/1/1964	0.00	0.05	0.04	0.05	0.00
4/2/1964	0.00	0.05	0.04	0.05	0.00
4/3/1964	0.23	0.05	0.04	0.05	0.01
4/4/1964	0.02	0.05	0.04	0.05	0.00
4/5/1964	0.00	0.05	0.04	0.05	0.00
4/6/1964	0.00	0.05	0.04	0.05	0.00
4/7/1964	1.21	0.05	0.04	0.05	0.09
4/8/1964	0.15	0.05	0.04	0.05	0.00
4/9/1964	0.26	0.05	0.04	0.05	0.01
4/10/1964	0.00	0.05	0.04	0.05	0.00
4/11/1964	0.00	0.05	0.04	0.05	0.00
4/12/1964	0.00	0.05	0.04	0.05	0.00
4/13/1964	0.00	0.05	0.04	0.05	0.00
4/14/1964	0.19	0.05	0.04	0.05	0.01
4/15/1964	0.89	0.05	0.04	0.05	0.06
4/16/1964	0.00	0.05	0.04	0.05	0.00
4/17/1964	0.00	0.05	0.04	0.05	0.00
4/18/1964	0.00	0.05	0.04	0.05	0.00
4/19/1964	0.44	0.05	0.04	0.05	0.03
4/20/1964	0.16	0.05	0.04	0.05	0.00
4/21/1964	0.33	0.05	0.04	0.05	0.02
4/22/1964	0.05	0.05	0.04	0.05	0.00
4/23/1964	0.01	0.05	0.04	0.05	0.00
4/24/1964	0.00	0.05	0.04	0.05	0.00
4/25/1964	0.00	0.05	0.04	0.05	0.00
4/26/1964	0.00	0.05	0.04	0.05	0.00
4/27/1964	0.00	0.05	0.04	0.05	0.00
4/28/1964	0.04	0.05	0.04	0.05	0.00
4/29/1964	0.05	0.05	0.04	0.05	0.00
4/30/1964	0.09	0.05	0.04	0.05	0.00
5/1/1964	0.03	0.11	0.04	0.11	0.00
5/2/1964	0.00	0.11	0.04	0.11	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/3/1964	0.00	0.11	0.04	0.11	0.00
5/4/1964	0.00	0.11	0.04	0.11	0.00
5/5/1964	0.00	0.11	0.04	0.11	0.00
5/6/1964	0.00	0.11	0.04	0.11	0.00
5/7/1964	0.00	0.11	0.03	0.11	0.00
5/8/1964	0.00	0.11	0.03	0.11	0.00
5/9/1964	0.00	0.11	0.03	0.11	0.00
5/10/1964	0.00	0.11	0.03	0.11	0.00
5/11/1964	0.00	0.11	0.03	0.11	0.00
5/12/1964	0.00	0.11	0.03	0.11	0.00
5/13/1964	0.00	0.11	0.02	0.11	0.00
5/14/1964	0.22	0.11	0.02	0.11	0.08
5/15/1964	1.04	0.11	0.02	0.11	0.82
5/16/1964	0.00	0.11	0.02	0.11	0.00
5/17/1964	0.00	0.11	0.02	0.11	0.00
5/18/1964	0.00	0.11	0.02	0.11	0.00
5/19/1964	0.00	0.11	0.02	0.11	0.00
5/20/1964	0.44	0.11	0.02	0.11	0.28
5/21/1964	0.00	0.11	0.02	0.11	0.00
5/22/1964	0.00	0.11	0.02	0.11	0.00
5/23/1964	0.00	0.11	0.02	0.11	0.00
5/24/1964	0.00	0.11	0.02	0.11	0.00
5/25/1964	0.00	0.11	0.02	0.11	0.00
5/26/1964	0.00	0.11	0.01	0.11	0.00
5/27/1964	0.00	0.11	0.01	0.11	0.00
5/28/1964	0.00	0.11	0.01	0.11	0.00
5/29/1964	0.00	0.11	0.01	0.11	0.00
5/30/1964	0.00	0.11	0.01	0.11	0.00
5/31/1964	0.00	0.11	0.01	0.11	0.00
6/1/1964	0.00	0.14	0.01	0.14	0.00
6/2/1964	0.04	0.14	0.01	0.14	0.00
6/3/1964	0.00	0.14	0.01	0.14	0.00
6/4/1964	0.48	0.14	0.01	0.14	0.11
6/5/1964	0.00	0.14	0.01	0.14	0.00
6/6/1964	0.00	0.14	0.01	0.14	0.00
6/7/1964	0.26	0.14	0.01	0.14	0.04
6/8/1964	1.47	0.14	0.01	0.14	0.44
6/9/1964	0.01	0.14	0.01	0.14	0.00
6/10/1964	0.00	0.14	0.01	0.14	0.00
6/11/1964	0.00	0.14	0.01	0.14	0.00
6/12/1964	0.00	0.14	0.01	0.14	0.00
6/13/1964	0.00	0.14	0.01	0.14	0.00
6/14/1964	0.02	0.14	0.01	0.14	0.00
6/15/1964	0.00	0.14	0.01	0.14	0.00
6/16/1964	0.27	0.14	0.01	0.14	0.04
6/17/1964	0.00	0.14	0.01	0.14	0.00
6/18/1964	0.00	0.14	0.01	0.14	0.00
6/19/1964	0.00	0.14	0.01	0.14	0.00
6/20/1964	0.04	0.14	0.01	0.14	0.00
6/21/1964	0.00	0.14	0.01	0.14	0.00
6/22/1964	0.00	0.14	0.01	0.14	0.00
6/23/1964	0.01	0.14	0.01	0.14	0.00
6/24/1964	0.00	0.14	0.01	0.14	0.00
6/25/1964	0.91	0.14	0.01	0.14	0.25
6/26/1964	0.00	0.14	0.01	0.14	0.00
6/27/1964	0.00	0.14	0.01	0.14	0.00
6/28/1964	0.00	0.14	0.01	0.14	0.00
6/29/1964	0.00	0.14	0.01	0.14	0.00
6/30/1964	0.00	0.14	0.01	0.14	0.00
7/1/1964	0.00	0.14	0.00	0.14	0.00
7/2/1964	0.00	0.14	0.00	0.14	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/3/1964	0.00	0.14	0.00	0.14	0.00
7/4/1964	0.00	0.14	0.00	0.14	0.00
7/5/1964	0.27	0.14	0.00	0.14	0.03
7/6/1964	0.02	0.14	0.00	0.14	0.00
7/7/1964	0.00	0.14	0.00	0.14	0.00
7/8/1964	0.00	0.14	0.00	0.14	0.00
7/9/1964	0.56	0.14	0.00	0.14	0.12
7/10/1964	0.42	0.14	0.00	0.14	0.08
7/11/1964	0.19	0.14	0.00	0.14	0.01
7/12/1964	0.00	0.14	0.00	0.14	0.00
7/13/1964	0.00	0.14	0.00	0.14	0.00
7/14/1964	0.04	0.14	0.00	0.14	0.00
7/15/1964	0.01	0.14	0.00	0.14	0.00
7/16/1964	0.00	0.14	0.00	0.14	0.00
7/17/1964	0.00	0.14	0.00	0.14	0.00
7/18/1964	0.00	0.14	0.00	0.14	0.00
7/19/1964	0.00	0.14	0.00	0.14	0.00
7/20/1964	0.07	0.14	0.00	0.14	0.00
7/21/1964	0.00	0.14	0.00	0.14	0.00
7/22/1964	0.00	0.14	0.00	0.14	0.00
7/23/1964	0.18	0.14	0.00	0.14	0.01
7/24/1964	0.07	0.14	0.00	0.14	0.00
7/25/1964	0.00	0.14	0.00	0.14	0.00
7/26/1964	0.00	0.14	0.00	0.14	0.00
7/27/1964	0.00	0.14	0.00	0.14	0.00
7/28/1964	0.00	0.14	0.00	0.14	0.00
7/29/1964	0.00	0.14	0.00	0.14	0.00
7/30/1964	0.24	0.14	0.00	0.14	0.03
7/31/1964	0.00	0.14	0.00	0.14	0.00
8/1/1964	0.00	0.08	0.00	0.08	0.00
8/2/1964	0.00	0.08	0.00	0.08	0.00
8/3/1964	0.04	0.08	0.00	0.08	0.00
8/4/1964	0.00	0.08	0.00	0.08	0.00
8/5/1964	0.00	0.08	0.00	0.08	0.00
8/6/1964	0.38	0.08	0.00	0.08	0.07
8/7/1964	0.00	0.08	0.00	0.08	0.00
8/8/1964	0.00	0.08	0.00	0.08	0.00
8/9/1964	0.00	0.08	0.00	0.08	0.00
8/10/1964	0.00	0.08	0.00	0.08	0.00
8/11/1964	0.00	0.08	0.00	0.08	0.00
8/12/1964	0.19	0.08	0.00	0.08	0.03
8/13/1964	1.01	0.08	0.00	0.08	0.23
8/14/1964	0.00	0.08	0.00	0.08	0.00
8/15/1964	0.00	0.08	0.00	0.08	0.00
8/16/1964	0.00	0.08	0.00	0.08	0.00
8/17/1964	0.00	0.08	0.00	0.08	0.00
8/18/1964	0.00	0.08	0.00	0.08	0.00
8/19/1964	0.11	0.08	0.00	0.08	0.01
8/20/1964	0.00	0.08	0.00	0.08	0.00
8/21/1964	0.00	0.08	0.00	0.08	0.00
8/22/1964	0.12	0.08	0.00	0.08	0.01
8/23/1964	0.00	0.08	0.00	0.08	0.00
8/24/1964	0.00	0.08	0.00	0.08	0.00
8/25/1964	0.00	0.08	0.00	0.08	0.00
8/26/1964	0.00	0.08	0.00	0.08	0.00
8/27/1964	0.00	0.08	0.00	0.08	0.00
8/28/1964	0.00	0.08	0.00	0.08	0.00
8/29/1964	0.00	0.08	0.00	0.08	0.00
8/30/1964	0.00	0.08	0.00	0.08	0.00
8/31/1964	0.00	0.08	0.00	0.08	0.00
9/1/1964	0.02	0.03	0.00	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/2/1964	0.00	0.03	0.00	0.03	0.00
9/3/1964	0.00	0.03	0.00	0.03	0.00
9/4/1964	0.00	0.03	0.00	0.03	0.00
9/5/1964	0.00	0.03	0.00	0.03	0.00
9/6/1964	0.00	0.03	0.00	0.03	0.00
9/7/1964	0.00	0.03	0.00	0.03	0.00
9/8/1964	0.00	0.03	0.00	0.03	0.00
9/9/1964	0.00	0.03	0.00	0.03	0.00
9/10/1964	0.00	0.03	0.00	0.03	0.00
9/11/1964	0.00	0.03	0.00	0.03	0.00
9/12/1964	0.00	0.03	0.00	0.03	0.00
9/13/1964	0.00	0.03	0.00	0.03	0.00
9/14/1964	0.00	0.03	0.00	0.03	0.00
9/15/1964	0.00	0.03	0.00	0.03	0.00
9/16/1964	0.00	0.03	0.00	0.03	0.00
9/17/1964	0.00	0.03	0.00	0.03	0.00
9/18/1964	0.00	0.03	0.00	0.03	0.00
9/19/1964	0.00	0.03	0.00	0.03	0.00
9/20/1964	0.00	0.03	0.00	0.03	0.00
9/21/1964	0.00	0.03	0.00	0.03	0.00
9/22/1964	0.00	0.03	0.00	0.03	0.00
9/23/1964	0.00	0.03	0.00	0.03	0.00
9/24/1964	0.00	0.03	0.00	0.03	0.00
9/25/1964	0.00	0.03	0.00	0.03	0.00
9/26/1964	0.03	0.03	0.00	0.03	0.00
9/27/1964	0.00	0.03	0.00	0.03	0.00
9/28/1964	0.02	0.03	0.00	0.03	0.00
9/29/1964	0.00	0.03	0.00	0.03	0.00
9/30/1964	0.00	0.03	0.00	0.03	0.00
10/1/1964	0.00	0.04	0.00	0.04	0.00
10/2/1964	0.00	0.04	0.00	0.04	0.00
10/3/1964	0.88	0.04	0.00	0.04	0.18
10/4/1964	0.00	0.04	0.00	0.04	0.00
10/5/1964	0.00	0.04	0.00	0.04	0.00
10/6/1964	0.00	0.04	0.00	0.04	0.00
10/7/1964	0.00	0.04	0.00	0.04	0.00
10/8/1964	0.00	0.04	0.00	0.04	0.00
10/9/1964	0.00	0.04	0.00	0.04	0.00
10/10/1964	0.00	0.04	0.00	0.04	0.00
10/11/1964	0.00	0.04	0.00	0.04	0.00
10/12/1964	0.00	0.04	0.00	0.04	0.00
10/13/1964	0.00	0.04	0.00	0.04	0.00
10/14/1964	0.00	0.04	0.00	0.04	0.00
10/15/1964	0.00	0.04	0.00	0.04	0.00
10/16/1964	0.00	0.04	0.00	0.04	0.00
10/17/1964	0.00	0.04	0.00	0.04	0.00
10/18/1964	0.27	0.04	0.00	0.04	0.05
10/19/1964	0.00	0.04	0.00	0.04	0.00
10/20/1964	0.17	0.04	0.00	0.04	0.03
10/21/1964	0.23	0.04	0.00	0.04	0.04
10/22/1964	0.00	0.04	0.00	0.04	0.00
10/23/1964	0.00	0.04	0.00	0.04	0.00
10/24/1964	0.00	0.04	0.00	0.04	0.00
10/25/1964	0.00	0.04	0.00	0.04	0.00
10/26/1964	0.00	0.04	0.00	0.04	0.00
10/27/1964	0.00	0.04	0.00	0.04	0.00
10/28/1964	0.00	0.04	0.00	0.04	0.00
10/29/1964	0.00	0.04	0.00	0.04	0.00
10/30/1964	0.01	0.04	0.00	0.04	0.00
10/31/1964	0.00	0.04	0.00	0.04	0.00
11/1/1964	0.00	0.03	0.00	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/2/1964	0.00	0.03	0.00	0.03	0.00
11/3/1964	0.00	0.03	0.00	0.03	0.00
11/4/1964	0.00	0.03	0.00	0.03	0.00
11/5/1964	0.00	0.03	0.00	0.03	0.00
11/6/1964	0.07	0.03	0.00	0.03	0.01
11/7/1964	0.00	0.03	0.00	0.03	0.00
11/8/1964	0.00	0.03	0.00	0.03	0.00
11/9/1964	0.00	0.03	0.00	0.03	0.00
11/10/1964	0.00	0.03	0.00	0.03	0.00
11/11/1964	0.00	0.03	0.00	0.03	0.00
11/12/1964	0.00	0.03	0.00	0.03	0.00
11/13/1964	0.00	0.03	0.00	0.03	0.00
11/14/1964	0.00	0.03	0.00	0.03	0.00
11/15/1964	0.00	0.03	0.00	0.03	0.00
11/16/1964	0.00	0.03	0.00	0.03	0.00
11/17/1964	0.03	0.03	0.00	0.03	0.00
11/18/1964	0.00	0.03	0.00	0.03	0.00
11/19/1964	0.00	0.03	0.00	0.03	0.00
11/20/1964	0.43	0.03	0.00	0.03	0.09
11/21/1964	0.06	0.03	0.00	0.03	0.01
11/22/1964	0.00	0.03	0.00	0.03	0.00
11/23/1964	0.00	0.03	0.00	0.03	0.00
11/24/1964	0.00	0.03	0.00	0.03	0.00
11/25/1964	0.00	0.03	0.00	0.03	0.00
11/26/1964	0.89	0.03	0.00	0.03	0.18
11/27/1964	0.00	0.03	0.00	0.03	0.00
11/28/1964	0.00	0.03	0.00	0.03	0.00
11/29/1964	0.08	0.03	0.00	0.03	0.01
11/30/1964	0.00	0.03	0.00	0.03	0.00
12/1/1964	0.00	0.00	0.00	0.00	0.00
12/2/1964	0.00	0.00	0.00	0.00	0.00
12/3/1964	0.00	0.00	0.00	0.00	0.00
12/4/1964	0.29	0.00	0.00	0.00	0.00
12/5/1964	0.92	0.00	0.00	0.00	0.00
12/6/1964	0.58	0.00	0.00	0.00	0.00
12/7/1964	0.00	0.00	0.00	0.00	0.00
12/8/1964	0.00	0.00	0.00	0.00	0.00
12/9/1964	0.00	0.00	0.00	0.00	0.00
12/10/1964	0.00	0.00	0.00	0.00	0.00
12/11/1964	0.00	0.00	0.00	0.00	0.00
12/12/1964	0.29	0.00	0.00	0.00	0.00
12/13/1964	0.03	0.00	0.00	0.00	0.00
12/14/1964	0.00	0.00	0.00	0.00	0.00
12/15/1964	0.00	0.00	0.00	0.00	0.00
12/16/1964	0.00	0.00	0.00	0.00	0.00
12/17/1964	0.00	0.00	0.00	0.00	0.00
12/18/1964	0.03	0.00	0.00	0.00	0.00
12/19/1964	0.00	0.00	0.00	0.00	0.00
12/20/1964	0.21	0.00	0.00	0.00	0.00
12/21/1964	0.12	0.00	0.00	0.00	0.00
12/22/1964	0.00	0.00	0.00	0.00	0.00
12/23/1964	0.00	0.00	0.00	0.00	0.00
12/24/1964	0.01	0.00	0.00	0.00	0.00
12/25/1964	0.00	0.00	0.00	0.00	0.00
12/26/1964	0.00	0.00	0.00	0.00	0.00
12/27/1964	0.16	0.00	0.00	0.00	0.00
12/28/1964	0.96	0.00	0.00	0.00	0.00
12/29/1964	0.00	0.00	0.00	0.00	0.00
12/30/1964	0.00	0.00	0.00	0.00	0.00
12/31/1964	0.00	0.00	0.00	0.00	0.00
1/1/1965	0.00	0.00	0.00	0.00	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/2/1965	0.00	0.00	0.00	0.00	0.00
1/3/1965	0.63	0.00	0.00	0.00	0.00
1/4/1965	0.00	0.00	0.00	0.00	0.00
1/5/1965	0.00	0.00	0.00	0.00	0.00
1/6/1965	0.00	0.00	0.00	0.00	0.00
1/7/1965	0.00	0.00	0.00	0.00	0.00
1/8/1965	0.35	0.00	0.00	0.00	0.00
1/9/1965	0.15	0.00	0.00	0.00	0.00
1/10/1965	0.00	0.00	0.00	0.00	0.00
1/11/1965	0.30	0.00	0.00	0.00	0.00
1/12/1965	0.00	0.00	0.00	0.00	0.00
1/13/1965	0.00	0.00	0.00	0.00	0.00
1/14/1965	0.00	0.00	0.00	0.00	0.00
1/15/1965	0.00	0.00	0.00	0.00	0.00
1/16/1965	0.07	0.00	0.00	0.00	0.00
1/17/1965	0.13	0.00	0.00	0.00	0.00
1/18/1965	0.00	0.00	0.00	0.00	0.00
1/19/1965	0.00	0.00	0.00	0.00	0.00
1/20/1965	0.00	0.00	0.00	0.00	0.00
1/21/1965	0.00	0.00	0.00	0.00	0.00
1/22/1965	0.00	0.00	0.00	0.00	0.00
1/23/1965	0.51	0.00	0.00	0.00	0.00
1/24/1965	1.34	0.00	0.00	0.00	0.00
1/25/1965	0.08	0.00	0.00	0.00	0.00
1/26/1965	0.00	0.00	0.00	0.00	0.00
1/27/1965	0.09	0.00	0.00	0.00	0.00
1/28/1965	0.00	0.00	0.00	0.00	0.00
1/29/1965	0.00	0.00	0.00	0.00	0.00
1/30/1965	0.00	0.00	0.00	0.00	0.00
1/31/1965	0.00	0.00	0.00	0.00	0.00
2/1/1965	0.00	0.00	0.00	0.00	0.00
2/2/1965	0.05	0.00	0.00	0.00	0.00
2/3/1965	0.00	0.00	0.00	0.00	0.00
2/4/1965	0.00	0.00	0.00	0.00	0.00
2/5/1965	0.00	0.00	0.00	0.00	0.00
2/6/1965	0.00	0.00	0.00	0.00	0.00
2/7/1965	0.00	0.00	0.00	0.00	0.00
2/8/1965	0.00	0.00	0.00	0.00	0.00
2/9/1965	0.00	0.00	0.01	0.00	0.00
2/10/1965	0.06	0.00	0.01	0.00	0.00
2/11/1965	0.25	0.00	0.01	0.00	0.00
2/12/1965	0.00	0.00	0.01	0.00	0.00
2/13/1965	0.00	0.00	0.01	0.00	0.00
2/14/1965	0.00	0.00	0.01	0.00	0.00
2/15/1965	0.00	0.00	0.02	0.00	0.00
2/16/1965	0.00	0.00	0.02	0.00	0.00
2/17/1965	0.00	0.00	0.02	0.00	0.00
2/18/1965	0.00	0.00	0.02	0.00	0.00
2/19/1965	0.00	0.00	0.02	0.00	0.00
2/20/1965	0.00	0.00	0.02	0.00	0.00
2/21/1965	0.00	0.00	0.02	0.00	0.00
2/22/1965	0.39	0.00	0.02	0.00	0.00
2/23/1965	0.00	0.00	0.02	0.00	0.00
2/24/1965	0.00	0.00	0.02	0.00	0.00
2/25/1965	0.25	0.00	0.02	0.00	0.00
2/26/1965	0.37	0.00	0.02	0.00	0.00
2/27/1965	0.00	0.00	0.02	0.00	0.00
2/28/1965	0.00	0.00	0.02	0.00	0.00
3/1/1965	0.00	0.03	0.02	0.03	0.00
3/2/1965	0.00	0.03	0.02	0.03	0.00
3/3/1965	0.00	0.03	0.02	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/4/1965	0.00	0.03	0.02	0.03	0.00
3/5/1965	0.00	0.03	0.02	0.03	0.00
3/6/1965	0.83	0.03	0.02	0.03	0.16
3/7/1965	0.00	0.03	0.02	0.03	0.00
3/8/1965	0.00	0.03	0.02	0.03	0.00
3/9/1965	0.00	0.03	0.02	0.03	0.00
3/10/1965	0.00	0.03	0.02	0.03	0.00
3/11/1965	0.04	0.03	0.02	0.03	0.00
3/12/1965	0.00	0.03	0.02	0.03	0.00
3/13/1965	0.00	0.03	0.02	0.03	0.00
3/14/1965	0.00	0.03	0.02	0.03	0.00
3/15/1965	0.18	0.03	0.02	0.03	0.03
3/16/1965	0.00	0.03	0.02	0.03	0.00
3/17/1965	0.01	0.03	0.02	0.03	0.00
3/18/1965	0.27	0.03	0.02	0.03	0.05
3/19/1965	0.06	0.03	0.02	0.03	0.00
3/20/1965	0.00	0.03	0.02	0.03	0.00
3/21/1965	0.27	0.03	0.02	0.03	0.05
3/22/1965	0.00	0.03	0.02	0.03	0.00
3/23/1965	0.00	0.03	0.02	0.03	0.00
3/24/1965	0.14	0.03	0.02	0.03	0.02
3/25/1965	0.00	0.03	0.02	0.03	0.00
3/26/1965	0.13	0.03	0.02	0.03	0.02
3/27/1965	0.11	0.03	0.02	0.03	0.01
3/28/1965	0.00	0.03	0.02	0.03	0.00
3/29/1965	0.00	0.03	0.02	0.03	0.00
3/30/1965	0.14	0.03	0.02	0.03	0.02
3/31/1965	0.00	0.03	0.02	0.03	0.00
4/1/1965	0.00	0.05	0.02	0.05	0.00
4/2/1965	0.24	0.05	0.02	0.05	0.02
4/3/1965	0.00	0.05	0.02	0.05	0.00
4/4/1965	0.00	0.05	0.02	0.05	0.00
4/5/1965	0.00	0.05	0.02	0.05	0.00
4/6/1965	0.00	0.05	0.01	0.05	0.00
4/7/1965	0.27	0.05	0.01	0.05	0.03
4/8/1965	0.07	0.05	0.01	0.05	0.00
4/9/1965	0.07	0.05	0.01	0.05	0.00
4/10/1965	0.00	0.05	0.01	0.05	0.00
4/11/1965	0.00	0.05	0.01	0.05	0.00
4/12/1965	0.51	0.05	0.01	0.05	0.06
4/13/1965	0.00	0.05	0.01	0.05	0.00
4/14/1965	0.00	0.05	0.01	0.05	0.00
4/15/1965	0.00	0.05	0.01	0.05	0.00
4/16/1965	0.41	0.05	0.01	0.05	0.05
4/17/1965	0.00	0.05	0.01	0.05	0.00
4/18/1965	0.01	0.05	0.01	0.05	0.00
4/19/1965	0.19	0.05	0.02	0.05	0.02
4/20/1965	0.00	0.05	0.02	0.05	0.00
4/21/1965	0.00	0.05	0.02	0.05	0.00
4/22/1965	0.00	0.05	0.02	0.05	0.00
4/23/1965	0.00	0.05	0.02	0.05	0.00
4/24/1965	0.06	0.05	0.02	0.05	0.00
4/25/1965	0.00	0.05	0.02	0.05	0.00
4/26/1965	0.45	0.05	0.02	0.05	0.05
4/27/1965	0.06	0.05	0.02	0.05	0.00
4/28/1965	0.00	0.05	0.02	0.05	0.00
4/29/1965	0.00	0.05	0.02	0.05	0.00
4/30/1965	0.00	0.05	0.02	0.05	0.00
5/1/1965	0.00	0.12	0.02	0.12	0.00
5/2/1965	0.00	0.12	0.02	0.12	0.00
5/3/1965	0.00	0.12	0.02	0.12	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/4/1965	0.00	0.12	0.02	0.12	0.00
5/5/1965	0.28	0.12	0.02	0.12	0.04
5/6/1965	0.00	0.12	0.02	0.12	0.00
5/7/1965	0.00	0.12	0.02	0.12	0.00
5/8/1965	0.39	0.12	0.02	0.12	0.07
5/9/1965	0.00	0.12	0.02	0.12	0.00
5/10/1965	0.00	0.12	0.02	0.12	0.00
5/11/1965	0.00	0.12	0.02	0.12	0.00
5/12/1965	0.00	0.12	0.02	0.12	0.00
5/13/1965	0.00	0.12	0.02	0.12	0.00
5/14/1965	0.04	0.12	0.01	0.12	0.00
5/15/1965	0.00	0.12	0.01	0.12	0.00
5/16/1965	0.00	0.12	0.01	0.12	0.00
5/17/1965	0.00	0.12	0.01	0.12	0.00
5/18/1965	0.01	0.12	0.01	0.12	0.00
5/19/1965	0.00	0.12	0.01	0.12	0.00
5/20/1965	0.00	0.12	0.01	0.12	0.00
5/21/1965	0.00	0.12	0.01	0.12	0.00
5/22/1965	0.00	0.12	0.01	0.12	0.00
5/23/1965	0.00	0.12	0.01	0.12	0.00
5/24/1965	0.00	0.12	0.01	0.12	0.00
5/25/1965	0.00	0.12	0.01	0.12	0.00
5/26/1965	0.00	0.12	0.01	0.12	0.00
5/27/1965	0.00	0.12	0.01	0.12	0.00
5/28/1965	0.60	0.12	0.01	0.12	0.13
5/29/1965	0.20	0.12	0.01	0.12	0.02
5/30/1965	0.27	0.12	0.01	0.12	0.04
5/31/1965	0.00	0.12	0.01	0.12	0.00
6/1/1965	0.00	0.13	0.01	0.13	0.00
6/2/1965	0.02	0.13	0.01	0.13	0.00
6/3/1965	0.65	0.13	0.01	0.13	0.13
6/4/1965	0.00	0.13	0.01	0.13	0.00
6/5/1965	0.00	0.13	0.01	0.13	0.00
6/6/1965	0.00	0.13	0.01	0.13	0.00
6/7/1965	0.00	0.13	0.01	0.13	0.00
6/8/1965	0.00	0.13	0.01	0.13	0.00
6/9/1965	0.05	0.13	0.01	0.13	0.00
6/10/1965	0.00	0.13	0.01	0.13	0.00
6/11/1965	0.00	0.13	0.01	0.13	0.00
6/12/1965	0.00	0.13	0.01	0.13	0.00
6/13/1965	0.00	0.13	0.01	0.13	0.00
6/14/1965	0.00	0.13	0.01	0.13	0.00
6/15/1965	0.01	0.13	0.00	0.13	0.00
6/16/1965	0.00	0.13	0.00	0.13	0.00
6/17/1965	0.00	0.13	0.00	0.13	0.00
6/18/1965	0.00	0.13	0.00	0.13	0.00
6/19/1965	0.00	0.13	0.00	0.13	0.00
6/20/1965	0.18	0.13	0.00	0.13	0.01
6/21/1965	0.00	0.13	0.00	0.13	0.00
6/22/1965	0.00	0.13	0.00	0.13	0.00
6/23/1965	0.00	0.13	0.00	0.13	0.00
6/24/1965	0.15	0.13	0.00	0.13	0.01
6/25/1965	0.00	0.13	0.00	0.13	0.00
6/26/1965	0.00	0.13	0.00	0.13	0.00
6/27/1965	0.00	0.13	0.00	0.13	0.00
6/28/1965	0.00	0.13	0.00	0.13	0.00
6/29/1965	0.00	0.13	0.00	0.13	0.00
6/30/1965	0.00	0.13	0.00	0.13	0.00
7/1/1965	0.03	0.11	0.00	0.11	0.00
7/2/1965	0.00	0.11	0.00	0.11	0.00
7/3/1965	0.05	0.11	0.00	0.11	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/4/1965	0.02	0.11	0.00	0.11	0.00
7/5/1965	0.00	0.11	0.00	0.11	0.00
7/6/1965	0.05	0.11	0.00	0.11	0.00
7/7/1965	0.00	0.11	0.00	0.11	0.00
7/8/1965	0.06	0.11	0.00	0.11	0.00
7/9/1965	0.00	0.11	0.00	0.11	0.00
7/10/1965	0.00	0.11	0.00	0.11	0.00
7/11/1965	0.19	0.11	0.00	0.11	0.02
7/12/1965	0.00	0.11	0.00	0.11	0.00
7/13/1965	0.00	0.11	0.00	0.11	0.00
7/14/1965	0.00	0.11	0.00	0.11	0.00
7/15/1965	0.03	0.11	0.00	0.11	0.00
7/16/1965	0.00	0.11	0.00	0.11	0.00
7/17/1965	0.00	0.11	0.00	0.11	0.00
7/18/1965	0.86	0.11	0.00	0.11	0.16
7/19/1965	0.16	0.11	0.00	0.11	0.01
7/20/1965	0.00	0.11	0.00	0.11	0.00
7/21/1965	0.00	0.11	0.00	0.11	0.00
7/22/1965	0.00	0.11	0.00	0.11	0.00
7/23/1965	0.00	0.11	0.00	0.11	0.00
7/24/1965	0.00	0.11	0.00	0.11	0.00
7/25/1965	0.00	0.11	0.00	0.11	0.00
7/26/1965	0.00	0.11	0.00	0.11	0.00
7/27/1965	0.00	0.11	0.00	0.11	0.00
7/28/1965	0.32	0.11	0.00	0.11	0.05
7/29/1965	0.00	0.11	0.00	0.11	0.00
7/30/1965	0.00	0.11	0.00	0.11	0.00
7/31/1965	0.00	0.11	0.00	0.11	0.00
8/1/1965	0.00	0.13	0.00	0.13	0.00
8/2/1965	0.14	0.13	0.00	0.13	0.00
8/3/1965	1.02	0.13	0.00	0.13	0.19
8/4/1965	0.00	0.13	0.00	0.13	0.00
8/5/1965	0.04	0.13	0.00	0.13	0.00
8/6/1965	0.00	0.13	0.00	0.13	0.00
8/7/1965	0.00	0.13	0.00	0.13	0.00
8/8/1965	0.00	0.13	0.00	0.13	0.00
8/9/1965	0.19	0.13	0.00	0.13	0.01
8/10/1965	1.42	0.13	0.00	0.13	0.27
8/11/1965	0.00	0.13	0.00	0.13	0.00
8/12/1965	0.00	0.13	0.00	0.13	0.00
8/13/1965	0.00	0.13	0.00	0.13	0.00
8/14/1965	0.05	0.13	0.00	0.13	0.00
8/15/1965	0.00	0.13	0.00	0.13	0.00
8/16/1965	0.00	0.13	0.00	0.13	0.00
8/17/1965	0.00	0.13	0.00	0.13	0.00
8/18/1965	0.00	0.13	0.00	0.13	0.00
8/19/1965	0.93	0.13	0.00	0.13	0.17
8/20/1965	0.00	0.13	0.00	0.13	0.00
8/21/1965	0.00	0.13	0.00	0.13	0.00
8/22/1965	0.08	0.13	0.00	0.13	0.00
8/23/1965	0.02	0.13	0.00	0.13	0.00
8/24/1965	0.00	0.13	0.00	0.13	0.00
8/25/1965	0.00	0.13	0.00	0.13	0.00
8/26/1965	1.19	0.13	0.00	0.13	0.22
8/27/1965	0.11	0.13	0.00	0.13	0.00
8/28/1965	0.09	0.13	0.00	0.13	0.00
8/29/1965	0.00	0.13	0.00	0.13	0.00
8/30/1965	0.00	0.13	0.00	0.13	0.00
8/31/1965	0.00	0.13	0.00	0.13	0.00
9/1/1965	0.06	0.09	0.00	0.09	0.00
9/2/1965	0.71	0.09	0.00	0.09	0.13

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/3/1965	0.00	0.09	0.00	0.09	0.00
9/4/1965	0.00	0.09	0.00	0.09	0.00
9/5/1965	0.00	0.09	0.00	0.09	0.00
9/6/1965	0.00	0.09	0.00	0.09	0.00
9/7/1965	0.00	0.09	0.00	0.09	0.00
9/8/1965	0.00	0.09	0.00	0.09	0.00
9/9/1965	0.00	0.09	0.00	0.09	0.00
9/10/1965	0.00	0.09	0.00	0.09	0.00
9/11/1965	0.00	0.09	0.00	0.09	0.00
9/12/1965	0.00	0.09	0.00	0.09	0.00
9/13/1965	0.03	0.09	0.00	0.09	0.00
9/14/1965	0.82	0.09	0.00	0.09	0.15
9/15/1965	0.00	0.09	0.00	0.09	0.00
9/16/1965	0.46	0.09	0.00	0.09	0.08
9/17/1965	0.02	0.09	0.00	0.09	0.00
9/18/1965	0.10	0.09	0.00	0.09	0.00
9/19/1965	0.00	0.09	0.00	0.09	0.00
9/20/1965	0.00	0.09	0.00	0.09	0.00
9/21/1965	0.00	0.09	0.00	0.09	0.00
9/22/1965	0.00	0.09	0.00	0.09	0.00
9/23/1965	0.00	0.09	0.00	0.09	0.00
9/24/1965	0.01	0.09	0.00	0.09	0.00
9/25/1965	1.45	0.09	0.00	0.09	0.29
9/26/1965	0.00	0.09	0.00	0.09	0.00
9/27/1965	0.00	0.09	0.00	0.09	0.00
9/28/1965	0.00	0.09	0.00	0.09	0.00
9/29/1965	0.00	0.09	0.00	0.09	0.00
9/30/1965	0.00	0.09	0.00	0.09	0.00
10/1/1965	0.08	0.04	0.00	0.04	0.01
10/2/1965	0.89	0.04	0.00	0.04	0.18
10/3/1965	0.00	0.04	0.00	0.04	0.00
10/4/1965	0.00	0.04	0.00	0.04	0.00
10/5/1965	0.00	0.04	0.00	0.04	0.00
10/6/1965	0.00	0.04	0.00	0.04	0.00
10/7/1965	0.00	0.04	0.00	0.04	0.00
10/8/1965	1.17	0.04	0.00	0.04	0.24
10/9/1965	0.01	0.04	0.00	0.04	0.00
10/10/1965	0.00	0.04	0.00	0.04	0.00
10/11/1965	0.00	0.04	0.00	0.04	0.00
10/12/1965	0.40	0.04	0.00	0.04	0.07
10/13/1965	0.00	0.04	0.00	0.04	0.00
10/14/1965	0.00	0.04	0.00	0.04	0.00
10/15/1965	0.00	0.04	0.00	0.04	0.00
10/16/1965	0.47	0.04	0.00	0.04	0.09
10/17/1965	0.00	0.04	0.00	0.04	0.00
10/18/1965	0.00	0.04	0.00	0.04	0.00
10/19/1965	0.00	0.04	0.00	0.04	0.00
10/20/1965	0.00	0.04	0.00	0.04	0.00
10/21/1965	0.00	0.04	0.00	0.04	0.00
10/22/1965	0.00	0.04	0.00	0.04	0.00
10/23/1965	0.01	0.04	0.00	0.04	0.00
10/24/1965	0.00	0.04	0.00	0.04	0.00
10/25/1965	0.00	0.04	0.00	0.04	0.00
10/26/1965	0.00	0.04	0.00	0.04	0.00
10/27/1965	0.00	0.04	0.00	0.04	0.00
10/28/1965	0.00	0.04	0.00	0.04	0.00
10/29/1965	0.00	0.04	0.00	0.04	0.00
10/30/1965	0.00	0.04	0.00	0.04	0.00
10/31/1965	0.00	0.04	0.00	0.04	0.00
11/1/1965	0.00	0.02	0.00	0.02	0.00
11/2/1965	0.01	0.02	0.00	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/3/1965	0.00	0.02	0.00	0.02	0.00
11/4/1965	0.00	0.02	0.00	0.02	0.00
11/5/1965	0.00	0.02	0.00	0.02	0.00
11/6/1965	0.00	0.02	0.00	0.02	0.00
11/7/1965	0.00	0.02	0.00	0.02	0.00
11/8/1965	0.00	0.02	0.00	0.02	0.00
11/9/1965	0.15	0.02	0.00	0.02	0.02
11/10/1965	0.00	0.02	0.00	0.02	0.00
11/11/1965	0.00	0.02	0.00	0.02	0.00
11/12/1965	0.00	0.02	0.00	0.02	0.00
11/13/1965	0.03	0.02	0.00	0.02	0.00
11/14/1965	0.07	0.02	0.00	0.02	0.01
11/15/1965	0.00	0.02	0.00	0.02	0.00
11/16/1965	0.00	0.02	0.00	0.02	0.00
11/17/1965	0.61	0.02	0.00	0.02	0.12
11/18/1965	0.00	0.02	0.00	0.02	0.00
11/19/1965	0.00	0.02	0.00	0.02	0.00
11/20/1965	0.00	0.02	0.00	0.02	0.00
11/21/1965	0.08	0.02	0.00	0.02	0.01
11/22/1965	0.06	0.02	0.00	0.02	0.01
11/23/1965	0.52	0.02	0.00	0.02	0.10
11/24/1965	0.00	0.02	0.00	0.02	0.00
11/25/1965	0.00	0.02	0.00	0.02	0.00
11/26/1965	0.00	0.02	0.00	0.02	0.00
11/27/1965	0.22	0.02	0.00	0.02	0.04
11/28/1965	0.16	0.02	0.00	0.02	0.03
11/29/1965	0.00	0.02	0.00	0.02	0.00
11/30/1965	0.00	0.02	0.00	0.02	0.00
12/1/1965	0.00	0.02	0.00	0.02	0.00
12/2/1965	0.00	0.02	0.00	0.02	0.00
12/3/1965	0.00	0.02	0.00	0.02	0.00
12/4/1965	0.00	0.02	0.00	0.02	0.00
12/5/1965	0.00	0.02	0.00	0.02	0.00
12/6/1965	0.00	0.02	0.00	0.02	0.00
12/7/1965	0.04	0.02	0.00	0.02	0.00
12/8/1965	0.00	0.02	0.00	0.02	0.00
12/9/1965	0.00	0.02	0.00	0.02	0.00
12/10/1965	0.00	0.02	0.00	0.02	0.00
12/11/1965	0.00	0.02	0.00	0.02	0.00
12/12/1965	0.55	0.02	0.00	0.02	0.11
12/13/1965	0.35	0.02	0.00	0.02	0.07
12/14/1965	0.51	0.02	0.00	0.02	0.10
12/15/1965	0.02	0.02	0.00	0.02	0.00
12/16/1965	0.02	0.02	0.00	0.02	0.00
12/17/1965	0.02	0.02	0.00	0.02	0.00
12/18/1965	0.02	0.02	0.01	0.02	0.00
12/19/1965	0.00	0.02	0.01	0.02	0.00
12/20/1965	0.00	0.02	0.01	0.02	0.00
12/21/1965	0.00	0.02	0.01	0.02	0.00
12/22/1965	0.00	0.02	0.01	0.02	0.00
12/23/1965	0.00	0.02	0.01	0.02	0.00
12/24/1965	0.00	0.02	0.01	0.02	0.00
12/25/1965	0.00	0.02	0.01	0.02	0.00
12/26/1965	1.06	0.02	0.01	0.02	0.22
12/27/1965	0.00	0.02	0.01	0.02	0.00
12/28/1965	0.00	0.02	0.01	0.02	0.00
12/29/1965	0.00	0.02	0.01	0.02	0.00
12/30/1965	0.00	0.02	0.01	0.02	0.00
12/31/1965	0.00	0.02	0.01	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/1/2015	0.00	0.01	0.03	0.01	0.00
1/2/2015	0.00	0.01	0.03	0.01	0.00
1/3/2015	0.00	0.01	0.03	0.01	0.00
1/4/2015	0.70	0.01	0.03	0.01	0.11
1/5/2015	0.00	0.01	0.03	0.01	0.00
1/6/2015	0.00	0.01	0.03	0.01	0.00
1/7/2015	0.01	0.01	0.03	0.01	0.00
1/8/2015	0.00	0.01	0.03	0.01	0.00
1/9/2015	0.01	0.01	0.03	0.01	0.00
1/10/2015	0.04	0.01	0.03	0.01	0.00
1/11/2015	0.00	0.01	0.03	0.01	0.00
1/12/2015	0.00	0.01	0.03	0.01	0.00
1/13/2015	0.61	0.01	0.03	0.01	0.09
1/14/2015	0.00	0.01	0.02	0.01	0.00
1/15/2015	0.00	0.01	0.02	0.01	0.00
1/16/2015	0.00	0.01	0.02	0.01	0.00
1/17/2015	0.00	0.01	0.02	0.01	0.00
1/18/2015	0.00	0.01	0.02	0.01	0.00
1/19/2015	1.28	0.01	0.03	0.01	0.20
1/20/2015	0.00	0.01	0.03	0.01	0.00
1/21/2015	0.00	0.01	0.03	0.01	0.00
1/22/2015	0.01	0.01	0.03	0.01	0.00
1/23/2015	0.00	0.01	0.03	0.01	0.00
1/24/2015	0.51	0.01	0.03	0.01	0.08
1/25/2015	0.06	0.01	0.03	0.01	0.00
1/26/2015	0.00	0.01	0.03	0.01	0.00
1/27/2015	0.24	0.01	0.03	0.01	0.03
1/28/2015	0.04	0.01	0.03	0.01	0.00
1/29/2015	0.00	0.01	0.03	0.01	0.00
1/30/2015	0.17	0.01	0.03	0.01	0.02
1/31/2015	0.05	0.01	0.03	0.01	0.00
2/1/2015	0.00	0.01	0.03	0.01	0.00
2/2/2015	0.68	0.01	0.03	0.01	0.06
2/3/2015	0.07	0.01	0.03	0.01	0.00
2/4/2015	0.00	0.01	0.02	0.01	0.00
2/5/2015	0.01	0.01	0.02	0.01	0.00
2/6/2015	0.11	0.01	0.02	0.01	0.01
2/7/2015	0.00	0.01	0.02	0.01	0.00
2/8/2015	0.00	0.01	0.02	0.01	0.00
2/9/2015	0.42	0.01	0.02	0.01	0.04
2/10/2015	0.42	0.01	0.01	0.01	0.04
2/11/2015	0.00	0.01	0.01	0.01	0.00
2/12/2015	0.00	0.01	0.01	0.01	0.00
2/13/2015	0.02	0.01	0.01	0.01	0.00
2/14/2015	0.00	0.01	0.01	0.01	0.00
2/15/2015	0.11	0.01	0.01	0.01	0.01
2/16/2015	0.00	0.01	0.01	0.01	0.00
2/17/2015	0.00	0.01	0.01	0.01	0.00
2/18/2015	0.00	0.01	0.01	0.01	0.00
2/19/2015	0.00	0.01	0.01	0.01	0.00
2/20/2015	0.00	0.01	0.00	0.01	0.00
2/21/2015	0.00	0.01	0.00	0.01	0.00
2/22/2015	0.33	0.01	0.00	0.01	0.03
2/23/2015	0.00	0.01	0.00	0.01	0.00
2/24/2015	0.00	0.01	0.00	0.01	0.00
2/25/2015	0.00	0.01	0.00	0.01	0.00
2/26/2015	0.00	0.01	0.00	0.01	0.00
2/27/2015	0.04	0.01	0.00	0.01	0.00
2/28/2015	0.00	0.01	0.00	0.01	0.00
3/1/2015	0.00	0.03	0.00	0.03	0.00
3/2/2015	0.45	0.03	0.00	0.03	0.29
3/3/2015	0.00	0.03	0.00	0.03	0.00
3/4/2015	0.63	0.03	0.00	0.03	0.41

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/5/2015	0.05	0.03	0.00	0.03	0.01
3/6/2015	0.04	0.03	0.00	0.03	0.00
3/7/2015	0.00	0.03	0.00	0.03	0.00
3/8/2015	0.00	0.03	0.00	0.03	0.00
3/9/2015	0.00	0.03	0.00	0.03	0.00
3/10/2015	0.00	0.03	0.01	0.03	0.00
3/11/2015	0.16	0.03	0.01	0.03	0.08
3/12/2015	0.00	0.03	0.01	0.03	0.00
3/13/2015	0.00	0.03	0.01	0.03	0.00
3/14/2015	0.14	0.03	0.01	0.03	0.07
3/15/2015	0.30	0.03	0.01	0.03	0.18
3/16/2015	0.00	0.03	0.01	0.03	0.00
3/17/2015	0.03	0.03	0.01	0.03	0.00
3/18/2015	0.03	0.03	0.02	0.03	0.00
3/19/2015	0.00	0.03	0.02	0.03	0.00
3/20/2015	0.00	0.03	0.02	0.03	0.00
3/21/2015	0.19	0.03	0.02	0.03	0.10
3/22/2015	0.00	0.03	0.02	0.03	0.00
3/23/2015	0.00	0.03	0.02	0.03	0.00
3/24/2015	0.00	0.03	0.02	0.03	0.00
3/25/2015	0.00	0.03	0.02	0.03	0.00
3/26/2015	0.08	0.03	0.03	0.03	0.02
3/27/2015	0.28	0.03	0.03	0.03	0.15
3/28/2015	0.02	0.03	0.03	0.03	0.00
3/29/2015	0.05	0.03	0.03	0.03	0.00
3/30/2015	0.01	0.03	0.03	0.03	0.00
3/31/2015	0.01	0.03	0.04	0.03	0.00
4/1/2015	0.15	0.06	0.04	0.06	0.04
4/2/2015	0.00	0.06	0.04	0.06	0.00
4/3/2015	0.01	0.06	0.04	0.06	0.00
4/4/2015	0.55	0.06	0.04	0.06	0.37
4/5/2015	0.00	0.06	0.05	0.06	0.00
4/6/2015	0.00	0.06	0.05	0.06	0.00
4/7/2015	0.00	0.06	0.05	0.06	0.00
4/8/2015	0.15	0.06	0.05	0.06	0.04
4/9/2015	0.18	0.06	0.05	0.06	0.06
4/10/2015	0.19	0.06	0.05	0.06	0.07
4/11/2015	0.01	0.06	0.05	0.06	0.00
4/12/2015	0.00	0.06	0.05	0.06	0.00
4/13/2015	0.00	0.06	0.05	0.06	0.00
4/14/2015	0.09	0.06	0.05	0.06	0.00
4/15/2015	0.09	0.06	0.05	0.06	0.00
4/16/2015	0.00	0.06	0.04	0.06	0.00
4/17/2015	0.13	0.06	0.04	0.06	0.02
4/18/2015	0.03	0.06	0.04	0.06	0.00
4/19/2015	0.00	0.06	0.04	0.06	0.00
4/20/2015	0.06	0.06	0.04	0.06	0.00
4/21/2015	0.76	0.06	0.04	0.06	0.55
4/22/2015	0.01	0.06	0.04	0.06	0.00
4/23/2015	0.12	0.06	0.04	0.06	0.01
4/24/2015	0.00	0.06	0.04	0.06	0.00
4/25/2015	0.00	0.06	0.04	0.06	0.00
4/26/2015	0.00	0.06	0.04	0.06	0.00
4/27/2015	0.00	0.06	0.04	0.06	0.00
4/28/2015	0.00	0.06	0.04	0.06	0.00
4/29/2015	0.00	0.06	0.04	0.06	0.00
4/30/2015	0.00	0.06	0.04	0.06	0.00
5/1/2015	0.00	0.12	0.04	0.12	0.00
5/2/2015	0.00	0.12	0.04	0.12	0.00
5/3/2015	0.00	0.12	0.04	0.12	0.00
5/4/2015	0.00	0.12	0.03	0.12	0.00
5/5/2015	0.00	0.12	0.03	0.12	0.00
5/6/2015	0.00	0.12	0.03	0.12	0.00
5/7/2015	0.01	0.12	0.03	0.12	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/8/2015	0.00	0.12	0.02	0.12	0.00
5/9/2015	0.00	0.12	0.02	0.12	0.00
5/10/2015	0.00	0.12	0.02	0.12	0.00
5/11/2015	0.00	0.12	0.02	0.12	0.00
5/12/2015	0.00	0.12	0.02	0.12	0.00
5/13/2015	0.00	0.12	0.01	0.12	0.00
5/14/2015	0.00	0.12	0.01	0.12	0.00
5/15/2015	0.00	0.12	0.01	0.12	0.00
5/16/2015	0.33	0.12	0.01	0.12	0.08
5/17/2015	0.70	0.12	0.01	0.12	0.23
5/18/2015	0.00	0.12	0.01	0.12	0.00
5/19/2015	0.15	0.12	0.01	0.12	0.01
5/20/2015	0.41	0.12	0.01	0.12	0.11
5/21/2015	0.00	0.12	0.01	0.12	0.00
5/22/2015	0.00	0.12	0.01	0.12	0.00
5/23/2015	0.00	0.12	0.00	0.12	0.00
5/24/2015	0.00	0.12	0.00	0.12	0.00
5/25/2015	0.00	0.12	0.00	0.12	0.00
5/26/2015	0.00	0.12	0.00	0.12	0.00
5/27/2015	0.00	0.12	0.00	0.12	0.00
5/28/2015	0.66	0.12	0.00	0.12	0.21
5/29/2015	0.06	0.12	0.00	0.12	0.00
5/30/2015	0.00	0.12	0.00	0.12	0.00
5/31/2015	0.08	0.12	0.00	0.12	0.00
6/1/2015	0.91	0.14	0.00	0.14	0.22
6/2/2015	0.70	0.14	0.01	0.14	0.16
6/3/2015	0.19	0.14	0.01	0.14	0.01
6/4/2015	0.00	0.14	0.01	0.14	0.00
6/5/2015	0.00	0.14	0.01	0.14	0.00
6/6/2015	0.03	0.14	0.01	0.14	0.00
6/7/2015	0.00	0.14	0.01	0.14	0.00
6/8/2015	0.00	0.14	0.01	0.14	0.00
6/9/2015	0.25	0.14	0.01	0.14	0.03
6/10/2015	0.05	0.14	0.01	0.14	0.00
6/11/2015	0.00	0.14	0.01	0.14	0.00
6/12/2015	0.01	0.14	0.01	0.14	0.00
6/13/2015	0.03	0.14	0.01	0.14	0.00
6/14/2015	0.00	0.14	0.01	0.14	0.00
6/15/2015	0.19	0.14	0.01	0.14	0.01
6/16/2015	0.04	0.14	0.01	0.14	0.00
6/17/2015	0.05	0.14	0.01	0.14	0.00
6/18/2015	0.00	0.14	0.00	0.14	0.00
6/19/2015	0.03	0.14	0.00	0.14	0.00
6/20/2015	0.12	0.14	0.00	0.14	0.00
6/21/2015	0.65	0.14	0.00	0.14	0.14
6/22/2015	0.55	0.14	0.01	0.14	0.11
6/23/2015	0.07	0.14	0.01	0.14	0.00
6/24/2015	0.09	0.14	0.01	0.14	0.00
6/25/2015	0.00	0.14	0.01	0.14	0.00
6/26/2015	0.00	0.14	0.00	0.14	0.00
6/27/2015	0.00	0.14	0.00	0.14	0.00
6/28/2015	0.84	0.14	0.01	0.14	0.20
6/29/2015	0.11	0.14	0.01	0.14	0.00
6/30/2015	0.00	0.14	0.01	0.14	0.00
7/1/2015	0.79	0.17	0.01	0.17	0.16
7/2/2015	0.01	0.17	0.01	0.17	0.00
7/3/2015	0.00	0.17	0.01	0.17	0.00
7/4/2015	0.00	0.17	0.01	0.17	0.00
7/5/2015	0.08	0.17	0.01	0.17	0.00
7/6/2015	0.00	0.17	0.01	0.17	0.00
7/7/2015	0.00	0.17	0.01	0.17	0.00
7/8/2015	0.33	0.17	0.01	0.17	0.04
7/9/2015	0.00	0.17	0.01	0.17	0.00
7/10/2015	0.12	0.17	0.01	0.17	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/11/2015	0.00	0.17	0.01	0.17	0.00
7/12/2015	0.00	0.17	0.00	0.17	0.00
7/13/2015	0.00	0.17	0.00	0.17	0.00
7/14/2015	0.00	0.17	0.00	0.17	0.00
7/15/2015	0.00	0.17	0.00	0.17	0.00
7/16/2015	0.00	0.17	0.00	0.17	0.00
7/17/2015	0.00	0.17	0.00	0.17	0.00
7/18/2015	0.00	0.17	0.00	0.17	0.00
7/19/2015	0.05	0.17	0.00	0.17	0.00
7/20/2015	0.00	0.17	0.00	0.17	0.00
7/21/2015	0.00	0.17	0.00	0.17	0.00
7/22/2015	0.22	0.17	0.00	0.17	0.01
7/23/2015	0.00	0.17	0.00	0.17	0.00
7/24/2015	0.00	0.17	0.00	0.17	0.00
7/25/2015	0.00	0.17	0.00	0.17	0.00
7/26/2015	0.29	0.17	0.00	0.17	0.03
7/27/2015	0.67	0.17	0.00	0.17	0.13
7/28/2015	0.00	0.17	0.00	0.17	0.00
7/29/2015	0.00	0.17	0.00	0.17	0.00
7/30/2015	0.00	0.17	0.00	0.17	0.00
7/31/2015	0.19	0.17	0.00	0.17	0.01
8/1/2015	0.00	0.15	0.00	0.15	0.00
8/2/2015	0.00	0.15	0.00	0.15	0.00
8/3/2015	0.00	0.15	0.00	0.15	0.00
8/4/2015	0.05	0.15	0.00	0.15	0.00
8/5/2015	0.00	0.15	0.00	0.15	0.00
8/6/2015	0.00	0.15	0.00	0.15	0.00
8/7/2015	0.00	0.15	0.00	0.15	0.00
8/8/2015	0.00	0.15	0.00	0.15	0.00
8/9/2015	0.00	0.15	0.00	0.15	0.00
8/10/2015	0.00	0.15	0.00	0.15	0.00
8/11/2015	0.21	0.15	0.00	0.15	0.01
8/12/2015	0.74	0.15	0.00	0.15	0.13
8/13/2015	0.00	0.15	0.00	0.15	0.00
8/14/2015	0.00	0.15	0.00	0.15	0.00
8/15/2015	0.00	0.15	0.00	0.15	0.00
8/16/2015	0.00	0.15	0.00	0.15	0.00
8/17/2015	0.00	0.15	0.00	0.15	0.00
8/18/2015	0.00	0.15	0.00	0.15	0.00
8/19/2015	0.00	0.15	0.00	0.15	0.00
8/20/2015	0.00	0.15	0.00	0.15	0.00
8/21/2015	1.80	0.15	0.00	0.15	0.37
8/22/2015	0.02	0.15	0.00	0.15	0.00
8/23/2015	0.00	0.15	0.00	0.15	0.00
8/24/2015	0.00	0.15	0.00	0.15	0.00
8/25/2015	0.04	0.15	0.00	0.15	0.00
8/26/2015	0.00	0.15	0.00	0.15	0.00
8/27/2015	0.00	0.15	0.00	0.15	0.00
8/28/2015	0.00	0.15	0.00	0.15	0.00
8/29/2015	0.00	0.15	0.00	0.15	0.00
8/30/2015	0.00	0.15	0.00	0.15	0.00
8/31/2015	0.00	0.15	0.00	0.15	0.00
9/1/2015	0.00	0.10	0.00	0.10	0.00
9/2/2015	0.00	0.10	0.00	0.10	0.00
9/3/2015	0.00	0.10	0.00	0.10	0.00
9/4/2015	0.00	0.10	0.00	0.10	0.00
9/5/2015	0.00	0.10	0.00	0.10	0.00
9/6/2015	0.00	0.10	0.00	0.10	0.00
9/7/2015	0.00	0.10	0.00	0.10	0.00
9/8/2015	0.00	0.10	0.00	0.10	0.00
9/9/2015	0.00	0.10	0.00	0.10	0.00
9/10/2015	0.04	0.10	0.00	0.10	0.00
9/11/2015	0.73	0.10	0.00	0.10	0.14
9/12/2015	0.01	0.10	0.00	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/13/2015	0.94	0.10	0.00	0.10	0.18
9/14/2015	0.00	0.10	0.00	0.10	0.00
9/15/2015	0.00	0.10	0.00	0.10	0.00
9/16/2015	0.00	0.10	0.00	0.10	0.00
9/17/2015	0.00	0.10	0.00	0.10	0.00
9/18/2015	0.00	0.10	0.00	0.10	0.00
9/19/2015	0.00	0.10	0.00	0.10	0.00
9/20/2015	0.01	0.10	0.00	0.10	0.00
9/21/2015	0.00	0.10	0.00	0.10	0.00
9/22/2015	0.00	0.10	0.00	0.10	0.00
9/23/2015	0.00	0.10	0.00	0.10	0.00
9/24/2015	0.00	0.10	0.00	0.10	0.00
9/25/2015	0.00	0.10	0.00	0.10	0.00
9/26/2015	0.00	0.10	0.00	0.10	0.00
9/27/2015	0.00	0.10	0.00	0.10	0.00
9/28/2015	0.00	0.10	0.00	0.10	0.00
9/29/2015	0.00	0.10	0.00	0.10	0.00
9/30/2015	1.41	0.10	0.00	0.10	0.28
10/1/2015	0.23	0.04	0.00	0.04	0.04
10/2/2015	0.03	0.04	0.00	0.04	0.00
10/3/2015	0.33	0.04	0.00	0.04	0.06
10/4/2015	0.11	0.04	0.00	0.04	0.01
10/5/2015	0.00	0.04	0.00	0.04	0.00
10/6/2015	0.00	0.04	0.00	0.04	0.00
10/7/2015	0.00	0.04	0.00	0.04	0.00
10/8/2015	0.00	0.04	0.00	0.04	0.00
10/9/2015	0.32	0.04	0.00	0.04	0.06
10/10/2015	0.00	0.04	0.00	0.04	0.00
10/11/2015	0.00	0.04	0.00	0.04	0.00
10/12/2015	0.00	0.04	0.00	0.04	0.00
10/13/2015	0.01	0.04	0.00	0.04	0.00
10/14/2015	0.00	0.04	0.00	0.04	0.00
10/15/2015	0.00	0.04	0.00	0.04	0.00
10/16/2015	0.03	0.04	0.00	0.04	0.00
10/17/2015	0.00	0.04	0.00	0.04	0.00
10/18/2015	0.00	0.04	0.00	0.04	0.00
10/19/2015	0.00	0.04	0.00	0.04	0.00
10/20/2015	0.00	0.04	0.00	0.04	0.00
10/21/2015	0.00	0.04	0.00	0.04	0.00
10/22/2015	0.00	0.04	0.00	0.04	0.00
10/23/2015	0.00	0.04	0.00	0.04	0.00
10/24/2015	0.00	0.04	0.00	0.04	0.00
10/25/2015	0.23	0.04	0.00	0.04	0.04
10/26/2015	0.00	0.04	0.00	0.04	0.00
10/27/2015	0.00	0.04	0.00	0.04	0.00
10/28/2015	0.00	0.04	0.00	0.04	0.00
10/29/2015	1.95	0.04	0.00	0.04	0.40
10/30/2015	0.00	0.04	0.00	0.04	0.00
10/31/2015	0.00	0.04	0.00	0.04	0.00
11/1/2015	0.00	0.03	0.00	0.03	0.00
11/2/2015	0.00	0.03	0.00	0.03	0.00
11/3/2015	0.00	0.03	0.00	0.03	0.00
11/4/2015	0.00	0.03	0.00	0.03	0.00
11/5/2015	0.00	0.03	0.00	0.03	0.00
11/6/2015	0.00	0.03	0.00	0.03	0.00
11/7/2015	0.00	0.03	0.00	0.03	0.00
11/8/2015	0.00	0.03	0.00	0.03	0.00
11/9/2015	0.00	0.03	0.00	0.03	0.00
11/10/2015	0.00	0.03	0.00	0.03	0.00
11/11/2015	0.45	0.03	0.00	0.03	0.09
11/12/2015	0.21	0.03	0.00	0.03	0.04
11/13/2015	0.18	0.03	0.00	0.03	0.03
11/14/2015	0.00	0.03	0.00	0.03	0.00
11/15/2015	0.00	0.03	0.00	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/16/2015	0.00	0.03	0.00	0.03	0.00
11/17/2015	0.00	0.03	0.00	0.03	0.00
11/18/2015	0.00	0.03	0.00	0.03	0.00
11/19/2015	0.00	0.03	0.00	0.03	0.00
11/20/2015	0.77	0.03	0.01	0.03	0.15
11/21/2015	0.00	0.03	0.01	0.03	0.00
11/22/2015	0.05	0.03	0.01	0.03	0.00
11/23/2015	0.00	0.03	0.01	0.03	0.00
11/24/2015	0.00	0.03	0.01	0.03	0.00
11/25/2015	0.00	0.03	0.01	0.03	0.00
11/26/2015	0.00	0.03	0.01	0.03	0.00
11/27/2015	0.00	0.03	0.01	0.03	0.00
11/28/2015	0.00	0.03	0.01	0.03	0.00
11/29/2015	0.03	0.03	0.01	0.03	0.00
11/30/2015	0.00	0.03	0.01	0.03	0.00
12/1/2015	0.00	0.02	0.01	0.02	0.00
12/2/2015	0.34	0.02	0.01	0.02	0.07
12/3/2015	0.56	0.02	0.01	0.02	0.12
12/4/2015	0.01	0.02	0.01	0.02	0.00
12/5/2015	0.00	0.02	0.01	0.02	0.00
12/6/2015	0.00	0.02	0.01	0.02	0.00
12/7/2015	0.00	0.02	0.01	0.02	0.00
12/8/2015	0.00	0.02	0.01	0.02	0.00
12/9/2015	0.00	0.02	0.01	0.02	0.00
12/10/2015	0.00	0.02	0.01	0.02	0.00
12/11/2015	0.00	0.02	0.01	0.02	0.00
12/12/2015	0.00	0.02	0.01	0.02	0.00
12/13/2015	0.00	0.02	0.01	0.02	0.00
12/14/2015	0.00	0.02	0.01	0.02	0.00
12/15/2015	0.28	0.02	0.01	0.02	0.06
12/16/2015	0.01	0.02	0.01	0.02	0.00
12/17/2015	0.06	0.02	0.01	0.02	0.01
12/18/2015	0.58	0.02	0.01	0.02	0.13
12/19/2015	0.02	0.02	0.01	0.02	0.00
12/20/2015	0.00	0.02	0.01	0.02	0.00
12/21/2015	0.00	0.02	0.01	0.02	0.00
12/22/2015	0.04	0.02	0.01	0.02	0.00
12/23/2015	0.17	0.02	0.01	0.02	0.03
12/24/2015	0.83	0.02	0.01	0.02	0.19
12/25/2015	0.01	0.02	0.02	0.02	0.00
12/26/2015	0.00	0.02	0.02	0.02	0.00
12/27/2015	0.17	0.02	0.02	0.02	0.03
12/28/2015	0.06	0.02	0.02	0.02	0.00
12/29/2015	0.57	0.02	0.02	0.02	0.12
12/30/2015	0.17	0.02	0.02	0.02	0.03
12/31/2015	0.28	0.02	0.02	0.02	0.06
1/1/2016	0.00	0.02	0.03	0.02	0.00
1/2/2016	0.00	0.02	0.03	0.02	0.00
1/3/2016	0.00	0.02	0.03	0.02	0.00
1/4/2016	0.01	0.02	0.03	0.02	0.00
1/5/2016	0.00	0.02	0.03	0.02	0.00
1/6/2016	0.00	0.02	0.03	0.02	0.00
1/7/2016	0.00	0.02	0.03	0.02	0.00
1/8/2016	0.00	0.02	0.03	0.02	0.00
1/9/2016	0.00	0.02	0.03	0.02	0.00
1/10/2016	0.37	0.02	0.03	0.02	0.01
1/11/2016	0.90	0.02	0.03	0.02	0.01
1/12/2016	0.00	0.02	0.03	0.02	0.00
1/13/2016	0.03	0.02	0.03	0.02	0.00
1/14/2016	0.01	0.02	0.03	0.02	0.00
1/15/2016	0.00	0.02	0.03	0.02	0.00
1/16/2016	0.21	0.02	0.03	0.02	0.00
1/17/2016	0.14	0.02	0.04	0.02	0.00
1/18/2016	0.01	0.02	0.04	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/19/2016	0.00	0.02	0.04	0.02	0.00
1/20/2016	0.00	0.02	0.03	0.02	0.00
1/21/2016	0.00	0.02	0.03	0.02	0.00
1/22/2016	0.00	0.02	0.03	0.02	0.00
1/23/2016	0.00	0.02	0.03	0.02	0.00
1/24/2016	0.24	0.02	0.03	0.02	0.00
1/25/2016	0.00	0.02	0.03	0.02	0.00
1/26/2016	0.00	0.02	0.03	0.02	0.00
1/27/2016	0.00	0.02	0.03	0.02	0.00
1/28/2016	0.00	0.02	0.03	0.02	0.00
1/29/2016	0.00	0.02	0.03	0.02	0.00
1/30/2016	0.02	0.02	0.03	0.02	0.00
1/31/2016	0.00	0.02	0.03	0.02	0.00
2/1/2016	0.00	0.02	0.03	0.02	0.00
2/2/2016	0.00	0.02	0.03	0.02	0.00
2/3/2016	0.00	0.02	0.03	0.02	0.00
2/4/2016	0.35	0.02	0.03	0.02	0.22
2/5/2016	0.01	0.02	0.03	0.02	0.00
2/6/2016	0.03	0.02	0.03	0.02	0.00
2/7/2016	0.00	0.02	0.03	0.02	0.00
2/8/2016	0.00	0.02	0.03	0.02	0.00
2/9/2016	0.09	0.02	0.03	0.02	0.03
2/10/2016	0.02	0.02	0.03	0.02	0.00
2/11/2016	0.00	0.02	0.03	0.02	0.00
2/12/2016	0.00	0.02	0.03	0.02	0.00
2/13/2016	0.00	0.02	0.03	0.02	0.00
2/14/2016	0.00	0.02	0.03	0.02	0.00
2/15/2016	0.00	0.02	0.03	0.02	0.00
2/16/2016	0.47	0.02	0.03	0.02	0.31
2/17/2016	1.23	0.02	0.03	0.02	0.88
2/18/2016	0.00	0.02	0.03	0.02	0.00
2/19/2016	0.00	0.02	0.03	0.02	0.00
2/20/2016	0.00	0.02	0.03	0.02	0.00
2/21/2016	0.00	0.02	0.03	0.02	0.00
2/22/2016	0.00	0.02	0.04	0.02	0.00
2/23/2016	0.00	0.02	0.04	0.02	0.00
2/24/2016	0.22	0.02	0.04	0.02	0.12
2/25/2016	2.28	0.02	0.04	0.02	1.65
2/26/2016	0.06	0.02	0.05	0.02	0.00
2/27/2016	0.00	0.02	0.05	0.02	0.00
2/28/2016	0.00	0.02	0.05	0.02	0.00
2/29/2016	0.00	0.02	0.05	0.02	0.00
3/1/2016	0.04	0.04	0.05	0.04	0.00
3/2/2016	0.10	0.04	0.06	0.04	0.00
3/3/2016	0.00	0.04	0.06	0.04	0.00
3/4/2016	0.01	0.04	0.05	0.04	0.00
3/5/2016	0.01	0.04	0.05	0.04	0.00
3/6/2016	0.00	0.04	0.05	0.04	0.00
3/7/2016	0.00	0.04	0.05	0.04	0.00
3/8/2016	0.00	0.04	0.05	0.04	0.00
3/9/2016	0.00	0.04	0.05	0.04	0.00
3/10/2016	0.08	0.04	0.05	0.04	0.00
3/11/2016	0.18	0.04	0.05	0.04	0.07
3/12/2016	0.00	0.04	0.05	0.04	0.00
3/13/2016	0.00	0.04	0.05	0.04	0.00
3/14/2016	0.02	0.04	0.04	0.04	0.00
3/15/2016	0.04	0.04	0.04	0.04	0.00
3/16/2016	0.00	0.04	0.04	0.04	0.00
3/17/2016	0.18	0.04	0.04	0.04	0.09
3/18/2016	0.02	0.04	0.04	0.04	0.00
3/19/2016	0.00	0.04	0.03	0.04	0.00
3/20/2016	0.00	0.04	0.03	0.04	0.00
3/21/2016	0.01	0.04	0.03	0.04	0.00
3/22/2016	0.00	0.04	0.03	0.04	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/23/2016	0.00	0.04	0.03	0.04	0.00
3/24/2016	0.00	0.04	0.03	0.04	0.00
3/25/2016	0.00	0.04	0.03	0.04	0.00
3/26/2016	0.01	0.04	0.03	0.04	0.00
3/27/2016	0.00	0.04	0.03	0.04	0.00
3/28/2016	0.01	0.04	0.03	0.04	0.00
3/29/2016	0.30	0.04	0.03	0.04	0.20
3/30/2016	0.00	0.04	0.03	0.04	0.00
3/31/2016	0.00	0.04	0.03	0.04	0.00
4/1/2016	0.00	0.06	0.03	0.06	0.00
4/2/2016	0.01	0.06	0.02	0.06	0.00
4/3/2016	0.34	0.06	0.02	0.06	0.15
4/4/2016	0.02	0.06	0.02	0.06	0.00
4/5/2016	0.22	0.06	0.02	0.06	0.08
4/6/2016	0.00	0.06	0.02	0.06	0.00
4/7/2016	0.00	0.06	0.02	0.06	0.00
4/8/2016	0.38	0.06	0.02	0.06	0.17
4/9/2016	0.00	0.06	0.02	0.06	0.00
4/10/2016	0.00	0.06	0.02	0.06	0.00
4/11/2016	0.00	0.06	0.02	0.06	0.00
4/12/2016	0.03	0.06	0.02	0.06	0.00
4/13/2016	0.24	0.06	0.02	0.06	0.09
4/14/2016	0.00	0.06	0.02	0.06	0.00
4/15/2016	0.00	0.06	0.02	0.06	0.00
4/16/2016	0.00	0.06	0.02	0.06	0.00
4/17/2016	0.00	0.06	0.02	0.06	0.00
4/18/2016	0.00	0.06	0.02	0.06	0.00
4/19/2016	0.00	0.06	0.02	0.06	0.00
4/20/2016	0.00	0.06	0.02	0.06	0.00
4/21/2016	0.00	0.06	0.02	0.06	0.00
4/22/2016	0.00	0.06	0.02	0.06	0.00
4/23/2016	0.04	0.06	0.02	0.06	0.00
4/24/2016	0.00	0.06	0.02	0.06	0.00
4/25/2016	0.00	0.06	0.02	0.06	0.00
4/26/2016	0.05	0.06	0.02	0.06	0.00
4/27/2016	0.27	0.06	0.02	0.06	0.11
4/28/2016	0.00	0.06	0.02	0.06	0.00
4/29/2016	0.02	0.06	0.02	0.06	0.00
4/30/2016	0.26	0.06	0.02	0.06	0.11
5/1/2016	0.00	0.10	0.02	0.10	0.00
5/2/2016	0.16	0.10	0.02	0.10	0.02
5/3/2016	0.64	0.10	0.02	0.10	0.20
5/4/2016	0.36	0.10	0.02	0.10	0.09
5/5/2016	0.16	0.10	0.02	0.10	0.02
5/6/2016	0.17	0.10	0.02	0.10	0.02
5/7/2016	0.38	0.10	0.02	0.10	0.10
5/8/2016	0.14	0.10	0.02	0.10	0.00
5/9/2016	0.05	0.10	0.02	0.10	0.00
5/10/2016	0.00	0.10	0.02	0.10	0.00
5/11/2016	0.00	0.10	0.03	0.10	0.00
5/12/2016	0.00	0.10	0.03	0.10	0.00
5/13/2016	0.00	0.10	0.03	0.10	0.00
5/14/2016	0.28	0.10	0.03	0.10	0.06
5/15/2016	0.46	0.10	0.03	0.10	0.13
5/16/2016	0.00	0.10	0.03	0.10	0.00
5/17/2016	0.00	0.10	0.03	0.10	0.00
5/18/2016	0.00	0.10	0.03	0.10	0.00
5/19/2016	0.00	0.10	0.03	0.10	0.00
5/20/2016	0.00	0.10	0.03	0.10	0.00
5/21/2016	0.00	0.10	0.03	0.10	0.00
5/22/2016	0.09	0.10	0.03	0.10	0.00
5/23/2016	0.00	0.10	0.03	0.10	0.00
5/24/2016	0.17	0.10	0.02	0.10	0.02
5/25/2016	0.08	0.10	0.02	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/26/2016	0.00	0.10	0.02	0.10	0.00
5/27/2016	0.00	0.10	0.02	0.10	0.00
5/28/2016	0.60	0.10	0.02	0.10	0.18
5/29/2016	0.00	0.10	0.02	0.10	0.00
5/30/2016	0.21	0.10	0.02	0.10	0.03
5/31/2016	0.08	0.10	0.02	0.10	0.00
6/1/2016	0.00	0.15	0.02	0.15	0.00
6/2/2016	0.00	0.15	0.01	0.15	0.00
6/3/2016	0.36	0.15	0.01	0.15	0.05
6/4/2016	0.08	0.15	0.01	0.15	0.00
6/5/2016	0.21	0.15	0.01	0.15	0.01
6/6/2016	0.69	0.15	0.01	0.15	0.13
6/7/2016	0.00	0.15	0.01	0.15	0.00
6/8/2016	0.48	0.15	0.01	0.15	0.08
6/9/2016	0.09	0.15	0.01	0.15	0.00
6/10/2016	0.00	0.15	0.01	0.15	0.00
6/11/2016	0.00	0.15	0.01	0.15	0.00
6/12/2016	0.04	0.15	0.01	0.15	0.00
6/13/2016	0.00	0.15	0.01	0.15	0.00
6/14/2016	0.00	0.15	0.01	0.15	0.00
6/15/2016	0.00	0.15	0.00	0.15	0.00
6/16/2016	0.00	0.15	0.00	0.15	0.00
6/17/2016	0.00	0.15	0.00	0.15	0.00
6/18/2016	0.00	0.15	0.00	0.15	0.00
6/19/2016	0.00	0.15	0.00	0.15	0.00
6/20/2016	0.00	0.15	0.00	0.15	0.00
6/21/2016	0.00	0.15	0.00	0.15	0.00
6/22/2016	0.02	0.15	0.00	0.15	0.00
6/23/2016	0.00	0.15	0.00	0.15	0.00
6/24/2016	0.00	0.15	0.00	0.15	0.00
6/25/2016	0.00	0.15	0.00	0.15	0.00
6/26/2016	0.00	0.15	0.00	0.15	0.00
6/27/2016	0.00	0.15	0.00	0.15	0.00
6/28/2016	0.46	0.15	0.00	0.15	0.07
6/29/2016	1.52	0.15	0.00	0.15	0.33
6/30/2016	0.00	0.15	0.00	0.15	0.00
7/1/2016	0.00	0.18	0.00	0.18	0.00
7/2/2016	1.35	0.18	0.00	0.18	0.45
7/3/2016	0.00	0.18	0.00	0.18	0.00
7/4/2016	0.00	0.18	0.00	0.18	0.00
7/5/2016	0.20	0.18	0.00	0.18	0.01
7/6/2016	0.00	0.18	0.00	0.18	0.00
7/7/2016	0.83	0.18	0.00	0.18	0.25
7/8/2016	1.15	0.18	0.00	0.18	0.37
7/9/2016	0.00	0.18	0.00	0.18	0.00
7/10/2016	0.16	0.18	0.00	0.18	0.00
7/11/2016	0.00	0.18	0.00	0.18	0.00
7/12/2016	0.00	0.18	0.00	0.18	0.00
7/13/2016	0.00	0.18	0.00	0.18	0.00
7/14/2016	0.00	0.18	0.00	0.18	0.00
7/15/2016	0.00	0.18	0.00	0.18	0.00
7/16/2016	0.00	0.18	0.00	0.18	0.00
7/17/2016	0.00	0.18	0.00	0.18	0.00
7/18/2016	0.00	0.18	0.00	0.18	0.00
7/19/2016	0.25	0.18	0.00	0.18	0.03
7/20/2016	0.00	0.18	0.00	0.18	0.00
7/21/2016	0.00	0.18	0.00	0.18	0.00
7/22/2016	0.00	0.18	0.00	0.18	0.00
7/23/2016	0.00	0.18	0.00	0.18	0.00
7/24/2016	0.00	0.18	0.00	0.18	0.00
7/25/2016	0.00	0.18	0.00	0.18	0.00
7/26/2016	0.73	0.18	0.00	0.18	0.21
7/27/2016	0.00	0.18	0.00	0.18	0.00
7/28/2016	0.00	0.18	0.00	0.18	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/29/2016	0.46	0.18	0.00	0.18	0.11
7/30/2016	0.07	0.18	0.00	0.18	0.00
7/31/2016	5.86	0.18	0.01	0.18	2.16
8/1/2016	2.27	0.15	0.02	0.15	1.14
8/2/2016	0.22	0.15	0.02	0.15	0.02
8/3/2016	0.00	0.15	0.02	0.15	0.00
8/4/2016	0.00	0.15	0.02	0.15	0.00
8/5/2016	0.00	0.15	0.02	0.15	0.00
8/6/2016	0.02	0.15	0.02	0.15	0.00
8/7/2016	0.08	0.15	0.02	0.15	0.00
8/8/2016	0.00	0.15	0.02	0.15	0.00
8/9/2016	0.00	0.15	0.02	0.15	0.00
8/10/2016	0.00	0.15	0.02	0.15	0.00
8/11/2016	0.22	0.15	0.02	0.15	0.02
8/12/2016	0.42	0.15	0.02	0.15	0.13
8/13/2016	0.00	0.15	0.02	0.15	0.00
8/14/2016	0.15	0.15	0.02	0.15	0.00
8/15/2016	0.17	0.15	0.02	0.15	0.00
8/16/2016	0.00	0.15	0.01	0.15	0.00
8/17/2016	0.08	0.15	0.01	0.15	0.00
8/18/2016	0.05	0.15	0.01	0.15	0.00
8/19/2016	0.00	0.15	0.00	0.15	0.00
8/20/2016	0.00	0.15	0.00	0.15	0.00
8/21/2016	0.00	0.15	0.00	0.15	0.00
8/22/2016	0.65	0.15	0.00	0.15	0.26
8/23/2016	0.00	0.15	0.00	0.15	0.00
8/24/2016	0.00	0.15	0.00	0.15	0.00
8/25/2016	0.00	0.15	0.00	0.15	0.00
8/26/2016	0.02	0.15	0.00	0.15	0.00
8/27/2016	0.00	0.15	0.00	0.15	0.00
8/28/2016	0.00	0.15	0.00	0.15	0.00
8/29/2016	0.00	0.15	0.00	0.15	0.00
8/30/2016	0.00	0.15	0.00	0.15	0.00
8/31/2016	0.00	0.15	0.00	0.15	0.00
9/1/2016	0.08	0.09	0.00	0.09	0.00
9/2/2016	0.03	0.09	0.00	0.09	0.00
9/3/2016	0.00	0.09	0.00	0.09	0.00
9/4/2016	0.00	0.09	0.00	0.09	0.00
9/5/2016	0.00	0.09	0.00	0.09	0.00
9/6/2016	0.00	0.09	0.00	0.09	0.00
9/7/2016	0.00	0.09	0.00	0.09	0.00
9/8/2016	0.00	0.09	0.00	0.09	0.00
9/9/2016	0.00	0.09	0.00	0.09	0.00
9/10/2016	0.00	0.09	0.00	0.09	0.00
9/11/2016	0.14	0.09	0.00	0.09	0.01
9/12/2016	0.00	0.09	0.00	0.09	0.00
9/13/2016	0.00	0.09	0.00	0.09	0.00
9/14/2016	0.00	0.09	0.00	0.09	0.00
9/15/2016	0.00	0.09	0.00	0.09	0.00
9/16/2016	0.00	0.09	0.00	0.09	0.00
9/17/2016	0.00	0.09	0.00	0.09	0.00
9/18/2016	0.00	0.09	0.00	0.09	0.00
9/19/2016	1.30	0.09	0.00	0.09	0.38
9/20/2016	0.09	0.09	0.00	0.09	0.00
9/21/2016	0.00	0.09	0.00	0.09	0.00
9/22/2016	0.00	0.09	0.00	0.09	0.00
9/23/2016	0.00	0.09	0.00	0.09	0.00
9/24/2016	0.04	0.09	0.00	0.09	0.00
9/25/2016	0.00	0.09	0.00	0.09	0.00
9/26/2016	0.00	0.09	0.00	0.09	0.00
9/27/2016	0.41	0.09	0.00	0.09	0.10
9/28/2016	0.00	0.09	0.00	0.09	0.00
9/29/2016	0.00	0.09	0.00	0.09	0.00
9/30/2016	0.00	0.09	0.00	0.09	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/1/2016	0.23	0.05	0.00	0.05	0.04
10/2/2016	0.03	0.05	0.00	0.05	0.00
10/3/2016	0.02	0.05	0.00	0.05	0.00
10/4/2016	0.00	0.05	0.00	0.05	0.00
10/5/2016	0.00	0.05	0.00	0.05	0.00
10/6/2016	0.00	0.05	0.00	0.05	0.00
10/7/2016	0.00	0.05	0.00	0.05	0.00
10/8/2016	0.00	0.05	0.00	0.05	0.00
10/9/2016	0.00	0.05	0.00	0.05	0.00
10/10/2016	0.03	0.05	0.00	0.05	0.00
10/11/2016	0.00	0.05	0.00	0.05	0.00
10/12/2016	0.00	0.05	0.00	0.05	0.00
10/13/2016	0.00	0.05	0.00	0.05	0.00
10/14/2016	0.01	0.05	0.00	0.05	0.00
10/15/2016	0.00	0.05	0.00	0.05	0.00
10/16/2016	0.00	0.05	0.00	0.05	0.00
10/17/2016	0.00	0.05	0.00	0.05	0.00
10/18/2016	0.00	0.05	0.00	0.05	0.00
10/19/2016	0.00	0.05	0.00	0.05	0.00
10/20/2016	0.00	0.05	0.00	0.05	0.00
10/21/2016	0.00	0.05	0.00	0.05	0.00
10/22/2016	0.75	0.05	0.00	0.05	0.17
10/23/2016	0.29	0.05	0.00	0.05	0.06
10/24/2016	0.15	0.05	0.00	0.05	0.02
10/25/2016	0.02	0.05	0.00	0.05	0.00
10/26/2016	0.00	0.05	0.00	0.05	0.00
10/27/2016	0.00	0.05	0.00	0.05	0.00
10/28/2016	0.88	0.05	0.01	0.05	0.20
10/29/2016	0.00	0.05	0.01	0.05	0.00
10/30/2016	0.00	0.05	0.01	0.05	0.00
10/31/2016	0.43	0.05	0.01	0.05	0.09
11/1/2016	0.00	0.03	0.01	0.03	0.00
11/2/2016	0.00	0.03	0.01	0.03	0.00
11/3/2016	0.00	0.03	0.00	0.03	0.00
11/4/2016	0.02	0.03	0.00	0.03	0.00
11/5/2016	0.00	0.03	0.00	0.03	0.00
11/6/2016	0.00	0.03	0.00	0.03	0.00
11/7/2016	0.00	0.03	0.00	0.03	0.00
11/8/2016	0.00	0.03	0.00	0.03	0.00
11/9/2016	0.00	0.03	0.00	0.03	0.00
11/10/2016	0.04	0.03	0.00	0.03	0.00
11/11/2016	0.00	0.03	0.00	0.03	0.00
11/12/2016	0.00	0.03	0.00	0.03	0.00
11/13/2016	0.00	0.03	0.00	0.03	0.00
11/14/2016	0.00	0.03	0.00	0.03	0.00
11/15/2016	0.00	0.03	0.00	0.03	0.00
11/16/2016	1.91	0.03	0.01	0.03	0.49
11/17/2016	0.00	0.03	0.01	0.03	0.00
11/18/2016	0.00	0.03	0.01	0.03	0.00
11/19/2016	0.00	0.03	0.01	0.03	0.00
11/20/2016	0.80	0.03	0.01	0.03	0.20
11/21/2016	0.00	0.03	0.01	0.03	0.00
11/22/2016	0.00	0.03	0.01	0.03	0.00
11/23/2016	0.00	0.03	0.01	0.03	0.00
11/24/2016	0.00	0.03	0.01	0.03	0.00
11/25/2016	0.11	0.03	0.01	0.03	0.02
11/26/2016	0.00	0.03	0.01	0.03	0.00
11/27/2016	0.00	0.03	0.01	0.03	0.00
11/28/2016	0.00	0.03	0.01	0.03	0.00
11/29/2016	0.00	0.03	0.01	0.03	0.00
11/30/2016	0.95	0.03	0.02	0.03	0.24
12/1/2016	1.17	0.02	0.02	0.02	0.74
12/2/2016	0.00	0.02	0.02	0.02	0.00
12/3/2016	0.00	0.02	0.02	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/4/2016	0.00	0.02	0.02	0.02	0.00
12/5/2016	0.14	0.02	0.02	0.02	0.06
12/6/2016	0.00	0.02	0.02	0.02	0.00
12/7/2016	0.30	0.02	0.02	0.02	0.17
12/8/2016	0.00	0.02	0.02	0.02	0.00
12/9/2016	0.00	0.02	0.02	0.02	0.00
12/10/2016	0.00	0.02	0.02	0.02	0.00
12/11/2016	0.00	0.02	0.02	0.02	0.00
12/12/2016	0.33	0.02	0.03	0.02	0.19
12/13/2016	0.13	0.02	0.03	0.02	0.06
12/14/2016	0.00	0.02	0.03	0.02	0.00
12/15/2016	0.00	0.02	0.03	0.02	0.00
12/16/2016	0.00	0.02	0.03	0.02	0.00
12/17/2016	0.14	0.02	0.03	0.02	0.06
12/18/2016	0.58	0.02	0.03	0.02	0.35
12/19/2016	0.00	0.02	0.03	0.02	0.00
12/20/2016	0.00	0.02	0.03	0.02	0.00
12/21/2016	0.00	0.02	0.03	0.02	0.00
12/22/2016	0.00	0.02	0.03	0.02	0.00
12/23/2016	0.00	0.02	0.03	0.02	0.00
12/24/2016	0.25	0.02	0.03	0.02	0.13
12/25/2016	0.31	0.02	0.03	0.02	0.18
12/26/2016	0.00	0.02	0.03	0.02	0.00
12/27/2016	0.03	0.02	0.03	0.02	0.00
12/28/2016	0.00	0.02	0.03	0.02	0.00
12/29/2016	0.00	0.02	0.03	0.02	0.00
12/30/2016	0.32	0.02	0.03	0.02	0.18
12/31/2016	0.02	0.02	0.03	0.02	0.00
1/1/2017	0.00	0.02	0.03	0.02	0.00
1/2/2017	0.00	0.02	0.03	0.02	0.00
1/3/2017	0.04	0.02	0.03	0.02	0.00
1/4/2017	0.54	0.02	0.04	0.02	0.41
1/5/2017	0.00	0.02	0.04	0.02	0.00
1/6/2017	0.02	0.02	0.04	0.02	0.00
1/7/2017	0.00	0.02	0.04	0.02	0.00
1/8/2017	0.17	0.02	0.04	0.02	0.10
1/9/2017	0.00	0.02	0.04	0.02	0.00
1/10/2017	0.00	0.02	0.04	0.02	0.00
1/11/2017	0.18	0.02	0.04	0.02	0.11
1/12/2017	0.28	0.02	0.04	0.02	0.19
1/13/2017	0.04	0.02	0.04	0.02	0.00
1/14/2017	0.00	0.02	0.04	0.02	0.00
1/15/2017	0.02	0.02	0.04	0.02	0.00
1/16/2017	0.00	0.02	0.04	0.02	0.00
1/17/2017	0.00	0.02	0.04	0.02	0.00
1/18/2017	0.33	0.02	0.04	0.02	0.23
1/19/2017	0.04	0.02	0.04	0.02	0.00
1/20/2017	0.00	0.02	0.04	0.02	0.00
1/21/2017	0.07	0.02	0.04	0.02	0.01
1/22/2017	0.00	0.02	0.04	0.02	0.00
1/23/2017	0.00	0.02	0.04	0.02	0.00
1/24/2017	1.47	0.02	0.04	0.02	1.19
1/25/2017	0.40	0.02	0.04	0.02	0.29
1/26/2017	0.00	0.02	0.04	0.02	0.00
1/27/2017	0.00	0.02	0.04	0.02	0.00
1/28/2017	0.00	0.02	0.05	0.02	0.00
1/29/2017	0.00	0.02	0.05	0.02	0.00
1/30/2017	0.00	0.02	0.05	0.02	0.00
1/31/2017	0.00	0.02	0.05	0.02	0.00
2/1/2017	0.09	0.02	0.05	0.02	0.01
2/2/2017	0.02	0.02	0.05	0.02	0.00
2/3/2017	0.00	0.02	0.04	0.02	0.00
2/4/2017	0.00	0.02	0.04	0.02	0.00
2/5/2017	0.00	0.02	0.04	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
2/6/2017	0.00	0.02	0.04	0.02	0.00
2/7/2017	0.00	0.02	0.04	0.02	0.00
2/8/2017	0.22	0.02	0.04	0.02	0.12
2/9/2017	0.21	0.02	0.04	0.02	0.11
2/10/2017	0.47	0.02	0.04	0.02	0.31
2/11/2017	0.02	0.02	0.04	0.02	0.00
2/12/2017	0.00	0.02	0.04	0.02	0.00
2/13/2017	0.60	0.02	0.04	0.02	0.40
2/14/2017	0.00	0.02	0.04	0.02	0.00
2/15/2017	0.00	0.02	0.04	0.02	0.00
2/16/2017	0.00	0.02	0.04	0.02	0.00
2/17/2017	0.00	0.02	0.04	0.02	0.00
2/18/2017	0.00	0.02	0.04	0.02	0.00
2/19/2017	0.00	0.02	0.04	0.02	0.00
2/20/2017	0.00	0.02	0.04	0.02	0.00
2/21/2017	0.00	0.02	0.04	0.02	0.00
2/22/2017	0.02	0.02	0.04	0.02	0.00
2/23/2017	0.00	0.02	0.04	0.02	0.00
2/24/2017	0.00	0.02	0.04	0.02	0.00
2/25/2017	0.00	0.02	0.04	0.02	0.00
2/26/2017	0.63	0.02	0.04	0.02	0.42
2/27/2017	0.00	0.02	0.04	0.02	0.00
2/28/2017	0.00	0.02	0.04	0.02	0.00
3/1/2017	0.00	0.03	0.04	0.03	0.00
3/2/2017	0.19	0.03	0.04	0.03	0.08
3/3/2017	0.00	0.03	0.04	0.03	0.00
3/4/2017	0.00	0.03	0.04	0.03	0.00
3/5/2017	0.00	0.03	0.04	0.03	0.00
3/6/2017	0.00	0.03	0.04	0.03	0.00
3/7/2017	0.04	0.03	0.04	0.03	0.00
3/8/2017	0.04	0.03	0.04	0.03	0.00
3/9/2017	0.00	0.03	0.04	0.03	0.00
3/10/2017	0.06	0.03	0.04	0.03	0.00
3/11/2017	0.18	0.03	0.04	0.03	0.08
3/12/2017	0.00	0.03	0.04	0.03	0.00
3/13/2017	0.00	0.03	0.04	0.03	0.00
3/14/2017	0.43	0.03	0.04	0.03	0.25
3/15/2017	0.91	0.03	0.03	0.03	0.59
3/16/2017	0.00	0.03	0.03	0.03	0.00
3/17/2017	0.00	0.03	0.03	0.03	0.00
3/18/2017	0.00	0.03	0.03	0.03	0.00
3/19/2017	0.02	0.03	0.03	0.03	0.00
3/20/2017	0.00	0.03	0.03	0.03	0.00
3/21/2017	0.00	0.03	0.03	0.03	0.00
3/22/2017	0.00	0.03	0.03	0.03	0.00
3/23/2017	0.00	0.03	0.03	0.03	0.00
3/24/2017	0.00	0.03	0.03	0.03	0.00
3/25/2017	0.01	0.03	0.03	0.03	0.00
3/26/2017	0.01	0.03	0.03	0.03	0.00
3/27/2017	0.07	0.03	0.04	0.03	0.00
3/28/2017	0.32	0.03	0.04	0.03	0.18
3/29/2017	0.46	0.03	0.04	0.03	0.27
3/30/2017	0.00	0.03	0.04	0.03	0.00
3/31/2017	0.07	0.03	0.05	0.03	0.00
4/1/2017	1.03	0.07	0.05	0.07	0.54
4/2/2017	0.08	0.07	0.06	0.07	0.00
4/3/2017	0.00	0.07	0.06	0.07	0.00
4/4/2017	0.48	0.07	0.06	0.07	0.21
4/5/2017	0.07	0.07	0.07	0.07	0.00
4/6/2017	0.03	0.07	0.07	0.07	0.00
4/7/2017	0.52	0.07	0.07	0.07	0.23
4/8/2017	0.03	0.07	0.07	0.07	0.00
4/9/2017	0.00	0.07	0.08	0.07	0.00
4/10/2017	0.00	0.07	0.08	0.07	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
4/11/2017	0.00	0.07	0.08	0.07	0.00
4/12/2017	0.00	0.07	0.08	0.07	0.00
4/13/2017	0.00	0.07	0.08	0.07	0.00
4/14/2017	0.00	0.07	0.08	0.07	0.00
4/15/2017	0.00	0.07	0.08	0.07	0.00
4/16/2017	0.00	0.07	0.08	0.07	0.00
4/17/2017	0.15	0.07	0.08	0.07	0.00
4/18/2017	0.00	0.07	0.07	0.07	0.00
4/19/2017	0.00	0.07	0.07	0.07	0.00
4/20/2017	0.16	0.07	0.07	0.07	0.01
4/21/2017	0.52	0.07	0.07	0.07	0.23
4/22/2017	0.08	0.07	0.07	0.07	0.00
4/23/2017	0.03	0.07	0.07	0.07	0.00
4/24/2017	0.00	0.07	0.07	0.07	0.00
4/25/2017	0.08	0.07	0.07	0.07	0.00
4/26/2017	0.24	0.07	0.07	0.07	0.06
4/27/2017	0.03	0.07	0.07	0.07	0.00
4/28/2017	0.02	0.07	0.07	0.07	0.00
4/29/2017	0.00	0.07	0.07	0.07	0.00
4/30/2017	0.00	0.07	0.07	0.07	0.00
5/1/2017	0.02	0.10	0.07	0.10	0.00
5/2/2017	0.08	0.10	0.06	0.10	0.00
5/3/2017	0.00	0.10	0.06	0.10	0.00
5/4/2017	0.00	0.10	0.06	0.10	0.00
5/5/2017	0.06	0.10	0.06	0.10	0.00
5/6/2017	1.85	0.10	0.07	0.10	0.80
5/7/2017	0.27	0.10	0.07	0.10	0.05
5/8/2017	0.22	0.10	0.07	0.10	0.03
5/9/2017	0.00	0.10	0.07	0.10	0.00
5/10/2017	0.00	0.10	0.07	0.10	0.00
5/11/2017	0.00	0.10	0.07	0.10	0.00
5/12/2017	0.00	0.10	0.06	0.10	0.00
5/13/2017	0.08	0.10	0.06	0.10	0.00
5/14/2017	1.47	0.10	0.07	0.10	0.62
5/15/2017	0.17	0.10	0.07	0.10	0.00
5/16/2017	0.00	0.10	0.07	0.10	0.00
5/17/2017	0.00	0.10	0.07	0.10	0.00
5/18/2017	0.00	0.10	0.07	0.10	0.00
5/19/2017	0.00	0.10	0.07	0.10	0.00
5/20/2017	0.04	0.10	0.07	0.10	0.00
5/21/2017	0.00	0.10	0.06	0.10	0.00
5/22/2017	0.00	0.10	0.06	0.10	0.00
5/23/2017	0.12	0.10	0.06	0.10	0.00
5/24/2017	0.00	0.10	0.05	0.10	0.00
5/25/2017	0.02	0.10	0.05	0.10	0.00
5/26/2017	0.45	0.10	0.05	0.10	0.15
5/27/2017	0.09	0.10	0.04	0.10	0.00
5/28/2017	0.00	0.10	0.04	0.10	0.00
5/29/2017	0.00	0.10	0.04	0.10	0.00
5/30/2017	0.33	0.10	0.04	0.10	0.09
5/31/2017	0.03	0.10	0.04	0.10	0.00
6/1/2017	0.42	0.15	0.04	0.15	0.06
6/2/2017	0.00	0.15	0.04	0.15	0.00
6/3/2017	0.00	0.15	0.03	0.15	0.00
6/4/2017	0.00	0.15	0.03	0.15	0.00
6/5/2017	0.33	0.15	0.03	0.15	0.04
6/6/2017	0.21	0.15	0.03	0.15	0.01
6/7/2017	0.10	0.15	0.03	0.15	0.00
6/8/2017	0.00	0.15	0.03	0.15	0.00
6/9/2017	0.00	0.15	0.03	0.15	0.00
6/10/2017	0.00	0.15	0.02	0.15	0.00
6/11/2017	0.00	0.15	0.02	0.15	0.00
6/12/2017	0.00	0.15	0.02	0.15	0.00
6/13/2017	0.00	0.15	0.02	0.15	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
6/14/2017	0.11	0.15	0.02	0.15	0.00
6/15/2017	0.00	0.15	0.02	0.15	0.00
6/16/2017	0.00	0.15	0.01	0.15	0.00
6/17/2017	0.07	0.15	0.01	0.15	0.00
6/18/2017	0.00	0.15	0.01	0.15	0.00
6/19/2017	0.10	0.15	0.01	0.15	0.00
6/20/2017	0.60	0.15	0.02	0.15	0.12
6/21/2017	0.00	0.15	0.02	0.15	0.00
6/22/2017	0.00	0.15	0.02	0.15	0.00
6/23/2017	0.00	0.15	0.02	0.15	0.00
6/24/2017	0.35	0.15	0.02	0.15	0.05
6/25/2017	0.02	0.15	0.02	0.15	0.00
6/26/2017	0.02	0.15	0.02	0.15	0.00
6/27/2017	0.01	0.15	0.01	0.15	0.00
6/28/2017	0.00	0.15	0.01	0.15	0.00
6/29/2017	0.00	0.15	0.01	0.15	0.00
6/30/2017	0.00	0.15	0.01	0.15	0.00
7/1/2017	0.83	0.16	0.01	0.16	0.16
7/2/2017	0.40	0.16	0.01	0.16	0.05
7/3/2017	0.00	0.16	0.01	0.16	0.00
7/4/2017	0.00	0.16	0.01	0.16	0.00
7/5/2017	0.00	0.16	0.01	0.16	0.00
7/6/2017	0.00	0.16	0.01	0.16	0.00
7/7/2017	0.04	0.16	0.01	0.16	0.00
7/8/2017	0.53	0.16	0.01	0.16	0.09
7/9/2017	0.54	0.16	0.01	0.16	0.09
7/10/2017	0.00	0.16	0.01	0.16	0.00
7/11/2017	0.09	0.16	0.01	0.16	0.00
7/12/2017	0.00	0.16	0.01	0.16	0.00
7/13/2017	0.30	0.16	0.01	0.16	0.03
7/14/2017	0.09	0.16	0.01	0.16	0.00
7/15/2017	0.34	0.16	0.01	0.16	0.04
7/16/2017	0.00	0.16	0.01	0.16	0.00
7/17/2017	0.00	0.16	0.00	0.16	0.00
7/18/2017	0.06	0.16	0.00	0.16	0.00
7/19/2017	0.00	0.16	0.00	0.16	0.00
7/20/2017	0.00	0.16	0.00	0.16	0.00
7/21/2017	0.40	0.16	0.00	0.16	0.06
7/22/2017	0.02	0.16	0.00	0.16	0.00
7/23/2017	0.01	0.16	0.00	0.16	0.00
7/24/2017	0.09	0.16	0.00	0.16	0.00
7/25/2017	0.63	0.16	0.00	0.16	0.11
7/26/2017	0.02	0.16	0.00	0.16	0.00
7/27/2017	0.00	0.16	0.00	0.16	0.00
7/28/2017	0.01	0.16	0.00	0.16	0.00
7/29/2017	0.00	0.16	0.00	0.16	0.00
7/30/2017	0.00	0.16	0.00	0.16	0.00
7/31/2017	0.00	0.16	0.00	0.16	0.00
8/1/2017	0.00	0.13	0.00	0.13	0.00
8/2/2017	0.00	0.13	0.00	0.13	0.00
8/3/2017	0.13	0.13	0.00	0.13	0.00
8/4/2017	0.00	0.13	0.00	0.13	0.00
8/5/2017	0.18	0.13	0.00	0.13	0.01
8/6/2017	0.00	0.13	0.00	0.13	0.00
8/7/2017	0.00	0.13	0.00	0.13	0.00
8/8/2017	0.22	0.13	0.00	0.13	0.02
8/9/2017	0.01	0.13	0.00	0.13	0.00
8/10/2017	0.00	0.13	0.00	0.13	0.00
8/11/2017	0.00	0.13	0.00	0.13	0.00
8/12/2017	1.47	0.13	0.00	0.13	0.30
8/13/2017	0.00	0.13	0.00	0.13	0.00
8/14/2017	0.00	0.13	0.00	0.13	0.00
8/15/2017	0.08	0.13	0.00	0.13	0.00
8/16/2017	0.00	0.13	0.00	0.13	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
8/17/2017	0.00	0.13	0.00	0.13	0.00
8/18/2017	0.00	0.13	0.00	0.13	0.00
8/19/2017	0.55	0.13	0.00	0.13	0.10
8/20/2017	0.00	0.13	0.00	0.13	0.00
8/21/2017	0.00	0.13	0.00	0.13	0.00
8/22/2017	0.00	0.13	0.00	0.13	0.00
8/23/2017	0.50	0.13	0.00	0.13	0.08
8/24/2017	0.00	0.13	0.00	0.13	0.00
8/25/2017	0.00	0.13	0.00	0.13	0.00
8/26/2017	0.00	0.13	0.00	0.13	0.00
8/27/2017	0.00	0.13	0.00	0.13	0.00
8/28/2017	0.00	0.13	0.00	0.13	0.00
8/29/2017	0.00	0.13	0.00	0.13	0.00
8/30/2017	0.02	0.13	0.00	0.13	0.00
8/31/2017	0.00	0.13	0.00	0.13	0.00
9/1/2017	0.02	0.09	0.00	0.09	0.00
9/2/2017	0.00	0.09	0.00	0.09	0.00
9/3/2017	0.69	0.09	0.00	0.09	0.13
9/4/2017	0.18	0.09	0.00	0.09	0.02
9/5/2017	0.00	0.09	0.00	0.09	0.00
9/6/2017	0.11	0.09	0.01	0.09	0.00
9/7/2017	0.71	0.09	0.01	0.09	0.14
9/8/2017	0.03	0.09	0.01	0.09	0.00
9/9/2017	0.02	0.09	0.01	0.09	0.00
9/10/2017	0.00	0.09	0.00	0.09	0.00
9/11/2017	0.00	0.09	0.00	0.09	0.00
9/12/2017	0.00	0.09	0.00	0.09	0.00
9/13/2017	0.00	0.09	0.01	0.09	0.00
9/14/2017	0.00	0.09	0.00	0.09	0.00
9/15/2017	0.23	0.09	0.00	0.09	0.03
9/16/2017	0.00	0.09	0.00	0.09	0.00
9/17/2017	0.00	0.09	0.00	0.09	0.00
9/18/2017	0.00	0.09	0.00	0.09	0.00
9/19/2017	0.00	0.09	0.00	0.09	0.00
9/20/2017	0.02	0.09	0.00	0.09	0.00
9/21/2017	0.00	0.09	0.00	0.09	0.00
9/22/2017	0.00	0.09	0.00	0.09	0.00
9/23/2017	0.00	0.09	0.00	0.09	0.00
9/24/2017	0.00	0.09	0.00	0.09	0.00
9/25/2017	0.00	0.09	0.00	0.09	0.00
9/26/2017	0.00	0.09	0.00	0.09	0.00
9/27/2017	0.00	0.09	0.00	0.09	0.00
9/28/2017	0.00	0.09	0.00	0.09	0.00
9/29/2017	0.00	0.09	0.00	0.09	0.00
9/30/2017	0.01	0.09	0.00	0.09	0.00
10/1/2017	0.15	0.06	0.00	0.06	0.02
10/2/2017	0.00	0.06	0.00	0.06	0.00
10/3/2017	0.00	0.06	0.00	0.06	0.00
10/4/2017	0.00	0.06	0.00	0.06	0.00
10/5/2017	0.00	0.06	0.00	0.06	0.00
10/6/2017	0.00	0.06	0.00	0.06	0.00
10/7/2017	0.00	0.06	0.00	0.06	0.00
10/8/2017	0.00	0.06	0.00	0.06	0.00
10/9/2017	0.60	0.06	0.00	0.06	0.11
10/10/2017	0.08	0.06	0.00	0.06	0.00
10/11/2017	0.00	0.06	0.00	0.06	0.00
10/12/2017	0.11	0.06	0.00	0.06	0.01
10/13/2017	0.00	0.06	0.00	0.06	0.00
10/14/2017	0.00	0.06	0.00	0.06	0.00
10/15/2017	0.00	0.06	0.00	0.06	0.00
10/16/2017	0.13	0.06	0.00	0.06	0.02
10/17/2017	0.00	0.06	0.00	0.06	0.00
10/18/2017	0.00	0.06	0.00	0.06	0.00
10/19/2017	0.00	0.06	0.00	0.06	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/20/2017	0.00	0.06	0.00	0.06	0.00
10/21/2017	0.00	0.06	0.00	0.06	0.00
10/22/2017	0.00	0.06	0.00	0.06	0.00
10/23/2017	0.00	0.06	0.00	0.06	0.00
10/24/2017	0.02	0.06	0.00	0.06	0.00
10/25/2017	0.22	0.06	0.00	0.06	0.03
10/26/2017	0.00	0.06	0.00	0.06	0.00
10/27/2017	0.00	0.06	0.00	0.06	0.00
10/28/2017	0.00	0.06	0.00	0.06	0.00
10/29/2017	0.08	0.06	0.00	0.06	0.00
10/30/2017	3.06	0.06	0.01	0.06	0.63
10/31/2017	0.08	0.06	0.01	0.06	0.00
11/1/2017	0.00	0.02	0.01	0.02	0.00
11/2/2017	0.03	0.02	0.01	0.02	0.00
11/3/2017	0.00	0.02	0.01	0.02	0.00
11/4/2017	0.00	0.02	0.01	0.02	0.00
11/5/2017	0.02	0.02	0.01	0.02	0.00
11/6/2017	0.06	0.02	0.01	0.02	0.01
11/7/2017	0.09	0.02	0.01	0.02	0.01
11/8/2017	0.17	0.02	0.01	0.02	0.03
11/9/2017	0.00	0.02	0.01	0.02	0.00
11/10/2017	0.00	0.02	0.01	0.02	0.00
11/11/2017	0.00	0.02	0.01	0.02	0.00
11/12/2017	0.00	0.02	0.01	0.02	0.00
11/13/2017	0.00	0.02	0.01	0.02	0.00
11/14/2017	0.04	0.02	0.01	0.02	0.00
11/15/2017	0.00	0.02	0.01	0.02	0.00
11/16/2017	0.08	0.02	0.01	0.02	0.01
11/17/2017	0.07	0.02	0.01	0.02	0.01
11/18/2017	0.00	0.02	0.01	0.02	0.00
11/19/2017	0.34	0.02	0.01	0.02	0.06
11/20/2017	0.00	0.02	0.01	0.02	0.00
11/21/2017	0.00	0.02	0.01	0.02	0.00
11/22/2017	0.00	0.02	0.01	0.02	0.00
11/23/2017	0.04	0.02	0.01	0.02	0.00
11/24/2017	0.00	0.02	0.01	0.02	0.00
11/25/2017	0.00	0.02	0.01	0.02	0.00
11/26/2017	0.00	0.02	0.01	0.02	0.00
11/27/2017	0.00	0.02	0.01	0.02	0.00
11/28/2017	0.00	0.02	0.01	0.02	0.00
11/29/2017	0.00	0.02	0.01	0.02	0.00
11/30/2017	0.00	0.02	0.01	0.02	0.00
12/1/2017	0.13	0.01	0.01	0.01	0.00
12/2/2017	0.00	0.01	0.01	0.01	0.00
12/3/2017	0.00	0.01	0.01	0.01	0.00
12/4/2017	0.00	0.01	0.01	0.01	0.00
12/5/2017	0.00	0.01	0.01	0.01	0.00
12/6/2017	0.33	0.01	0.01	0.01	0.00
12/7/2017	0.00	0.01	0.01	0.01	0.00
12/8/2017	0.00	0.01	0.01	0.01	0.00
12/9/2017	0.00	0.01	0.01	0.01	0.00
12/10/2017	0.30	0.01	0.01	0.01	0.00
12/11/2017	0.00	0.01	0.01	0.01	0.00
12/12/2017	0.00	0.01	0.01	0.01	0.00
12/13/2017	0.21	0.01	0.01	0.01	0.00
12/14/2017	0.07	0.01	0.01	0.01	0.00
12/15/2017	0.00	0.01	0.01	0.01	0.00
12/16/2017	0.02	0.01	0.01	0.01	0.00
12/17/2017	0.00	0.01	0.01	0.01	0.00
12/18/2017	0.00	0.01	0.01	0.01	0.00
12/19/2017	0.00	0.01	0.01	0.01	0.00
12/20/2017	0.00	0.01	0.01	0.01	0.00
12/21/2017	0.00	0.01	0.01	0.01	0.00
12/22/2017	0.00	0.01	0.01	0.01	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/23/2017	0.11	0.01	0.01	0.01	0.00
12/24/2017	0.52	0.01	0.01	0.01	0.00
12/25/2017	0.28	0.01	0.01	0.01	0.00
12/26/2017	0.00	0.01	0.01	0.01	0.00
12/27/2017	0.00	0.01	0.01	0.01	0.00
12/28/2017	0.00	0.01	0.01	0.01	0.00
12/29/2017	0.00	0.01	0.01	0.01	0.00
12/30/2017	0.01	0.01	0.02	0.01	0.00
12/31/2017	0.03	0.01	0.02	0.01	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/1/2015	0.00	0.01	0.03	0.01	0.00
1/2/2015	0.00	0.01	0.03	0.01	0.00
1/3/2015	0.00	0.01	0.03	0.01	0.00
1/4/2015	0.75	0.01	0.03	0.01	0.11
1/5/2015	0.00	0.01	0.03	0.01	0.00
1/6/2015	0.00	0.01	0.03	0.01	0.00
1/7/2015	0.01	0.01	0.03	0.01	0.00
1/8/2015	0.00	0.01	0.03	0.01	0.00
1/9/2015	0.01	0.01	0.03	0.01	0.00
1/10/2015	0.04	0.01	0.03	0.01	0.00
1/11/2015	0.00	0.01	0.03	0.01	0.00
1/12/2015	0.00	0.01	0.03	0.01	0.00
1/13/2015	0.66	0.01	0.03	0.01	0.10
1/14/2015	0.00	0.01	0.02	0.01	0.00
1/15/2015	0.00	0.01	0.02	0.01	0.00
1/16/2015	0.00	0.01	0.02	0.01	0.00
1/17/2015	0.00	0.01	0.02	0.01	0.00
1/18/2015	0.00	0.01	0.02	0.01	0.00
1/19/2015	1.38	0.01	0.03	0.01	0.22
1/20/2015	0.00	0.01	0.03	0.01	0.00
1/21/2015	0.00	0.01	0.03	0.01	0.00
1/22/2015	0.01	0.01	0.03	0.01	0.00
1/23/2015	0.00	0.01	0.03	0.01	0.00
1/24/2015	0.54	0.01	0.03	0.01	0.08
1/25/2015	0.06	0.01	0.03	0.01	0.00
1/26/2015	0.00	0.01	0.03	0.01	0.00
1/27/2015	0.26	0.01	0.03	0.01	0.04
1/28/2015	0.04	0.01	0.03	0.01	0.00
1/29/2015	0.00	0.01	0.03	0.01	0.00
1/30/2015	0.19	0.01	0.03	0.01	0.02
1/31/2015	0.05	0.01	0.03	0.01	0.00
2/1/2015	0.00	0.01	0.03	0.01	0.00
2/2/2015	0.72	0.01	0.03	0.01	0.07
2/3/2015	0.07	0.01	0.03	0.01	0.00
2/4/2015	0.00	0.01	0.02	0.01	0.00
2/5/2015	0.01	0.01	0.02	0.01	0.00
2/6/2015	0.11	0.01	0.02	0.01	0.01
2/7/2015	0.00	0.01	0.02	0.01	0.00
2/8/2015	0.00	0.01	0.02	0.01	0.00
2/9/2015	0.45	0.01	0.02	0.01	0.04
2/10/2015	0.45	0.01	0.01	0.01	0.04
2/11/2015	0.00	0.01	0.01	0.01	0.00
2/12/2015	0.00	0.01	0.01	0.01	0.00
2/13/2015	0.02	0.01	0.01	0.01	0.00
2/14/2015	0.00	0.01	0.01	0.01	0.00
2/15/2015	0.11	0.01	0.01	0.01	0.01
2/16/2015	0.00	0.01	0.01	0.01	0.00
2/17/2015	0.00	0.01	0.01	0.01	0.00
2/18/2015	0.00	0.01	0.01	0.01	0.00
2/19/2015	0.00	0.01	0.01	0.01	0.00
2/20/2015	0.00	0.01	0.00	0.01	0.00
2/21/2015	0.00	0.01	0.00	0.01	0.00
2/22/2015	0.35	0.01	0.00	0.01	0.03
2/23/2015	0.00	0.01	0.00	0.01	0.00
2/24/2015	0.00	0.01	0.00	0.01	0.00
2/25/2015	0.00	0.01	0.00	0.01	0.00
2/26/2015	0.00	0.01	0.00	0.01	0.00
2/27/2015	0.04	0.01	0.00	0.01	0.00
2/28/2015	0.00	0.01	0.00	0.01	0.00
3/1/2015	0.00	0.03	0.00	0.03	0.00
3/2/2015	0.54	0.03	0.00	0.03	0.34
3/3/2015	0.00	0.03	0.00	0.03	0.00
3/4/2015	0.74	0.03	0.00	0.03	0.48
3/5/2015	0.06	0.03	0.00	0.03	0.02
3/6/2015	0.04	0.03	0.00	0.03	0.01

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/7/2015	0.00	0.03	0.00	0.03	0.00
3/8/2015	0.00	0.03	0.00	0.03	0.00
3/9/2015	0.00	0.03	0.00	0.03	0.00
3/10/2015	0.00	0.03	0.01	0.03	0.00
3/11/2015	0.19	0.03	0.01	0.03	0.10
3/12/2015	0.00	0.03	0.01	0.03	0.00
3/13/2015	0.00	0.03	0.01	0.03	0.00
3/14/2015	0.17	0.03	0.01	0.03	0.09
3/15/2015	0.35	0.03	0.01	0.03	0.21
3/16/2015	0.00	0.03	0.01	0.03	0.00
3/17/2015	0.03	0.03	0.01	0.03	0.00
3/18/2015	0.03	0.03	0.02	0.03	0.00
3/19/2015	0.00	0.03	0.02	0.03	0.00
3/20/2015	0.00	0.03	0.02	0.03	0.00
3/21/2015	0.23	0.03	0.02	0.03	0.12
3/22/2015	0.00	0.03	0.02	0.03	0.00
3/23/2015	0.00	0.03	0.02	0.03	0.00
3/24/2015	0.00	0.03	0.02	0.03	0.00
3/25/2015	0.00	0.03	0.02	0.03	0.00
3/26/2015	0.09	0.03	0.03	0.03	0.03
3/27/2015	0.33	0.03	0.03	0.03	0.19
3/28/2015	0.02	0.03	0.03	0.03	0.00
3/29/2015	0.06	0.03	0.03	0.03	0.00
3/30/2015	0.01	0.03	0.03	0.03	0.00
3/31/2015	0.01	0.03	0.04	0.03	0.00
4/1/2015	0.15	0.06	0.04	0.06	0.04
4/2/2015	0.00	0.06	0.04	0.06	0.00
4/3/2015	0.01	0.06	0.04	0.06	0.00
4/4/2015	0.57	0.06	0.04	0.06	0.38
4/5/2015	0.00	0.06	0.05	0.06	0.00
4/6/2015	0.00	0.06	0.05	0.06	0.00
4/7/2015	0.00	0.06	0.05	0.06	0.00
4/8/2015	0.16	0.06	0.05	0.06	0.04
4/9/2015	0.19	0.06	0.05	0.06	0.06
4/10/2015	0.20	0.06	0.05	0.06	0.07
4/11/2015	0.01	0.06	0.05	0.06	0.00
4/12/2015	0.00	0.06	0.05	0.06	0.00
4/13/2015	0.00	0.06	0.05	0.06	0.00
4/14/2015	0.09	0.06	0.05	0.06	0.00
4/15/2015	0.09	0.06	0.05	0.06	0.00
4/16/2015	0.00	0.06	0.04	0.06	0.00
4/17/2015	0.13	0.06	0.04	0.06	0.02
4/18/2015	0.03	0.06	0.04	0.06	0.00
4/19/2015	0.00	0.06	0.04	0.06	0.00
4/20/2015	0.06	0.06	0.04	0.06	0.00
4/21/2015	0.79	0.06	0.04	0.06	0.57
4/22/2015	0.01	0.06	0.04	0.06	0.00
4/23/2015	0.12	0.06	0.04	0.06	0.02
4/24/2015	0.00	0.06	0.04	0.06	0.00
4/25/2015	0.00	0.06	0.04	0.06	0.00
4/26/2015	0.00	0.06	0.04	0.06	0.00
4/27/2015	0.00	0.06	0.04	0.06	0.00
4/28/2015	0.00	0.06	0.04	0.06	0.00
4/29/2015	0.00	0.06	0.04	0.06	0.00
4/30/2015	0.00	0.06	0.04	0.06	0.00
5/1/2015	0.00	0.12	0.04	0.12	0.00
5/2/2015	0.00	0.12	0.04	0.12	0.00
5/3/2015	0.00	0.12	0.04	0.12	0.00
5/4/2015	0.00	0.12	0.03	0.12	0.00
5/5/2015	0.00	0.12	0.03	0.12	0.00
5/6/2015	0.00	0.12	0.03	0.12	0.00
5/7/2015	0.01	0.12	0.03	0.12	0.00
5/8/2015	0.00	0.12	0.02	0.12	0.00
5/9/2015	0.00	0.12	0.02	0.12	0.00
5/10/2015	0.00	0.12	0.02	0.12	0.00
5/11/2015	0.00	0.12	0.02	0.12	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/12/2015	0.00	0.12	0.02	0.12	0.00
5/13/2015	0.00	0.12	0.01	0.12	0.00
5/14/2015	0.00	0.12	0.01	0.12	0.00
5/15/2015	0.00	0.12	0.01	0.12	0.00
5/16/2015	0.34	0.12	0.01	0.12	0.08
5/17/2015	0.72	0.12	0.01	0.12	0.23
5/18/2015	0.00	0.12	0.01	0.12	0.00
5/19/2015	0.15	0.12	0.01	0.12	0.01
5/20/2015	0.42	0.12	0.01	0.12	0.11
5/21/2015	0.00	0.12	0.01	0.12	0.00
5/22/2015	0.00	0.12	0.01	0.12	0.00
5/23/2015	0.00	0.12	0.00	0.12	0.00
5/24/2015	0.00	0.12	0.00	0.12	0.00
5/25/2015	0.00	0.12	0.00	0.12	0.00
5/26/2015	0.00	0.12	0.00	0.12	0.00
5/27/2015	0.00	0.12	0.00	0.12	0.00
5/28/2015	0.67	0.12	0.00	0.12	0.22
5/29/2015	0.06	0.12	0.00	0.12	0.00
5/30/2015	0.00	0.12	0.00	0.12	0.00
5/31/2015	0.08	0.12	0.00	0.12	0.00
6/1/2015	0.96	0.14	0.00	0.14	0.23
6/2/2015	0.74	0.14	0.01	0.14	0.17
6/3/2015	0.20	0.14	0.01	0.14	0.01
6/4/2015	0.00	0.14	0.01	0.14	0.00
6/5/2015	0.00	0.14	0.01	0.14	0.00
6/6/2015	0.03	0.14	0.01	0.14	0.00
6/7/2015	0.00	0.14	0.01	0.14	0.00
6/8/2015	0.00	0.14	0.01	0.14	0.00
6/9/2015	0.27	0.14	0.01	0.14	0.03
6/10/2015	0.05	0.14	0.01	0.14	0.00
6/11/2015	0.00	0.14	0.01	0.14	0.00
6/12/2015	0.01	0.14	0.01	0.14	0.00
6/13/2015	0.03	0.14	0.01	0.14	0.00
6/14/2015	0.00	0.14	0.01	0.14	0.00
6/15/2015	0.20	0.14	0.01	0.14	0.01
6/16/2015	0.04	0.14	0.01	0.14	0.00
6/17/2015	0.05	0.14	0.01	0.14	0.00
6/18/2015	0.00	0.14	0.00	0.14	0.00
6/19/2015	0.03	0.14	0.00	0.14	0.00
6/20/2015	0.12	0.14	0.00	0.14	0.00
6/21/2015	0.69	0.14	0.00	0.14	0.15
6/22/2015	0.58	0.14	0.01	0.14	0.12
6/23/2015	0.07	0.14	0.01	0.14	0.00
6/24/2015	0.09	0.14	0.01	0.14	0.00
6/25/2015	0.00	0.14	0.01	0.14	0.00
6/26/2015	0.00	0.14	0.00	0.14	0.00
6/27/2015	0.00	0.14	0.00	0.14	0.00
6/28/2015	0.89	0.14	0.01	0.14	0.21
6/29/2015	0.11	0.14	0.01	0.14	0.00
6/30/2015	0.00	0.14	0.01	0.14	0.00
7/1/2015	0.81	0.17	0.01	0.17	0.17
7/2/2015	0.01	0.17	0.01	0.17	0.00
7/3/2015	0.00	0.17	0.01	0.17	0.00
7/4/2015	0.00	0.17	0.01	0.17	0.00
7/5/2015	0.08	0.17	0.01	0.17	0.00
7/6/2015	0.00	0.17	0.01	0.17	0.00
7/7/2015	0.00	0.17	0.01	0.17	0.00
7/8/2015	0.34	0.17	0.01	0.17	0.04
7/9/2015	0.00	0.17	0.01	0.17	0.00
7/10/2015	0.12	0.17	0.01	0.17	0.00
7/11/2015	0.00	0.17	0.01	0.17	0.00
7/12/2015	0.00	0.17	0.00	0.17	0.00
7/13/2015	0.00	0.17	0.00	0.17	0.00
7/14/2015	0.00	0.17	0.00	0.17	0.00
7/15/2015	0.00	0.17	0.00	0.17	0.00
7/16/2015	0.00	0.17	0.00	0.17	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/17/2015	0.00	0.17	0.00	0.17	0.00
7/18/2015	0.00	0.17	0.00	0.17	0.00
7/19/2015	0.05	0.17	0.00	0.17	0.00
7/20/2015	0.00	0.17	0.00	0.17	0.00
7/21/2015	0.00	0.17	0.00	0.17	0.00
7/22/2015	0.23	0.17	0.00	0.17	0.01
7/23/2015	0.00	0.17	0.00	0.17	0.00
7/24/2015	0.00	0.17	0.00	0.17	0.00
7/25/2015	0.00	0.17	0.00	0.17	0.00
7/26/2015	0.30	0.17	0.00	0.17	0.03
7/27/2015	0.69	0.17	0.00	0.17	0.14
7/28/2015	0.00	0.17	0.00	0.17	0.00
7/29/2015	0.00	0.17	0.00	0.17	0.00
7/30/2015	0.00	0.17	0.00	0.17	0.00
7/31/2015	0.20	0.17	0.00	0.17	0.01
8/1/2015	0.00	0.15	0.00	0.15	0.00
8/2/2015	0.00	0.15	0.00	0.15	0.00
8/3/2015	0.00	0.15	0.00	0.15	0.00
8/4/2015	0.05	0.15	0.00	0.15	0.00
8/5/2015	0.00	0.15	0.00	0.15	0.00
8/6/2015	0.00	0.15	0.00	0.15	0.00
8/7/2015	0.00	0.15	0.00	0.15	0.00
8/8/2015	0.00	0.15	0.00	0.15	0.00
8/9/2015	0.00	0.15	0.00	0.15	0.00
8/10/2015	0.00	0.15	0.00	0.15	0.00
8/11/2015	0.22	0.15	0.00	0.15	0.02
8/12/2015	0.80	0.15	0.00	0.15	0.14
8/13/2015	0.00	0.15	0.00	0.15	0.00
8/14/2015	0.00	0.15	0.00	0.15	0.00
8/15/2015	0.00	0.15	0.00	0.15	0.00
8/16/2015	0.00	0.15	0.00	0.15	0.00
8/17/2015	0.00	0.15	0.00	0.15	0.00
8/18/2015	0.00	0.15	0.00	0.15	0.00
8/19/2015	0.00	0.15	0.00	0.15	0.00
8/20/2015	0.00	0.15	0.00	0.15	0.00
8/21/2015	1.94	0.15	0.00	0.15	0.40
8/22/2015	0.02	0.15	0.00	0.15	0.00
8/23/2015	0.00	0.15	0.00	0.15	0.00
8/24/2015	0.00	0.15	0.00	0.15	0.00
8/25/2015	0.04	0.15	0.00	0.15	0.00
8/26/2015	0.00	0.15	0.00	0.15	0.00
8/27/2015	0.00	0.15	0.00	0.15	0.00
8/28/2015	0.00	0.15	0.00	0.15	0.00
8/29/2015	0.00	0.15	0.00	0.15	0.00
8/30/2015	0.00	0.15	0.00	0.15	0.00
8/31/2015	0.00	0.15	0.00	0.15	0.00
9/1/2015	0.00	0.10	0.00	0.10	0.00
9/2/2015	0.00	0.10	0.00	0.10	0.00
9/3/2015	0.00	0.10	0.00	0.10	0.00
9/4/2015	0.00	0.10	0.00	0.10	0.00
9/5/2015	0.00	0.10	0.00	0.10	0.00
9/6/2015	0.00	0.10	0.00	0.10	0.00
9/7/2015	0.00	0.10	0.00	0.10	0.00
9/8/2015	0.00	0.10	0.00	0.10	0.00
9/9/2015	0.00	0.10	0.00	0.10	0.00
9/10/2015	0.04	0.10	0.00	0.10	0.00
9/11/2015	0.78	0.10	0.00	0.10	0.15
9/12/2015	0.01	0.10	0.00	0.10	0.00
9/13/2015	0.99	0.10	0.00	0.10	0.19
9/14/2015	0.00	0.10	0.00	0.10	0.00
9/15/2015	0.00	0.10	0.00	0.10	0.00
9/16/2015	0.00	0.10	0.00	0.10	0.00
9/17/2015	0.00	0.10	0.00	0.10	0.00
9/18/2015	0.00	0.10	0.00	0.10	0.00
9/19/2015	0.00	0.10	0.00	0.10	0.00
9/20/2015	0.01	0.10	0.00	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/21/2015	0.00	0.10	0.00	0.10	0.00
9/22/2015	0.00	0.10	0.00	0.10	0.00
9/23/2015	0.00	0.10	0.00	0.10	0.00
9/24/2015	0.00	0.10	0.00	0.10	0.00
9/25/2015	0.00	0.10	0.00	0.10	0.00
9/26/2015	0.00	0.10	0.00	0.10	0.00
9/27/2015	0.00	0.10	0.00	0.10	0.00
9/28/2015	0.00	0.10	0.00	0.10	0.00
9/29/2015	0.00	0.10	0.00	0.10	0.00
9/30/2015	1.49	0.10	0.00	0.10	0.30
10/1/2015	0.24	0.04	0.00	0.04	0.04
10/2/2015	0.03	0.04	0.00	0.04	0.00
10/3/2015	0.35	0.04	0.00	0.04	0.06
10/4/2015	0.12	0.04	0.00	0.04	0.02
10/5/2015	0.00	0.04	0.00	0.04	0.00
10/6/2015	0.00	0.04	0.00	0.04	0.00
10/7/2015	0.00	0.04	0.00	0.04	0.00
10/8/2015	0.00	0.04	0.00	0.04	0.00
10/9/2015	0.33	0.04	0.00	0.04	0.06
10/10/2015	0.00	0.04	0.00	0.04	0.00
10/11/2015	0.00	0.04	0.00	0.04	0.00
10/12/2015	0.00	0.04	0.00	0.04	0.00
10/13/2015	0.01	0.04	0.00	0.04	0.00
10/14/2015	0.00	0.04	0.00	0.04	0.00
10/15/2015	0.00	0.04	0.00	0.04	0.00
10/16/2015	0.03	0.04	0.00	0.04	0.00
10/17/2015	0.00	0.04	0.00	0.04	0.00
10/18/2015	0.00	0.04	0.00	0.04	0.00
10/19/2015	0.00	0.04	0.00	0.04	0.00
10/20/2015	0.00	0.04	0.00	0.04	0.00
10/21/2015	0.00	0.04	0.00	0.04	0.00
10/22/2015	0.00	0.04	0.00	0.04	0.00
10/23/2015	0.00	0.04	0.00	0.04	0.00
10/24/2015	0.00	0.04	0.00	0.04	0.00
10/25/2015	0.24	0.04	0.00	0.04	0.04
10/26/2015	0.00	0.04	0.00	0.04	0.00
10/27/2015	0.00	0.04	0.00	0.04	0.00
10/28/2015	0.00	0.04	0.00	0.04	0.00
10/29/2015	2.04	0.04	0.00	0.04	0.42
10/30/2015	0.00	0.04	0.00	0.04	0.00
10/31/2015	0.00	0.04	0.00	0.04	0.00
11/1/2015	0.00	0.03	0.00	0.03	0.00
11/2/2015	0.00	0.03	0.00	0.03	0.00
11/3/2015	0.00	0.03	0.00	0.03	0.00
11/4/2015	0.00	0.03	0.00	0.03	0.00
11/5/2015	0.00	0.03	0.00	0.03	0.00
11/6/2015	0.00	0.03	0.00	0.03	0.00
11/7/2015	0.00	0.03	0.00	0.03	0.00
11/8/2015	0.00	0.03	0.00	0.03	0.00
11/9/2015	0.00	0.03	0.00	0.03	0.00
11/10/2015	0.00	0.03	0.00	0.03	0.00
11/11/2015	0.47	0.03	0.00	0.03	0.09
11/12/2015	0.22	0.03	0.00	0.03	0.04
11/13/2015	0.19	0.03	0.00	0.03	0.03
11/14/2015	0.00	0.03	0.00	0.03	0.00
11/15/2015	0.00	0.03	0.00	0.03	0.00
11/16/2015	0.00	0.03	0.00	0.03	0.00
11/17/2015	0.00	0.03	0.00	0.03	0.00
11/18/2015	0.00	0.03	0.00	0.03	0.00
11/19/2015	0.00	0.03	0.00	0.03	0.00
11/20/2015	0.81	0.03	0.01	0.03	0.16
11/21/2015	0.00	0.03	0.01	0.03	0.00
11/22/2015	0.05	0.03	0.01	0.03	0.00
11/23/2015	0.00	0.03	0.01	0.03	0.00
11/24/2015	0.00	0.03	0.01	0.03	0.00
11/25/2015	0.00	0.03	0.01	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/26/2015	0.00	0.03	0.01	0.03	0.00
11/27/2015	0.00	0.03	0.01	0.03	0.00
11/28/2015	0.00	0.03	0.01	0.03	0.00
11/29/2015	0.03	0.03	0.01	0.03	0.00
11/30/2015	0.00	0.03	0.01	0.03	0.00
12/1/2015	0.00	0.02	0.01	0.02	0.00
12/2/2015	0.36	0.02	0.01	0.02	0.08
12/3/2015	0.58	0.02	0.01	0.02	0.13
12/4/2015	0.01	0.02	0.01	0.02	0.00
12/5/2015	0.00	0.02	0.01	0.02	0.00
12/6/2015	0.00	0.02	0.01	0.02	0.00
12/7/2015	0.00	0.02	0.01	0.02	0.00
12/8/2015	0.00	0.02	0.01	0.02	0.00
12/9/2015	0.00	0.02	0.01	0.02	0.00
12/10/2015	0.00	0.02	0.01	0.02	0.00
12/11/2015	0.00	0.02	0.01	0.02	0.00
12/12/2015	0.00	0.02	0.01	0.02	0.00
12/13/2015	0.00	0.02	0.01	0.02	0.00
12/14/2015	0.00	0.02	0.01	0.02	0.00
12/15/2015	0.30	0.02	0.01	0.02	0.06
12/16/2015	0.01	0.02	0.01	0.02	0.00
12/17/2015	0.06	0.02	0.01	0.02	0.01
12/18/2015	0.60	0.02	0.01	0.02	0.13
12/19/2015	0.02	0.02	0.01	0.02	0.00
12/20/2015	0.00	0.02	0.01	0.02	0.00
12/21/2015	0.00	0.02	0.01	0.02	0.00
12/22/2015	0.04	0.02	0.01	0.02	0.00
12/23/2015	0.17	0.02	0.01	0.02	0.03
12/24/2015	0.87	0.02	0.01	0.02	0.20
12/25/2015	0.01	0.02	0.02	0.02	0.00
12/26/2015	0.00	0.02	0.02	0.02	0.00
12/27/2015	0.17	0.02	0.02	0.02	0.03
12/28/2015	0.06	0.02	0.02	0.02	0.00
12/29/2015	0.59	0.02	0.02	0.02	0.13
12/30/2015	0.17	0.02	0.02	0.02	0.03
12/31/2015	0.30	0.02	0.02	0.02	0.06
1/1/2016	0.00	0.02	0.03	0.02	0.00
1/2/2016	0.00	0.02	0.03	0.02	0.00
1/3/2016	0.00	0.02	0.03	0.02	0.00
1/4/2016	0.01	0.02	0.03	0.02	0.00
1/5/2016	0.00	0.02	0.03	0.02	0.00
1/6/2016	0.00	0.02	0.03	0.02	0.00
1/7/2016	0.00	0.02	0.03	0.02	0.00
1/8/2016	0.00	0.02	0.03	0.02	0.00
1/9/2016	0.00	0.02	0.03	0.02	0.00
1/10/2016	0.40	0.02	0.03	0.02	0.01
1/11/2016	0.97	0.02	0.03	0.02	0.01
1/12/2016	0.00	0.02	0.03	0.02	0.00
1/13/2016	0.03	0.02	0.03	0.02	0.00
1/14/2016	0.01	0.02	0.03	0.02	0.00
1/15/2016	0.00	0.02	0.03	0.02	0.00
1/16/2016	0.23	0.02	0.03	0.02	0.00
1/17/2016	0.15	0.02	0.04	0.02	0.00
1/18/2016	0.01	0.02	0.04	0.02	0.00
1/19/2016	0.00	0.02	0.04	0.02	0.00
1/20/2016	0.00	0.02	0.03	0.02	0.00
1/21/2016	0.00	0.02	0.03	0.02	0.00
1/22/2016	0.00	0.02	0.03	0.02	0.00
1/23/2016	0.00	0.02	0.03	0.02	0.00
1/24/2016	0.26	0.02	0.03	0.02	0.00
1/25/2016	0.00	0.02	0.03	0.02	0.00
1/26/2016	0.00	0.02	0.03	0.02	0.00
1/27/2016	0.00	0.02	0.03	0.02	0.00
1/28/2016	0.00	0.02	0.03	0.02	0.00
1/29/2016	0.00	0.02	0.03	0.02	0.00
1/30/2016	0.02	0.02	0.03	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/31/2016	0.00	0.02	0.03	0.02	0.00
2/1/2016	0.00	0.02	0.03	0.02	0.00
2/2/2016	0.00	0.02	0.03	0.02	0.00
2/3/2016	0.00	0.02	0.03	0.02	0.00
2/4/2016	0.37	0.02	0.03	0.02	0.24
2/5/2016	0.01	0.02	0.03	0.02	0.00
2/6/2016	0.03	0.02	0.03	0.02	0.00
2/7/2016	0.00	0.02	0.03	0.02	0.00
2/8/2016	0.00	0.02	0.03	0.02	0.00
2/9/2016	0.09	0.02	0.03	0.02	0.03
2/10/2016	0.02	0.02	0.03	0.02	0.00
2/11/2016	0.00	0.02	0.03	0.02	0.00
2/12/2016	0.00	0.02	0.03	0.02	0.00
2/13/2016	0.00	0.02	0.03	0.02	0.00
2/14/2016	0.00	0.02	0.03	0.02	0.00
2/15/2016	0.00	0.02	0.03	0.02	0.00
2/16/2016	0.50	0.02	0.03	0.02	0.34
2/17/2016	1.31	0.02	0.03	0.02	0.94
2/18/2016	0.00	0.02	0.03	0.02	0.00
2/19/2016	0.00	0.02	0.03	0.02	0.00
2/20/2016	0.00	0.02	0.03	0.02	0.00
2/21/2016	0.00	0.02	0.03	0.02	0.00
2/22/2016	0.00	0.02	0.04	0.02	0.00
2/23/2016	0.00	0.02	0.04	0.02	0.00
2/24/2016	0.24	0.02	0.04	0.02	0.13
2/25/2016	2.43	0.02	0.04	0.02	1.76
2/26/2016	0.06	0.02	0.05	0.02	0.00
2/27/2016	0.00	0.02	0.05	0.02	0.00
2/28/2016	0.00	0.02	0.05	0.02	0.00
2/29/2016	0.00	0.02	0.05	0.02	0.00
3/1/2016	0.05	0.04	0.05	0.04	0.00
3/2/2016	0.11	0.04	0.06	0.04	0.01
3/3/2016	0.00	0.04	0.06	0.04	0.00
3/4/2016	0.01	0.04	0.05	0.04	0.00
3/5/2016	0.01	0.04	0.05	0.04	0.00
3/6/2016	0.00	0.04	0.05	0.04	0.00
3/7/2016	0.00	0.04	0.05	0.04	0.00
3/8/2016	0.00	0.04	0.05	0.04	0.00
3/9/2016	0.00	0.04	0.05	0.04	0.00
3/10/2016	0.10	0.04	0.05	0.04	0.00
3/11/2016	0.21	0.04	0.05	0.04	0.10
3/12/2016	0.00	0.04	0.05	0.04	0.00
3/13/2016	0.00	0.04	0.05	0.04	0.00
3/14/2016	0.02	0.04	0.04	0.04	0.00
3/15/2016	0.05	0.04	0.04	0.04	0.00
3/16/2016	0.00	0.04	0.04	0.04	0.00
3/17/2016	0.22	0.04	0.04	0.04	0.12
3/18/2016	0.02	0.04	0.04	0.04	0.00
3/19/2016	0.00	0.04	0.03	0.04	0.00
3/20/2016	0.00	0.04	0.03	0.04	0.00
3/21/2016	0.01	0.04	0.03	0.04	0.00
3/22/2016	0.00	0.04	0.03	0.04	0.00
3/23/2016	0.00	0.04	0.03	0.04	0.00
3/24/2016	0.00	0.04	0.03	0.04	0.00
3/25/2016	0.00	0.04	0.03	0.04	0.00
3/26/2016	0.01	0.04	0.03	0.04	0.00
3/27/2016	0.00	0.04	0.03	0.04	0.00
3/28/2016	0.01	0.04	0.03	0.04	0.00
3/29/2016	0.35	0.04	0.03	0.04	0.24
3/30/2016	0.00	0.04	0.03	0.04	0.00
3/31/2016	0.00	0.04	0.03	0.04	0.00
4/1/2016	0.00	0.06	0.03	0.06	0.00
4/2/2016	0.01	0.06	0.02	0.06	0.00
4/3/2016	0.35	0.06	0.02	0.06	0.15
4/4/2016	0.02	0.06	0.02	0.06	0.00
4/5/2016	0.23	0.06	0.02	0.06	0.09

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
4/6/2016	0.00	0.06	0.02	0.06	0.00
4/7/2016	0.00	0.06	0.02	0.06	0.00
4/8/2016	0.39	0.06	0.02	0.06	0.18
4/9/2016	0.00	0.06	0.02	0.06	0.00
4/10/2016	0.00	0.06	0.02	0.06	0.00
4/11/2016	0.00	0.06	0.02	0.06	0.00
4/12/2016	0.03	0.06	0.02	0.06	0.00
4/13/2016	0.25	0.06	0.02	0.06	0.10
4/14/2016	0.00	0.06	0.02	0.06	0.00
4/15/2016	0.00	0.06	0.02	0.06	0.00
4/16/2016	0.00	0.06	0.02	0.06	0.00
4/17/2016	0.00	0.06	0.02	0.06	0.00
4/18/2016	0.00	0.06	0.02	0.06	0.00
4/19/2016	0.00	0.06	0.02	0.06	0.00
4/20/2016	0.00	0.06	0.02	0.06	0.00
4/21/2016	0.00	0.06	0.02	0.06	0.00
4/22/2016	0.00	0.06	0.02	0.06	0.00
4/23/2016	0.04	0.06	0.02	0.06	0.00
4/24/2016	0.00	0.06	0.02	0.06	0.00
4/25/2016	0.00	0.06	0.02	0.06	0.00
4/26/2016	0.05	0.06	0.02	0.06	0.00
4/27/2016	0.28	0.06	0.02	0.06	0.11
4/28/2016	0.00	0.06	0.02	0.06	0.00
4/29/2016	0.02	0.06	0.02	0.06	0.00
4/30/2016	0.27	0.06	0.02	0.06	0.11
5/1/2016	0.00	0.10	0.02	0.10	0.00
5/2/2016	0.17	0.10	0.02	0.10	0.02
5/3/2016	0.65	0.10	0.02	0.10	0.21
5/4/2016	0.37	0.10	0.02	0.10	0.09
5/5/2016	0.17	0.10	0.02	0.10	0.02
5/6/2016	0.18	0.10	0.02	0.10	0.02
5/7/2016	0.39	0.10	0.02	0.10	0.10
5/8/2016	0.14	0.10	0.02	0.10	0.01
5/9/2016	0.05	0.10	0.02	0.10	0.00
5/10/2016	0.00	0.10	0.02	0.10	0.00
5/11/2016	0.00	0.10	0.03	0.10	0.00
5/12/2016	0.00	0.10	0.03	0.10	0.00
5/13/2016	0.00	0.10	0.03	0.10	0.00
5/14/2016	0.29	0.10	0.03	0.10	0.06
5/15/2016	0.48	0.10	0.03	0.10	0.13
5/16/2016	0.00	0.10	0.03	0.10	0.00
5/17/2016	0.00	0.10	0.03	0.10	0.00
5/18/2016	0.00	0.10	0.03	0.10	0.00
5/19/2016	0.00	0.10	0.03	0.10	0.00
5/20/2016	0.00	0.10	0.03	0.10	0.00
5/21/2016	0.00	0.10	0.03	0.10	0.00
5/22/2016	0.09	0.10	0.03	0.10	0.00
5/23/2016	0.00	0.10	0.03	0.10	0.00
5/24/2016	0.18	0.10	0.02	0.10	0.02
5/25/2016	0.08	0.10	0.02	0.10	0.00
5/26/2016	0.00	0.10	0.02	0.10	0.00
5/27/2016	0.00	0.10	0.02	0.10	0.00
5/28/2016	0.61	0.10	0.02	0.10	0.19
5/29/2016	0.00	0.10	0.02	0.10	0.00
5/30/2016	0.22	0.10	0.02	0.10	0.04
5/31/2016	0.08	0.10	0.02	0.10	0.00
6/1/2016	0.00	0.15	0.02	0.15	0.00
6/2/2016	0.00	0.15	0.01	0.15	0.00
6/3/2016	0.38	0.15	0.01	0.15	0.05
6/4/2016	0.08	0.15	0.01	0.15	0.00
6/5/2016	0.23	0.15	0.01	0.15	0.01
6/6/2016	0.73	0.15	0.01	0.15	0.14
6/7/2016	0.00	0.15	0.01	0.15	0.00
6/8/2016	0.50	0.15	0.01	0.15	0.08
6/9/2016	0.09	0.15	0.01	0.15	0.00
6/10/2016	0.00	0.15	0.01	0.15	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
6/11/2016	0.00	0.15	0.01	0.15	0.00
6/12/2016	0.04	0.15	0.01	0.15	0.00
6/13/2016	0.00	0.15	0.01	0.15	0.00
6/14/2016	0.00	0.15	0.01	0.15	0.00
6/15/2016	0.00	0.15	0.00	0.15	0.00
6/16/2016	0.00	0.15	0.00	0.15	0.00
6/17/2016	0.00	0.15	0.00	0.15	0.00
6/18/2016	0.00	0.15	0.00	0.15	0.00
6/19/2016	0.00	0.15	0.00	0.15	0.00
6/20/2016	0.00	0.15	0.00	0.15	0.00
6/21/2016	0.00	0.15	0.00	0.15	0.00
6/22/2016	0.02	0.15	0.00	0.15	0.00
6/23/2016	0.00	0.15	0.00	0.15	0.00
6/24/2016	0.00	0.15	0.00	0.15	0.00
6/25/2016	0.00	0.15	0.00	0.15	0.00
6/26/2016	0.00	0.15	0.00	0.15	0.00
6/27/2016	0.00	0.15	0.00	0.15	0.00
6/28/2016	0.48	0.15	0.00	0.15	0.08
6/29/2016	1.61	0.15	0.00	0.15	0.35
6/30/2016	0.00	0.15	0.00	0.15	0.00
7/1/2016	0.00	0.18	0.00	0.18	0.00
7/2/2016	1.39	0.18	0.00	0.18	0.46
7/3/2016	0.00	0.18	0.00	0.18	0.00
7/4/2016	0.00	0.18	0.00	0.18	0.00
7/5/2016	0.21	0.18	0.00	0.18	0.01
7/6/2016	0.00	0.18	0.00	0.18	0.00
7/7/2016	0.85	0.18	0.00	0.18	0.26
7/8/2016	1.18	0.18	0.00	0.18	0.38
7/9/2016	0.00	0.18	0.00	0.18	0.00
7/10/2016	0.16	0.18	0.00	0.18	0.00
7/11/2016	0.00	0.18	0.00	0.18	0.00
7/12/2016	0.00	0.18	0.00	0.18	0.00
7/13/2016	0.00	0.18	0.00	0.18	0.00
7/14/2016	0.00	0.18	0.00	0.18	0.00
7/15/2016	0.00	0.18	0.00	0.18	0.00
7/16/2016	0.00	0.18	0.00	0.18	0.00
7/17/2016	0.00	0.18	0.00	0.18	0.00
7/18/2016	0.00	0.18	0.00	0.18	0.00
7/19/2016	0.26	0.18	0.00	0.18	0.03
7/20/2016	0.00	0.18	0.00	0.18	0.00
7/21/2016	0.00	0.18	0.00	0.18	0.00
7/22/2016	0.00	0.18	0.00	0.18	0.00
7/23/2016	0.00	0.18	0.00	0.18	0.00
7/24/2016	0.00	0.18	0.00	0.18	0.00
7/25/2016	0.00	0.18	0.00	0.18	0.00
7/26/2016	0.75	0.18	0.00	0.18	0.22
7/27/2016	0.00	0.18	0.00	0.18	0.00
7/28/2016	0.00	0.18	0.00	0.18	0.00
7/29/2016	0.47	0.18	0.00	0.18	0.11
7/30/2016	0.07	0.18	0.00	0.18	0.00
7/31/2016	6.05	0.18	0.01	0.18	2.24
8/1/2016	2.45	0.15	0.02	0.15	1.23
8/2/2016	0.23	0.15	0.02	0.15	0.03
8/3/2016	0.00	0.15	0.02	0.15	0.00
8/4/2016	0.00	0.15	0.02	0.15	0.00
8/5/2016	0.00	0.15	0.02	0.15	0.00
8/6/2016	0.02	0.15	0.02	0.15	0.00
8/7/2016	0.09	0.15	0.02	0.15	0.00
8/8/2016	0.00	0.15	0.02	0.15	0.00
8/9/2016	0.00	0.15	0.02	0.15	0.00
8/10/2016	0.00	0.15	0.02	0.15	0.00
8/11/2016	0.23	0.15	0.02	0.15	0.03
8/12/2016	0.45	0.15	0.02	0.15	0.15
8/13/2016	0.00	0.15	0.02	0.15	0.00
8/14/2016	0.16	0.15	0.02	0.15	0.00
8/15/2016	0.18	0.15	0.02	0.15	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
8/16/2016	0.00	0.15	0.01	0.15	0.00
8/17/2016	0.09	0.15	0.01	0.15	0.00
8/18/2016	0.05	0.15	0.01	0.15	0.00
8/19/2016	0.00	0.15	0.00	0.15	0.00
8/20/2016	0.00	0.15	0.00	0.15	0.00
8/21/2016	0.00	0.15	0.00	0.15	0.00
8/22/2016	0.69	0.15	0.00	0.15	0.29
8/23/2016	0.00	0.15	0.00	0.15	0.00
8/24/2016	0.00	0.15	0.00	0.15	0.00
8/25/2016	0.00	0.15	0.00	0.15	0.00
8/26/2016	0.02	0.15	0.00	0.15	0.00
8/27/2016	0.00	0.15	0.00	0.15	0.00
8/28/2016	0.00	0.15	0.00	0.15	0.00
8/29/2016	0.00	0.15	0.00	0.15	0.00
8/30/2016	0.00	0.15	0.00	0.15	0.00
8/31/2016	0.00	0.15	0.00	0.15	0.00
9/1/2016	0.08	0.09	0.00	0.09	0.00
9/2/2016	0.03	0.09	0.00	0.09	0.00
9/3/2016	0.00	0.09	0.00	0.09	0.00
9/4/2016	0.00	0.09	0.00	0.09	0.00
9/5/2016	0.00	0.09	0.00	0.09	0.00
9/6/2016	0.00	0.09	0.00	0.09	0.00
9/7/2016	0.00	0.09	0.00	0.09	0.00
9/8/2016	0.00	0.09	0.00	0.09	0.00
9/9/2016	0.00	0.09	0.00	0.09	0.00
9/10/2016	0.00	0.09	0.00	0.09	0.00
9/11/2016	0.14	0.09	0.00	0.09	0.01
9/12/2016	0.00	0.09	0.00	0.09	0.00
9/13/2016	0.00	0.09	0.00	0.09	0.00
9/14/2016	0.00	0.09	0.00	0.09	0.00
9/15/2016	0.00	0.09	0.00	0.09	0.00
9/16/2016	0.00	0.09	0.00	0.09	0.00
9/17/2016	0.00	0.09	0.00	0.09	0.00
9/18/2016	0.00	0.09	0.00	0.09	0.00
9/19/2016	1.38	0.09	0.00	0.09	0.40
9/20/2016	0.09	0.09	0.00	0.09	0.00
9/21/2016	0.00	0.09	0.00	0.09	0.00
9/22/2016	0.00	0.09	0.00	0.09	0.00
9/23/2016	0.00	0.09	0.00	0.09	0.00
9/24/2016	0.04	0.09	0.00	0.09	0.00
9/25/2016	0.00	0.09	0.00	0.09	0.00
9/26/2016	0.00	0.09	0.00	0.09	0.00
9/27/2016	0.43	0.09	0.00	0.09	0.10
9/28/2016	0.00	0.09	0.00	0.09	0.00
9/29/2016	0.00	0.09	0.00	0.09	0.00
9/30/2016	0.00	0.09	0.00	0.09	0.00
10/1/2016	0.24	0.05	0.00	0.05	0.05
10/2/2016	0.03	0.05	0.00	0.05	0.00
10/3/2016	0.02	0.05	0.00	0.05	0.00
10/4/2016	0.00	0.05	0.00	0.05	0.00
10/5/2016	0.00	0.05	0.00	0.05	0.00
10/6/2016	0.00	0.05	0.00	0.05	0.00
10/7/2016	0.00	0.05	0.00	0.05	0.00
10/8/2016	0.00	0.05	0.00	0.05	0.00
10/9/2016	0.00	0.05	0.00	0.05	0.00
10/10/2016	0.03	0.05	0.00	0.05	0.00
10/11/2016	0.00	0.05	0.00	0.05	0.00
10/12/2016	0.00	0.05	0.00	0.05	0.00
10/13/2016	0.00	0.05	0.00	0.05	0.00
10/14/2016	0.01	0.05	0.00	0.05	0.00
10/15/2016	0.00	0.05	0.00	0.05	0.00
10/16/2016	0.00	0.05	0.00	0.05	0.00
10/17/2016	0.00	0.05	0.00	0.05	0.00
10/18/2016	0.00	0.05	0.00	0.05	0.00
10/19/2016	0.00	0.05	0.00	0.05	0.00
10/20/2016	0.00	0.05	0.00	0.05	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/21/2016	0.00	0.05	0.00	0.05	0.00
10/22/2016	0.79	0.05	0.00	0.05	0.18
10/23/2016	0.30	0.05	0.00	0.05	0.06
10/24/2016	0.16	0.05	0.00	0.05	0.03
10/25/2016	0.02	0.05	0.00	0.05	0.00
10/26/2016	0.00	0.05	0.00	0.05	0.00
10/27/2016	0.00	0.05	0.00	0.05	0.00
10/28/2016	0.92	0.05	0.01	0.05	0.21
10/29/2016	0.00	0.05	0.01	0.05	0.00
10/30/2016	0.00	0.05	0.01	0.05	0.00
10/31/2016	0.45	0.05	0.01	0.05	0.09
11/1/2016	0.00	0.03	0.01	0.03	0.00
11/2/2016	0.00	0.03	0.01	0.03	0.00
11/3/2016	0.00	0.03	0.00	0.03	0.00
11/4/2016	0.02	0.03	0.00	0.03	0.00
11/5/2016	0.00	0.03	0.00	0.03	0.00
11/6/2016	0.00	0.03	0.00	0.03	0.00
11/7/2016	0.00	0.03	0.00	0.03	0.00
11/8/2016	0.00	0.03	0.00	0.03	0.00
11/9/2016	0.00	0.03	0.00	0.03	0.00
11/10/2016	0.04	0.03	0.00	0.03	0.00
11/11/2016	0.00	0.03	0.00	0.03	0.00
11/12/2016	0.00	0.03	0.00	0.03	0.00
11/13/2016	0.00	0.03	0.00	0.03	0.00
11/14/2016	0.00	0.03	0.00	0.03	0.00
11/15/2016	0.00	0.03	0.00	0.03	0.00
11/16/2016	2.01	0.03	0.01	0.03	0.52
11/17/2016	0.00	0.03	0.01	0.03	0.00
11/18/2016	0.00	0.03	0.01	0.03	0.00
11/19/2016	0.00	0.03	0.01	0.03	0.00
11/20/2016	0.84	0.03	0.01	0.03	0.21
11/21/2016	0.00	0.03	0.01	0.03	0.00
11/22/2016	0.00	0.03	0.01	0.03	0.00
11/23/2016	0.00	0.03	0.01	0.03	0.00
11/24/2016	0.00	0.03	0.01	0.03	0.00
11/25/2016	0.11	0.03	0.01	0.03	0.02
11/26/2016	0.00	0.03	0.01	0.03	0.00
11/27/2016	0.00	0.03	0.01	0.03	0.00
11/28/2016	0.00	0.03	0.01	0.03	0.00
11/29/2016	0.00	0.03	0.01	0.03	0.00
11/30/2016	1.00	0.03	0.02	0.03	0.25
12/1/2016	1.21	0.02	0.02	0.02	0.77
12/2/2016	0.00	0.02	0.02	0.02	0.00
12/3/2016	0.00	0.02	0.02	0.02	0.00
12/4/2016	0.00	0.02	0.02	0.02	0.00
12/5/2016	0.14	0.02	0.02	0.02	0.07
12/6/2016	0.00	0.02	0.02	0.02	0.00
12/7/2016	0.32	0.02	0.02	0.02	0.18
12/8/2016	0.00	0.02	0.02	0.02	0.00
12/9/2016	0.00	0.02	0.02	0.02	0.00
12/10/2016	0.00	0.02	0.02	0.02	0.00
12/11/2016	0.00	0.02	0.02	0.02	0.00
12/12/2016	0.35	0.02	0.03	0.02	0.20
12/13/2016	0.13	0.02	0.03	0.02	0.06
12/14/2016	0.00	0.02	0.03	0.02	0.00
12/15/2016	0.00	0.02	0.03	0.02	0.00
12/16/2016	0.00	0.02	0.03	0.02	0.00
12/17/2016	0.14	0.02	0.03	0.02	0.07
12/18/2016	0.60	0.02	0.03	0.02	0.36
12/19/2016	0.00	0.02	0.03	0.02	0.00
12/20/2016	0.00	0.02	0.03	0.02	0.00
12/21/2016	0.00	0.02	0.03	0.02	0.00
12/22/2016	0.00	0.02	0.03	0.02	0.00
12/23/2016	0.00	0.02	0.03	0.02	0.00
12/24/2016	0.26	0.02	0.03	0.02	0.14
12/25/2016	0.33	0.02	0.03	0.02	0.18

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/26/2016	0.00	0.02	0.03	0.02	0.00
12/27/2016	0.03	0.02	0.03	0.02	0.00
12/28/2016	0.00	0.02	0.03	0.02	0.00
12/29/2016	0.00	0.02	0.03	0.02	0.00
12/30/2016	0.34	0.02	0.03	0.02	0.19
12/31/2016	0.02	0.02	0.03	0.02	0.00
1/1/2017	0.00	0.02	0.03	0.02	0.00
1/2/2017	0.00	0.02	0.03	0.02	0.00
1/3/2017	0.04	0.02	0.03	0.02	0.00
1/4/2017	0.59	0.02	0.04	0.02	0.45
1/5/2017	0.00	0.02	0.04	0.02	0.00
1/6/2017	0.02	0.02	0.04	0.02	0.00
1/7/2017	0.00	0.02	0.04	0.02	0.00
1/8/2017	0.19	0.02	0.04	0.02	0.11
1/9/2017	0.00	0.02	0.04	0.02	0.00
1/10/2017	0.00	0.02	0.04	0.02	0.00
1/11/2017	0.20	0.02	0.04	0.02	0.12
1/12/2017	0.30	0.02	0.04	0.02	0.20
1/13/2017	0.04	0.02	0.04	0.02	0.00
1/14/2017	0.00	0.02	0.04	0.02	0.00
1/15/2017	0.02	0.02	0.04	0.02	0.00
1/16/2017	0.00	0.02	0.04	0.02	0.00
1/17/2017	0.00	0.02	0.04	0.02	0.00
1/18/2017	0.36	0.02	0.04	0.02	0.25
1/19/2017	0.04	0.02	0.04	0.02	0.00
1/20/2017	0.00	0.02	0.04	0.02	0.00
1/21/2017	0.07	0.02	0.04	0.02	0.01
1/22/2017	0.00	0.02	0.04	0.02	0.00
1/23/2017	0.00	0.02	0.04	0.02	0.00
1/24/2017	1.58	0.02	0.04	0.02	1.29
1/25/2017	0.43	0.02	0.04	0.02	0.31
1/26/2017	0.00	0.02	0.04	0.02	0.00
1/27/2017	0.00	0.02	0.04	0.02	0.00
1/28/2017	0.00	0.02	0.05	0.02	0.00
1/29/2017	0.00	0.02	0.05	0.02	0.00
1/30/2017	0.00	0.02	0.05	0.02	0.00
1/31/2017	0.00	0.02	0.05	0.02	0.00
2/1/2017	0.09	0.02	0.05	0.02	0.02
2/2/2017	0.02	0.02	0.05	0.02	0.00
2/3/2017	0.00	0.02	0.04	0.02	0.00
2/4/2017	0.00	0.02	0.04	0.02	0.00
2/5/2017	0.00	0.02	0.04	0.02	0.00
2/6/2017	0.00	0.02	0.04	0.02	0.00
2/7/2017	0.00	0.02	0.04	0.02	0.00
2/8/2017	0.24	0.02	0.04	0.02	0.13
2/9/2017	0.23	0.02	0.04	0.02	0.12
2/10/2017	0.50	0.02	0.04	0.02	0.33
2/11/2017	0.02	0.02	0.04	0.02	0.00
2/12/2017	0.00	0.02	0.04	0.02	0.00
2/13/2017	0.64	0.02	0.04	0.02	0.43
2/14/2017	0.00	0.02	0.04	0.02	0.00
2/15/2017	0.00	0.02	0.04	0.02	0.00
2/16/2017	0.00	0.02	0.04	0.02	0.00
2/17/2017	0.00	0.02	0.04	0.02	0.00
2/18/2017	0.00	0.02	0.04	0.02	0.00
2/19/2017	0.00	0.02	0.04	0.02	0.00
2/20/2017	0.00	0.02	0.04	0.02	0.00
2/21/2017	0.00	0.02	0.04	0.02	0.00
2/22/2017	0.02	0.02	0.04	0.02	0.00
2/23/2017	0.00	0.02	0.04	0.02	0.00
2/24/2017	0.00	0.02	0.04	0.02	0.00
2/25/2017	0.00	0.02	0.04	0.02	0.00
2/26/2017	0.67	0.02	0.04	0.02	0.45
2/27/2017	0.00	0.02	0.04	0.02	0.00
2/28/2017	0.00	0.02	0.04	0.02	0.00
3/1/2017	0.00	0.03	0.04	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/2/2017	0.23	0.03	0.04	0.03	0.11
3/3/2017	0.00	0.03	0.04	0.03	0.00
3/4/2017	0.00	0.03	0.04	0.03	0.00
3/5/2017	0.00	0.03	0.04	0.03	0.00
3/6/2017	0.00	0.03	0.04	0.03	0.00
3/7/2017	0.04	0.03	0.04	0.03	0.00
3/8/2017	0.04	0.03	0.04	0.03	0.00
3/9/2017	0.00	0.03	0.04	0.03	0.00
3/10/2017	0.07	0.03	0.04	0.03	0.00
3/11/2017	0.22	0.03	0.04	0.03	0.10
3/12/2017	0.00	0.03	0.04	0.03	0.00
3/13/2017	0.00	0.03	0.04	0.03	0.00
3/14/2017	0.50	0.03	0.04	0.03	0.31
3/15/2017	1.07	0.03	0.03	0.03	0.70
3/16/2017	0.00	0.03	0.03	0.03	0.00
3/17/2017	0.00	0.03	0.03	0.03	0.00
3/18/2017	0.00	0.03	0.03	0.03	0.00
3/19/2017	0.02	0.03	0.03	0.03	0.00
3/20/2017	0.00	0.03	0.03	0.03	0.00
3/21/2017	0.00	0.03	0.03	0.03	0.00
3/22/2017	0.00	0.03	0.03	0.03	0.00
3/23/2017	0.00	0.03	0.03	0.03	0.00
3/24/2017	0.00	0.03	0.03	0.03	0.00
3/25/2017	0.01	0.03	0.03	0.03	0.00
3/26/2017	0.01	0.03	0.03	0.03	0.00
3/27/2017	0.08	0.03	0.04	0.03	0.01
3/28/2017	0.38	0.03	0.04	0.03	0.22
3/29/2017	0.55	0.03	0.04	0.03	0.33
3/30/2017	0.00	0.03	0.04	0.03	0.00
3/31/2017	0.08	0.03	0.05	0.03	0.00
4/1/2017	1.06	0.07	0.05	0.07	0.56
4/2/2017	0.08	0.07	0.06	0.07	0.00
4/3/2017	0.00	0.07	0.06	0.07	0.00
4/4/2017	0.50	0.07	0.06	0.07	0.22
4/5/2017	0.07	0.07	0.07	0.07	0.00
4/6/2017	0.03	0.07	0.07	0.07	0.00
4/7/2017	0.54	0.07	0.07	0.07	0.24
4/8/2017	0.03	0.07	0.07	0.07	0.00
4/9/2017	0.00	0.07	0.08	0.07	0.00
4/10/2017	0.00	0.07	0.08	0.07	0.00
4/11/2017	0.00	0.07	0.08	0.07	0.00
4/12/2017	0.00	0.07	0.08	0.07	0.00
4/13/2017	0.00	0.07	0.08	0.07	0.00
4/14/2017	0.00	0.07	0.08	0.07	0.00
4/15/2017	0.00	0.07	0.08	0.07	0.00
4/16/2017	0.00	0.07	0.08	0.07	0.00
4/17/2017	0.16	0.07	0.08	0.07	0.01
4/18/2017	0.00	0.07	0.07	0.07	0.00
4/19/2017	0.00	0.07	0.07	0.07	0.00
4/20/2017	0.17	0.07	0.07	0.07	0.02
4/21/2017	0.54	0.07	0.07	0.07	0.24
4/22/2017	0.08	0.07	0.07	0.07	0.00
4/23/2017	0.03	0.07	0.07	0.07	0.00
4/24/2017	0.00	0.07	0.07	0.07	0.00
4/25/2017	0.08	0.07	0.07	0.07	0.00
4/26/2017	0.25	0.07	0.07	0.07	0.06
4/27/2017	0.03	0.07	0.07	0.07	0.00
4/28/2017	0.02	0.07	0.07	0.07	0.00
4/29/2017	0.00	0.07	0.07	0.07	0.00
4/30/2017	0.00	0.07	0.07	0.07	0.00
5/1/2017	0.02	0.10	0.07	0.10	0.00
5/2/2017	0.08	0.10	0.06	0.10	0.00
5/3/2017	0.00	0.10	0.06	0.10	0.00
5/4/2017	0.00	0.10	0.06	0.10	0.00
5/5/2017	0.06	0.10	0.06	0.10	0.00
5/6/2017	1.90	0.10	0.07	0.10	0.83

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/7/2017	0.28	0.10	0.07	0.10	0.05
5/8/2017	0.23	0.10	0.07	0.10	0.03
5/9/2017	0.00	0.10	0.07	0.10	0.00
5/10/2017	0.00	0.10	0.07	0.10	0.00
5/11/2017	0.00	0.10	0.07	0.10	0.00
5/12/2017	0.00	0.10	0.06	0.10	0.00
5/13/2017	0.08	0.10	0.06	0.10	0.00
5/14/2017	1.52	0.10	0.07	0.10	0.64
5/15/2017	0.18	0.10	0.07	0.10	0.01
5/16/2017	0.00	0.10	0.07	0.10	0.00
5/17/2017	0.00	0.10	0.07	0.10	0.00
5/18/2017	0.00	0.10	0.07	0.10	0.00
5/19/2017	0.00	0.10	0.07	0.10	0.00
5/20/2017	0.04	0.10	0.07	0.10	0.00
5/21/2017	0.00	0.10	0.06	0.10	0.00
5/22/2017	0.00	0.10	0.06	0.10	0.00
5/23/2017	0.12	0.10	0.06	0.10	0.00
5/24/2017	0.00	0.10	0.05	0.10	0.00
5/25/2017	0.02	0.10	0.05	0.10	0.00
5/26/2017	0.47	0.10	0.05	0.10	0.15
5/27/2017	0.09	0.10	0.04	0.10	0.00
5/28/2017	0.00	0.10	0.04	0.10	0.00
5/29/2017	0.00	0.10	0.04	0.10	0.00
5/30/2017	0.34	0.10	0.04	0.10	0.09
5/31/2017	0.03	0.10	0.04	0.10	0.00
6/1/2017	0.44	0.15	0.04	0.15	0.07
6/2/2017	0.00	0.15	0.04	0.15	0.00
6/3/2017	0.00	0.15	0.03	0.15	0.00
6/4/2017	0.00	0.15	0.03	0.15	0.00
6/5/2017	0.35	0.15	0.03	0.15	0.04
6/6/2017	0.23	0.15	0.03	0.15	0.01
6/7/2017	0.10	0.15	0.03	0.15	0.00
6/8/2017	0.00	0.15	0.03	0.15	0.00
6/9/2017	0.00	0.15	0.03	0.15	0.00
6/10/2017	0.00	0.15	0.02	0.15	0.00
6/11/2017	0.00	0.15	0.02	0.15	0.00
6/12/2017	0.00	0.15	0.02	0.15	0.00
6/13/2017	0.00	0.15	0.02	0.15	0.00
6/14/2017	0.11	0.15	0.02	0.15	0.00
6/15/2017	0.00	0.15	0.02	0.15	0.00
6/16/2017	0.00	0.15	0.01	0.15	0.00
6/17/2017	0.07	0.15	0.01	0.15	0.00
6/18/2017	0.00	0.15	0.01	0.15	0.00
6/19/2017	0.10	0.15	0.01	0.15	0.00
6/20/2017	0.64	0.15	0.02	0.15	0.13
6/21/2017	0.00	0.15	0.02	0.15	0.00
6/22/2017	0.00	0.15	0.02	0.15	0.00
6/23/2017	0.00	0.15	0.02	0.15	0.00
6/24/2017	0.37	0.15	0.02	0.15	0.05
6/25/2017	0.02	0.15	0.02	0.15	0.00
6/26/2017	0.02	0.15	0.02	0.15	0.00
6/27/2017	0.01	0.15	0.01	0.15	0.00
6/28/2017	0.00	0.15	0.01	0.15	0.00
6/29/2017	0.00	0.15	0.01	0.15	0.00
6/30/2017	0.00	0.15	0.01	0.15	0.00
7/1/2017	0.86	0.16	0.01	0.16	0.17
7/2/2017	0.41	0.16	0.01	0.16	0.06
7/3/2017	0.00	0.16	0.01	0.16	0.00
7/4/2017	0.00	0.16	0.01	0.16	0.00
7/5/2017	0.00	0.16	0.01	0.16	0.00
7/6/2017	0.00	0.16	0.01	0.16	0.00
7/7/2017	0.04	0.16	0.01	0.16	0.00
7/8/2017	0.55	0.16	0.01	0.16	0.09
7/9/2017	0.56	0.16	0.01	0.16	0.09
7/10/2017	0.00	0.16	0.01	0.16	0.00
7/11/2017	0.09	0.16	0.01	0.16	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/12/2017	0.00	0.16	0.01	0.16	0.00
7/13/2017	0.31	0.16	0.01	0.16	0.03
7/14/2017	0.09	0.16	0.01	0.16	0.00
7/15/2017	0.35	0.16	0.01	0.16	0.04
7/16/2017	0.00	0.16	0.01	0.16	0.00
7/17/2017	0.00	0.16	0.00	0.16	0.00
7/18/2017	0.06	0.16	0.00	0.16	0.00
7/19/2017	0.00	0.16	0.00	0.16	0.00
7/20/2017	0.00	0.16	0.00	0.16	0.00
7/21/2017	0.41	0.16	0.00	0.16	0.06
7/22/2017	0.02	0.16	0.00	0.16	0.00
7/23/2017	0.01	0.16	0.00	0.16	0.00
7/24/2017	0.09	0.16	0.00	0.16	0.00
7/25/2017	0.65	0.16	0.00	0.16	0.12
7/26/2017	0.02	0.16	0.00	0.16	0.00
7/27/2017	0.00	0.16	0.00	0.16	0.00
7/28/2017	0.01	0.16	0.00	0.16	0.00
7/29/2017	0.00	0.16	0.00	0.16	0.00
7/30/2017	0.00	0.16	0.00	0.16	0.00
7/31/2017	0.00	0.16	0.00	0.16	0.00
8/1/2017	0.00	0.13	0.00	0.13	0.00
8/2/2017	0.00	0.13	0.00	0.13	0.00
8/3/2017	0.14	0.13	0.00	0.13	0.00
8/4/2017	0.00	0.13	0.00	0.13	0.00
8/5/2017	0.19	0.13	0.00	0.13	0.01
8/6/2017	0.00	0.13	0.00	0.13	0.00
8/7/2017	0.00	0.13	0.00	0.13	0.00
8/8/2017	0.24	0.13	0.00	0.13	0.02
8/9/2017	0.01	0.13	0.00	0.13	0.00
8/10/2017	0.00	0.13	0.00	0.13	0.00
8/11/2017	0.00	0.13	0.00	0.13	0.00
8/12/2017	1.58	0.13	0.00	0.13	0.33
8/13/2017	0.00	0.13	0.00	0.13	0.00
8/14/2017	0.00	0.13	0.00	0.13	0.00
8/15/2017	0.08	0.13	0.00	0.13	0.00
8/16/2017	0.00	0.13	0.00	0.13	0.00
8/17/2017	0.00	0.13	0.00	0.13	0.00
8/18/2017	0.00	0.13	0.00	0.13	0.00
8/19/2017	0.59	0.13	0.00	0.13	0.10
8/20/2017	0.00	0.13	0.00	0.13	0.00
8/21/2017	0.00	0.13	0.00	0.13	0.00
8/22/2017	0.00	0.13	0.00	0.13	0.00
8/23/2017	0.53	0.13	0.00	0.13	0.09
8/24/2017	0.00	0.13	0.00	0.13	0.00
8/25/2017	0.00	0.13	0.00	0.13	0.00
8/26/2017	0.00	0.13	0.00	0.13	0.00
8/27/2017	0.00	0.13	0.00	0.13	0.00
8/28/2017	0.00	0.13	0.00	0.13	0.00
8/29/2017	0.00	0.13	0.00	0.13	0.00
8/30/2017	0.02	0.13	0.00	0.13	0.00
8/31/2017	0.00	0.13	0.00	0.13	0.00
9/1/2017	0.02	0.09	0.00	0.09	0.00
9/2/2017	0.00	0.09	0.00	0.09	0.00
9/3/2017	0.74	0.09	0.00	0.09	0.14
9/4/2017	0.19	0.09	0.00	0.09	0.02
9/5/2017	0.00	0.09	0.00	0.09	0.00
9/6/2017	0.11	0.09	0.01	0.09	0.00
9/7/2017	0.76	0.09	0.01	0.09	0.15
9/8/2017	0.03	0.09	0.01	0.09	0.00
9/9/2017	0.02	0.09	0.01	0.09	0.00
9/10/2017	0.00	0.09	0.00	0.09	0.00
9/11/2017	0.00	0.09	0.00	0.09	0.00
9/12/2017	0.00	0.09	0.00	0.09	0.00
9/13/2017	0.00	0.09	0.01	0.09	0.00
9/14/2017	0.00	0.09	0.00	0.09	0.00
9/15/2017	0.25	0.09	0.00	0.09	0.03

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/16/2017	0.00	0.09	0.00	0.09	0.00
9/17/2017	0.00	0.09	0.00	0.09	0.00
9/18/2017	0.00	0.09	0.00	0.09	0.00
9/19/2017	0.00	0.09	0.00	0.09	0.00
9/20/2017	0.02	0.09	0.00	0.09	0.00
9/21/2017	0.00	0.09	0.00	0.09	0.00
9/22/2017	0.00	0.09	0.00	0.09	0.00
9/23/2017	0.00	0.09	0.00	0.09	0.00
9/24/2017	0.00	0.09	0.00	0.09	0.00
9/25/2017	0.00	0.09	0.00	0.09	0.00
9/26/2017	0.00	0.09	0.00	0.09	0.00
9/27/2017	0.00	0.09	0.00	0.09	0.00
9/28/2017	0.00	0.09	0.00	0.09	0.00
9/29/2017	0.00	0.09	0.00	0.09	0.00
9/30/2017	0.01	0.09	0.00	0.09	0.00
10/1/2017	0.16	0.06	0.00	0.06	0.02
10/2/2017	0.00	0.06	0.00	0.06	0.00
10/3/2017	0.00	0.06	0.00	0.06	0.00
10/4/2017	0.00	0.06	0.00	0.06	0.00
10/5/2017	0.00	0.06	0.00	0.06	0.00
10/6/2017	0.00	0.06	0.00	0.06	0.00
10/7/2017	0.00	0.06	0.00	0.06	0.00
10/8/2017	0.00	0.06	0.00	0.06	0.00
10/9/2017	0.63	0.06	0.00	0.06	0.12
10/10/2017	0.08	0.06	0.00	0.06	0.00
10/11/2017	0.00	0.06	0.00	0.06	0.00
10/12/2017	0.12	0.06	0.00	0.06	0.01
10/13/2017	0.00	0.06	0.00	0.06	0.00
10/14/2017	0.00	0.06	0.00	0.06	0.00
10/15/2017	0.00	0.06	0.00	0.06	0.00
10/16/2017	0.14	0.06	0.00	0.06	0.02
10/17/2017	0.00	0.06	0.00	0.06	0.00
10/18/2017	0.00	0.06	0.00	0.06	0.00
10/19/2017	0.00	0.06	0.00	0.06	0.00
10/20/2017	0.00	0.06	0.00	0.06	0.00
10/21/2017	0.00	0.06	0.00	0.06	0.00
10/22/2017	0.00	0.06	0.00	0.06	0.00
10/23/2017	0.00	0.06	0.00	0.06	0.00
10/24/2017	0.02	0.06	0.00	0.06	0.00
10/25/2017	0.23	0.06	0.00	0.06	0.04
10/26/2017	0.00	0.06	0.00	0.06	0.00
10/27/2017	0.00	0.06	0.00	0.06	0.00
10/28/2017	0.00	0.06	0.00	0.06	0.00
10/29/2017	0.08	0.06	0.00	0.06	0.00
10/30/2017	3.21	0.06	0.01	0.06	0.66
10/31/2017	0.08	0.06	0.01	0.06	0.00
11/1/2017	0.00	0.02	0.01	0.02	0.00
11/2/2017	0.03	0.02	0.01	0.02	0.00
11/3/2017	0.00	0.02	0.01	0.02	0.00
11/4/2017	0.00	0.02	0.01	0.02	0.00
11/5/2017	0.02	0.02	0.01	0.02	0.00
11/6/2017	0.06	0.02	0.01	0.02	0.01
11/7/2017	0.09	0.02	0.01	0.02	0.01
11/8/2017	0.18	0.02	0.01	0.02	0.03
11/9/2017	0.00	0.02	0.01	0.02	0.00
11/10/2017	0.00	0.02	0.01	0.02	0.00
11/11/2017	0.00	0.02	0.01	0.02	0.00
11/12/2017	0.00	0.02	0.01	0.02	0.00
11/13/2017	0.00	0.02	0.01	0.02	0.00
11/14/2017	0.04	0.02	0.01	0.02	0.00
11/15/2017	0.00	0.02	0.01	0.02	0.00
11/16/2017	0.08	0.02	0.01	0.02	0.01
11/17/2017	0.07	0.02	0.01	0.02	0.01
11/18/2017	0.00	0.02	0.01	0.02	0.00
11/19/2017	0.36	0.02	0.01	0.02	0.07
11/20/2017	0.00	0.02	0.01	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/21/2017	0.00	0.02	0.01	0.02	0.00
11/22/2017	0.00	0.02	0.01	0.02	0.00
11/23/2017	0.04	0.02	0.01	0.02	0.00
11/24/2017	0.00	0.02	0.01	0.02	0.00
11/25/2017	0.00	0.02	0.01	0.02	0.00
11/26/2017	0.00	0.02	0.01	0.02	0.00
11/27/2017	0.00	0.02	0.01	0.02	0.00
11/28/2017	0.00	0.02	0.01	0.02	0.00
11/29/2017	0.00	0.02	0.01	0.02	0.00
11/30/2017	0.00	0.02	0.01	0.02	0.00
12/1/2017	0.13	0.01	0.01	0.01	0.00
12/2/2017	0.00	0.01	0.01	0.01	0.00
12/3/2017	0.00	0.01	0.01	0.01	0.00
12/4/2017	0.00	0.01	0.01	0.01	0.00
12/5/2017	0.00	0.01	0.01	0.01	0.00
12/6/2017	0.35	0.01	0.01	0.01	0.00
12/7/2017	0.00	0.01	0.01	0.01	0.00
12/8/2017	0.00	0.01	0.01	0.01	0.00
12/9/2017	0.00	0.01	0.01	0.01	0.00
12/10/2017	0.32	0.01	0.01	0.01	0.00
12/11/2017	0.00	0.01	0.01	0.01	0.00
12/12/2017	0.00	0.01	0.01	0.01	0.00
12/13/2017	0.21	0.01	0.01	0.01	0.00
12/14/2017	0.07	0.01	0.01	0.01	0.00
12/15/2017	0.00	0.01	0.01	0.01	0.00
12/16/2017	0.02	0.01	0.01	0.01	0.00
12/17/2017	0.00	0.01	0.01	0.01	0.00
12/18/2017	0.00	0.01	0.01	0.01	0.00
12/19/2017	0.00	0.01	0.01	0.01	0.00
12/20/2017	0.00	0.01	0.01	0.01	0.00
12/21/2017	0.00	0.01	0.01	0.01	0.00
12/22/2017	0.00	0.01	0.01	0.01	0.00
12/23/2017	0.11	0.01	0.01	0.01	0.00
12/24/2017	0.54	0.01	0.01	0.01	0.00
12/25/2017	0.30	0.01	0.01	0.01	0.00
12/26/2017	0.00	0.01	0.01	0.01	0.00
12/27/2017	0.00	0.01	0.01	0.01	0.00
12/28/2017	0.00	0.01	0.01	0.01	0.00
12/29/2017	0.00	0.01	0.01	0.01	0.00
12/30/2017	0.01	0.01	0.02	0.01	0.00
12/31/2017	0.03	0.01	0.02	0.01	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/1/2015	0.00	0.01	0.03	0.01	0.00
1/2/2015	0.00	0.01	0.03	0.01	0.00
1/3/2015	0.00	0.01	0.03	0.01	0.00
1/4/2015	0.73	0.01	0.03	0.01	0.11
1/5/2015	0.00	0.01	0.03	0.01	0.00
1/6/2015	0.00	0.01	0.03	0.01	0.00
1/7/2015	0.01	0.01	0.03	0.01	0.00
1/8/2015	0.00	0.01	0.03	0.01	0.00
1/9/2015	0.01	0.01	0.03	0.01	0.00
1/10/2015	0.04	0.01	0.03	0.01	0.00
1/11/2015	0.00	0.01	0.03	0.01	0.00
1/12/2015	0.00	0.01	0.03	0.01	0.00
1/13/2015	0.64	0.01	0.03	0.01	0.10
1/14/2015	0.00	0.01	0.02	0.01	0.00
1/15/2015	0.00	0.01	0.02	0.01	0.00
1/16/2015	0.00	0.01	0.02	0.01	0.00
1/17/2015	0.00	0.01	0.02	0.01	0.00
1/18/2015	0.00	0.01	0.02	0.01	0.00
1/19/2015	1.35	0.01	0.03	0.01	0.21
1/20/2015	0.00	0.01	0.03	0.01	0.00
1/21/2015	0.00	0.01	0.03	0.01	0.00
1/22/2015	0.01	0.01	0.03	0.01	0.00
1/23/2015	0.00	0.01	0.03	0.01	0.00
1/24/2015	0.53	0.01	0.03	0.01	0.08
1/25/2015	0.06	0.01	0.03	0.01	0.00
1/26/2015	0.00	0.01	0.03	0.01	0.00
1/27/2015	0.25	0.01	0.03	0.01	0.03
1/28/2015	0.04	0.01	0.03	0.01	0.00
1/29/2015	0.00	0.01	0.03	0.01	0.00
1/30/2015	0.18	0.01	0.03	0.01	0.02
1/31/2015	0.05	0.01	0.03	0.01	0.00
2/1/2015	0.00	0.01	0.03	0.01	0.00
2/2/2015	0.61	0.01	0.03	0.01	0.06
2/3/2015	0.06	0.01	0.03	0.01	0.00
2/4/2015	0.00	0.01	0.02	0.01	0.00
2/5/2015	0.01	0.01	0.02	0.01	0.00
2/6/2015	0.10	0.01	0.02	0.01	0.01
2/7/2015	0.00	0.01	0.02	0.01	0.00
2/8/2015	0.00	0.01	0.02	0.01	0.00
2/9/2015	0.39	0.01	0.02	0.01	0.04
2/10/2015	0.39	0.01	0.01	0.01	0.04
2/11/2015	0.00	0.01	0.01	0.01	0.00
2/12/2015	0.00	0.01	0.01	0.01	0.00
2/13/2015	0.02	0.01	0.01	0.01	0.00
2/14/2015	0.00	0.01	0.01	0.01	0.00
2/15/2015	0.10	0.01	0.01	0.01	0.01
2/16/2015	0.00	0.01	0.01	0.01	0.00
2/17/2015	0.00	0.01	0.01	0.01	0.00
2/18/2015	0.00	0.01	0.01	0.01	0.00
2/19/2015	0.00	0.01	0.01	0.01	0.00
2/20/2015	0.00	0.01	0.00	0.01	0.00
2/21/2015	0.00	0.01	0.00	0.01	0.00
2/22/2015	0.30	0.01	0.00	0.01	0.03
2/23/2015	0.00	0.01	0.00	0.01	0.00
2/24/2015	0.00	0.01	0.00	0.01	0.00
2/25/2015	0.00	0.01	0.00	0.01	0.00
2/26/2015	0.00	0.01	0.00	0.01	0.00
2/27/2015	0.04	0.01	0.00	0.01	0.00
2/28/2015	0.00	0.01	0.00	0.01	0.00
3/1/2015	0.00	0.03	0.00	0.03	0.00
3/2/2015	0.53	0.03	0.00	0.03	0.34
3/3/2015	0.00	0.03	0.00	0.03	0.00
3/4/2015	0.73	0.03	0.00	0.03	0.47

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/5/2015	0.06	0.03	0.00	0.03	0.02
3/6/2015	0.04	0.03	0.00	0.03	0.01
3/7/2015	0.00	0.03	0.00	0.03	0.00
3/8/2015	0.00	0.03	0.00	0.03	0.00
3/9/2015	0.00	0.03	0.00	0.03	0.00
3/10/2015	0.00	0.03	0.01	0.03	0.00
3/11/2015	0.18	0.03	0.01	0.03	0.10
3/12/2015	0.00	0.03	0.01	0.03	0.00
3/13/2015	0.00	0.03	0.01	0.03	0.00
3/14/2015	0.16	0.03	0.01	0.03	0.09
3/15/2015	0.35	0.03	0.01	0.03	0.21
3/16/2015	0.00	0.03	0.01	0.03	0.00
3/17/2015	0.03	0.03	0.01	0.03	0.00
3/18/2015	0.03	0.03	0.02	0.03	0.00
3/19/2015	0.00	0.03	0.02	0.03	0.00
3/20/2015	0.00	0.03	0.02	0.03	0.00
3/21/2015	0.22	0.03	0.02	0.03	0.12
3/22/2015	0.00	0.03	0.02	0.03	0.00
3/23/2015	0.00	0.03	0.02	0.03	0.00
3/24/2015	0.00	0.03	0.02	0.03	0.00
3/25/2015	0.00	0.03	0.02	0.03	0.00
3/26/2015	0.09	0.03	0.03	0.03	0.03
3/27/2015	0.33	0.03	0.03	0.03	0.18
3/28/2015	0.02	0.03	0.03	0.03	0.00
3/29/2015	0.06	0.03	0.03	0.03	0.00
3/30/2015	0.01	0.03	0.03	0.03	0.00
3/31/2015	0.01	0.03	0.04	0.03	0.00
4/1/2015	0.15	0.06	0.04	0.06	0.04
4/2/2015	0.00	0.06	0.04	0.06	0.00
4/3/2015	0.01	0.06	0.04	0.06	0.00
4/4/2015	0.57	0.06	0.04	0.06	0.39
4/5/2015	0.00	0.06	0.05	0.06	0.00
4/6/2015	0.00	0.06	0.05	0.06	0.00
4/7/2015	0.00	0.06	0.05	0.06	0.00
4/8/2015	0.16	0.06	0.05	0.06	0.04
4/9/2015	0.19	0.06	0.05	0.06	0.06
4/10/2015	0.20	0.06	0.05	0.06	0.07
4/11/2015	0.01	0.06	0.05	0.06	0.00
4/12/2015	0.00	0.06	0.05	0.06	0.00
4/13/2015	0.00	0.06	0.05	0.06	0.00
4/14/2015	0.09	0.06	0.05	0.06	0.00
4/15/2015	0.09	0.06	0.05	0.06	0.00
4/16/2015	0.00	0.06	0.04	0.06	0.00
4/17/2015	0.13	0.06	0.04	0.06	0.02
4/18/2015	0.03	0.06	0.04	0.06	0.00
4/19/2015	0.00	0.06	0.04	0.06	0.00
4/20/2015	0.06	0.06	0.04	0.06	0.00
4/21/2015	0.79	0.06	0.04	0.06	0.57
4/22/2015	0.01	0.06	0.04	0.06	0.00
4/23/2015	0.12	0.06	0.04	0.06	0.02
4/24/2015	0.00	0.06	0.04	0.06	0.00
4/25/2015	0.00	0.06	0.04	0.06	0.00
4/26/2015	0.00	0.06	0.04	0.06	0.00
4/27/2015	0.00	0.06	0.04	0.06	0.00
4/28/2015	0.00	0.06	0.04	0.06	0.00
4/29/2015	0.00	0.06	0.04	0.06	0.00
4/30/2015	0.00	0.06	0.04	0.06	0.00
5/1/2015	0.00	0.12	0.04	0.12	0.00
5/2/2015	0.00	0.12	0.04	0.12	0.00
5/3/2015	0.00	0.12	0.04	0.12	0.00
5/4/2015	0.00	0.12	0.03	0.12	0.00
5/5/2015	0.00	0.12	0.03	0.12	0.00
5/6/2015	0.00	0.12	0.03	0.12	0.00
5/7/2015	0.01	0.12	0.03	0.12	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/8/2015	0.00	0.12	0.02	0.12	0.00
5/9/2015	0.00	0.12	0.02	0.12	0.00
5/10/2015	0.00	0.12	0.02	0.12	0.00
5/11/2015	0.00	0.12	0.02	0.12	0.00
5/12/2015	0.00	0.12	0.02	0.12	0.00
5/13/2015	0.00	0.12	0.01	0.12	0.00
5/14/2015	0.00	0.12	0.01	0.12	0.00
5/15/2015	0.00	0.12	0.01	0.12	0.00
5/16/2015	0.34	0.12	0.01	0.12	0.08
5/17/2015	0.74	0.12	0.01	0.12	0.24
5/18/2015	0.00	0.12	0.01	0.12	0.00
5/19/2015	0.15	0.12	0.01	0.12	0.01
5/20/2015	0.43	0.12	0.01	0.12	0.12
5/21/2015	0.00	0.12	0.01	0.12	0.00
5/22/2015	0.00	0.12	0.01	0.12	0.00
5/23/2015	0.00	0.12	0.00	0.12	0.00
5/24/2015	0.00	0.12	0.00	0.12	0.00
5/25/2015	0.00	0.12	0.00	0.12	0.00
5/26/2015	0.00	0.12	0.00	0.12	0.00
5/27/2015	0.00	0.12	0.00	0.12	0.00
5/28/2015	0.69	0.12	0.00	0.12	0.22
5/29/2015	0.06	0.12	0.00	0.12	0.00
5/30/2015	0.00	0.12	0.00	0.12	0.00
5/31/2015	0.08	0.12	0.00	0.12	0.00
6/1/2015	0.94	0.14	0.00	0.14	0.22
6/2/2015	0.73	0.14	0.01	0.14	0.16
6/3/2015	0.19	0.14	0.01	0.14	0.01
6/4/2015	0.00	0.14	0.01	0.14	0.00
6/5/2015	0.00	0.14	0.01	0.14	0.00
6/6/2015	0.03	0.14	0.01	0.14	0.00
6/7/2015	0.00	0.14	0.01	0.14	0.00
6/8/2015	0.00	0.14	0.01	0.14	0.00
6/9/2015	0.26	0.14	0.01	0.14	0.03
6/10/2015	0.05	0.14	0.01	0.14	0.00
6/11/2015	0.00	0.14	0.01	0.14	0.00
6/12/2015	0.01	0.14	0.01	0.14	0.00
6/13/2015	0.03	0.14	0.01	0.14	0.00
6/14/2015	0.00	0.14	0.01	0.14	0.00
6/15/2015	0.19	0.14	0.01	0.14	0.01
6/16/2015	0.04	0.14	0.01	0.14	0.00
6/17/2015	0.05	0.14	0.01	0.14	0.00
6/18/2015	0.00	0.14	0.00	0.14	0.00
6/19/2015	0.03	0.14	0.00	0.14	0.00
6/20/2015	0.12	0.14	0.00	0.14	0.00
6/21/2015	0.68	0.14	0.00	0.14	0.15
6/22/2015	0.56	0.14	0.01	0.14	0.12
6/23/2015	0.07	0.14	0.01	0.14	0.00
6/24/2015	0.09	0.14	0.01	0.14	0.00
6/25/2015	0.00	0.14	0.01	0.14	0.00
6/26/2015	0.00	0.14	0.00	0.14	0.00
6/27/2015	0.00	0.14	0.00	0.14	0.00
6/28/2015	0.87	0.14	0.01	0.14	0.20
6/29/2015	0.11	0.14	0.01	0.14	0.00
6/30/2015	0.00	0.14	0.01	0.14	0.00
7/1/2015	0.82	0.17	0.01	0.17	0.17
7/2/2015	0.01	0.17	0.01	0.17	0.00
7/3/2015	0.00	0.17	0.01	0.17	0.00
7/4/2015	0.00	0.17	0.01	0.17	0.00
7/5/2015	0.08	0.17	0.01	0.17	0.00
7/6/2015	0.00	0.17	0.01	0.17	0.00
7/7/2015	0.00	0.17	0.01	0.17	0.00
7/8/2015	0.34	0.17	0.01	0.17	0.04
7/9/2015	0.00	0.17	0.01	0.17	0.00
7/10/2015	0.12	0.17	0.01	0.17	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/11/2015	0.00	0.17	0.01	0.17	0.00
7/12/2015	0.00	0.17	0.00	0.17	0.00
7/13/2015	0.00	0.17	0.00	0.17	0.00
7/14/2015	0.00	0.17	0.00	0.17	0.00
7/15/2015	0.00	0.17	0.00	0.17	0.00
7/16/2015	0.00	0.17	0.00	0.17	0.00
7/17/2015	0.00	0.17	0.00	0.17	0.00
7/18/2015	0.00	0.17	0.00	0.17	0.00
7/19/2015	0.05	0.17	0.00	0.17	0.00
7/20/2015	0.00	0.17	0.00	0.17	0.00
7/21/2015	0.00	0.17	0.00	0.17	0.00
7/22/2015	0.23	0.17	0.00	0.17	0.02
7/23/2015	0.00	0.17	0.00	0.17	0.00
7/24/2015	0.00	0.17	0.00	0.17	0.00
7/25/2015	0.00	0.17	0.00	0.17	0.00
7/26/2015	0.30	0.17	0.00	0.17	0.03
7/27/2015	0.69	0.17	0.00	0.17	0.14
7/28/2015	0.00	0.17	0.00	0.17	0.00
7/29/2015	0.00	0.17	0.00	0.17	0.00
7/30/2015	0.00	0.17	0.00	0.17	0.00
7/31/2015	0.20	0.17	0.00	0.17	0.01
8/1/2015	0.00	0.15	0.00	0.15	0.00
8/2/2015	0.00	0.15	0.00	0.15	0.00
8/3/2015	0.00	0.15	0.00	0.15	0.00
8/4/2015	0.05	0.15	0.00	0.15	0.00
8/5/2015	0.00	0.15	0.00	0.15	0.00
8/6/2015	0.00	0.15	0.00	0.15	0.00
8/7/2015	0.00	0.15	0.00	0.15	0.00
8/8/2015	0.00	0.15	0.00	0.15	0.00
8/9/2015	0.00	0.15	0.00	0.15	0.00
8/10/2015	0.00	0.15	0.00	0.15	0.00
8/11/2015	0.22	0.15	0.00	0.15	0.02
8/12/2015	0.80	0.15	0.00	0.15	0.14
8/13/2015	0.00	0.15	0.00	0.15	0.00
8/14/2015	0.00	0.15	0.00	0.15	0.00
8/15/2015	0.00	0.15	0.00	0.15	0.00
8/16/2015	0.00	0.15	0.00	0.15	0.00
8/17/2015	0.00	0.15	0.00	0.15	0.00
8/18/2015	0.00	0.15	0.00	0.15	0.00
8/19/2015	0.00	0.15	0.00	0.15	0.00
8/20/2015	0.00	0.15	0.00	0.15	0.00
8/21/2015	1.95	0.15	0.00	0.15	0.40
8/22/2015	0.02	0.15	0.00	0.15	0.00
8/23/2015	0.00	0.15	0.00	0.15	0.00
8/24/2015	0.00	0.15	0.00	0.15	0.00
8/25/2015	0.04	0.15	0.00	0.15	0.00
8/26/2015	0.00	0.15	0.00	0.15	0.00
8/27/2015	0.00	0.15	0.00	0.15	0.00
8/28/2015	0.00	0.15	0.00	0.15	0.00
8/29/2015	0.00	0.15	0.00	0.15	0.00
8/30/2015	0.00	0.15	0.00	0.15	0.00
8/31/2015	0.00	0.15	0.00	0.15	0.00
9/1/2015	0.00	0.10	0.00	0.10	0.00
9/2/2015	0.00	0.10	0.00	0.10	0.00
9/3/2015	0.00	0.10	0.00	0.10	0.00
9/4/2015	0.00	0.10	0.00	0.10	0.00
9/5/2015	0.00	0.10	0.00	0.10	0.00
9/6/2015	0.00	0.10	0.00	0.10	0.00
9/7/2015	0.00	0.10	0.00	0.10	0.00
9/8/2015	0.00	0.10	0.00	0.10	0.00
9/9/2015	0.00	0.10	0.00	0.10	0.00
9/10/2015	0.04	0.10	0.00	0.10	0.00
9/11/2015	0.76	0.10	0.00	0.10	0.14
9/12/2015	0.01	0.10	0.00	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
9/13/2015	0.98	0.10	0.00	0.10	0.19
9/14/2015	0.00	0.10	0.00	0.10	0.00
9/15/2015	0.00	0.10	0.00	0.10	0.00
9/16/2015	0.00	0.10	0.00	0.10	0.00
9/17/2015	0.00	0.10	0.00	0.10	0.00
9/18/2015	0.00	0.10	0.00	0.10	0.00
9/19/2015	0.00	0.10	0.00	0.10	0.00
9/20/2015	0.01	0.10	0.00	0.10	0.00
9/21/2015	0.00	0.10	0.00	0.10	0.00
9/22/2015	0.00	0.10	0.00	0.10	0.00
9/23/2015	0.00	0.10	0.00	0.10	0.00
9/24/2015	0.00	0.10	0.00	0.10	0.00
9/25/2015	0.00	0.10	0.00	0.10	0.00
9/26/2015	0.00	0.10	0.00	0.10	0.00
9/27/2015	0.00	0.10	0.00	0.10	0.00
9/28/2015	0.00	0.10	0.00	0.10	0.00
9/29/2015	0.00	0.10	0.00	0.10	0.00
9/30/2015	1.47	0.10	0.00	0.10	0.29
10/1/2015	0.24	0.04	0.00	0.04	0.04
10/2/2015	0.03	0.04	0.00	0.04	0.00
10/3/2015	0.35	0.04	0.00	0.04	0.06
10/4/2015	0.12	0.04	0.00	0.04	0.02
10/5/2015	0.00	0.04	0.00	0.04	0.00
10/6/2015	0.00	0.04	0.00	0.04	0.00
10/7/2015	0.00	0.04	0.00	0.04	0.00
10/8/2015	0.00	0.04	0.00	0.04	0.00
10/9/2015	0.33	0.04	0.00	0.04	0.06
10/10/2015	0.00	0.04	0.00	0.04	0.00
10/11/2015	0.00	0.04	0.00	0.04	0.00
10/12/2015	0.00	0.04	0.00	0.04	0.00
10/13/2015	0.01	0.04	0.00	0.04	0.00
10/14/2015	0.00	0.04	0.00	0.04	0.00
10/15/2015	0.00	0.04	0.00	0.04	0.00
10/16/2015	0.03	0.04	0.00	0.04	0.00
10/17/2015	0.00	0.04	0.00	0.04	0.00
10/18/2015	0.00	0.04	0.00	0.04	0.00
10/19/2015	0.00	0.04	0.00	0.04	0.00
10/20/2015	0.00	0.04	0.00	0.04	0.00
10/21/2015	0.00	0.04	0.00	0.04	0.00
10/22/2015	0.00	0.04	0.00	0.04	0.00
10/23/2015	0.00	0.04	0.00	0.04	0.00
10/24/2015	0.00	0.04	0.00	0.04	0.00
10/25/2015	0.24	0.04	0.00	0.04	0.04
10/26/2015	0.00	0.04	0.00	0.04	0.00
10/27/2015	0.00	0.04	0.00	0.04	0.00
10/28/2015	0.00	0.04	0.00	0.04	0.00
10/29/2015	2.05	0.04	0.00	0.04	0.42
10/30/2015	0.00	0.04	0.00	0.04	0.00
10/31/2015	0.00	0.04	0.00	0.04	0.00
11/1/2015	0.00	0.03	0.00	0.03	0.00
11/2/2015	0.00	0.03	0.00	0.03	0.00
11/3/2015	0.00	0.03	0.00	0.03	0.00
11/4/2015	0.00	0.03	0.00	0.03	0.00
11/5/2015	0.00	0.03	0.00	0.03	0.00
11/6/2015	0.00	0.03	0.00	0.03	0.00
11/7/2015	0.00	0.03	0.00	0.03	0.00
11/8/2015	0.00	0.03	0.00	0.03	0.00
11/9/2015	0.00	0.03	0.00	0.03	0.00
11/10/2015	0.00	0.03	0.00	0.03	0.00
11/11/2015	0.46	0.03	0.00	0.03	0.09
11/12/2015	0.22	0.03	0.00	0.03	0.04
11/13/2015	0.19	0.03	0.00	0.03	0.03
11/14/2015	0.00	0.03	0.00	0.03	0.00
11/15/2015	0.00	0.03	0.00	0.03	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
11/16/2015	0.00	0.03	0.00	0.03	0.00
11/17/2015	0.00	0.03	0.00	0.03	0.00
11/18/2015	0.00	0.03	0.00	0.03	0.00
11/19/2015	0.00	0.03	0.00	0.03	0.00
11/20/2015	0.79	0.03	0.01	0.03	0.16
11/21/2015	0.00	0.03	0.01	0.03	0.00
11/22/2015	0.05	0.03	0.01	0.03	0.00
11/23/2015	0.00	0.03	0.01	0.03	0.00
11/24/2015	0.00	0.03	0.01	0.03	0.00
11/25/2015	0.00	0.03	0.01	0.03	0.00
11/26/2015	0.00	0.03	0.01	0.03	0.00
11/27/2015	0.00	0.03	0.01	0.03	0.00
11/28/2015	0.00	0.03	0.01	0.03	0.00
11/29/2015	0.03	0.03	0.01	0.03	0.00
11/30/2015	0.00	0.03	0.01	0.03	0.00
12/1/2015	0.00	0.02	0.01	0.02	0.00
12/2/2015	0.35	0.02	0.01	0.02	0.08
12/3/2015	0.57	0.02	0.01	0.02	0.13
12/4/2015	0.01	0.02	0.01	0.02	0.00
12/5/2015	0.00	0.02	0.01	0.02	0.00
12/6/2015	0.00	0.02	0.01	0.02	0.00
12/7/2015	0.00	0.02	0.01	0.02	0.00
12/8/2015	0.00	0.02	0.01	0.02	0.00
12/9/2015	0.00	0.02	0.01	0.02	0.00
12/10/2015	0.00	0.02	0.01	0.02	0.00
12/11/2015	0.00	0.02	0.01	0.02	0.00
12/12/2015	0.00	0.02	0.01	0.02	0.00
12/13/2015	0.00	0.02	0.01	0.02	0.00
12/14/2015	0.00	0.02	0.01	0.02	0.00
12/15/2015	0.29	0.02	0.01	0.02	0.06
12/16/2015	0.01	0.02	0.01	0.02	0.00
12/17/2015	0.06	0.02	0.01	0.02	0.01
12/18/2015	0.59	0.02	0.01	0.02	0.13
12/19/2015	0.02	0.02	0.01	0.02	0.00
12/20/2015	0.00	0.02	0.01	0.02	0.00
12/21/2015	0.00	0.02	0.01	0.02	0.00
12/22/2015	0.04	0.02	0.01	0.02	0.00
12/23/2015	0.17	0.02	0.01	0.02	0.03
12/24/2015	0.85	0.02	0.01	0.02	0.19
12/25/2015	0.01	0.02	0.02	0.02	0.00
12/26/2015	0.00	0.02	0.02	0.02	0.00
12/27/2015	0.17	0.02	0.02	0.02	0.03
12/28/2015	0.06	0.02	0.02	0.02	0.00
12/29/2015	0.58	0.02	0.02	0.02	0.13
12/30/2015	0.17	0.02	0.02	0.02	0.03
12/31/2015	0.29	0.02	0.02	0.02	0.06
1/1/2016	0.00	0.02	0.03	0.02	0.00
1/2/2016	0.00	0.02	0.03	0.02	0.00
1/3/2016	0.00	0.02	0.03	0.02	0.00
1/4/2016	0.01	0.02	0.03	0.02	0.00
1/5/2016	0.00	0.02	0.03	0.02	0.00
1/6/2016	0.00	0.02	0.03	0.02	0.00
1/7/2016	0.00	0.02	0.03	0.02	0.00
1/8/2016	0.00	0.02	0.03	0.02	0.00
1/9/2016	0.00	0.02	0.03	0.02	0.00
1/10/2016	0.39	0.02	0.03	0.02	0.01
1/11/2016	0.95	0.02	0.03	0.02	0.01
1/12/2016	0.00	0.02	0.03	0.02	0.00
1/13/2016	0.03	0.02	0.03	0.02	0.00
1/14/2016	0.01	0.02	0.03	0.02	0.00
1/15/2016	0.00	0.02	0.03	0.02	0.00
1/16/2016	0.22	0.02	0.03	0.02	0.00
1/17/2016	0.15	0.02	0.04	0.02	0.00
1/18/2016	0.01	0.02	0.04	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
1/19/2016	0.00	0.02	0.04	0.02	0.00
1/20/2016	0.00	0.02	0.03	0.02	0.00
1/21/2016	0.00	0.02	0.03	0.02	0.00
1/22/2016	0.00	0.02	0.03	0.02	0.00
1/23/2016	0.00	0.02	0.03	0.02	0.00
1/24/2016	0.25	0.02	0.03	0.02	0.00
1/25/2016	0.00	0.02	0.03	0.02	0.00
1/26/2016	0.00	0.02	0.03	0.02	0.00
1/27/2016	0.00	0.02	0.03	0.02	0.00
1/28/2016	0.00	0.02	0.03	0.02	0.00
1/29/2016	0.00	0.02	0.03	0.02	0.00
1/30/2016	0.02	0.02	0.03	0.02	0.00
1/31/2016	0.00	0.02	0.03	0.02	0.00
2/1/2016	0.00	0.02	0.03	0.02	0.00
2/2/2016	0.00	0.02	0.03	0.02	0.00
2/3/2016	0.00	0.02	0.03	0.02	0.00
2/4/2016	0.32	0.02	0.03	0.02	0.20
2/5/2016	0.01	0.02	0.03	0.02	0.00
2/6/2016	0.03	0.02	0.03	0.02	0.00
2/7/2016	0.00	0.02	0.03	0.02	0.00
2/8/2016	0.00	0.02	0.03	0.02	0.00
2/9/2016	0.08	0.02	0.03	0.02	0.02
2/10/2016	0.02	0.02	0.03	0.02	0.00
2/11/2016	0.00	0.02	0.03	0.02	0.00
2/12/2016	0.00	0.02	0.03	0.02	0.00
2/13/2016	0.00	0.02	0.03	0.02	0.00
2/14/2016	0.00	0.02	0.03	0.02	0.00
2/15/2016	0.00	0.02	0.03	0.02	0.00
2/16/2016	0.43	0.02	0.03	0.02	0.28
2/17/2016	1.12	0.02	0.03	0.02	0.79
2/18/2016	0.00	0.02	0.03	0.02	0.00
2/19/2016	0.00	0.02	0.03	0.02	0.00
2/20/2016	0.00	0.02	0.03	0.02	0.00
2/21/2016	0.00	0.02	0.03	0.02	0.00
2/22/2016	0.00	0.02	0.04	0.02	0.00
2/23/2016	0.00	0.02	0.04	0.02	0.00
2/24/2016	0.20	0.02	0.04	0.02	0.11
2/25/2016	2.08	0.02	0.04	0.02	1.49
2/26/2016	0.05	0.02	0.05	0.02	0.00
2/27/2016	0.00	0.02	0.05	0.02	0.00
2/28/2016	0.00	0.02	0.05	0.02	0.00
2/29/2016	0.00	0.02	0.05	0.02	0.00
3/1/2016	0.05	0.04	0.05	0.04	0.00
3/2/2016	0.11	0.04	0.06	0.04	0.01
3/3/2016	0.00	0.04	0.06	0.04	0.00
3/4/2016	0.01	0.04	0.05	0.04	0.00
3/5/2016	0.01	0.04	0.05	0.04	0.00
3/6/2016	0.00	0.04	0.05	0.04	0.00
3/7/2016	0.00	0.04	0.05	0.04	0.00
3/8/2016	0.00	0.04	0.05	0.04	0.00
3/9/2016	0.00	0.04	0.05	0.04	0.00
3/10/2016	0.09	0.04	0.05	0.04	0.00
3/11/2016	0.20	0.04	0.05	0.04	0.10
3/12/2016	0.00	0.04	0.05	0.04	0.00
3/13/2016	0.00	0.04	0.05	0.04	0.00
3/14/2016	0.02	0.04	0.04	0.04	0.00
3/15/2016	0.05	0.04	0.04	0.04	0.00
3/16/2016	0.00	0.04	0.04	0.04	0.00
3/17/2016	0.21	0.04	0.04	0.04	0.12
3/18/2016	0.02	0.04	0.04	0.04	0.00
3/19/2016	0.00	0.04	0.03	0.04	0.00
3/20/2016	0.00	0.04	0.03	0.04	0.00
3/21/2016	0.01	0.04	0.03	0.04	0.00
3/22/2016	0.00	0.04	0.03	0.04	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
3/23/2016	0.00	0.04	0.03	0.04	0.00
3/24/2016	0.00	0.04	0.03	0.04	0.00
3/25/2016	0.00	0.04	0.03	0.04	0.00
3/26/2016	0.01	0.04	0.03	0.04	0.00
3/27/2016	0.00	0.04	0.03	0.04	0.00
3/28/2016	0.01	0.04	0.03	0.04	0.00
3/29/2016	0.35	0.04	0.03	0.04	0.24
3/30/2016	0.00	0.04	0.03	0.04	0.00
3/31/2016	0.00	0.04	0.03	0.04	0.00
4/1/2016	0.00	0.06	0.03	0.06	0.00
4/2/2016	0.01	0.06	0.02	0.06	0.00
4/3/2016	0.35	0.06	0.02	0.06	0.15
4/4/2016	0.02	0.06	0.02	0.06	0.00
4/5/2016	0.23	0.06	0.02	0.06	0.09
4/6/2016	0.00	0.06	0.02	0.06	0.00
4/7/2016	0.00	0.06	0.02	0.06	0.00
4/8/2016	0.39	0.06	0.02	0.06	0.18
4/9/2016	0.00	0.06	0.02	0.06	0.00
4/10/2016	0.00	0.06	0.02	0.06	0.00
4/11/2016	0.00	0.06	0.02	0.06	0.00
4/12/2016	0.03	0.06	0.02	0.06	0.00
4/13/2016	0.25	0.06	0.02	0.06	0.10
4/14/2016	0.00	0.06	0.02	0.06	0.00
4/15/2016	0.00	0.06	0.02	0.06	0.00
4/16/2016	0.00	0.06	0.02	0.06	0.00
4/17/2016	0.00	0.06	0.02	0.06	0.00
4/18/2016	0.00	0.06	0.02	0.06	0.00
4/19/2016	0.00	0.06	0.02	0.06	0.00
4/20/2016	0.00	0.06	0.02	0.06	0.00
4/21/2016	0.00	0.06	0.02	0.06	0.00
4/22/2016	0.00	0.06	0.02	0.06	0.00
4/23/2016	0.04	0.06	0.02	0.06	0.00
4/24/2016	0.00	0.06	0.02	0.06	0.00
4/25/2016	0.00	0.06	0.02	0.06	0.00
4/26/2016	0.05	0.06	0.02	0.06	0.00
4/27/2016	0.28	0.06	0.02	0.06	0.12
4/28/2016	0.00	0.06	0.02	0.06	0.00
4/29/2016	0.02	0.06	0.02	0.06	0.00
4/30/2016	0.27	0.06	0.02	0.06	0.11
5/1/2016	0.00	0.10	0.02	0.10	0.00
5/2/2016	0.17	0.10	0.02	0.10	0.02
5/3/2016	0.67	0.10	0.02	0.10	0.21
5/4/2016	0.37	0.10	0.02	0.10	0.10
5/5/2016	0.17	0.10	0.02	0.10	0.02
5/6/2016	0.18	0.10	0.02	0.10	0.02
5/7/2016	0.40	0.10	0.02	0.10	0.10
5/8/2016	0.14	0.10	0.02	0.10	0.01
5/9/2016	0.05	0.10	0.02	0.10	0.00
5/10/2016	0.00	0.10	0.02	0.10	0.00
5/11/2016	0.00	0.10	0.03	0.10	0.00
5/12/2016	0.00	0.10	0.03	0.10	0.00
5/13/2016	0.00	0.10	0.03	0.10	0.00
5/14/2016	0.29	0.10	0.03	0.10	0.06
5/15/2016	0.49	0.10	0.03	0.10	0.14
5/16/2016	0.00	0.10	0.03	0.10	0.00
5/17/2016	0.00	0.10	0.03	0.10	0.00
5/18/2016	0.00	0.10	0.03	0.10	0.00
5/19/2016	0.00	0.10	0.03	0.10	0.00
5/20/2016	0.00	0.10	0.03	0.10	0.00
5/21/2016	0.00	0.10	0.03	0.10	0.00
5/22/2016	0.09	0.10	0.03	0.10	0.00
5/23/2016	0.00	0.10	0.03	0.10	0.00
5/24/2016	0.18	0.10	0.02	0.10	0.02
5/25/2016	0.08	0.10	0.02	0.10	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
5/26/2016	0.00	0.10	0.02	0.10	0.00
5/27/2016	0.00	0.10	0.02	0.10	0.00
5/28/2016	0.63	0.10	0.02	0.10	0.19
5/29/2016	0.00	0.10	0.02	0.10	0.00
5/30/2016	0.22	0.10	0.02	0.10	0.04
5/31/2016	0.08	0.10	0.02	0.10	0.00
6/1/2016	0.00	0.15	0.02	0.15	0.00
6/2/2016	0.00	0.15	0.01	0.15	0.00
6/3/2016	0.37	0.15	0.01	0.15	0.05
6/4/2016	0.08	0.15	0.01	0.15	0.00
6/5/2016	0.22	0.15	0.01	0.15	0.01
6/6/2016	0.72	0.15	0.01	0.15	0.13
6/7/2016	0.00	0.15	0.01	0.15	0.00
6/8/2016	0.49	0.15	0.01	0.15	0.08
6/9/2016	0.09	0.15	0.01	0.15	0.00
6/10/2016	0.00	0.15	0.01	0.15	0.00
6/11/2016	0.00	0.15	0.01	0.15	0.00
6/12/2016	0.04	0.15	0.01	0.15	0.00
6/13/2016	0.00	0.15	0.01	0.15	0.00
6/14/2016	0.00	0.15	0.01	0.15	0.00
6/15/2016	0.00	0.15	0.00	0.15	0.00
6/16/2016	0.00	0.15	0.00	0.15	0.00
6/17/2016	0.00	0.15	0.00	0.15	0.00
6/18/2016	0.00	0.15	0.00	0.15	0.00
6/19/2016	0.00	0.15	0.00	0.15	0.00
6/20/2016	0.00	0.15	0.00	0.15	0.00
6/21/2016	0.00	0.15	0.00	0.15	0.00
6/22/2016	0.02	0.15	0.00	0.15	0.00
6/23/2016	0.00	0.15	0.00	0.15	0.00
6/24/2016	0.00	0.15	0.00	0.15	0.00
6/25/2016	0.00	0.15	0.00	0.15	0.00
6/26/2016	0.00	0.15	0.00	0.15	0.00
6/27/2016	0.00	0.15	0.00	0.15	0.00
6/28/2016	0.47	0.15	0.00	0.15	0.08
6/29/2016	1.57	0.15	0.00	0.15	0.34
6/30/2016	0.00	0.15	0.00	0.15	0.00
7/1/2016	0.00	0.18	0.00	0.18	0.00
7/2/2016	1.40	0.18	0.00	0.18	0.46
7/3/2016	0.00	0.18	0.00	0.18	0.00
7/4/2016	0.00	0.18	0.00	0.18	0.00
7/5/2016	0.21	0.18	0.00	0.18	0.01
7/6/2016	0.00	0.18	0.00	0.18	0.00
7/7/2016	0.86	0.18	0.00	0.18	0.26
7/8/2016	1.19	0.18	0.00	0.18	0.38
7/9/2016	0.00	0.18	0.00	0.18	0.00
7/10/2016	0.16	0.18	0.00	0.18	0.00
7/11/2016	0.00	0.18	0.00	0.18	0.00
7/12/2016	0.00	0.18	0.00	0.18	0.00
7/13/2016	0.00	0.18	0.00	0.18	0.00
7/14/2016	0.00	0.18	0.00	0.18	0.00
7/15/2016	0.00	0.18	0.00	0.18	0.00
7/16/2016	0.00	0.18	0.00	0.18	0.00
7/17/2016	0.00	0.18	0.00	0.18	0.00
7/18/2016	0.00	0.18	0.00	0.18	0.00
7/19/2016	0.26	0.18	0.00	0.18	0.03
7/20/2016	0.00	0.18	0.00	0.18	0.00
7/21/2016	0.00	0.18	0.00	0.18	0.00
7/22/2016	0.00	0.18	0.00	0.18	0.00
7/23/2016	0.00	0.18	0.00	0.18	0.00
7/24/2016	0.00	0.18	0.00	0.18	0.00
7/25/2016	0.00	0.18	0.00	0.18	0.00
7/26/2016	0.75	0.18	0.00	0.18	0.22
7/27/2016	0.00	0.18	0.00	0.18	0.00
7/28/2016	0.00	0.18	0.00	0.18	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
7/29/2016	0.47	0.18	0.00	0.18	0.11
7/30/2016	0.07	0.18	0.00	0.18	0.00
7/31/2016	6.08	0.18	0.01	0.18	2.25
8/1/2016	2.45	0.15	0.02	0.15	1.23
8/2/2016	0.23	0.15	0.02	0.15	0.03
8/3/2016	0.00	0.15	0.02	0.15	0.00
8/4/2016	0.00	0.15	0.02	0.15	0.00
8/5/2016	0.00	0.15	0.02	0.15	0.00
8/6/2016	0.02	0.15	0.02	0.15	0.00
8/7/2016	0.09	0.15	0.02	0.15	0.00
8/8/2016	0.00	0.15	0.02	0.15	0.00
8/9/2016	0.00	0.15	0.02	0.15	0.00
8/10/2016	0.00	0.15	0.02	0.15	0.00
8/11/2016	0.23	0.15	0.02	0.15	0.03
8/12/2016	0.45	0.15	0.02	0.15	0.15
8/13/2016	0.00	0.15	0.02	0.15	0.00
8/14/2016	0.16	0.15	0.02	0.15	0.00
8/15/2016	0.18	0.15	0.02	0.15	0.00
8/16/2016	0.00	0.15	0.01	0.15	0.00
8/17/2016	0.09	0.15	0.01	0.15	0.00
8/18/2016	0.05	0.15	0.01	0.15	0.00
8/19/2016	0.00	0.15	0.00	0.15	0.00
8/20/2016	0.00	0.15	0.00	0.15	0.00
8/21/2016	0.00	0.15	0.00	0.15	0.00
8/22/2016	0.70	0.15	0.00	0.15	0.29
8/23/2016	0.00	0.15	0.00	0.15	0.00
8/24/2016	0.00	0.15	0.00	0.15	0.00
8/25/2016	0.00	0.15	0.00	0.15	0.00
8/26/2016	0.02	0.15	0.00	0.15	0.00
8/27/2016	0.00	0.15	0.00	0.15	0.00
8/28/2016	0.00	0.15	0.00	0.15	0.00
8/29/2016	0.00	0.15	0.00	0.15	0.00
8/30/2016	0.00	0.15	0.00	0.15	0.00
8/31/2016	0.00	0.15	0.00	0.15	0.00
9/1/2016	0.08	0.09	0.00	0.09	0.00
9/2/2016	0.03	0.09	0.00	0.09	0.00
9/3/2016	0.00	0.09	0.00	0.09	0.00
9/4/2016	0.00	0.09	0.00	0.09	0.00
9/5/2016	0.00	0.09	0.00	0.09	0.00
9/6/2016	0.00	0.09	0.00	0.09	0.00
9/7/2016	0.00	0.09	0.00	0.09	0.00
9/8/2016	0.00	0.09	0.00	0.09	0.00
9/9/2016	0.00	0.09	0.00	0.09	0.00
9/10/2016	0.00	0.09	0.00	0.09	0.00
9/11/2016	0.14	0.09	0.00	0.09	0.01
9/12/2016	0.00	0.09	0.00	0.09	0.00
9/13/2016	0.00	0.09	0.00	0.09	0.00
9/14/2016	0.00	0.09	0.00	0.09	0.00
9/15/2016	0.00	0.09	0.00	0.09	0.00
9/16/2016	0.00	0.09	0.00	0.09	0.00
9/17/2016	0.00	0.09	0.00	0.09	0.00
9/18/2016	0.00	0.09	0.00	0.09	0.00
9/19/2016	1.36	0.09	0.00	0.09	0.40
9/20/2016	0.09	0.09	0.00	0.09	0.00
9/21/2016	0.00	0.09	0.00	0.09	0.00
9/22/2016	0.00	0.09	0.00	0.09	0.00
9/23/2016	0.00	0.09	0.00	0.09	0.00
9/24/2016	0.04	0.09	0.00	0.09	0.00
9/25/2016	0.00	0.09	0.00	0.09	0.00
9/26/2016	0.00	0.09	0.00	0.09	0.00
9/27/2016	0.42	0.09	0.00	0.09	0.10
9/28/2016	0.00	0.09	0.00	0.09	0.00
9/29/2016	0.00	0.09	0.00	0.09	0.00
9/30/2016	0.00	0.09	0.00	0.09	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/1/2016	0.24	0.05	0.00	0.05	0.05
10/2/2016	0.03	0.05	0.00	0.05	0.00
10/3/2016	0.02	0.05	0.00	0.05	0.00
10/4/2016	0.00	0.05	0.00	0.05	0.00
10/5/2016	0.00	0.05	0.00	0.05	0.00
10/6/2016	0.00	0.05	0.00	0.05	0.00
10/7/2016	0.00	0.05	0.00	0.05	0.00
10/8/2016	0.00	0.05	0.00	0.05	0.00
10/9/2016	0.00	0.05	0.00	0.05	0.00
10/10/2016	0.03	0.05	0.00	0.05	0.00
10/11/2016	0.00	0.05	0.00	0.05	0.00
10/12/2016	0.00	0.05	0.00	0.05	0.00
10/13/2016	0.00	0.05	0.00	0.05	0.00
10/14/2016	0.01	0.05	0.00	0.05	0.00
10/15/2016	0.00	0.05	0.00	0.05	0.00
10/16/2016	0.00	0.05	0.00	0.05	0.00
10/17/2016	0.00	0.05	0.00	0.05	0.00
10/18/2016	0.00	0.05	0.00	0.05	0.00
10/19/2016	0.00	0.05	0.00	0.05	0.00
10/20/2016	0.00	0.05	0.00	0.05	0.00
10/21/2016	0.00	0.05	0.00	0.05	0.00
10/22/2016	0.79	0.05	0.00	0.05	0.18
10/23/2016	0.30	0.05	0.00	0.05	0.06
10/24/2016	0.16	0.05	0.00	0.05	0.03
10/25/2016	0.02	0.05	0.00	0.05	0.00
10/26/2016	0.00	0.05	0.00	0.05	0.00
10/27/2016	0.00	0.05	0.00	0.05	0.00
10/28/2016	0.93	0.05	0.01	0.05	0.21
10/29/2016	0.00	0.05	0.01	0.05	0.00
10/30/2016	0.00	0.05	0.01	0.05	0.00
10/31/2016	0.45	0.05	0.01	0.05	0.10
11/1/2016	0.00	0.03	0.01	0.03	0.00
11/2/2016	0.00	0.03	0.01	0.03	0.00
11/3/2016	0.00	0.03	0.00	0.03	0.00
11/4/2016	0.02	0.03	0.00	0.03	0.00
11/5/2016	0.00	0.03	0.00	0.03	0.00
11/6/2016	0.00	0.03	0.00	0.03	0.00
11/7/2016	0.00	0.03	0.00	0.03	0.00
11/8/2016	0.00	0.03	0.00	0.03	0.00
11/9/2016	0.00	0.03	0.00	0.03	0.00
11/10/2016	0.04	0.03	0.00	0.03	0.00
11/11/2016	0.00	0.03	0.00	0.03	0.00
11/12/2016	0.00	0.03	0.00	0.03	0.00
11/13/2016	0.00	0.03	0.00	0.03	0.00
11/14/2016	0.00	0.03	0.00	0.03	0.00
11/15/2016	0.00	0.03	0.00	0.03	0.00
11/16/2016	1.98	0.03	0.01	0.03	0.51
11/17/2016	0.00	0.03	0.01	0.03	0.00
11/18/2016	0.00	0.03	0.01	0.03	0.00
11/19/2016	0.00	0.03	0.01	0.03	0.00
11/20/2016	0.83	0.03	0.01	0.03	0.21
11/21/2016	0.00	0.03	0.01	0.03	0.00
11/22/2016	0.00	0.03	0.01	0.03	0.00
11/23/2016	0.00	0.03	0.01	0.03	0.00
11/24/2016	0.00	0.03	0.01	0.03	0.00
11/25/2016	0.11	0.03	0.01	0.03	0.02
11/26/2016	0.00	0.03	0.01	0.03	0.00
11/27/2016	0.00	0.03	0.01	0.03	0.00
11/28/2016	0.00	0.03	0.01	0.03	0.00
11/29/2016	0.00	0.03	0.01	0.03	0.00
11/30/2016	0.99	0.03	0.02	0.03	0.25
12/1/2016	1.19	0.02	0.02	0.02	0.76
12/2/2016	0.00	0.02	0.02	0.02	0.00
12/3/2016	0.00	0.02	0.02	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/4/2016	0.00	0.02	0.02	0.02	0.00
12/5/2016	0.14	0.02	0.02	0.02	0.07
12/6/2016	0.00	0.02	0.02	0.02	0.00
12/7/2016	0.31	0.02	0.02	0.02	0.18
12/8/2016	0.00	0.02	0.02	0.02	0.00
12/9/2016	0.00	0.02	0.02	0.02	0.00
12/10/2016	0.00	0.02	0.02	0.02	0.00
12/11/2016	0.00	0.02	0.02	0.02	0.00
12/12/2016	0.34	0.02	0.03	0.02	0.20
12/13/2016	0.13	0.02	0.03	0.02	0.06
12/14/2016	0.00	0.02	0.03	0.02	0.00
12/15/2016	0.00	0.02	0.03	0.02	0.00
12/16/2016	0.00	0.02	0.03	0.02	0.00
12/17/2016	0.14	0.02	0.03	0.02	0.06
12/18/2016	0.59	0.02	0.03	0.02	0.36
12/19/2016	0.00	0.02	0.03	0.02	0.00
12/20/2016	0.00	0.02	0.03	0.02	0.00
12/21/2016	0.00	0.02	0.03	0.02	0.00
12/22/2016	0.00	0.02	0.03	0.02	0.00
12/23/2016	0.00	0.02	0.03	0.02	0.00
12/24/2016	0.25	0.02	0.03	0.02	0.14
12/25/2016	0.32	0.02	0.03	0.02	0.18
12/26/2016	0.00	0.02	0.03	0.02	0.00
12/27/2016	0.03	0.02	0.03	0.02	0.00
12/28/2016	0.00	0.02	0.03	0.02	0.00
12/29/2016	0.00	0.02	0.03	0.02	0.00
12/30/2016	0.33	0.02	0.03	0.02	0.18
12/31/2016	0.02	0.02	0.03	0.02	0.00
1/1/2017	0.00	0.02	0.03	0.02	0.00
1/2/2017	0.00	0.02	0.03	0.02	0.00
1/3/2017	0.04	0.02	0.03	0.02	0.00
1/4/2017	0.57	0.02	0.04	0.02	0.44
1/5/2017	0.00	0.02	0.04	0.02	0.00
1/6/2017	0.02	0.02	0.04	0.02	0.00
1/7/2017	0.00	0.02	0.04	0.02	0.00
1/8/2017	0.18	0.02	0.04	0.02	0.11
1/9/2017	0.00	0.02	0.04	0.02	0.00
1/10/2017	0.00	0.02	0.04	0.02	0.00
1/11/2017	0.19	0.02	0.04	0.02	0.12
1/12/2017	0.29	0.02	0.04	0.02	0.20
1/13/2017	0.04	0.02	0.04	0.02	0.00
1/14/2017	0.00	0.02	0.04	0.02	0.00
1/15/2017	0.02	0.02	0.04	0.02	0.00
1/16/2017	0.00	0.02	0.04	0.02	0.00
1/17/2017	0.00	0.02	0.04	0.02	0.00
1/18/2017	0.35	0.02	0.04	0.02	0.25
1/19/2017	0.04	0.02	0.04	0.02	0.00
1/20/2017	0.00	0.02	0.04	0.02	0.00
1/21/2017	0.07	0.02	0.04	0.02	0.01
1/22/2017	0.00	0.02	0.04	0.02	0.00
1/23/2017	0.00	0.02	0.04	0.02	0.00
1/24/2017	1.55	0.02	0.04	0.02	1.26
1/25/2017	0.42	0.02	0.04	0.02	0.31
1/26/2017	0.00	0.02	0.04	0.02	0.00
1/27/2017	0.00	0.02	0.04	0.02	0.00
1/28/2017	0.00	0.02	0.05	0.02	0.00
1/29/2017	0.00	0.02	0.05	0.02	0.00
1/30/2017	0.00	0.02	0.05	0.02	0.00
1/31/2017	0.00	0.02	0.05	0.02	0.00
2/1/2017	0.08	0.02	0.05	0.02	0.01
2/2/2017	0.02	0.02	0.05	0.02	0.00
2/3/2017	0.00	0.02	0.04	0.02	0.00
2/4/2017	0.00	0.02	0.04	0.02	0.00
2/5/2017	0.00	0.02	0.04	0.02	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
2/6/2017	0.00	0.02	0.04	0.02	0.00
2/7/2017	0.00	0.02	0.04	0.02	0.00
2/8/2017	0.20	0.02	0.04	0.02	0.10
2/9/2017	0.19	0.02	0.04	0.02	0.10
2/10/2017	0.43	0.02	0.04	0.02	0.27
2/11/2017	0.02	0.02	0.04	0.02	0.00
2/12/2017	0.00	0.02	0.04	0.02	0.00
2/13/2017	0.54	0.02	0.04	0.02	0.36
2/14/2017	0.00	0.02	0.04	0.02	0.00
2/15/2017	0.00	0.02	0.04	0.02	0.00
2/16/2017	0.00	0.02	0.04	0.02	0.00
2/17/2017	0.00	0.02	0.04	0.02	0.00
2/18/2017	0.00	0.02	0.04	0.02	0.00
2/19/2017	0.00	0.02	0.04	0.02	0.00
2/20/2017	0.00	0.02	0.04	0.02	0.00
2/21/2017	0.00	0.02	0.04	0.02	0.00
2/22/2017	0.02	0.02	0.04	0.02	0.00
2/23/2017	0.00	0.02	0.04	0.02	0.00
2/24/2017	0.00	0.02	0.04	0.02	0.00
2/25/2017	0.00	0.02	0.04	0.02	0.00
2/26/2017	0.57	0.02	0.04	0.02	0.38
2/27/2017	0.00	0.02	0.04	0.02	0.00
2/28/2017	0.00	0.02	0.04	0.02	0.00
3/1/2017	0.00	0.03	0.04	0.03	0.00
3/2/2017	0.22	0.03	0.04	0.03	0.11
3/3/2017	0.00	0.03	0.04	0.03	0.00
3/4/2017	0.00	0.03	0.04	0.03	0.00
3/5/2017	0.00	0.03	0.04	0.03	0.00
3/6/2017	0.00	0.03	0.04	0.03	0.00
3/7/2017	0.04	0.03	0.04	0.03	0.00
3/8/2017	0.04	0.03	0.04	0.03	0.00
3/9/2017	0.00	0.03	0.04	0.03	0.00
3/10/2017	0.07	0.03	0.04	0.03	0.00
3/11/2017	0.21	0.03	0.04	0.03	0.10
3/12/2017	0.00	0.03	0.04	0.03	0.00
3/13/2017	0.00	0.03	0.04	0.03	0.00
3/14/2017	0.50	0.03	0.04	0.03	0.30
3/15/2017	1.06	0.03	0.03	0.03	0.69
3/16/2017	0.00	0.03	0.03	0.03	0.00
3/17/2017	0.00	0.03	0.03	0.03	0.00
3/18/2017	0.00	0.03	0.03	0.03	0.00
3/19/2017	0.02	0.03	0.03	0.03	0.00
3/20/2017	0.00	0.03	0.03	0.03	0.00
3/21/2017	0.00	0.03	0.03	0.03	0.00
3/22/2017	0.00	0.03	0.03	0.03	0.00
3/23/2017	0.00	0.03	0.03	0.03	0.00
3/24/2017	0.00	0.03	0.03	0.03	0.00
3/25/2017	0.01	0.03	0.03	0.03	0.00
3/26/2017	0.01	0.03	0.03	0.03	0.00
3/27/2017	0.08	0.03	0.04	0.03	0.01
3/28/2017	0.38	0.03	0.04	0.03	0.22
3/29/2017	0.54	0.03	0.04	0.03	0.33
3/30/2017	0.00	0.03	0.04	0.03	0.00
3/31/2017	0.08	0.03	0.05	0.03	0.00
4/1/2017	1.07	0.07	0.05	0.07	0.57
4/2/2017	0.08	0.07	0.06	0.07	0.00
4/3/2017	0.00	0.07	0.06	0.07	0.00
4/4/2017	0.50	0.07	0.06	0.07	0.22
4/5/2017	0.07	0.07	0.07	0.07	0.00
4/6/2017	0.03	0.07	0.07	0.07	0.00
4/7/2017	0.54	0.07	0.07	0.07	0.24
4/8/2017	0.03	0.07	0.07	0.07	0.00
4/9/2017	0.00	0.07	0.08	0.07	0.00
4/10/2017	0.00	0.07	0.08	0.07	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
4/11/2017	0.00	0.07	0.08	0.07	0.00
4/12/2017	0.00	0.07	0.08	0.07	0.00
4/13/2017	0.00	0.07	0.08	0.07	0.00
4/14/2017	0.00	0.07	0.08	0.07	0.00
4/15/2017	0.00	0.07	0.08	0.07	0.00
4/16/2017	0.00	0.07	0.08	0.07	0.00
4/17/2017	0.16	0.07	0.08	0.07	0.01
4/18/2017	0.00	0.07	0.07	0.07	0.00
4/19/2017	0.00	0.07	0.07	0.07	0.00
4/20/2017	0.17	0.07	0.07	0.07	0.02
4/21/2017	0.54	0.07	0.07	0.07	0.24
4/22/2017	0.08	0.07	0.07	0.07	0.00
4/23/2017	0.03	0.07	0.07	0.07	0.00
4/24/2017	0.00	0.07	0.07	0.07	0.00
4/25/2017	0.08	0.07	0.07	0.07	0.00
4/26/2017	0.25	0.07	0.07	0.07	0.07
4/27/2017	0.03	0.07	0.07	0.07	0.00
4/28/2017	0.02	0.07	0.07	0.07	0.00
4/29/2017	0.00	0.07	0.07	0.07	0.00
4/30/2017	0.00	0.07	0.07	0.07	0.00
5/1/2017	0.02	0.10	0.07	0.10	0.00
5/2/2017	0.08	0.10	0.06	0.10	0.00
5/3/2017	0.00	0.10	0.06	0.10	0.00
5/4/2017	0.00	0.10	0.06	0.10	0.00
5/5/2017	0.06	0.10	0.06	0.10	0.00
5/6/2017	1.94	0.10	0.07	0.10	0.85
5/7/2017	0.28	0.10	0.07	0.10	0.06
5/8/2017	0.23	0.10	0.07	0.10	0.03
5/9/2017	0.00	0.10	0.07	0.10	0.00
5/10/2017	0.00	0.10	0.07	0.10	0.00
5/11/2017	0.00	0.10	0.07	0.10	0.00
5/12/2017	0.00	0.10	0.06	0.10	0.00
5/13/2017	0.08	0.10	0.06	0.10	0.00
5/14/2017	1.55	0.10	0.07	0.10	0.66
5/15/2017	0.18	0.10	0.07	0.10	0.01
5/16/2017	0.00	0.10	0.07	0.10	0.00
5/17/2017	0.00	0.10	0.07	0.10	0.00
5/18/2017	0.00	0.10	0.07	0.10	0.00
5/19/2017	0.00	0.10	0.07	0.10	0.00
5/20/2017	0.04	0.10	0.07	0.10	0.00
5/21/2017	0.00	0.10	0.06	0.10	0.00
5/22/2017	0.00	0.10	0.06	0.10	0.00
5/23/2017	0.12	0.10	0.06	0.10	0.00
5/24/2017	0.00	0.10	0.05	0.10	0.00
5/25/2017	0.02	0.10	0.05	0.10	0.00
5/26/2017	0.48	0.10	0.05	0.10	0.16
5/27/2017	0.09	0.10	0.04	0.10	0.00
5/28/2017	0.00	0.10	0.04	0.10	0.00
5/29/2017	0.00	0.10	0.04	0.10	0.00
5/30/2017	0.34	0.10	0.04	0.10	0.10
5/31/2017	0.03	0.10	0.04	0.10	0.00
6/1/2017	0.43	0.15	0.04	0.15	0.06
6/2/2017	0.00	0.15	0.04	0.15	0.00
6/3/2017	0.00	0.15	0.03	0.15	0.00
6/4/2017	0.00	0.15	0.03	0.15	0.00
6/5/2017	0.34	0.15	0.03	0.15	0.04
6/6/2017	0.22	0.15	0.03	0.15	0.01
6/7/2017	0.10	0.15	0.03	0.15	0.00
6/8/2017	0.00	0.15	0.03	0.15	0.00
6/9/2017	0.00	0.15	0.03	0.15	0.00
6/10/2017	0.00	0.15	0.02	0.15	0.00
6/11/2017	0.00	0.15	0.02	0.15	0.00
6/12/2017	0.00	0.15	0.02	0.15	0.00
6/13/2017	0.00	0.15	0.02	0.15	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
6/14/2017	0.11	0.15	0.02	0.15	0.00
6/15/2017	0.00	0.15	0.02	0.15	0.00
6/16/2017	0.00	0.15	0.01	0.15	0.00
6/17/2017	0.07	0.15	0.01	0.15	0.00
6/18/2017	0.00	0.15	0.01	0.15	0.00
6/19/2017	0.10	0.15	0.01	0.15	0.00
6/20/2017	0.63	0.15	0.02	0.15	0.12
6/21/2017	0.00	0.15	0.02	0.15	0.00
6/22/2017	0.00	0.15	0.02	0.15	0.00
6/23/2017	0.00	0.15	0.02	0.15	0.00
6/24/2017	0.36	0.15	0.02	0.15	0.05
6/25/2017	0.02	0.15	0.02	0.15	0.00
6/26/2017	0.02	0.15	0.02	0.15	0.00
6/27/2017	0.01	0.15	0.01	0.15	0.00
6/28/2017	0.00	0.15	0.01	0.15	0.00
6/29/2017	0.00	0.15	0.01	0.15	0.00
6/30/2017	0.00	0.15	0.01	0.15	0.00
7/1/2017	0.87	0.16	0.01	0.16	0.17
7/2/2017	0.41	0.16	0.01	0.16	0.06
7/3/2017	0.00	0.16	0.01	0.16	0.00
7/4/2017	0.00	0.16	0.01	0.16	0.00
7/5/2017	0.00	0.16	0.01	0.16	0.00
7/6/2017	0.00	0.16	0.01	0.16	0.00
7/7/2017	0.04	0.16	0.01	0.16	0.00
7/8/2017	0.55	0.16	0.01	0.16	0.09
7/9/2017	0.56	0.16	0.01	0.16	0.09
7/10/2017	0.00	0.16	0.01	0.16	0.00
7/11/2017	0.09	0.16	0.01	0.16	0.00
7/12/2017	0.00	0.16	0.01	0.16	0.00
7/13/2017	0.31	0.16	0.01	0.16	0.03
7/14/2017	0.09	0.16	0.01	0.16	0.00
7/15/2017	0.35	0.16	0.01	0.16	0.04
7/16/2017	0.00	0.16	0.01	0.16	0.00
7/17/2017	0.00	0.16	0.00	0.16	0.00
7/18/2017	0.06	0.16	0.00	0.16	0.00
7/19/2017	0.00	0.16	0.00	0.16	0.00
7/20/2017	0.00	0.16	0.00	0.16	0.00
7/21/2017	0.41	0.16	0.00	0.16	0.06
7/22/2017	0.02	0.16	0.00	0.16	0.00
7/23/2017	0.01	0.16	0.00	0.16	0.00
7/24/2017	0.09	0.16	0.00	0.16	0.00
7/25/2017	0.65	0.16	0.00	0.16	0.12
7/26/2017	0.02	0.16	0.00	0.16	0.00
7/27/2017	0.00	0.16	0.00	0.16	0.00
7/28/2017	0.01	0.16	0.00	0.16	0.00
7/29/2017	0.00	0.16	0.00	0.16	0.00
7/30/2017	0.00	0.16	0.00	0.16	0.00
7/31/2017	0.00	0.16	0.00	0.16	0.00
8/1/2017	0.00	0.13	0.00	0.13	0.00
8/2/2017	0.00	0.13	0.00	0.13	0.00
8/3/2017	0.14	0.13	0.00	0.13	0.00
8/4/2017	0.00	0.13	0.00	0.13	0.00
8/5/2017	0.19	0.13	0.00	0.13	0.01
8/6/2017	0.00	0.13	0.00	0.13	0.00
8/7/2017	0.00	0.13	0.00	0.13	0.00
8/8/2017	0.24	0.13	0.00	0.13	0.02
8/9/2017	0.01	0.13	0.00	0.13	0.00
8/10/2017	0.00	0.13	0.00	0.13	0.00
8/11/2017	0.00	0.13	0.00	0.13	0.00
8/12/2017	1.58	0.13	0.00	0.13	0.33
8/13/2017	0.00	0.13	0.00	0.13	0.00
8/14/2017	0.00	0.13	0.00	0.13	0.00
8/15/2017	0.08	0.13	0.00	0.13	0.00
8/16/2017	0.00	0.13	0.00	0.13	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
8/17/2017	0.00	0.13	0.00	0.13	0.00
8/18/2017	0.00	0.13	0.00	0.13	0.00
8/19/2017	0.60	0.13	0.00	0.13	0.10
8/20/2017	0.00	0.13	0.00	0.13	0.00
8/21/2017	0.00	0.13	0.00	0.13	0.00
8/22/2017	0.00	0.13	0.00	0.13	0.00
8/23/2017	0.53	0.13	0.00	0.13	0.09
8/24/2017	0.00	0.13	0.00	0.13	0.00
8/25/2017	0.00	0.13	0.00	0.13	0.00
8/26/2017	0.00	0.13	0.00	0.13	0.00
8/27/2017	0.00	0.13	0.00	0.13	0.00
8/28/2017	0.00	0.13	0.00	0.13	0.00
8/29/2017	0.00	0.13	0.00	0.13	0.00
8/30/2017	0.02	0.13	0.00	0.13	0.00
8/31/2017	0.00	0.13	0.00	0.13	0.00
9/1/2017	0.02	0.09	0.00	0.09	0.00
9/2/2017	0.00	0.09	0.00	0.09	0.00
9/3/2017	0.72	0.09	0.00	0.09	0.14
9/4/2017	0.19	0.09	0.00	0.09	0.02
9/5/2017	0.00	0.09	0.00	0.09	0.00
9/6/2017	0.11	0.09	0.01	0.09	0.00
9/7/2017	0.74	0.09	0.01	0.09	0.14
9/8/2017	0.03	0.09	0.01	0.09	0.00
9/9/2017	0.02	0.09	0.01	0.09	0.00
9/10/2017	0.00	0.09	0.00	0.09	0.00
9/11/2017	0.00	0.09	0.00	0.09	0.00
9/12/2017	0.00	0.09	0.00	0.09	0.00
9/13/2017	0.00	0.09	0.01	0.09	0.00
9/14/2017	0.00	0.09	0.00	0.09	0.00
9/15/2017	0.24	0.09	0.00	0.09	0.03
9/16/2017	0.00	0.09	0.00	0.09	0.00
9/17/2017	0.00	0.09	0.00	0.09	0.00
9/18/2017	0.00	0.09	0.00	0.09	0.00
9/19/2017	0.00	0.09	0.00	0.09	0.00
9/20/2017	0.02	0.09	0.00	0.09	0.00
9/21/2017	0.00	0.09	0.00	0.09	0.00
9/22/2017	0.00	0.09	0.00	0.09	0.00
9/23/2017	0.00	0.09	0.00	0.09	0.00
9/24/2017	0.00	0.09	0.00	0.09	0.00
9/25/2017	0.00	0.09	0.00	0.09	0.00
9/26/2017	0.00	0.09	0.00	0.09	0.00
9/27/2017	0.00	0.09	0.00	0.09	0.00
9/28/2017	0.00	0.09	0.00	0.09	0.00
9/29/2017	0.00	0.09	0.00	0.09	0.00
9/30/2017	0.01	0.09	0.00	0.09	0.00
10/1/2017	0.16	0.06	0.00	0.06	0.02
10/2/2017	0.00	0.06	0.00	0.06	0.00
10/3/2017	0.00	0.06	0.00	0.06	0.00
10/4/2017	0.00	0.06	0.00	0.06	0.00
10/5/2017	0.00	0.06	0.00	0.06	0.00
10/6/2017	0.00	0.06	0.00	0.06	0.00
10/7/2017	0.00	0.06	0.00	0.06	0.00
10/8/2017	0.00	0.06	0.00	0.06	0.00
10/9/2017	0.63	0.06	0.00	0.06	0.12
10/10/2017	0.08	0.06	0.00	0.06	0.00
10/11/2017	0.00	0.06	0.00	0.06	0.00
10/12/2017	0.12	0.06	0.00	0.06	0.01
10/13/2017	0.00	0.06	0.00	0.06	0.00
10/14/2017	0.00	0.06	0.00	0.06	0.00
10/15/2017	0.00	0.06	0.00	0.06	0.00
10/16/2017	0.14	0.06	0.00	0.06	0.02
10/17/2017	0.00	0.06	0.00	0.06	0.00
10/18/2017	0.00	0.06	0.00	0.06	0.00
10/19/2017	0.00	0.06	0.00	0.06	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
10/20/2017	0.00	0.06	0.00	0.06	0.00
10/21/2017	0.00	0.06	0.00	0.06	0.00
10/22/2017	0.00	0.06	0.00	0.06	0.00
10/23/2017	0.00	0.06	0.00	0.06	0.00
10/24/2017	0.02	0.06	0.00	0.06	0.00
10/25/2017	0.23	0.06	0.00	0.06	0.04
10/26/2017	0.00	0.06	0.00	0.06	0.00
10/27/2017	0.00	0.06	0.00	0.06	0.00
10/28/2017	0.00	0.06	0.00	0.06	0.00
10/29/2017	0.08	0.06	0.00	0.06	0.00
10/30/2017	3.23	0.06	0.01	0.06	0.67
10/31/2017	0.08	0.06	0.01	0.06	0.00
11/1/2017	0.00	0.02	0.01	0.02	0.00
11/2/2017	0.03	0.02	0.01	0.02	0.00
11/3/2017	0.00	0.02	0.01	0.02	0.00
11/4/2017	0.00	0.02	0.01	0.02	0.00
11/5/2017	0.02	0.02	0.01	0.02	0.00
11/6/2017	0.06	0.02	0.01	0.02	0.01
11/7/2017	0.09	0.02	0.01	0.02	0.01
11/8/2017	0.18	0.02	0.01	0.02	0.03
11/9/2017	0.00	0.02	0.01	0.02	0.00
11/10/2017	0.00	0.02	0.01	0.02	0.00
11/11/2017	0.00	0.02	0.01	0.02	0.00
11/12/2017	0.00	0.02	0.01	0.02	0.00
11/13/2017	0.00	0.02	0.01	0.02	0.00
11/14/2017	0.04	0.02	0.01	0.02	0.00
11/15/2017	0.00	0.02	0.01	0.02	0.00
11/16/2017	0.08	0.02	0.01	0.02	0.01
11/17/2017	0.07	0.02	0.01	0.02	0.01
11/18/2017	0.00	0.02	0.01	0.02	0.00
11/19/2017	0.35	0.02	0.01	0.02	0.07
11/20/2017	0.00	0.02	0.01	0.02	0.00
11/21/2017	0.00	0.02	0.01	0.02	0.00
11/22/2017	0.00	0.02	0.01	0.02	0.00
11/23/2017	0.04	0.02	0.01	0.02	0.00
11/24/2017	0.00	0.02	0.01	0.02	0.00
11/25/2017	0.00	0.02	0.01	0.02	0.00
11/26/2017	0.00	0.02	0.01	0.02	0.00
11/27/2017	0.00	0.02	0.01	0.02	0.00
11/28/2017	0.00	0.02	0.01	0.02	0.00
11/29/2017	0.00	0.02	0.01	0.02	0.00
11/30/2017	0.00	0.02	0.01	0.02	0.00
12/1/2017	0.13	0.01	0.01	0.01	0.00
12/2/2017	0.00	0.01	0.01	0.01	0.00
12/3/2017	0.00	0.01	0.01	0.01	0.00
12/4/2017	0.00	0.01	0.01	0.01	0.00
12/5/2017	0.00	0.01	0.01	0.01	0.00
12/6/2017	0.34	0.01	0.01	0.01	0.00
12/7/2017	0.00	0.01	0.01	0.01	0.00
12/8/2017	0.00	0.01	0.01	0.01	0.00
12/9/2017	0.00	0.01	0.01	0.01	0.00
12/10/2017	0.31	0.01	0.01	0.01	0.00
12/11/2017	0.00	0.01	0.01	0.01	0.00
12/12/2017	0.00	0.01	0.01	0.01	0.00
12/13/2017	0.21	0.01	0.01	0.01	0.00
12/14/2017	0.07	0.01	0.01	0.01	0.00
12/15/2017	0.00	0.01	0.01	0.01	0.00
12/16/2017	0.02	0.01	0.01	0.01	0.00
12/17/2017	0.00	0.01	0.01	0.01	0.00
12/18/2017	0.00	0.01	0.01	0.01	0.00
12/19/2017	0.00	0.01	0.01	0.01	0.00
12/20/2017	0.00	0.01	0.01	0.01	0.00
12/21/2017	0.00	0.01	0.01	0.01	0.00
12/22/2017	0.00	0.01	0.01	0.01	0.00

Date	INPUT				
	Precipitation Lake Surface	Evaporation from lake Surface	Groundwater Recharge (bedrock)	Evapotranspiration (Basin - Lake)	Runoff (over land flow)
	(inches)	(inches)	(inches)	(inches)	(inches)
12/23/2017	0.11	0.01	0.01	0.01	0.00
12/24/2017	0.53	0.01	0.01	0.01	0.00
12/25/2017	0.29	0.01	0.01	0.01	0.00
12/26/2017	0.00	0.01	0.01	0.01	0.00
12/27/2017	0.00	0.01	0.01	0.01	0.00
12/28/2017	0.00	0.01	0.01	0.01	0.00
12/29/2017	0.00	0.01	0.01	0.01	0.00
12/30/2017	0.01	0.01	0.02	0.01	0.00
12/31/2017	0.03	0.01	0.02	0.01	0.00

APPENDIX III

USGS Reference Flow Duration Tables

USGS 01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS NY	
Discharge (1930-2017) (cfs)	Percentile
1.9	100.0%
4.2	99.9%
6.3	99.5%
7.3	99.2%
8.0	99.0%
11.0	98.0%
12.9	97.0%
14.0	96.0%
16.0	95.0%
23.9	90.0%
25.0	89.0%
27.0	88.0%
28.8	87.0%
30.0	86.0%
32.0	85.0%
34.0	84.0%
36.0	83.0%
38.0	82.0%
41.0	81.0%
43.0	80.0%
46.0	79.0%
48.1	78.0%
51.0	77.0%
54.0	76.0%
57.0	75.0%
60.0	74.0%
63.1	73.0%
67.0	72.0%
70.0	71.0%
73.8	70.0%
77.0	69.0%
81.0	68.0%
84.0	67.0%
88.0	66.0%
92.0	65.0%
96.9	64.0%
100.0	63.0%
105.0	62.0%
110.0	61.0%
113.0	60.0%

USGS 01387400 RAMAPO RIVER AT RAMAPO NY	
Discharge (1980-2017) (cfs)	Percentile
8.5	99.9%
9.5	99.5%
10.0	99.2%
10.0	99.0%
12.0	98.0%
13.0	97.0%
14.0	96.0%
15.0	95.0%
18.0	90.0%
18.3	89.0%
19.0	88.0%
20.0	87.0%
21.0	86.0%
21.8	85.0%
22.5	84.0%
23.4	83.0%
24.5	82.0%
25.9	81.0%
27.0	80.0%
28.8	79.0%
30.0	78.0%
32.0	77.0%
33.1	76.0%
35.0	75.0%
37.0	74.0%
39.0	73.0%
41.6	72.0%
44.0	71.0%
46.4	70.0%
49.0	69.0%
51.4	68.0%
54.0	67.0%
57.0	66.0%
59.9	65.0%
62.3	64.0%
65.3	63.0%
68.0	62.0%
70.0	61.0%
72.1	60.0%
75.0	59.0%

118.0	59.0%
120.0	58.0%
125.0	57.0%
130.0	56.0%
134.0	55.0%
140.0	54.0%
144.0	53.0%
149.0	52.0%
153.0	51.0%
159.0	50.0%
162.0	49.0%
168.0	48.0%
172.0	47.0%
178.0	46.0%
183.0	45.0%
190.0	44.0%
195.0	43.0%
200.0	42.0%
206.0	41.0%
213.0	40.0%
220.0	39.0%
227.0	38.0%
233.0	37.0%
240.0	36.0%
248.0	35.0%
255.0	34.0%
262.0	33.0%
270.0	32.0%
278.0	31.0%
286.0	30.0%
294.0	29.0%
303.0	28.0%
313.0	27.0%
323.0	26.0%
334.0	25.0%
345.0	24.0%
358.0	23.0%
370.0	22.0%
384.0	21.0%
399.0	20.0%
412.0	19.0%
429.0	18.0%
445.0	17.0%
463.0	16.0%
482.0	15.0%
502.0	14.0%
528.0	13.0%

77.0	58.0%
79.1	57.0%
81.5	56.0%
84.0	55.0%
86.4	54.0%
89.0	53.0%
91.0	52.0%
94.0	51.0%
97.0	50.0%
100.0	49.0%
102.0	48.0%
105.0	47.0%
108.0	46.0%
110.0	45.0%
113.0	44.0%
116.0	43.0%
119.0	42.0%
122.0	41.0%
126.0	40.0%
129.0	39.0%
133.0	38.0%
136.0	37.0%
140.0	36.0%
144.0	35.0%
148.0	34.0%
152.0	33.0%
157.0	32.0%
161.0	31.0%
167.0	30.0%
171.0	29.0%
177.0	28.0%
181.5	27.0%
188.0	26.0%
194.0	25.0%
200.0	24.0%
206.0	23.0%
213.0	22.0%
219.0	21.0%
227.4	20.0%
235.0	19.0%
245.0	18.0%
254.0	17.0%
263.0	16.0%
274.0	15.0%
287.0	14.0%
300.0	13.0%
315.4	12.0%

553.0	12.0%
581.0	11.0%
611.0	10.0%
647.0	9.0%
684.0	8.0%
732.0	7.0%
789.0	6.0%
860.0	5.0%
940.0	4.0%
1070.0	3.0%
1250.0	2.0%
1600.0	1.0%
2090.0	0.5%
3940	0.1%
7570.4	0.0%

335.0	11.0%
354.0	10.0%
381.0	9.0%
411.0	8.0%
446.0	7.0%
488.0	6.0%
541.0	5.0%
607.5	4.0%
714.8	3.0%
906.2	2.0%
1310.0	1.0%
1774.3	0.5%
3720.44	0.1%

**Melzingah Reservoir Flow Duration Tables for
Stream Gage Locations**

Melzingah

Percentile	MZ-1 Streamflow, in cubic feet per second	MZ-2 Streamflow, in cubic feet per second
99.99%	0.00	0.00
99.90%	0.00	0.00
99.50%	0.00	0.00
99.20%	0.01	0.00
99.00%	0.01	0.00
98.00%	0.02	0.00
97.00%	0.02	0.00
96.00%	0.03	0.00
95.00%	0.04	0.00
90.00%	0.07	0.01
89.00%	0.08	0.01
88.00%	0.09	0.01
87.00%	0.10	0.01
86.00%	0.11	0.01
85.00%	0.12	0.01
84.00%	0.14	0.01
83.00%	0.15	0.01
82.00%	0.17	0.01
81.00%	0.19	0.01
80.00%	0.21	0.02
79.00%	0.23	0.02
78.00%	0.25	0.02
77.00%	0.27	0.02
76.00%	0.29	0.02
75.00%	0.32	0.02
74.00%	0.35	0.03
73.00%	0.38	0.03
72.00%	0.42	0.03
71.00%	0.45	0.04
70.00%	0.49	0.04
69.00%	0.54	0.04
68.00%	0.59	0.05
67.00%	0.65	0.05
66.00%	0.71	0.06
65.00%	0.78	0.07
64.00%	0.80	0.07
63.00%	0.83	0.07
62.00%	0.85	0.07
61.00%	0.88	0.08
60.00%	0.91	0.08
59.00%	0.93	0.08

58.00%	0.97	0.09
57.00%	1.00	0.09
56.00%	1.03	0.09
55.00%	1.06	0.10
54.00%	1.10	0.10
53.00%	1.14	0.11
52.00%	1.18	0.11
51.00%	1.22	0.12
50.00%	1.27	0.12
49.00%	1.30	0.12
48.00%	1.32	0.13
47.00%	1.35	0.13
46.00%	1.38	0.13
45.00%	1.41	0.13
44.00%	1.44	0.14
43.00%	1.47	0.14
42.00%	1.51	0.14
41.00%	1.54	0.15
40.00%	1.58	0.15
39.00%	1.62	0.16
38.00%	1.66	0.16
37.00%	1.70	0.16
36.00%	1.75	0.17
35.00%	1.80	0.17
34.00%	1.85	0.18
33.00%	1.89	0.18
32.00%	1.94	0.19
31.00%	2.00	0.19
30.00%	2.06	0.20
29.00%	2.12	0.20
28.00%	2.18	0.21
27.00%	2.25	0.22
26.00%	2.33	0.23
25.00%	2.41	0.23
24.00%	2.47	0.24
23.00%	2.54	0.25
22.00%	2.61	0.25
21.00%	2.69	0.26
20.00%	2.77	0.27
19.00%	2.88	0.28
18.00%	3.00	0.29
17.00%	3.13	0.30
16.00%	3.28	0.32
15.00%	3.44	0.33
14.00%	3.60	0.35
13.00%	3.78	0.37
12.00%	3.98	0.39

11.00%	4.21	0.41
10.00%	4.48	0.44
9.00%	4.71	0.46
8.00%	4.99	0.49
7.00%	5.33	0.53
6.00%	5.74	0.57
5.00%	6.27	0.63
4.00%	7.00	0.71
3.00%	8.07	0.84
2.00%	9.85	1.05
1.00%	13.86	1.56
0.50%	18.95	1.89
0.10%	39.33	2.96
0.01%	144.46	6.59

**Mount Beacon Reservoir Flow Duration Tables for
Stream Gage Locations**

Mount Beacon

Percentile	MB-1 Streamflow, in cubic feet per second	MB-2 Streamflow, in cubic feet per second	MB-3 Streamflow, in cubic feet per second
99.99%	0.00	0.00	0.00
99.90%	0.00	0.00	0.00
99.50%	0.00	0.00	0.00
99.20%	0.00	0.00	0.00
99.00%	0.00	0.01	0.01
98.00%	0.00	0.01	0.01
97.00%	0.00	0.01	0.01
96.00%	0.00	0.02	0.02
95.00%	0.01	0.02	0.02
90.00%	0.01	0.04	0.04
89.00%	0.01	0.05	0.05
88.00%	0.01	0.05	0.05
87.00%	0.02	0.06	0.06
86.00%	0.02	0.06	0.06
85.00%	0.02	0.07	0.07
84.00%	0.02	0.08	0.08
83.00%	0.02	0.09	0.09
82.00%	0.03	0.10	0.10
81.00%	0.03	0.11	0.11
80.00%	0.03	0.12	0.12
79.00%	0.04	0.13	0.13
78.00%	0.04	0.14	0.14
77.00%	0.04	0.16	0.16
76.00%	0.05	0.17	0.17
75.00%	0.05	0.19	0.19
74.00%	0.06	0.20	0.21
73.00%	0.06	0.22	0.23
72.00%	0.07	0.24	0.25
71.00%	0.08	0.26	0.27
70.00%	0.08	0.29	0.29
69.00%	0.09	0.32	0.32
68.00%	0.10	0.35	0.35
67.00%	0.11	0.38	0.38
66.00%	0.12	0.42	0.42
65.00%	0.13	0.46	0.46
64.00%	0.13	0.47	0.48
63.00%	0.14	0.49	0.49
62.00%	0.14	0.50	0.51
61.00%	0.15	0.52	0.52
60.00%	0.15	0.53	0.54
59.00%	0.16	0.55	0.56
58.00%	0.16	0.57	0.58

57.00%	0.17	0.59	0.60
56.00%	0.17	0.61	0.62
55.00%	0.18	0.63	0.64
54.00%	0.19	0.65	0.66
53.00%	0.19	0.67	0.68
52.00%	0.20	0.70	0.71
51.00%	0.21	0.73	0.74
50.00%	0.22	0.75	0.76
49.00%	0.22	0.77	0.78
48.00%	0.23	0.78	0.80
47.00%	0.23	0.80	0.81
46.00%	0.24	0.82	0.83
45.00%	0.24	0.84	0.85
44.00%	0.25	0.86	0.87
43.00%	0.25	0.87	0.89
42.00%	0.26	0.90	0.91
41.00%	0.26	0.92	0.93
40.00%	0.27	0.94	0.95
39.00%	0.28	0.96	0.98
38.00%	0.28	0.99	1.00
37.00%	0.29	1.01	1.03
36.00%	0.30	1.04	1.06
35.00%	0.31	1.07	1.09
34.00%	0.31	1.10	1.11
33.00%	0.32	1.13	1.14
32.00%	0.33	1.16	1.18
31.00%	0.34	1.19	1.21
30.00%	0.35	1.23	1.24
29.00%	0.36	1.26	1.28
28.00%	0.37	1.30	1.32
27.00%	0.39	1.35	1.37
26.00%	0.40	1.39	1.41
25.00%	0.41	1.44	1.46
24.00%	0.43	1.48	1.50
23.00%	0.44	1.52	1.54
22.00%	0.45	1.57	1.59
21.00%	0.46	1.62	1.64
20.00%	0.48	1.67	1.69
19.00%	0.50	1.73	1.76
18.00%	0.52	1.81	1.83
17.00%	0.54	1.89	1.91
16.00%	0.57	1.98	2.00
15.00%	0.60	2.07	2.10
14.00%	0.63	2.17	2.20
13.00%	0.66	2.28	2.31
12.00%	0.70	2.41	2.44
11.00%	0.74	2.55	2.58

10.00%	0.79	2.72	2.75
9.00%	0.83	2.86	2.90
8.00%	0.88	3.03	3.07
7.00%	0.95	3.24	3.28
6.00%	1.02	3.50	3.54
5.00%	1.12	3.83	3.88
4.00%	1.27	4.29	4.34
3.00%	1.48	4.96	5.03
2.00%	1.85	6.10	6.18
1.00%	2.69	8.69	8.80
0.50%	3.40	11.99	12.13
0.10%	5.87	25.44	25.72
0.01%	15.52	97.20	98.03

**Cargill Reservoir Flow Duration Tables for
Stream Gage Locations**

Cargill

Percentile	CG-1 Streamflow, in cubic feet per second	CG-2 Streamflow, in cubic feet per second	CG-3 Streamflow, in cubic feet per second
99.99%	0.00	0.00	0.00
99.90%	0.00	0.00	0.00
99.50%	0.00	0.00	0.00
99.20%	0.00	0.00	0.00
99.00%	0.00	0.00	0.00
98.00%	0.00	0.00	0.00
97.00%	0.00	0.01	0.00
96.00%	0.00	0.01	0.00
95.00%	0.00	0.01	0.00
90.00%	0.01	0.02	0.01
89.00%	0.01	0.02	0.01
88.00%	0.01	0.03	0.01
87.00%	0.01	0.03	0.01
86.00%	0.01	0.03	0.01
85.00%	0.02	0.04	0.01
84.00%	0.02	0.04	0.01
83.00%	0.02	0.05	0.01
82.00%	0.02	0.05	0.01
81.00%	0.02	0.06	0.01
80.00%	0.03	0.06	0.01
79.00%	0.03	0.07	0.02
78.00%	0.03	0.07	0.02
77.00%	0.03	0.08	0.02
76.00%	0.04	0.09	0.02
75.00%	0.04	0.10	0.02
74.00%	0.04	0.11	0.02
73.00%	0.05	0.11	0.03
72.00%	0.05	0.12	0.03
71.00%	0.06	0.14	0.03
70.00%	0.06	0.15	0.03
69.00%	0.07	0.16	0.04
68.00%	0.08	0.18	0.04
67.00%	0.08	0.19	0.05
66.00%	0.09	0.21	0.05
65.00%	0.10	0.23	0.05
64.00%	0.10	0.24	0.06
63.00%	0.11	0.25	0.06
62.00%	0.11	0.25	0.06
61.00%	0.11	0.26	0.06
60.00%	0.12	0.27	0.06
59.00%	0.12	0.28	0.07

58.00%	0.13	0.29	0.07
57.00%	0.13	0.30	0.07
56.00%	0.13	0.31	0.07
55.00%	0.14	0.32	0.08
54.00%	0.14	0.33	0.08
53.00%	0.15	0.34	0.08
52.00%	0.16	0.35	0.08
51.00%	0.16	0.36	0.09
50.00%	0.17	0.38	0.09
49.00%	0.17	0.38	0.09
48.00%	0.17	0.39	0.09
47.00%	0.18	0.40	0.10
46.00%	0.18	0.41	0.10
45.00%	0.19	0.42	0.10
44.00%	0.19	0.43	0.10
43.00%	0.20	0.44	0.11
42.00%	0.20	0.45	0.11
41.00%	0.21	0.46	0.11
40.00%	0.21	0.47	0.11
39.00%	0.22	0.49	0.12
38.00%	0.22	0.50	0.12
37.00%	0.23	0.51	0.12
36.00%	0.24	0.53	0.13
35.00%	0.24	0.54	0.13
34.00%	0.25	0.56	0.13
33.00%	0.26	0.57	0.14
32.00%	0.26	0.59	0.14
31.00%	0.27	0.60	0.14
30.00%	0.28	0.62	0.15
29.00%	0.29	0.64	0.15
28.00%	0.29	0.66	0.16
27.00%	0.30	0.68	0.16
26.00%	0.31	0.70	0.17
25.00%	0.32	0.73	0.17
24.00%	0.33	0.75	0.18
23.00%	0.34	0.76	0.18
22.00%	0.35	0.79	0.19
21.00%	0.36	0.81	0.19
20.00%	0.37	0.83	0.20
19.00%	0.39	0.87	0.21
18.00%	0.40	0.90	0.22
17.00%	0.42	0.94	0.22
16.00%	0.44	0.99	0.24
15.00%	0.46	1.03	0.25
14.00%	0.49	1.08	0.26
13.00%	0.51	1.14	0.27
12.00%	0.54	1.20	0.29

11.00%	0.57	1.27	0.30
10.00%	0.61	1.35	0.32
9.00%	0.64	1.42	0.34
8.00%	0.68	1.51	0.36
7.00%	0.73	1.61	0.39
6.00%	0.80	1.74	0.42
5.00%	0.87	1.91	0.47
4.00%	0.99	2.15	0.53
3.00%	1.16	2.51	0.62
2.00%	1.45	3.10	0.78
1.00%	2.13	4.48	1.15
0.50%	2.84	6.04	1.54
0.10%	5.60	12.17	3.03
0.01%	18.70	42.38	10.11

**Daily Stream Flow Data for
Critical Drought Period (1963-1965)**

Date	Wappinger Creek Flow (CFS)	Flow Duration	Flow At MZ-1 (CFS)	Flow At MZ-2 (CFS)	Flow At MB-1 (CFS)	Flow At MB-2 (CFS)	Flow At MB-3 (CFS)	Flow At CG-1 (CFS)	Flow At CG-2 (CFS)	Flow at CG-3 (CFS)	Difference Between MB-1 and MB-2 (CFS)
1/1/1963	105	62%	0.85	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.33
1/2/1963	98	64%	0.81	0.00	0.14	0.48	0.48	0.00	0.24	0.00	0.32
1/3/1963	96	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.32
1/4/1963	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
1/5/1963	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
1/6/1963	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
1/7/1963	97	64%	0.80	0.00	0.13	0.47	0.48	0.00	0.24	0.00	0.32
1/8/1963	95	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.32
1/9/1963	93	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.31
1/10/1963	93	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.31
1/11/1963	97	64%	0.80	0.00	0.13	0.47	0.48	0.00	0.24	0.00	0.32
1/12/1963	141	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
1/13/1963	230	38%	1.68	0.16	0.29	1.00	1.01	0.23	0.51	0.12	0.46
1/14/1963	250	35%	1.81	0.18	0.31	1.08	1.09	0.24	0.55	0.13	0.48
1/15/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
1/16/1963	180	46%	1.39	0.13	0.24	0.83	0.84	0.18	0.41	0.10	0.42
1/17/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
1/18/1963	171	47%	1.34	0.13	0.23	0.80	0.81	0.18	0.40	0.10	0.41
1/19/1963	166	48%	1.31	0.13	0.22	0.78	0.79	0.17	0.39	0.09	0.41
1/20/1963	216	40%	1.60	0.15	0.27	0.95	0.96	0.21	0.48	0.12	0.45
1/21/1963	355	23%	2.52	0.24	0.43	1.51	1.53	0.34	0.76	0.18	0.53
1/22/1963	260	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.48
1/23/1963	288	30%	2.07	0.20	0.35	1.24	1.25	0.28	0.63	0.15	0.50
1/24/1963	200	42%	1.51	0.14	0.26	0.90	0.91	0.20	0.45	0.11	0.44
1/25/1963	180	46%	1.39	0.13	0.24	0.83	0.84	0.18	0.41	0.10	0.42
1/26/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
1/27/1963	200	42%	1.51	0.14	0.26	0.90	0.91	0.20	0.45	0.11	0.44
1/28/1963	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
1/29/1963	200	42%	1.51	0.14	0.26	0.90	0.91	0.20	0.45	0.11	0.44
1/30/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43

1/31/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
2/1/1963	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
2/2/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/3/1963	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
2/4/1963	220	39%	1.62	0.16	0.28	0.96	0.98	0.22	0.49	0.12	0.45
2/5/1963	230	38%	1.68	0.16	0.29	1.00	1.01	0.23	0.51	0.12	0.46
2/6/1963	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
2/7/1963	200	42%	1.51	0.14	0.26	0.90	0.91	0.20	0.45	0.11	0.44
2/8/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/9/1963	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
2/10/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/11/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/12/1963	180	46%	1.39	0.13	0.24	0.83	0.84	0.18	0.41	0.10	0.42
2/13/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
2/14/1963	180	46%	1.39	0.13	0.24	0.83	0.84	0.18	0.41	0.10	0.42
2/15/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/16/1963	150	52%	1.19	0.11	0.20	0.71	0.72	0.16	0.35	0.09	0.39
2/17/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/18/1963	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
2/19/1963	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
2/20/1963	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
2/21/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/22/1963	140	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.38
2/23/1963	150	52%	1.19	0.11	0.20	0.71	0.72	0.16	0.35	0.09	0.39
2/24/1963	140	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.38
2/25/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
2/26/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
2/27/1963	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34
2/28/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
3/1/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
3/2/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
3/3/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
3/4/1963	140	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.38
3/5/1963	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
3/6/1963	220	39%	1.62	0.16	0.28	0.96	0.98	0.22	0.49	0.12	0.45

3/7/1963	360	23%	2.55	0.25	0.44	1.53	1.55	0.34	0.77	0.18	0.53
3/8/1963	410	19%	2.86	0.28	0.50	1.72	1.75	0.39	0.86	0.21	0.56
3/9/1963	440	17%	3.09	0.30	0.54	1.86	1.89	0.42	0.93	0.22	0.57
3/10/1963	440	17%	3.09	0.30	0.54	1.86	1.89	0.42	0.93	0.22	0.57
3/11/1963	460	16%	3.25	0.31	0.56	1.96	1.99	0.44	0.98	0.23	0.57
3/12/1963	480	15%	3.42	0.33	0.60	2.06	2.09	0.46	1.03	0.25	0.58
3/13/1963	520	13%	3.72	0.36	0.65	2.25	2.28	0.50	1.12	0.27	0.59
3/14/1963	689	8%	5.02	0.49	0.89	3.05	3.09	0.69	1.52	0.37	0.64
3/15/1963	804	6%	5.84	0.58	1.04	3.56	3.61	0.81	1.78	0.43	0.67
3/16/1963	846	5%	6.15	0.62	1.10	3.75	3.80	0.86	1.88	0.46	0.67
3/17/1963	1000	4%	7.43	0.76	1.36	4.56	4.62	1.06	2.30	0.57	0.70
3/18/1963	1420	2%	11.30	1.23	2.15	7.03	7.12	1.69	3.60	0.91	0.76
3/19/1963	1590	1%	13.68	1.54	2.66	8.57	8.68	2.10	4.42	1.14	0.78
3/20/1963	1490	1%	12.10	1.34	2.32	7.55	7.65	1.83	3.87	0.99	0.77
3/21/1963	1210	2%	9.36	0.99	1.75	5.78	5.86	1.37	2.94	0.74	0.73
3/22/1963	990	4%	7.36	0.76	1.34	4.51	4.57	1.05	2.27	0.56	0.70
3/23/1963	930	4%	6.89	0.70	1.25	4.22	4.28	0.97	2.12	0.52	0.69
3/24/1963	870	5%	6.35	0.64	1.14	3.88	3.93	0.89	1.94	0.47	0.68
3/25/1963	1110	3%	8.38	0.88	1.55	5.16	5.23	1.21	2.61	0.65	0.72
3/26/1963	1760	1%	15.04	1.64	2.86	9.45	9.57	2.30	4.84	1.24	0.79
3/27/1963	2660	0%	21.61	2.05	3.75	13.73	13.89	3.21	6.86	1.74	0.86
3/28/1963	2200	0%	19.44	1.92	3.47	12.31	12.46	2.91	6.19	1.58	0.83
3/29/1963	1490	1%	12.10	1.34	2.32	7.55	7.65	1.83	3.87	0.99	0.77
3/30/1963	1130	3%	8.54	0.90	1.58	5.27	5.34	1.24	2.67	0.66	0.72
3/31/1963	930	4%	6.89	0.70	1.25	4.22	4.28	0.97	2.12	0.52	0.69
4/1/1963	772	6%	5.61	0.56	1.00	3.41	3.46	0.78	1.70	0.41	0.66
4/2/1963	679	8%	4.95	0.49	0.88	3.01	3.05	0.68	1.49	0.36	0.64
4/3/1963	611	10%	4.48	0.44	0.79	2.72	2.75	0.61	1.35	0.32	0.62
4/4/1963	557	12%	4.01	0.39	0.70	2.43	2.46	0.54	1.21	0.29	0.61
4/5/1963	496	14%	3.55	0.34	0.62	2.14	2.17	0.48	1.07	0.26	0.59
4/6/1963	438	17%	3.07	0.30	0.53	1.85	1.88	0.41	0.92	0.22	0.57
4/7/1963	404	20%	2.81	0.27	0.49	1.69	1.72	0.38	0.85	0.20	0.55
4/8/1963	363	23%	2.57	0.25	0.44	1.54	1.56	0.35	0.77	0.18	0.54
4/9/1963	332	25%	2.39	0.23	0.41	1.43	1.45	0.32	0.72	0.17	0.52
4/10/1963	317	27%	2.28	0.22	0.39	1.36	1.38	0.31	0.69	0.17	0.51

4/11/1963	302	28%	2.18	0.21	0.37	1.30	1.32	0.29	0.66	0.16	0.51
4/12/1963	274	32%	1.97	0.19	0.34	1.18	1.19	0.27	0.60	0.14	0.49
4/13/1963	247	35%	1.79	0.17	0.31	1.07	1.08	0.24	0.54	0.13	0.47
4/14/1963	228	38%	1.67	0.16	0.28	0.99	1.01	0.22	0.50	0.12	0.46
4/15/1963	213	40%	1.58	0.15	0.27	0.94	0.95	0.21	0.47	0.11	0.45
4/16/1963	195	43%	1.47	0.14	0.25	0.87	0.89	0.20	0.44	0.11	0.44
4/17/1963	187	44%	1.43	0.14	0.24	0.85	0.86	0.19	0.43	0.10	0.43
4/18/1963	193	43%	1.46	0.14	0.25	0.87	0.88	0.19	0.44	0.10	0.43
4/19/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
4/20/1963	184	45%	1.41	0.14	0.24	0.84	0.85	0.19	0.42	0.10	0.43
4/21/1963	176	46%	1.37	0.13	0.23	0.81	0.82	0.18	0.41	0.10	0.42
4/22/1963	171	47%	1.34	0.13	0.23	0.80	0.81	0.18	0.40	0.10	0.41
4/23/1963	161	49%	1.29	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
4/24/1963	161	49%	1.29	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
4/25/1963	154	51%	1.23	0.12	0.21	0.73	0.74	0.16	0.37	0.09	0.40
4/26/1963	143	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.38
4/27/1963	134	55%	1.06	0.00	0.18	0.63	0.64	0.00	0.32	0.00	0.37
4/28/1963	126	57%	1.00	0.00	0.17	0.59	0.60	0.00	0.30	0.00	0.36
4/29/1963	118	59%	0.93	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.35
4/30/1963	128	56%	1.02	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.37
5/1/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
5/2/1963	174	47%	1.36	0.13	0.23	0.81	0.82	0.18	0.40	0.10	0.42
5/3/1963	149	52%	1.18	0.11	0.20	0.70	0.71	0.16	0.35	0.08	0.39
5/4/1963	132	56%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.37
5/5/1963	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
5/6/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
5/7/1963	113	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.35
5/8/1963	105	62%	0.85	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.33
5/9/1963	102	63%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.33
5/10/1963	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
5/11/1963	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
5/12/1963	132	56%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.37
5/13/1963	116	59%	0.92	0.00	0.16	0.54	0.55	0.00	0.27	0.00	0.35
5/14/1963	111	61%	0.89	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.34
5/15/1963	134	55%	1.06	0.00	0.18	0.63	0.64	0.00	0.32	0.00	0.37

5/16/1963	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
5/17/1963	105	62%	0.85	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.33
5/18/1963	115	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.35
5/19/1963	171	47%	1.34	0.13	0.23	0.80	0.81	0.18	0.40	0.10	0.41
5/20/1963	141	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
5/21/1963	126	57%	1.00	0.00	0.17	0.59	0.60	0.00	0.30	0.00	0.36
5/22/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
5/23/1963	105	62%	0.85	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.33
5/24/1963	98	64%	0.81	0.00	0.14	0.48	0.48	0.00	0.24	0.00	0.32
5/25/1963	92	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.31
5/26/1963	88	66%	0.71	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.31
5/27/1963	87	66%	0.69	0.00	0.12	0.41	0.41	0.00	0.21	0.00	0.30
5/28/1963	84	67%	0.65	0.00	0.11	0.38	0.38	0.00	0.19	0.00	0.30
5/29/1963	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
5/30/1963	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
5/31/1963	74	70%	0.50	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.28
6/1/1963	66	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.26
6/2/1963	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
6/3/1963	57	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.24
6/4/1963	55	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
6/5/1963	51	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.22
6/6/1963	50	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/7/1963	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/8/1963	50	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/9/1963	51	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.22
6/10/1963	50	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/11/1963	52	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.22
6/12/1963	66	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.26
6/13/1963	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
6/14/1963	66	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.26
6/15/1963	142	54%	1.12	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
6/16/1963	270	32%	1.94	0.19	0.33	1.16	1.18	0.26	0.59	0.14	0.49
6/17/1963	171	47%	1.34	0.13	0.23	0.80	0.81	0.18	0.40	0.10	0.41
6/18/1963	122	58%	0.98	0.00	0.16	0.58	0.58	0.00	0.29	0.00	0.36
6/19/1963	93	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.31

6/20/1963	82	68%	0.61	0.00	0.10	0.36	0.36	0.00	0.18	0.00	0.29
6/21/1963	272	32%	1.96	0.19	0.33	1.17	1.18	0.26	0.59	0.14	0.49
6/22/1963	241	36%	1.76	0.17	0.30	1.05	1.06	0.24	0.53	0.13	0.47
6/23/1963	166	48%	1.31	0.13	0.22	0.78	0.79	0.17	0.39	0.09	0.41
6/24/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
6/25/1963	104	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.33
6/26/1963	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
6/27/1963	78	69%	0.55	0.00	0.09	0.32	0.33	0.00	0.17	0.00	0.29
6/28/1963	71	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.27
6/29/1963	111	61%	0.89	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.34
6/30/1963	139	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.32	0.00	0.38
7/1/1963	115	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.35
7/2/1963	92	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.31
7/3/1963	87	66%	0.69	0.00	0.12	0.41	0.41	0.00	0.21	0.00	0.30
7/4/1963	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
7/5/1963	66	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.26
7/6/1963	60	74%	0.35	0.00	0.06	0.20	0.21	0.00	0.11	0.00	0.24
7/7/1963	55	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
7/8/1963	222	39%	1.63	0.16	0.28	0.97	0.98	0.22	0.49	0.12	0.46
7/9/1963	231	37%	1.69	0.16	0.29	1.01	1.02	0.23	0.51	0.12	0.46
7/10/1963	152	51%	1.21	0.11	0.21	0.72	0.73	0.16	0.36	0.09	0.39
7/11/1963	113	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.35
7/12/1963	93	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.31
7/13/1963	81	68%	0.59	0.00	0.10	0.35	0.35	0.00	0.18	0.00	0.29
7/14/1963	75	70%	0.51	0.00	0.09	0.30	0.30	0.00	0.15	0.00	0.28
7/15/1963	81	68%	0.59	0.00	0.10	0.35	0.35	0.00	0.18	0.00	0.29
7/16/1963	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
7/17/1963	67	72%	0.42	0.00	0.07	0.24	0.25	0.00	0.12	0.00	0.26
7/18/1963	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
7/19/1963	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
7/20/1963	70	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.27
7/21/1963	86	67%	0.68	0.00	0.11	0.40	0.40	0.00	0.20	0.00	0.30
7/22/1963	92	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.31
7/23/1963	81	68%	0.59	0.00	0.10	0.35	0.35	0.00	0.18	0.00	0.29
7/24/1963	70	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.27

7/25/1963	60	74%	0.35	0.00	0.06	0.20	0.21	0.00	0.11	0.00	0.24
7/26/1963	52	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.22
7/27/1963	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
7/28/1963	42	81%	0.20	0.00	0.03	0.11	0.12	0.00	0.06	0.00	0.19
7/29/1963	42	81%	0.20	0.00	0.03	0.11	0.12	0.00	0.06	0.00	0.19
7/30/1963	45	79%	0.22	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.20
7/31/1963	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
8/1/1963	46	79%	0.23	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.20
8/2/1963	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
8/3/1963	71	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.27
8/4/1963	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
8/5/1963	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
8/6/1963	44	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
8/7/1963	39	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
8/8/1963	37	83%	0.16	0.00	0.03	0.09	0.09	0.00	0.05	0.00	0.17
8/9/1963	37	83%	0.16	0.00	0.03	0.09	0.09	0.00	0.05	0.00	0.17
8/10/1963	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
8/11/1963	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
8/12/1963	32	85%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
8/13/1963	31	86%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
8/14/1963	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
8/15/1963	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
8/16/1963	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
8/17/1963	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
8/18/1963	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
8/19/1963	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
8/20/1963	28	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.12
8/21/1963	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
8/22/1963	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
8/23/1963	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
8/24/1963	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
8/25/1963	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
8/26/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
8/27/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
8/28/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05

8/29/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
8/30/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
8/31/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
9/1/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
9/2/1963	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/3/1963	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
9/4/1963	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
9/5/1963	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
9/6/1963	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/7/1963	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/8/1963	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/9/1963	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/10/1963	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/11/1963	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/12/1963	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/13/1963	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
9/14/1963	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
9/15/1963	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
9/16/1963	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/17/1963	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/18/1963	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/19/1963	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/20/1963	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
9/21/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
9/22/1963	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
9/23/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
9/24/1963	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/25/1963	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/26/1963	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/27/1963	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
9/28/1963	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
9/29/1963	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
9/30/1963	52	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.22
10/1/1963	43	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
10/2/1963	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16

10/3/1963	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
10/4/1963	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/5/1963	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
10/6/1963	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
10/7/1963	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
10/8/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
10/9/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
10/10/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/11/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/12/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
10/13/1963	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
10/14/1963	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
10/15/1963	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
10/16/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/17/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/18/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
10/19/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/20/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/21/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/22/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
10/23/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
10/24/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
10/25/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/26/1963	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
10/27/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/28/1963	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
10/29/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/30/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/31/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
11/1/1963	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
11/2/1963	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
11/3/1963	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/4/1963	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
11/5/1963	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
11/6/1963	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11

11/7/1963	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
11/8/1963	222	39%	1.63	0.16	0.28	0.97	0.98	0.22	0.49	0.12	0.46
11/9/1963	184	45%	1.41	0.14	0.24	0.84	0.85	0.19	0.42	0.10	0.43
11/10/1963	134	55%	1.06	0.00	0.18	0.63	0.64	0.00	0.32	0.00	0.37
11/11/1963	109	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.34
11/12/1963	115	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.35
11/13/1963	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
11/14/1963	88	66%	0.71	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.31
11/15/1963	78	69%	0.55	0.00	0.09	0.32	0.33	0.00	0.17	0.00	0.29
11/16/1963	72	70%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.27
11/17/1963	68	72%	0.43	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.26
11/18/1963	63	73%	0.38	0.00	0.06	0.22	0.23	0.00	0.11	0.00	0.25
11/19/1963	61	74%	0.36	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.25
11/20/1963	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
11/21/1963	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
11/22/1963	54	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.23
11/23/1963	57	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.24
11/24/1963	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
11/25/1963	95	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.32
11/26/1963	84	67%	0.65	0.00	0.11	0.38	0.38	0.00	0.19	0.00	0.30
11/27/1963	78	69%	0.55	0.00	0.09	0.32	0.33	0.00	0.17	0.00	0.29
11/28/1963	76	69%	0.53	0.00	0.09	0.31	0.31	0.00	0.16	0.00	0.28
11/29/1963	72	70%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.27
11/30/1963	156	51%	1.25	0.12	0.21	0.74	0.75	0.16	0.37	0.09	0.40
12/1/1963	204	41%	1.53	0.15	0.26	0.91	0.92	0.20	0.46	0.11	0.44
12/2/1963	166	48%	1.31	0.13	0.22	0.78	0.79	0.17	0.39	0.09	0.41
12/3/1963	152	51%	1.21	0.11	0.21	0.72	0.73	0.16	0.36	0.09	0.39
12/4/1963	141	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
12/5/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
12/6/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
12/7/1963	116	59%	0.92	0.00	0.16	0.54	0.55	0.00	0.27	0.00	0.35
12/8/1963	113	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.35
12/9/1963	253	34%	1.83	0.18	0.31	1.09	1.11	0.25	0.55	0.13	0.48
12/10/1963	348	24%	2.49	0.24	0.43	1.49	1.51	0.34	0.75	0.18	0.53
12/11/1963	278	31%	2.00	0.19	0.34	1.19	1.21	0.27	0.60	0.14	0.49

12/12/1963	228	38%	1.67	0.16	0.28	0.99	1.01	0.22	0.50	0.12	0.46
12/13/1963	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
12/14/1963	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
12/15/1963	150	52%	1.19	0.11	0.20	0.71	0.72	0.16	0.35	0.09	0.39
12/16/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
12/17/1963	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
12/18/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
12/19/1963	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
12/20/1963	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34
12/21/1963	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
12/22/1963	94	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.32
12/23/1963	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
12/24/1963	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
12/25/1963	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
12/26/1963	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
12/27/1963	88	66%	0.71	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.31
12/28/1963	88	66%	0.71	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.31
12/29/1963	86	67%	0.68	0.00	0.11	0.40	0.40	0.00	0.20	0.00	0.30
12/30/1963	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
12/31/1963	74	70%	0.50	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.28
1/1/1964	70	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.27
1/2/1964	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
1/3/1964	84	67%	0.65	0.00	0.11	0.38	0.38	0.00	0.19	0.00	0.30
1/4/1964	88	66%	0.71	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.31
1/5/1964	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
1/6/1964	84	67%	0.65	0.00	0.11	0.38	0.38	0.00	0.19	0.00	0.30
1/7/1964	86	67%	0.68	0.00	0.11	0.40	0.40	0.00	0.20	0.00	0.30
1/8/1964	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
1/9/1964	82	68%	0.61	0.00	0.10	0.36	0.36	0.00	0.18	0.00	0.29
1/10/1964	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
1/11/1964	140	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.38
1/12/1964	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
1/13/1964	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
1/14/1964	90	66%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.31
1/15/1964	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34

1/16/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
1/17/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
1/18/1964	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
1/19/1964	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34
1/20/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
1/21/1964	400	20%	2.78	0.27	0.48	1.67	1.70	0.37	0.84	0.20	0.55
1/22/1964	800	6%	5.81	0.58	1.04	3.54	3.59	0.81	1.77	0.43	0.66
1/23/1964	700	8%	5.09	0.50	0.90	3.10	3.14	0.70	1.54	0.37	0.64
1/24/1964	620	10%	4.53	0.44	0.80	2.75	2.79	0.62	1.36	0.33	0.62
1/25/1964	740	7%	5.38	0.53	0.96	3.27	3.32	0.74	1.63	0.39	0.65
1/26/1964	1700	1%	14.57	1.61	2.79	9.14	9.26	2.23	4.70	1.21	0.79
1/27/1964	1180	2%	9.02	0.95	1.68	5.57	5.64	1.32	2.83	0.71	0.73
1/28/1964	833	5%	6.05	0.61	1.08	3.69	3.74	0.84	1.84	0.45	0.67
1/29/1964	604	10%	4.41	0.43	0.78	2.68	2.71	0.60	1.33	0.32	0.62
1/30/1964	586	11%	4.25	0.41	0.75	2.58	2.61	0.58	1.28	0.31	0.61
1/31/1964	470	16%	3.34	0.32	0.58	2.01	2.04	0.45	1.00	0.24	0.58
2/1/1964	464	16%	3.29	0.32	0.57	1.98	2.01	0.44	0.99	0.24	0.58
2/2/1964	434	18%	3.04	0.29	0.53	1.83	1.86	0.41	0.91	0.22	0.56
2/3/1964	373	22%	2.63	0.25	0.45	1.58	1.60	0.35	0.79	0.19	0.54
2/4/1964	321	26%	2.31	0.22	0.40	1.38	1.40	0.31	0.70	0.17	0.52
2/5/1964	332	25%	2.39	0.23	0.41	1.43	1.45	0.32	0.72	0.17	0.52
2/6/1964	328	26%	2.36	0.23	0.41	1.41	1.43	0.32	0.71	0.17	0.52
2/7/1964	444	17%	3.12	0.30	0.54	1.88	1.91	0.42	0.94	0.22	0.57
2/8/1964	464	16%	3.29	0.32	0.57	1.98	2.01	0.44	0.99	0.24	0.58
2/9/1964	383	21%	2.68	0.26	0.46	1.61	1.63	0.36	0.81	0.19	0.54
2/10/1964	290	30%	2.09	0.20	0.36	1.25	1.26	0.28	0.63	0.15	0.50
2/11/1964	240	36%	1.75	0.17	0.30	1.04	1.06	0.24	0.53	0.13	0.47
2/12/1964	230	38%	1.68	0.16	0.29	1.00	1.01	0.23	0.51	0.12	0.46
2/13/1964	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
2/14/1964	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
2/15/1964	200	42%	1.51	0.14	0.26	0.90	0.91	0.20	0.45	0.11	0.44
2/16/1964	200	42%	1.51	0.14	0.26	0.90	0.91	0.20	0.45	0.11	0.44
2/17/1964	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
2/18/1964	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
2/19/1964	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40

2/20/1964	150	52%	1.19	0.11	0.20	0.71	0.72	0.16	0.35	0.09	0.39
2/21/1964	140	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.38
2/22/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
2/23/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
2/24/1964	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
2/25/1964	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
2/26/1964	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34
2/27/1964	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34
2/28/1964	100	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.33
2/29/1964	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
3/1/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
3/2/1964	143	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.38
3/3/1964	182	45%	1.40	0.13	0.24	0.83	0.84	0.19	0.42	0.10	0.42
3/4/1964	279	31%	2.01	0.19	0.34	1.20	1.21	0.27	0.61	0.15	0.49
3/5/1964	710	7%	5.16	0.51	0.92	3.14	3.18	0.71	1.56	0.38	0.64
3/6/1964	1280	2%	10.07	1.08	1.89	6.24	6.32	1.49	3.18	0.80	0.74
3/7/1964	879	5%	6.43	0.65	1.15	3.92	3.97	0.90	1.96	0.48	0.68
3/8/1964	722	7%	5.25	0.52	0.93	3.19	3.24	0.72	1.59	0.38	0.65
3/9/1964	700	8%	5.09	0.50	0.90	3.10	3.14	0.70	1.54	0.37	0.64
3/10/1964	1130	3%	8.54	0.90	1.58	5.27	5.34	1.24	2.67	0.66	0.72
3/11/1964	1510	1%	12.38	1.37	2.38	7.73	7.83	1.88	3.97	1.01	0.77
3/12/1964	1110	3%	8.38	0.88	1.55	5.16	5.23	1.21	2.61	0.65	0.72
3/13/1964	888	5%	6.50	0.66	1.17	3.97	4.02	0.91	1.99	0.49	0.68
3/14/1964	788	6%	5.73	0.57	1.02	3.49	3.54	0.79	1.74	0.42	0.66
3/15/1964	755	7%	5.48	0.54	0.98	3.34	3.38	0.76	1.66	0.40	0.65
3/16/1964	700	8%	5.09	0.50	0.90	3.10	3.14	0.70	1.54	0.37	0.64
3/17/1964	616	10%	4.51	0.44	0.80	2.74	2.77	0.61	1.36	0.33	0.62
3/18/1964	581	11%	4.21	0.41	0.74	2.55	2.58	0.57	1.27	0.30	0.61
3/19/1964	514	14%	3.68	0.36	0.64	2.22	2.25	0.50	1.11	0.27	0.59
3/20/1964	468	16%	3.32	0.32	0.58	2.00	2.03	0.45	1.00	0.24	0.58
3/21/1964	434	18%	3.04	0.29	0.53	1.83	1.86	0.41	0.91	0.22	0.56
3/22/1964	400	20%	2.78	0.27	0.48	1.67	1.70	0.37	0.84	0.20	0.55
3/23/1964	363	23%	2.57	0.25	0.44	1.54	1.56	0.35	0.77	0.18	0.54
3/24/1964	328	26%	2.36	0.23	0.41	1.41	1.43	0.32	0.71	0.17	0.52
3/25/1964	317	27%	2.28	0.22	0.39	1.36	1.38	0.31	0.69	0.17	0.51

3/26/1964	310	27%	2.23	0.22	0.38	1.33	1.35	0.30	0.67	0.16	0.51
3/27/1964	392	20%	2.73	0.26	0.47	1.64	1.67	0.37	0.82	0.20	0.55
3/28/1964	336	25%	2.42	0.23	0.42	1.45	1.47	0.33	0.73	0.17	0.52
3/29/1964	359	23%	2.54	0.25	0.44	1.53	1.55	0.34	0.77	0.18	0.53
3/30/1964	332	25%	2.39	0.23	0.41	1.43	1.45	0.32	0.72	0.17	0.52
3/31/1964	292	29%	2.10	0.20	0.36	1.26	1.27	0.28	0.64	0.15	0.50
4/1/1964	267	32%	1.93	0.19	0.33	1.15	1.16	0.26	0.58	0.14	0.49
4/2/1964	250	35%	1.81	0.18	0.31	1.08	1.09	0.24	0.55	0.13	0.48
4/3/1964	264	33%	1.91	0.18	0.33	1.14	1.15	0.26	0.58	0.14	0.48
4/4/1964	267	32%	1.93	0.19	0.33	1.15	1.16	0.26	0.58	0.14	0.49
4/5/1964	241	36%	1.76	0.17	0.30	1.05	1.06	0.24	0.53	0.13	0.47
4/6/1964	231	37%	1.69	0.16	0.29	1.01	1.02	0.23	0.51	0.12	0.46
4/7/1964	422	18%	2.95	0.28	0.51	1.78	1.80	0.40	0.89	0.21	0.56
4/8/1964	425	18%	2.97	0.29	0.51	1.79	1.81	0.40	0.89	0.21	0.56
4/9/1964	412	19%	2.88	0.28	0.50	1.73	1.76	0.39	0.87	0.21	0.56
4/10/1964	352	23%	2.51	0.24	0.43	1.50	1.52	0.34	0.76	0.18	0.53
4/11/1964	310	27%	2.23	0.22	0.38	1.33	1.35	0.30	0.67	0.16	0.51
4/12/1964	284	30%	2.04	0.20	0.35	1.22	1.24	0.28	0.62	0.15	0.50
4/13/1964	267	32%	1.93	0.19	0.33	1.15	1.16	0.26	0.58	0.14	0.49
4/14/1964	319	26%	2.30	0.22	0.39	1.37	1.39	0.31	0.69	0.17	0.51
4/15/1964	593	11%	4.31	0.42	0.76	2.61	2.65	0.59	1.30	0.31	0.62
4/16/1964	562	12%	4.05	0.39	0.71	2.45	2.48	0.55	1.22	0.29	0.61
4/17/1964	478	15%	3.41	0.33	0.59	2.05	2.08	0.46	1.02	0.25	0.58
4/18/1964	429	18%	3.00	0.29	0.52	1.81	1.83	0.40	0.90	0.22	0.56
4/19/1964	464	16%	3.29	0.32	0.57	1.98	2.01	0.44	0.99	0.24	0.58
4/20/1964	464	16%	3.29	0.32	0.57	1.98	2.01	0.44	0.99	0.24	0.58
4/21/1964	519	13%	3.71	0.36	0.65	2.24	2.27	0.50	1.12	0.27	0.59
4/22/1964	496	14%	3.55	0.34	0.62	2.14	2.17	0.48	1.07	0.26	0.59
4/23/1964	478	15%	3.41	0.33	0.59	2.05	2.08	0.46	1.02	0.25	0.58
4/24/1964	425	18%	2.97	0.29	0.51	1.79	1.81	0.40	0.89	0.21	0.56
4/25/1964	387	21%	2.70	0.26	0.47	1.63	1.65	0.36	0.81	0.19	0.55
4/26/1964	359	23%	2.54	0.25	0.44	1.53	1.55	0.34	0.77	0.18	0.53
4/27/1964	340	24%	2.44	0.24	0.42	1.46	1.48	0.33	0.74	0.18	0.53
4/28/1964	314	27%	2.26	0.22	0.39	1.35	1.37	0.30	0.68	0.16	0.51
4/29/1964	299	28%	2.15	0.21	0.37	1.29	1.30	0.29	0.65	0.16	0.50

4/30/1964	284	30%	2.04	0.20	0.35	1.22	1.24	0.28	0.62	0.15	0.50
5/1/1964	274	32%	1.97	0.19	0.34	1.18	1.19	0.27	0.60	0.14	0.49
5/2/1964	250	35%	1.81	0.18	0.31	1.08	1.09	0.24	0.55	0.13	0.48
5/3/1964	228	38%	1.67	0.16	0.28	0.99	1.01	0.22	0.50	0.12	0.46
5/4/1964	216	40%	1.60	0.15	0.27	0.95	0.96	0.21	0.48	0.12	0.45
5/5/1964	201	42%	1.51	0.15	0.26	0.90	0.91	0.20	0.45	0.11	0.44
5/6/1964	187	44%	1.43	0.14	0.24	0.85	0.86	0.19	0.43	0.10	0.43
5/7/1964	176	46%	1.37	0.13	0.23	0.81	0.82	0.18	0.41	0.10	0.42
5/8/1964	169	48%	1.33	0.13	0.23	0.79	0.80	0.18	0.39	0.10	0.41
5/9/1964	161	49%	1.29	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
5/10/1964	147	52%	1.17	0.00	0.20	0.69	0.70	0.00	0.35	0.00	0.39
5/11/1964	139	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.32	0.00	0.38
5/12/1964	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
5/13/1964	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
5/14/1964	139	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.32	0.00	0.38
5/15/1964	207	41%	1.55	0.15	0.26	0.92	0.93	0.21	0.46	0.11	0.44
5/16/1964	174	47%	1.36	0.13	0.23	0.81	0.82	0.18	0.40	0.10	0.42
5/17/1964	143	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.38
5/18/1964	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
5/19/1964	113	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.35
5/20/1964	132	56%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.37
5/21/1964	116	59%	0.92	0.00	0.16	0.54	0.55	0.00	0.27	0.00	0.35
5/22/1964	104	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.33
5/23/1964	93	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.31
5/24/1964	87	66%	0.69	0.00	0.12	0.41	0.41	0.00	0.21	0.00	0.30
5/25/1964	81	68%	0.59	0.00	0.10	0.35	0.35	0.00	0.18	0.00	0.29
5/26/1964	72	70%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.27
5/27/1964	68	72%	0.43	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.26
5/28/1964	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
5/29/1964	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
5/30/1964	57	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.24
5/31/1964	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
6/1/1964	54	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.23
6/2/1964	52	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.22
6/3/1964	51	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.22

6/4/1964	55	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
6/5/1964	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
6/6/1964	54	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.23
6/7/1964	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
6/8/1964	78	69%	0.55	0.00	0.09	0.32	0.33	0.00	0.17	0.00	0.29
6/9/1964	71	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.27
6/10/1964	61	74%	0.36	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.25
6/11/1964	51	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.22
6/12/1964	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
6/13/1964	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
6/14/1964	45	79%	0.22	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.20
6/15/1964	42	81%	0.20	0.00	0.03	0.11	0.12	0.00	0.06	0.00	0.19
6/16/1964	41	81%	0.19	0.00	0.03	0.11	0.11	0.00	0.06	0.00	0.18
6/17/1964	39	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
6/18/1964	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
6/19/1964	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
6/20/1964	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
6/21/1964	37	83%	0.16	0.00	0.03	0.09	0.09	0.00	0.05	0.00	0.17
6/22/1964	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
6/23/1964	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
6/24/1964	43	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
6/25/1964	54	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.23
6/26/1964	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/27/1964	39	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
6/28/1964	34	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.15
6/29/1964	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
6/30/1964	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
7/1/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
7/2/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
7/3/1964	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
7/4/1964	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
7/5/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
7/6/1964	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
7/7/1964	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
7/8/1964	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07

7/9/1964	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
7/10/1964	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
7/11/1964	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
7/12/1964	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
7/13/1964	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
7/14/1964	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
7/15/1964	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
7/16/1964	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
7/17/1964	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
7/18/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
7/19/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
7/20/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
7/21/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
7/22/1964	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
7/23/1964	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
7/24/1964	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
7/25/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
7/26/1964	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
7/27/1964	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
7/28/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
7/29/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
7/30/1964	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
7/31/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
8/1/1964	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
8/2/1964	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
8/3/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
8/4/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
8/5/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
8/6/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
8/7/1964	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
8/8/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
8/9/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
8/10/1964	9.8	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
8/11/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
8/12/1964	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03

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9/17/1964	3.9	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
9/18/1964	3.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23
9/19/1964	2.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.29
9/20/1964	1.2	#N/A	0.00	0.00	#N/A	#N/A	#N/A	0.00	0.00	0.00	-0.39
9/21/1964	3.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23
9/22/1964	4.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19
9/23/1964	4.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19
9/24/1964	3.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.23
9/25/1964	2.7	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.26
9/26/1964	1.9	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.32
9/27/1964	1.9	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.32
9/28/1964	1.6	#N/A	0.00	0.00	#N/A	#N/A	#N/A	0.00	0.00	0.00	-0.34
9/29/1964	2.4	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.28
9/30/1964	3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.24
10/1/1964	3.9	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
10/2/1964	4.8	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17
10/3/1964	5.7	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.14
10/4/1964	6.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12
10/5/1964	6.7	99%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11
10/6/1964	7	99%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
10/7/1964	6	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13
10/8/1964	6	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13
10/9/1964	5.7	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.14
10/10/1964	5.4	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15
10/11/1964	5.7	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.14
10/12/1964	6.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12
10/13/1964	6.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12
10/14/1964	6	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13
10/15/1964	6	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13
10/16/1964	6.3	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.12
10/17/1964	7	99%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
10/18/1964	7.4	99%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
10/19/1964	8	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.08
10/20/1964	8.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.08
10/21/1964	8.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.08

10/22/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
10/23/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
10/24/1964	9.1	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
10/25/1964	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
10/26/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
10/27/1964	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
10/28/1964	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
10/29/1964	9.1	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
10/30/1964	9.1	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
10/31/1964	9.1	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/1/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
11/2/1964	9.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/3/1964	9.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/4/1964	7.4	99%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
11/5/1964	8.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.08
11/6/1964	9.1	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/7/1964	9.8	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
11/8/1964	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
11/9/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
11/10/1964	9.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/11/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
11/12/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
11/13/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
11/14/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
11/15/1964	9.1	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/16/1964	9.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.06
11/17/1964	8.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.07
11/18/1964	8	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.08
11/19/1964	8.4	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.08
11/20/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
11/21/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
11/22/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
11/23/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
11/24/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
11/25/1964	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03

11/26/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
11/27/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
11/28/1964	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
11/29/1964	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
11/30/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
12/1/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
12/2/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
12/3/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
12/4/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
12/5/1964	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
12/6/1964	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
12/7/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
12/8/1964	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
12/9/1964	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
12/10/1964	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
12/11/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
12/12/1964	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
12/13/1964	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
12/14/1964	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
12/15/1964	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
12/16/1964	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
12/17/1964	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
12/18/1964	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
12/19/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
12/20/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
12/21/1964	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
12/22/1964	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
12/23/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
12/24/1964	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
12/25/1964	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
12/26/1964	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
12/27/1964	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
12/28/1964	60	74%	0.35	0.00	0.06	0.20	0.21	0.00	0.11	0.00	0.24
12/29/1964	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
12/30/1964	52	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.22

12/31/1964	43	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
1/1/1965	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
1/2/1965	28	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.12
1/3/1965	31	86%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
1/4/1965	32	85%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
1/5/1965	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
1/6/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
1/7/1965	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
1/8/1965	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
1/9/1965	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
1/10/1965	43	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
1/11/1965	39	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
1/12/1965	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
1/13/1965	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
1/14/1965	32	85%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
1/15/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
1/16/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
1/17/1965	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
1/18/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
1/19/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
1/20/1965	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
1/21/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
1/22/1965	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
1/23/1965	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
1/24/1965	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
1/25/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
1/26/1965	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
1/27/1965	31	86%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
1/28/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
1/29/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
1/30/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
1/31/1965	20	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
2/1/1965	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
2/2/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
2/3/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09

2/4/1965	25	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.10
2/5/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
2/6/1965	28	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.12
2/7/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
2/8/1965	260	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.48
2/9/1965	828	5%	6.01	0.60	1.08	3.67	3.72	0.84	1.83	0.45	0.67
2/10/1965	652	9%	4.75	0.46	0.84	2.88	2.92	0.65	1.43	0.35	0.63
2/11/1965	533	13%	3.82	0.37	0.67	2.31	2.34	0.52	1.15	0.28	0.60
2/12/1965	505	14%	3.62	0.35	0.63	2.18	2.21	0.49	1.09	0.26	0.59
2/13/1965	478	15%	3.41	0.33	0.59	2.05	2.08	0.46	1.02	0.25	0.58
2/14/1965	380	21%	2.66	0.26	0.46	1.60	1.62	0.36	0.80	0.19	0.54
2/15/1965	310	27%	2.23	0.22	0.38	1.33	1.35	0.30	0.67	0.16	0.51
2/16/1965	270	32%	1.94	0.19	0.33	1.16	1.18	0.26	0.59	0.14	0.49
2/17/1965	250	35%	1.81	0.18	0.31	1.08	1.09	0.24	0.55	0.13	0.48
2/18/1965	230	38%	1.68	0.16	0.29	1.00	1.01	0.23	0.51	0.12	0.46
2/19/1965	215	40%	1.59	0.15	0.27	0.95	0.96	0.21	0.48	0.11	0.45
2/20/1965	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
2/21/1965	150	52%	1.19	0.11	0.20	0.71	0.72	0.16	0.35	0.09	0.39
2/22/1965	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
2/23/1965	115	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.35
2/24/1965	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
2/25/1965	155	51%	1.24	0.12	0.21	0.74	0.75	0.16	0.37	0.09	0.40
2/26/1965	321	26%	2.31	0.22	0.40	1.38	1.40	0.31	0.70	0.17	0.52
2/27/1965	234	37%	1.71	0.17	0.29	1.02	1.03	0.23	0.52	0.12	0.46
2/28/1965	198	42%	1.49	0.14	0.25	0.89	0.90	0.20	0.45	0.11	0.44
3/1/1965	165	49%	1.31	0.12	0.22	0.78	0.79	0.17	0.39	0.09	0.41
3/2/1965	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
3/3/1965	160	50%	1.28	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
3/4/1965	159	50%	1.27	0.12	0.22	0.75	0.76	0.17	0.38	0.09	0.40
3/5/1965	171	47%	1.34	0.13	0.23	0.80	0.81	0.18	0.40	0.10	0.41
3/6/1965	278	31%	2.00	0.19	0.34	1.19	1.21	0.27	0.60	0.14	0.49
3/7/1965	278	31%	2.00	0.19	0.34	1.19	1.21	0.27	0.60	0.14	0.49
3/8/1965	254	34%	1.84	0.18	0.31	1.10	1.11	0.25	0.56	0.13	0.48
3/9/1965	234	37%	1.71	0.17	0.29	1.02	1.03	0.23	0.52	0.12	0.46
3/10/1965	222	39%	1.63	0.16	0.28	0.97	0.98	0.22	0.49	0.12	0.46

3/11/1965	222	39%	1.63	0.16	0.28	0.97	0.98	0.22	0.49	0.12	0.46
3/12/1965	198	42%	1.49	0.14	0.25	0.89	0.90	0.20	0.45	0.11	0.44
3/13/1965	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
3/14/1965	161	49%	1.29	0.12	0.22	0.76	0.77	0.17	0.38	0.09	0.40
3/15/1965	157	50%	1.26	0.12	0.21	0.74	0.75	0.17	0.37	0.09	0.40
3/16/1965	154	51%	1.23	0.12	0.21	0.73	0.74	0.16	0.37	0.09	0.40
3/17/1965	147	52%	1.17	0.00	0.20	0.69	0.70	0.00	0.35	0.00	0.39
3/18/1965	145	53%	1.15	0.00	0.20	0.68	0.69	0.00	0.34	0.00	0.39
3/19/1965	152	51%	1.21	0.11	0.21	0.72	0.73	0.16	0.36	0.09	0.39
3/20/1965	150	52%	1.19	0.11	0.20	0.71	0.72	0.16	0.35	0.09	0.39
3/21/1965	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
3/22/1965	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
3/23/1965	136	55%	1.08	0.00	0.18	0.64	0.64	0.00	0.32	0.00	0.38
3/24/1965	141	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
3/25/1965	141	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
3/26/1965	141	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.38
3/27/1965	147	52%	1.17	0.00	0.20	0.69	0.70	0.00	0.35	0.00	0.39
3/28/1965	136	55%	1.08	0.00	0.18	0.64	0.64	0.00	0.32	0.00	0.38
3/29/1965	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
3/30/1965	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
3/31/1965	120	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.36
4/1/1965	110	61%	0.88	0.00	0.15	0.52	0.52	0.00	0.26	0.00	0.34
4/2/1965	109	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.34
4/3/1965	113	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.35
4/4/1965	102	63%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.33
4/5/1965	95	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.32
4/6/1965	92	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.31
4/7/1965	104	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.33
4/8/1965	143	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.38
4/9/1965	132	56%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.37
4/10/1965	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
4/11/1965	115	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.35
4/12/1965	143	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.38
4/13/1965	174	47%	1.36	0.13	0.23	0.81	0.82	0.18	0.40	0.10	0.42
4/14/1965	147	52%	1.17	0.00	0.20	0.69	0.70	0.00	0.35	0.00	0.39

4/15/1965	136	55%	1.08	0.00	0.18	0.64	0.64	0.00	0.32	0.00	0.38
4/16/1965	184	45%	1.41	0.14	0.24	0.84	0.85	0.19	0.42	0.10	0.43
4/17/1965	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
4/18/1965	184	45%	1.41	0.14	0.24	0.84	0.85	0.19	0.42	0.10	0.43
4/19/1965	204	41%	1.53	0.15	0.26	0.91	0.92	0.20	0.46	0.11	0.44
4/20/1965	225	38%	1.65	0.16	0.28	0.98	0.99	0.22	0.50	0.12	0.46
4/21/1965	207	41%	1.55	0.15	0.26	0.92	0.93	0.21	0.46	0.11	0.44
4/22/1965	190	44%	1.44	0.14	0.25	0.86	0.87	0.19	0.43	0.10	0.43
4/23/1965	176	46%	1.37	0.13	0.23	0.81	0.82	0.18	0.41	0.10	0.42
4/24/1965	169	48%	1.33	0.13	0.23	0.79	0.80	0.18	0.39	0.10	0.41
4/25/1965	159	50%	1.27	0.12	0.22	0.75	0.76	0.17	0.38	0.09	0.40
4/26/1965	179	46%	1.38	0.13	0.24	0.82	0.83	0.18	0.41	0.10	0.42
4/27/1965	224	38%	1.64	0.16	0.28	0.98	0.99	0.22	0.49	0.12	0.46
4/28/1965	196	43%	1.48	0.14	0.25	0.88	0.89	0.20	0.44	0.11	0.44
4/29/1965	176	46%	1.37	0.13	0.23	0.81	0.82	0.18	0.41	0.10	0.42
4/30/1965	158	50%	1.26	0.12	0.22	0.75	0.76	0.17	0.37	0.09	0.40
5/1/1965	146	53%	1.16	0.00	0.20	0.68	0.69	0.00	0.34	0.00	0.39
5/2/1965	135	55%	1.07	0.00	0.18	0.63	0.64	0.00	0.32	0.00	0.38
5/3/1965	128	56%	1.02	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.37
5/4/1965	124	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.36
5/5/1965	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
5/6/1965	128	56%	1.02	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.37
5/7/1965	122	58%	0.98	0.00	0.16	0.58	0.58	0.00	0.29	0.00	0.36
5/8/1965	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
5/9/1965	126	57%	1.00	0.00	0.17	0.59	0.60	0.00	0.30	0.00	0.36
5/10/1965	130	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.37
5/11/1965	180	46%	1.39	0.13	0.24	0.83	0.84	0.18	0.41	0.10	0.42
5/12/1965	143	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.38
5/13/1965	122	58%	0.98	0.00	0.16	0.58	0.58	0.00	0.29	0.00	0.36
5/14/1965	109	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.34
5/15/1965	99	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.33
5/16/1965	92	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.31
5/17/1965	94	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.32
5/18/1965	106	62%	0.86	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.34
5/19/1965	96	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.32

5/20/1965	86	67%	0.68	0.00	0.11	0.40	0.40	0.00	0.20	0.00	0.30
5/21/1965	78	69%	0.55	0.00	0.09	0.32	0.33	0.00	0.17	0.00	0.29
5/22/1965	72	70%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.27
5/23/1965	67	72%	0.42	0.00	0.07	0.24	0.25	0.00	0.12	0.00	0.26
5/24/1965	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
5/25/1965	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
5/26/1965	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
5/27/1965	54	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.23
5/28/1965	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
5/29/1965	59	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.24
5/30/1965	54	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.23
5/31/1965	50	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/1/1965	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
6/2/1965	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/3/1965	72	70%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.27
6/4/1965	71	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.27
6/5/1965	57	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.24
6/6/1965	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
6/7/1965	43	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
6/8/1965	39	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
6/9/1965	38	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
6/10/1965	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
6/11/1965	32	85%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
6/12/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
6/13/1965	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
6/14/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
6/15/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
6/16/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
6/17/1965	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
6/18/1965	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
6/19/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
6/20/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
6/21/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
6/22/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
6/23/1965	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04

[illegible]

7/29/1965	5.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.15
7/30/1965	4.5	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18
7/31/1965	4.8	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17
8/1/1965	4.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19
8/2/1965	4.5	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18
8/3/1965	4.8	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17
8/4/1965	4.5	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18
8/5/1965	4.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19
8/6/1965	4.2	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.19
8/7/1965	4	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
8/8/1965	4	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
8/9/1965	5.9	100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13
8/10/1965	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
8/11/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
8/12/1965	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
8/13/1965	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
8/14/1965	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
8/15/1965	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
8/16/1965	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
8/17/1965	9.6	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
8/18/1965	9.6	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
8/19/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
8/20/1965	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
8/21/1965	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
8/22/1965	28	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.12
8/23/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
8/24/1965	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
8/25/1965	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
8/26/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
8/27/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
8/28/1965	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
8/29/1965	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
8/30/1965	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
8/31/1965	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/1/1965	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00

9/2/1965	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/3/1965	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/4/1965	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/5/1965	15	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.02
9/6/1965	14	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.01
9/7/1965	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/8/1965	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/9/1965	12	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.02
9/10/1965	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
9/11/1965	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
9/12/1965	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
9/13/1965	10	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.05
9/14/1965	11	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.03
9/15/1965	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
9/16/1965	16	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.03
9/17/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
9/18/1965	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
9/19/1965	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
9/20/1965	19	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.06
9/21/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
9/22/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
9/23/1965	17	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.04
9/24/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
9/25/1965	28	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.12
9/26/1965	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
9/27/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
9/28/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
9/29/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
9/30/1965	18	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.05
10/1/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
10/2/1965	38	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
10/3/1965	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
10/4/1965	38	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
10/5/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
10/6/1965	28	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.12

10/7/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/8/1965	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
10/9/1965	34	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.15
10/10/1965	39	82%	0.17	0.00	0.03	0.10	0.10	0.00	0.05	0.00	0.17
10/11/1965	34	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.15
10/12/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
10/13/1965	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
10/14/1965	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
10/15/1965	32	85%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
10/16/1965	31	86%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
10/17/1965	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
10/18/1965	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
10/19/1965	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
10/20/1965	29	87%	0.10	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
10/21/1965	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/22/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/23/1965	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/24/1965	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/25/1965	26	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
10/26/1965	24	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.10
10/27/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
10/28/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
10/29/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
10/30/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
10/31/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/1/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
11/2/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/3/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/4/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/5/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
11/6/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
11/7/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/8/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/9/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07
11/10/1965	21	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.07

11/11/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/12/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/13/1965	22	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.08
11/14/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
11/15/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
11/16/1965	23	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.09
11/17/1965	27	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.11
11/18/1965	35	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.16
11/19/1965	36	83%	0.15	0.00	0.02	0.09	0.09	0.00	0.05	0.00	0.16
11/20/1965	33	85%	0.13	0.00	0.02	0.07	0.08	0.00	0.04	0.00	0.15
11/21/1965	32	85%	0.12	0.00	0.02	0.07	0.07	0.00	0.04	0.00	0.14
11/22/1965	30	86%	0.11	0.00	0.02	0.06	0.06	0.00	0.03	0.00	0.13
11/23/1965	34	84%	0.14	0.00	0.02	0.08	0.08	0.00	0.04	0.00	0.15
11/24/1965	48	78%	0.25	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.21
11/25/1965	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
11/26/1965	43	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
11/27/1965	42	81%	0.20	0.00	0.03	0.11	0.12	0.00	0.06	0.00	0.19
11/28/1965	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
11/29/1965	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
11/30/1965	58	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.24
12/1/1965	56	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.23
12/2/1965	51	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.22
12/3/1965	49	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.21
12/4/1965	48	78%	0.25	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.21
12/5/1965	48	78%	0.25	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.21
12/6/1965	48	78%	0.25	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.21
12/7/1965	47	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
12/8/1965	44	80%	0.21	0.00	0.03	0.12	0.12	0.00	0.06	0.00	0.19
12/9/1965	42	81%	0.20	0.00	0.03	0.11	0.12	0.00	0.06	0.00	0.19
12/10/1965	41	81%	0.19	0.00	0.03	0.11	0.11	0.00	0.06	0.00	0.18
12/11/1965	41	81%	0.19	0.00	0.03	0.11	0.11	0.00	0.06	0.00	0.18
12/12/1965	45	79%	0.22	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.20
12/13/1965	57	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.24
12/14/1965	97	64%	0.80	0.00	0.13	0.47	0.48	0.00	0.24	0.00	0.32
12/15/1965	113	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.35

12/16/1965	111	61%	0.89	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.34
12/17/1965	106	62%	0.86	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.34
12/18/1965	99	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.33
12/19/1965	92	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.31
12/20/1965	80	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.29
12/21/1965	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
12/22/1965	64	73%	0.39	0.00	0.06	0.23	0.23	0.00	0.12	0.00	0.25
12/23/1965	67	72%	0.42	0.00	0.07	0.24	0.25	0.00	0.12	0.00	0.26
12/24/1965	62	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.25
12/25/1965	81	68%	0.59	0.00	0.10	0.35	0.35	0.00	0.18	0.00	0.29
12/26/1965	314	27%	2.26	0.22	0.39	1.35	1.37	0.30	0.68	0.16	0.51
12/27/1965	215	40%	1.59	0.15	0.27	0.95	0.96	0.21	0.48	0.11	0.45
12/28/1965	210	40%	1.56	0.15	0.27	0.93	0.94	0.21	0.47	0.11	0.45
12/29/1965	170	48%	1.34	0.13	0.23	0.79	0.80	0.18	0.40	0.10	0.41
12/30/1965	148	52%	1.17	0.11	0.20	0.69	0.70	0.15	0.35	0.08	0.39
12/31/1965	146	53%	1.16	0.00	0.20	0.68	0.69	0.00	0.34	0.00	0.39

**Daily Stream Flow Data for
Recent Period (2015-2017)**

Date	Ramapo Flow (CFS)	Flow Duration	Flow At MZ-1 (CFS)	Flow At MZ-2 (CFS)	Flow At MB-1 (CFS)	Flow At MB-2 (CFS)	Flow At MB-3 (CFS)	Flow At CG-1 (CFS)	Flow At CG-2 (CFS)	Flow at CG-3 (CFS)	Difference Between MB-1 and MB-2 (CFS)
1/1/2015	126	40%	1.58	0.00	0.27	0.94	0.95	0.00	0.47	0.00	0.19
1/2/2015	115	43%	1.46	0.00	0.25	0.87	0.88	0.00	0.44	0.00	0.18
1/3/2015	111	45%	1.42	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.19
1/4/2015	179	28%	2.21	0.21	0.38	1.32	1.34	0.30	0.67	0.16	0.30
1/5/2015	196	25%	2.43	0.23	0.42	1.45	1.47	0.33	0.73	0.18	0.25
1/6/2015	171	29%	2.12	0.20	0.36	1.26	1.28	0.29	0.64	0.15	0.21
1/7/2015	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.20
1/8/2015	125	40%	1.57	0.00	0.27	0.93	0.95	0.00	0.47	0.00	0.19
1/9/2015	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.19
1/10/2015	102	48%	1.32	0.00	0.23	0.78	0.80	0.00	0.39	0.00	0.19
1/11/2015	91.1	52%	1.18	0.00	0.20	0.70	0.71	0.00	0.35	0.00	0.20
1/12/2015	102	48%	1.32	0.00	0.23	0.78	0.80	0.00	0.39	0.00	0.20
1/13/2015	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.21
1/14/2015	89.6	53%	1.15	0.00	0.20	0.68	0.69	0.00	0.34	0.00	0.20
1/15/2015	78.9	57%	0.99	0.00	0.17	0.59	0.59	0.00	0.29	0.00	0.18
1/16/2015	74	59%	0.92	0.00	0.16	0.54	0.55	0.00	0.27	0.00	0.17
1/17/2015	67.4	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.18
1/18/2015	140	36%	1.75	0.00	0.30	1.04	1.06	0.00	0.53	0.00	0.52
1/19/2015	381	9%	4.71	0.46	0.83	2.86	2.90	0.64	1.42	0.34	0.60
1/20/2015	230	20%	2.81	0.27	0.49	1.69	1.71	0.38	0.84	0.20	0.27
1/21/2015	162	31%	2.01	0.19	0.34	1.20	1.21	0.27	0.61	0.15	0.25
1/22/2015	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.24
1/23/2015	122	41%	1.54	0.00	0.26	0.92	0.93	0.00	0.46	0.00	0.23
1/24/2015	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.23
1/25/2015	129	39%	1.62	0.00	0.28	0.96	0.98	0.00	0.49	0.00	0.23
1/26/2015	116	43%	1.47	0.00	0.25	0.87	0.89	0.00	0.44	0.00	0.21
1/27/2015	111	45%	1.42	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.21
1/28/2015	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.21
1/29/2015	103	48%	1.33	0.00	0.23	0.79	0.80	0.00	0.40	0.00	0.21
1/30/2015	97.9	50%	1.28	0.00	0.22	0.76	0.77	0.00	0.38	0.00	0.20
1/31/2015	95	51%	1.24	0.00	0.21	0.74	0.75	0.00	0.37	0.00	0.20

2/1/2015	87.2	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.19
2/2/2015	87.4	54%	1.12	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.19
2/3/2015	86.1	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.18
2/4/2015	83.6	55%	1.06	0.00	0.18	0.63	0.63	0.00	0.31	0.00	0.17
2/5/2015	80.7	56%	1.02	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.17
2/6/2015	77.1	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.16
2/7/2015	75.2	59%	0.94	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.16
2/8/2015	74.2	59%	0.93	0.00	0.16	0.55	0.55	0.00	0.27	0.00	0.16
2/9/2015	72.6	60%	0.91	0.00	0.15	0.54	0.54	0.00	0.27	0.00	0.16
2/10/2015	72	60%	0.90	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.16
2/11/2015	70.5	61%	0.89	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.16
2/12/2015	69.5	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.16
2/13/2015	69.2	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.15
2/14/2015	67.3	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.15
2/15/2015	65.8	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.15
2/16/2015	64.8	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.14
2/17/2015	63.8	64%	0.82	0.00	0.14	0.48	0.48	0.00	0.24	0.00	0.14
2/18/2015	62.7	64%	0.81	0.00	0.13	0.47	0.48	0.00	0.24	0.00	0.14
2/19/2015	60.5	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.14
2/20/2015	58.8	65%	0.75	0.00	0.13	0.44	0.45	0.00	0.22	0.00	0.14
2/21/2015	56.1	66%	0.69	0.00	0.12	0.40	0.41	0.00	0.21	0.00	0.14
2/22/2015	54.5	67%	0.66	0.00	0.11	0.38	0.39	0.00	0.20	0.00	0.14
2/23/2015	54.2	67%	0.65	0.00	0.11	0.38	0.39	0.00	0.19	0.00	0.14
2/24/2015	52.2	68%	0.61	0.00	0.10	0.36	0.36	0.00	0.18	0.00	0.14
2/25/2015	50.3	68%	0.57	0.00	0.09	0.33	0.34	0.00	0.17	0.00	0.14
2/26/2015	48.6	69%	0.53	0.00	0.09	0.31	0.32	0.00	0.16	0.00	0.14
2/27/2015	46.4	70%	0.49	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.14
2/28/2015	44	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.14
3/1/2015	43.7	71%	0.45	0.00	0.07	0.26	0.27	0.00	0.13	0.00	0.14
3/2/2015	48.3	69%	0.53	0.00	0.09	0.31	0.31	0.00	0.16	0.00	0.14
3/3/2015	48.6	69%	0.53	0.00	0.09	0.31	0.32	0.00	0.16	0.00	0.14
3/4/2015	71.4	60%	0.90	0.00	0.15	0.53	0.53	0.00	0.27	0.00	0.15
3/5/2015	91	52%	1.18	0.00	0.20	0.70	0.71	0.00	0.35	0.00	0.16
3/6/2015	94.3	51%	1.23	0.00	0.21	0.73	0.74	0.00	0.36	0.00	0.16
3/7/2015	80.1	57%	1.01	0.00	0.17	0.60	0.60	0.00	0.30	0.00	0.15

3/8/2015	69.8	61%	0.88	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.15
3/9/2015	76.3	58%	0.95	0.00	0.16	0.56	0.57	0.00	0.28	0.00	0.16
3/10/2015	93.6	51%	1.22	0.00	0.21	0.72	0.73	0.00	0.36	0.00	0.17
3/11/2015	190	26%	2.35	0.23	0.40	1.41	1.43	0.32	0.71	0.17	0.21
3/12/2015	344	11%	4.33	0.42	0.76	2.63	2.66	0.59	1.30	0.31	0.23
3/13/2015	310	12%	3.90	0.38	0.68	2.36	2.39	0.53	1.17	0.28	0.23
3/14/2015	378	9%	4.69	0.46	0.83	2.84	2.88	0.64	1.41	0.34	0.24
3/15/2015	596	4%	6.85	0.70	1.24	4.19	4.25	0.97	2.10	0.52	0.28
3/16/2015	548	5%	6.34	0.64	1.14	3.87	3.92	0.89	1.94	0.47	0.36
3/17/2015	544	5%	6.30	0.63	1.13	3.84	3.90	0.88	1.92	0.47	0.38
3/18/2015	619	4%	7.10	0.73	1.29	4.35	4.40	1.00	2.18	0.54	0.39
3/19/2015	458	7%	5.43	0.54	0.97	3.31	3.35	0.75	1.65	0.40	0.37
3/20/2015	355	10%	4.49	0.44	0.79	2.72	2.76	0.61	1.35	0.32	0.36
3/21/2015	304	13%	3.83	0.37	0.67	2.31	2.34	0.52	1.15	0.28	0.34
3/22/2015	276	15%	3.47	0.34	0.60	2.09	2.12	0.47	1.04	0.25	0.32
3/23/2015	235	19%	2.88	0.28	0.50	1.73	1.76	0.39	0.87	0.21	0.29
3/24/2015	208	23%	2.56	0.25	0.44	1.53	1.56	0.34	0.77	0.18	0.27
3/25/2015	197	25%	2.44	0.24	0.42	1.46	1.48	0.33	0.74	0.18	0.27
3/26/2015	226	20%	2.76	0.27	0.48	1.66	1.68	0.37	0.83	0.20	0.33
3/27/2015	515	5%	5.99	0.60	1.07	3.65	3.70	0.83	1.82	0.44	0.49
3/28/2015	516	5%	6.00	0.60	1.07	3.66	3.71	0.83	1.83	0.44	0.41
3/29/2015	381	9%	4.71	0.46	0.83	2.86	2.90	0.64	1.42	0.34	0.38
3/30/2015	322	12%	4.05	0.39	0.71	2.45	2.49	0.55	1.22	0.29	0.39
3/31/2015	301	13%	3.79	0.37	0.66	2.29	2.32	0.51	1.14	0.27	0.39
4/1/2015	279	15%	3.50	0.34	0.61	2.11	2.14	0.47	1.05	0.25	0.38
4/2/2015	257	17%	3.18	0.31	0.55	1.92	1.94	0.43	0.96	0.23	0.41
4/3/2015	269	15%	3.37	0.33	0.58	2.03	2.06	0.45	1.01	0.24	0.48
4/4/2015	347	10%	4.37	0.43	0.77	2.65	2.69	0.59	1.32	0.32	0.64
4/5/2015	333	11%	4.18	0.41	0.74	2.53	2.57	0.57	1.26	0.30	0.54
4/6/2015	271	15%	3.40	0.33	0.59	2.05	2.07	0.46	1.02	0.24	0.47
4/7/2015	234	19%	2.87	0.28	0.50	1.73	1.75	0.39	0.86	0.21	0.45
4/8/2015	217	21%	2.66	0.26	0.46	1.60	1.62	0.36	0.80	0.19	0.41
4/9/2015	196	25%	2.43	0.23	0.42	1.45	1.47	0.33	0.73	0.18	0.39
4/10/2015	220	21%	2.70	0.26	0.47	1.62	1.64	0.36	0.81	0.19	0.42
4/11/2015	226	20%	2.76	0.27	0.48	1.66	1.68	0.37	0.83	0.20	0.34

4/12/2015	186	26%	2.30	0.22	0.40	1.38	1.40	0.31	0.70	0.17	0.29
4/13/2015	163	31%	2.02	0.20	0.35	1.20	1.22	0.27	0.61	0.15	0.27
4/14/2015	152	33%	1.89	0.18	0.32	1.13	1.14	0.26	0.57	0.14	0.27
4/15/2015	142	36%	1.78	0.00	0.30	1.06	1.07	0.00	0.54	0.00	0.24
4/16/2015	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.22
4/17/2015	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.24
4/18/2015	125	40%	1.57	0.00	0.27	0.93	0.95	0.00	0.47	0.00	0.22
4/19/2015	110	45%	1.41	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.20
4/20/2015	160	31%	1.99	0.19	0.34	1.18	1.20	0.27	0.60	0.14	0.36
4/21/2015	268	16%	3.35	0.32	0.58	2.02	2.05	0.45	1.01	0.24	0.40
4/22/2015	214	22%	2.62	0.25	0.45	1.57	1.60	0.35	0.79	0.19	0.33
4/23/2015	176	28%	2.17	0.21	0.37	1.30	1.32	0.29	0.66	0.16	0.32
4/24/2015	151	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.29
4/25/2015	132	38%	1.65	0.00	0.28	0.98	1.00	0.00	0.50	0.00	0.27
4/26/2015	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.26
4/27/2015	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.25
4/28/2015	120	42%	1.52	0.00	0.26	0.90	0.91	0.00	0.45	0.00	0.24
4/29/2015	112	44%	1.43	0.00	0.24	0.85	0.86	0.00	0.43	0.00	0.23
4/30/2015	104	47%	1.34	0.00	0.23	0.80	0.81	0.00	0.40	0.00	0.22
5/1/2015	104	47%	1.34	0.00	0.23	0.80	0.81	0.00	0.40	0.00	0.22
5/2/2015	101	48%	1.31	0.00	0.22	0.78	0.79	0.00	0.39	0.00	0.21
5/3/2015	94.9	51%	1.24	0.00	0.21	0.73	0.74	0.00	0.37	0.00	0.20
5/4/2015	91.2	52%	1.18	0.00	0.20	0.70	0.71	0.00	0.35	0.00	0.19
5/5/2015	86.1	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.33	0.00	0.19
5/6/2015	83	55%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.19
5/7/2015	79.9	57%	1.01	0.00	0.17	0.59	0.60	0.00	0.30	0.00	0.18
5/8/2015	76.5	58%	0.96	0.00	0.16	0.56	0.57	0.00	0.28	0.00	0.17
5/9/2015	72.1	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.17
5/10/2015	67.6	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.17
5/11/2015	63.5	64%	0.81	0.00	0.14	0.48	0.48	0.00	0.24	0.00	0.17
5/12/2015	57.4	66%	0.72	0.00	0.12	0.42	0.43	0.00	0.21	0.00	0.16
5/13/2015	51.3	68%	0.59	0.00	0.10	0.34	0.35	0.00	0.18	0.00	0.15
5/14/2015	47.2	70%	0.51	0.00	0.08	0.30	0.30	0.00	0.15	0.00	0.14
5/15/2015	43.1	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.14
5/16/2015	50.9	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.19

5/17/2015	145	35%	1.81	0.00	0.31	1.08	1.09	0.00	0.55	0.00	0.20
5/18/2015	114	44%	1.45	0.00	0.25	0.86	0.87	0.00	0.43	0.00	0.16
5/19/2015	94.9	51%	1.24	0.00	0.21	0.73	0.74	0.00	0.37	0.00	0.16
5/20/2015	76.2	58%	0.95	0.00	0.16	0.56	0.57	0.00	0.28	0.00	0.15
5/21/2015	61.5	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.14
5/22/2015	52.3	68%	0.61	0.00	0.10	0.36	0.36	0.00	0.18	0.00	0.14
5/23/2015	46.2	70%	0.49	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.14
5/24/2015	41.4	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.13
5/25/2015	36.6	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.13
5/26/2015	34.2	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.13
5/27/2015	37.3	74%	0.36	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.14
5/28/2015	42.9	71%	0.44	0.00	0.07	0.25	0.26	0.00	0.13	0.00	0.15
5/29/2015	43	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.14
5/30/2015	35.3	75%	0.33	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.13
5/31/2015	38.2	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.14
6/1/2015	540	5%	6.26	0.63	1.12	3.82	3.87	0.87	1.91	0.46	0.25
6/2/2015	568	5%	6.54	0.66	1.18	4.00	4.05	0.92	2.00	0.49	0.30
6/3/2015	425	8%	5.12	0.50	0.91	3.11	3.15	0.70	1.55	0.37	0.23
6/4/2015	270	15%	3.38	0.33	0.59	2.04	2.07	0.46	1.02	0.24	0.20
6/5/2015	193	25%	2.39	0.23	0.41	1.43	1.45	0.32	0.72	0.17	0.19
6/6/2015	159	32%	1.97	0.19	0.34	1.18	1.19	0.27	0.60	0.14	0.18
6/7/2015	133	38%	1.66	0.00	0.28	0.99	1.00	0.00	0.50	0.00	0.17
6/8/2015	120	42%	1.52	0.00	0.26	0.90	0.91	0.00	0.45	0.00	0.16
6/9/2015	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.18
6/10/2015	122	41%	1.54	0.00	0.26	0.92	0.93	0.00	0.46	0.00	0.17
6/11/2015	103	48%	1.33	0.00	0.23	0.79	0.80	0.00	0.40	0.00	0.16
6/12/2015	93.8	51%	1.22	0.00	0.21	0.72	0.73	0.00	0.36	0.00	0.15
6/13/2015	85.2	55%	1.08	0.00	0.18	0.64	0.65	0.00	0.32	0.00	0.14
6/14/2015	75	59%	0.93	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.14
6/15/2015	81.1	56%	1.02	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.15
6/16/2015	97.4	50%	1.27	0.00	0.22	0.76	0.77	0.00	0.38	0.00	0.16
6/17/2015	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.15
6/18/2015	90.6	52%	1.17	0.00	0.20	0.69	0.70	0.00	0.35	0.00	0.14
6/19/2015	78.6	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.14
6/20/2015	65.8	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.14

6/21/2015	94.2	51%	1.23	0.00	0.21	0.73	0.74	0.00	0.36	0.00	0.19
6/22/2015	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.19
6/23/2015	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.17
6/24/2015	89.1	53%	1.14	0.00	0.19	0.68	0.69	0.00	0.34	0.00	0.17
6/25/2015	68.4	62%	0.86	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.15
6/26/2015	56.2	66%	0.69	0.00	0.12	0.41	0.41	0.00	0.21	0.00	0.14
6/27/2015	57.2	66%	0.72	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.14
6/28/2015	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.21
6/29/2015	124	41%	1.56	0.00	0.27	0.93	0.94	0.00	0.47	0.00	0.19
6/30/2015	94.7	51%	1.24	0.00	0.21	0.73	0.74	0.00	0.37	0.00	0.16
7/1/2015	151	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.27
7/2/2015	134	38%	1.68	0.00	0.29	1.00	1.01	0.00	0.50	0.00	0.19
7/3/2015	98.5	49%	1.28	0.00	0.22	0.76	0.77	0.00	0.38	0.00	0.16
7/4/2015	83.6	55%	1.06	0.00	0.18	0.63	0.63	0.00	0.31	0.00	0.16
7/5/2015	72.2	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.15
7/6/2015	60.6	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.14
7/7/2015	53.5	67%	0.64	0.00	0.11	0.37	0.38	0.00	0.19	0.00	0.17
7/8/2015	49.5	69%	0.55	0.00	0.09	0.32	0.33	0.00	0.16	0.00	0.18
7/9/2015	50.2	69%	0.57	0.00	0.09	0.33	0.33	0.00	0.17	0.00	0.16
7/10/2015	55.8	66%	0.69	0.00	0.11	0.40	0.41	0.00	0.20	0.00	0.15
7/11/2015	45.8	70%	0.48	0.00	0.08	0.28	0.29	0.00	0.14	0.00	0.14
7/12/2015	36.5	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.14
7/13/2015	33.5	76%	0.30	0.00	0.05	0.17	0.18	0.00	0.09	0.00	0.13
7/14/2015	31.4	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.14
7/15/2015	30.4	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.13
7/16/2015	27.7	80%	0.00	0.00	0.04	0.12	0.13	0.00	0.00	0.00	0.13
7/17/2015	24.7	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
7/18/2015	24.9	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.15
7/19/2015	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.17
7/20/2015	20.6	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.14
7/21/2015	19.9	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
7/22/2015	20.9	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
7/23/2015	18.8	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
7/24/2015	16.9	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
7/25/2015	16	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13

7/26/2015	16.3	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
7/27/2015	35.5	75%	0.33	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.13
7/28/2015	84.3	55%	1.07	0.00	0.18	0.63	0.64	0.00	0.32	0.00	0.13
7/29/2015	48.7	69%	0.53	0.00	0.09	0.31	0.32	0.00	0.16	0.00	0.13
7/30/2015	44.2	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.13
7/31/2015	43.8	71%	0.45	0.00	0.07	0.26	0.27	0.00	0.14	0.00	0.13
8/1/2015	32.5	77%	0.28	0.00	0.05	0.16	0.17	0.00	0.08	0.00	0.13
8/2/2015	25.7	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.13
8/3/2015	22.7	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/4/2015	20.5	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/5/2015	19	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
8/6/2015	16.9	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
8/7/2015	16.5	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
8/8/2015	16.4	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
8/9/2015	17.2	91%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
8/10/2015	16.8	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
8/11/2015	24.4	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
8/12/2015	33.1	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.13
8/13/2015	24.2	82%	0.00	0.00	0.03	0.09	0.10	0.00	0.00	0.00	0.13
8/14/2015	20.4	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/15/2015	19.6	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.13
8/16/2015	19.6	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.13
8/17/2015	19.7	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/18/2015	19.5	88%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.13
8/19/2015	19	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
8/20/2015	19.5	88%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.13
8/21/2015	28.5	79%	0.22	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.13
8/22/2015	36.4	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.13
8/23/2015	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/24/2015	21.7	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
8/25/2015	20.4	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/26/2015	23	83%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/27/2015	18.7	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
8/28/2015	18.5	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
8/29/2015	18.7	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13

8/30/2015	17.8	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
8/31/2015	18.1	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/1/2015	19.4	88%	0.00	0.00	0.02	0.05	0.05	0.00	0.00	0.00	0.13
9/2/2015	18.9	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/3/2015	19.2	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/4/2015	19.7	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
9/5/2015	21.2	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
9/6/2015	20.6	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
9/7/2015	21.1	86%	0.00	0.00	0.02	0.06	0.07	0.00	0.00	0.00	0.13
9/8/2015	22.8	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
9/9/2015	22.2	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
9/10/2015	29.5	78%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.13
9/11/2015	60.5	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.13
9/12/2015	38.1	73%	0.37	0.00	0.06	0.21	0.22	0.00	0.11	0.00	0.13
9/13/2015	64.1	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.13
9/14/2015	51	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.13
9/15/2015	31.1	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.13
9/16/2015	24.5	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
9/17/2015	24.6	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
9/18/2015	23.9	83%	0.00	0.00	0.03	0.09	0.09	0.00	0.00	0.00	0.13
9/19/2015	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
9/20/2015	21.5	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
9/21/2015	21.3	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
9/22/2015	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
9/23/2015	19.7	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
9/24/2015	20.5	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
9/25/2015	22.3	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
9/26/2015	24.6	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
9/27/2015	22.6	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
9/28/2015	21.3	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
9/29/2015	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
9/30/2015	145	35%	1.81	0.00	0.31	1.08	1.09	0.00	0.55	0.00	0.17
10/1/2015	122	41%	1.54	0.00	0.26	0.92	0.93	0.00	0.46	0.00	0.13
10/2/2015	47.7	70%	0.52	0.00	0.09	0.30	0.31	0.00	0.15	0.00	0.13
10/3/2015	53	67%	0.63	0.00	0.10	0.37	0.37	0.00	0.19	0.00	0.13

10/4/2015	67.8	62%	0.85	0.00	0.14	0.50	0.51	0.00	0.25	0.00	0.13
10/5/2015	44.1	71%	0.45	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.13
10/6/2015	31.3	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.13
10/7/2015	26.1	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.13
10/8/2015	22.1	85%	0.00	0.00	0.02	0.07	0.08	0.00	0.00	0.00	0.13
10/9/2015	20	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
10/10/2015	19.8	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
10/11/2015	18.2	89%	0.00	0.00	0.01	0.04	0.05	0.00	0.00	0.00	0.13
10/12/2015	17.5	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
10/13/2015	15.9	94%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/14/2015	14.1	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.13
10/15/2015	12.9	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.13
10/16/2015	16.6	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/17/2015	32.4	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.13
10/18/2015	33.3	76%	0.30	0.00	0.05	0.17	0.18	0.00	0.09	0.00	0.13
10/19/2015	32.9	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.13
10/20/2015	28.1	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.13
10/21/2015	21.1	86%	0.00	0.00	0.02	0.06	0.07	0.00	0.00	0.00	0.13
10/22/2015	17.9	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
10/23/2015	16.9	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/24/2015	16.8	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/25/2015	16.7	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/26/2015	16.3	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/27/2015	18.5	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
10/28/2015	54.4	67%	0.66	0.00	0.11	0.38	0.39	0.00	0.20	0.00	0.15
10/29/2015	228	20%	2.78	0.27	0.48	1.67	1.70	0.37	0.84	0.20	0.27
10/30/2015	141	36%	1.76	0.00	0.30	1.05	1.06	0.00	0.53	0.00	0.15
10/31/2015	97.6	50%	1.28	0.00	0.22	0.76	0.77	0.00	0.38	0.00	0.13
11/1/2015	77.7	58%	0.98	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.13
11/2/2015	65	63%	0.83	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.13
11/3/2015	54.1	67%	0.65	0.00	0.11	0.38	0.39	0.00	0.19	0.00	0.13
11/4/2015	45.4	70%	0.48	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.13
11/5/2015	38.7	73%	0.38	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.13
11/6/2015	36	75%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.13
11/7/2015	35.2	75%	0.33	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.13

11/8/2015	32.4	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.13
11/9/2015	29.3	79%	0.23	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.13
11/10/2015	27.8	80%	0.00	0.00	0.04	0.12	0.13	0.00	0.00	0.00	0.13
11/11/2015	102	48%	1.32	0.00	0.23	0.78	0.80	0.00	0.39	0.00	0.15
11/12/2015	153	33%	1.90	0.18	0.33	1.13	1.15	0.26	0.58	0.14	0.15
11/13/2015	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.14
11/14/2015	112	44%	1.43	0.00	0.24	0.85	0.86	0.00	0.43	0.00	0.14
11/15/2015	84	55%	1.06	0.00	0.18	0.63	0.64	0.00	0.32	0.00	0.13
11/16/2015	67.6	62%	0.85	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.13
11/17/2015	58.5	65%	0.75	0.00	0.12	0.44	0.44	0.00	0.22	0.00	0.13
11/18/2015	52.5	68%	0.61	0.00	0.10	0.36	0.36	0.00	0.18	0.00	0.13
11/19/2015	80.4	56%	1.01	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.17
11/20/2015	353	10%	4.46	0.43	0.79	2.71	2.74	0.61	1.34	0.32	0.36
11/21/2015	265	16%	3.31	0.32	0.57	1.99	2.02	0.45	0.99	0.24	0.23
11/22/2015	189	26%	2.34	0.23	0.40	1.40	1.42	0.32	0.71	0.17	0.19
11/23/2015	150	34%	1.87	0.18	0.32	1.11	1.13	0.25	0.57	0.14	0.16
11/24/2015	132	38%	1.65	0.00	0.28	0.98	1.00	0.00	0.50	0.00	0.15
11/25/2015	112	44%	1.43	0.00	0.24	0.85	0.86	0.00	0.43	0.00	0.15
11/26/2015	97	50%	1.27	0.00	0.22	0.75	0.76	0.00	0.38	0.00	0.15
11/27/2015	91.2	52%	1.18	0.00	0.20	0.70	0.71	0.00	0.35	0.00	0.15
11/28/2015	87.1	54%	1.11	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.15
11/29/2015	82.2	56%	1.04	0.00	0.18	0.61	0.62	0.00	0.31	0.00	0.14
11/30/2015	75.5	59%	0.94	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.16
12/1/2015	81.8	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.15
12/2/2015	146	35%	1.82	0.00	0.31	1.09	1.10	0.00	0.55	0.00	0.21
12/3/2015	231	20%	2.82	0.27	0.49	1.70	1.72	0.38	0.85	0.20	0.23
12/4/2015	178	28%	2.20	0.21	0.38	1.31	1.33	0.30	0.66	0.16	0.22
12/5/2015	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.18
12/6/2015	124	41%	1.56	0.00	0.27	0.93	0.94	0.00	0.47	0.00	0.16
12/7/2015	115	43%	1.46	0.00	0.25	0.87	0.88	0.00	0.44	0.00	0.16
12/8/2015	105	47%	1.35	0.00	0.23	0.80	0.81	0.00	0.40	0.00	0.16
12/9/2015	103	48%	1.33	0.00	0.23	0.79	0.80	0.00	0.40	0.00	0.16
12/10/2015	98.7	49%	1.29	0.00	0.22	0.76	0.77	0.00	0.38	0.00	0.16
12/11/2015	88.8	53%	1.14	0.00	0.19	0.67	0.68	0.00	0.34	0.00	0.17
12/12/2015	80.9	56%	1.02	0.00	0.17	0.60	0.61	0.00	0.30	0.00	0.16

12/13/2015	74.8	59%	0.93	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.16
12/14/2015	74.9	59%	0.93	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.15
12/15/2015	90.3	52%	1.17	0.00	0.20	0.69	0.70	0.00	0.35	0.00	0.17
12/16/2015	86	54%	1.10	0.00	0.19	0.65	0.66	0.00	0.32	0.00	0.16
12/17/2015	101	48%	1.31	0.00	0.22	0.78	0.79	0.00	0.39	0.00	0.20
12/18/2015	196	25%	2.43	0.23	0.42	1.45	1.47	0.33	0.73	0.18	0.23
12/19/2015	151	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.19
12/20/2015	117	43%	1.48	0.00	0.25	0.88	0.89	0.00	0.44	0.00	0.18
12/21/2015	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.17
12/22/2015	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.19
12/23/2015	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.29
12/24/2015	435	7%	5.21	0.51	0.93	3.17	3.21	0.72	1.58	0.38	0.41
12/25/2015	385	9%	4.75	0.46	0.84	2.88	2.92	0.65	1.43	0.34	0.29
12/26/2015	252	17%	3.10	0.30	0.54	1.87	1.89	0.42	0.93	0.22	0.26
12/27/2015	244	18%	2.99	0.29	0.52	1.80	1.82	0.40	0.90	0.21	0.28
12/28/2015	221	21%	2.71	0.26	0.47	1.63	1.65	0.36	0.81	0.19	0.32
12/29/2015	260	16%	3.23	0.31	0.56	1.95	1.97	0.44	0.97	0.23	0.29
12/30/2015	323	12%	4.06	0.39	0.71	2.46	2.49	0.55	1.22	0.29	0.29
12/31/2015	366	10%	4.58	0.45	0.81	2.78	2.82	0.62	1.38	0.33	0.40
1/1/2016	335	11%	4.21	0.41	0.74	2.55	2.58	0.57	1.27	0.30	0.41
1/2/2016	262	16%	3.26	0.32	0.57	1.97	1.99	0.44	0.98	0.23	0.32
1/3/2016	217	21%	2.66	0.26	0.46	1.60	1.62	0.36	0.80	0.19	0.29
1/4/2016	193	25%	2.39	0.23	0.41	1.43	1.45	0.32	0.72	0.17	0.27
1/5/2016	165	30%	2.04	0.20	0.35	1.22	1.23	0.27	0.62	0.15	0.26
1/6/2016	142	36%	1.78	0.00	0.30	1.06	1.07	0.00	0.54	0.00	0.25
1/7/2016	133	38%	1.66	0.00	0.28	0.99	1.00	0.00	0.50	0.00	0.24
1/8/2016	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.23
1/9/2016	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.23
1/10/2016	420	8%	5.07	0.50	0.90	3.08	3.12	0.70	1.53	0.37	0.47
1/11/2016	753	3%	8.34	0.87	1.54	5.14	5.21	1.20	2.60	0.65	0.40
1/12/2016	449	7%	5.35	0.53	0.95	3.26	3.30	0.74	1.62	0.39	0.33
1/13/2016	330	11%	4.15	0.40	0.73	2.51	2.55	0.56	1.25	0.30	0.31
1/14/2016	264	16%	3.29	0.32	0.57	1.98	2.01	0.44	0.99	0.24	0.29
1/15/2016	231	20%	2.82	0.27	0.49	1.70	1.72	0.38	0.85	0.20	0.28
1/16/2016	265	16%	3.31	0.32	0.57	1.99	2.02	0.45	0.99	0.24	0.33

1/17/2016	266	16%	3.32	0.32	0.58	2.00	2.03	0.45	1.00	0.24	0.30
1/18/2016	211	22%	2.59	0.25	0.45	1.55	1.57	0.35	0.78	0.19	0.27
1/19/2016	176	28%	2.17	0.21	0.37	1.30	1.32	0.29	0.66	0.16	0.24
1/20/2016	160	31%	1.99	0.19	0.34	1.18	1.20	0.27	0.60	0.14	0.23
1/21/2016	147	34%	1.83	0.00	0.31	1.09	1.11	0.00	0.55	0.00	0.23
1/22/2016	137	37%	1.72	0.00	0.29	1.02	1.04	0.00	0.52	0.00	0.21
1/23/2016	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.21
1/24/2016	153	33%	1.90	0.18	0.33	1.13	1.15	0.26	0.58	0.14	0.21
1/25/2016	132	38%	1.65	0.00	0.28	0.98	1.00	0.00	0.50	0.00	0.21
1/26/2016	124	41%	1.56	0.00	0.27	0.93	0.94	0.00	0.47	0.00	0.21
1/27/2016	126	40%	1.58	0.00	0.27	0.94	0.95	0.00	0.47	0.00	0.20
1/28/2016	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.20
1/29/2016	116	43%	1.47	0.00	0.25	0.87	0.89	0.00	0.44	0.00	0.19
1/30/2016	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.19
1/31/2016	107	46%	1.37	0.00	0.23	0.81	0.82	0.00	0.41	0.00	0.19
2/1/2016	117	43%	1.48	0.00	0.25	0.88	0.89	0.00	0.44	0.00	0.19
2/2/2016	139	36%	1.74	0.00	0.30	1.04	1.05	0.00	0.52	0.00	0.19
2/3/2016	194	25%	2.41	0.23	0.41	1.44	1.46	0.32	0.73	0.17	0.29
2/4/2016	353	10%	4.46	0.43	0.79	2.71	2.74	0.61	1.34	0.32	0.30
2/5/2016	298	13%	3.75	0.36	0.65	2.26	2.29	0.51	1.13	0.27	0.26
2/6/2016	245	18%	3.00	0.29	0.52	1.81	1.83	0.40	0.90	0.22	0.23
2/7/2016	210	22%	2.58	0.25	0.44	1.55	1.57	0.35	0.78	0.19	0.22
2/8/2016	195	25%	2.42	0.23	0.42	1.45	1.47	0.33	0.73	0.17	0.22
2/9/2016	180	27%	2.23	0.22	0.38	1.33	1.35	0.30	0.67	0.16	0.21
2/10/2016	167	30%	2.06	0.20	0.35	1.23	1.24	0.28	0.62	0.15	0.22
2/11/2016	151	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.21
2/12/2016	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.20
2/13/2016	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.20
2/14/2016	157	32%	1.94	0.19	0.33	1.16	1.18	0.26	0.59	0.14	0.18
2/15/2016	101	48%	1.31	0.00	0.22	0.78	0.79	0.00	0.39	0.00	0.18
2/16/2016	327	11%	4.11	0.40	0.72	2.49	2.52	0.56	1.24	0.30	0.31
2/17/2016	800	3%	8.73	0.92	1.62	5.39	5.46	1.27	2.73	0.68	0.51
2/18/2016	454	7%	5.40	0.53	0.96	3.28	3.33	0.74	1.64	0.40	0.41
2/19/2016	302	13%	3.80	0.37	0.66	2.30	2.33	0.51	1.14	0.27	0.34
2/20/2016	259	16%	3.21	0.31	0.56	1.93	1.96	0.43	0.97	0.23	0.32

2/21/2016	240	19%	2.94	0.28	0.51	1.77	1.79	0.40	0.88	0.21	0.31
2/22/2016	218	21%	2.67	0.26	0.46	1.61	1.63	0.36	0.81	0.19	0.29
2/23/2016	195	25%	2.42	0.23	0.42	1.45	1.47	0.33	0.73	0.17	0.29
2/24/2016	345	10%	4.35	0.42	0.77	2.63	2.67	0.59	1.31	0.31	0.47
2/25/2016	1820	0%	19.14	1.90	3.43	12.11	12.26	2.87	6.10	1.55	0.86
2/26/2016	1250	1%	12.95	1.44	2.50	8.10	8.20	1.97	4.17	1.07	0.61
2/27/2016	687	3%	7.74	0.80	1.42	4.76	4.82	1.11	2.40	0.59	0.57
2/28/2016	494	6%	5.79	0.58	1.03	3.53	3.58	0.80	1.76	0.43	0.53
2/29/2016	394	9%	4.83	0.47	0.85	2.93	2.97	0.66	1.46	0.35	0.46
3/1/2016	315	12%	3.97	0.39	0.70	2.40	2.44	0.54	1.19	0.29	0.40
3/2/2016	277	15%	3.48	0.34	0.60	2.10	2.12	0.47	1.04	0.25	0.38
3/3/2016	231	20%	2.82	0.27	0.49	1.70	1.72	0.38	0.85	0.20	0.31
3/4/2016	206	23%	2.54	0.25	0.44	1.52	1.54	0.34	0.76	0.18	0.32
3/5/2016	188	26%	2.33	0.23	0.40	1.39	1.41	0.31	0.70	0.17	0.30
3/6/2016	164	31%	2.03	0.20	0.35	1.21	1.23	0.27	0.61	0.15	0.29
3/7/2016	152	33%	1.89	0.18	0.32	1.13	1.14	0.26	0.57	0.14	0.30
3/8/2016	141	36%	1.76	0.00	0.30	1.05	1.06	0.00	0.53	0.00	0.31
3/9/2016	131	39%	1.64	0.00	0.28	0.98	0.99	0.00	0.49	0.00	0.25
3/10/2016	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.24
3/11/2016	125	40%	1.57	0.00	0.27	0.93	0.95	0.00	0.47	0.00	0.26
3/12/2016	118	42%	1.49	0.00	0.25	0.89	0.90	0.00	0.45	0.00	0.23
3/13/2016	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.22
3/14/2016	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.21
3/15/2016	116	43%	1.47	0.00	0.25	0.87	0.89	0.00	0.44	0.00	0.21
3/16/2016	112	44%	1.43	0.00	0.24	0.85	0.86	0.00	0.43	0.00	0.20
3/17/2016	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.22
3/18/2016	101	48%	1.31	0.00	0.22	0.78	0.79	0.00	0.39	0.00	0.20
3/19/2016	91.3	52%	1.19	0.00	0.20	0.70	0.71	0.00	0.35	0.00	0.19
3/20/2016	83.4	55%	1.06	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.19
3/21/2016	81.4	56%	1.03	0.00	0.17	0.61	0.61	0.00	0.30	0.00	0.19
3/22/2016	76.1	58%	0.95	0.00	0.16	0.56	0.57	0.00	0.28	0.00	0.19
3/23/2016	72.7	60%	0.91	0.00	0.15	0.54	0.54	0.00	0.27	0.00	0.18
3/24/2016	70.3	61%	0.88	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.28
3/25/2016	69	62%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.30
3/26/2016	67.1	62%	0.84	0.00	0.14	0.50	0.50	0.00	0.25	0.00	0.22

3/27/2016	64.4	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.19
3/28/2016	73.4	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.21
3/29/2016	85.6	54%	1.09	0.00	0.18	0.64	0.65	0.00	0.32	0.00	0.21
3/30/2016	71.4	60%	0.90	0.00	0.15	0.53	0.53	0.00	0.27	0.00	0.19
3/31/2016	65.4	63%	0.83	0.00	0.14	0.49	0.49	0.00	0.25	0.00	0.18
4/1/2016	66.1	63%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.18
4/2/2016	66.1	63%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.17
4/3/2016	79.9	57%	1.01	0.00	0.17	0.59	0.60	0.00	0.30	0.00	0.19
4/4/2016	92	52%	1.20	0.00	0.20	0.71	0.72	0.00	0.35	0.00	0.19
4/5/2016	107	46%	1.37	0.00	0.23	0.81	0.82	0.00	0.41	0.00	0.19
4/6/2016	89.4	53%	1.15	0.00	0.20	0.68	0.69	0.00	0.34	0.00	0.19
4/7/2016	83.8	55%	1.06	0.00	0.18	0.63	0.64	0.00	0.31	0.00	0.23
4/8/2016	89.2	53%	1.14	0.00	0.19	0.68	0.69	0.00	0.34	0.00	0.24
4/9/2016	83	55%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.21
4/10/2016	76.3	58%	0.95	0.00	0.16	0.56	0.57	0.00	0.28	0.00	0.20
4/11/2016	70.4	61%	0.88	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.22
4/12/2016	72.8	60%	0.91	0.00	0.15	0.54	0.54	0.00	0.27	0.00	0.26
4/13/2016	77.7	58%	0.98	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.22
4/14/2016	70.4	61%	0.88	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.20
4/15/2016	65.1	63%	0.83	0.00	0.14	0.48	0.49	0.00	0.25	0.00	0.19
4/16/2016	61.3	64%	0.79	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.19
4/17/2016	57.3	66%	0.72	0.00	0.12	0.42	0.43	0.00	0.21	0.00	0.20
4/18/2016	56.8	66%	0.71	0.00	0.12	0.41	0.42	0.00	0.21	0.00	0.19
4/19/2016	55.2	67%	0.67	0.00	0.11	0.39	0.40	0.00	0.20	0.00	0.18
4/20/2016	52.7	68%	0.62	0.00	0.10	0.36	0.37	0.00	0.18	0.00	0.17
4/21/2016	49.8	69%	0.56	0.00	0.09	0.33	0.33	0.00	0.17	0.00	0.17
4/22/2016	50.1	69%	0.56	0.00	0.09	0.33	0.33	0.00	0.17	0.00	0.17
4/23/2016	57	66%	0.71	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.18
4/24/2016	54.3	67%	0.65	0.00	0.11	0.38	0.39	0.00	0.19	0.00	0.19
4/25/2016	46.7	70%	0.50	0.00	0.08	0.29	0.30	0.00	0.15	0.00	0.21
4/26/2016	61.6	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.20
4/27/2016	72.3	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.19
4/28/2016	60	65%	0.78	0.00	0.13	0.46	0.46	0.00	0.23	0.00	0.17
4/29/2016	53.2	67%	0.63	0.00	0.11	0.37	0.37	0.00	0.19	0.00	0.16
4/30/2016	54.5	67%	0.66	0.00	0.11	0.38	0.39	0.00	0.20	0.00	0.18

5/1/2016	60.8	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.18
5/2/2016	81.5	56%	1.03	0.00	0.17	0.61	0.62	0.00	0.31	0.00	0.22
5/3/2016	134	38%	1.68	0.00	0.29	1.00	1.01	0.00	0.50	0.00	0.30
5/4/2016	167	30%	2.06	0.20	0.35	1.23	1.24	0.28	0.62	0.15	0.24
5/5/2016	150	34%	1.87	0.18	0.32	1.11	1.13	0.25	0.57	0.14	0.22
5/6/2016	170	29%	2.10	0.20	0.36	1.26	1.27	0.28	0.64	0.15	0.33
5/7/2016	223	21%	2.73	0.26	0.47	1.64	1.66	0.37	0.82	0.20	0.33
5/8/2016	195	25%	2.42	0.23	0.42	1.45	1.47	0.33	0.73	0.17	0.31
5/9/2016	168	30%	2.07	0.20	0.35	1.24	1.25	0.28	0.63	0.15	0.27
5/10/2016	137	37%	1.72	0.00	0.29	1.02	1.04	0.00	0.52	0.00	0.26
5/11/2016	119	42%	1.51	0.00	0.26	0.90	0.91	0.00	0.45	0.00	0.26
5/12/2016	109	46%	1.39	0.00	0.24	0.83	0.84	0.00	0.41	0.00	0.25
5/13/2016	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.26
5/14/2016	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.27
5/15/2016	121	41%	1.53	0.00	0.26	0.91	0.92	0.00	0.46	0.00	0.27
5/16/2016	101	48%	1.31	0.00	0.22	0.78	0.79	0.00	0.39	0.00	0.25
5/17/2016	87.5	54%	1.12	0.00	0.19	0.66	0.67	0.00	0.33	0.00	0.22
5/18/2016	82.6	56%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.21
5/19/2016	73.1	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.21
5/20/2016	66.9	62%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.20
5/21/2016	61.8	64%	0.80	0.00	0.13	0.47	0.47	0.00	0.24	0.00	0.19
5/22/2016	65.2	63%	0.83	0.00	0.14	0.48	0.49	0.00	0.25	0.00	0.19
5/23/2016	66.4	63%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.20
5/24/2016	77.6	58%	0.97	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.21
5/25/2016	75.7	59%	0.95	0.00	0.16	0.56	0.56	0.00	0.28	0.00	0.19
5/26/2016	59.7	65%	0.78	0.00	0.13	0.45	0.46	0.00	0.23	0.00	0.17
5/27/2016	50	69%	0.56	0.00	0.09	0.33	0.33	0.00	0.17	0.00	0.23
5/28/2016	46.6	70%	0.50	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.27
5/29/2016	42.2	72%	0.42	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.19
5/30/2016	43.3	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.20
5/31/2016	41	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.18
6/1/2016	35.1	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.16
6/2/2016	30.8	78%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.15
6/3/2016	32.7	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.17
6/4/2016	32.1	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.17

6/5/2016	34.7	75%	0.32	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.23
6/6/2016	66.6	63%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.25
6/7/2016	49.8	69%	0.56	0.00	0.09	0.33	0.33	0.00	0.17	0.00	0.18
6/8/2016	40.6	72%	0.40	0.00	0.07	0.23	0.24	0.00	0.12	0.00	0.17
6/9/2016	39.7	73%	0.39	0.00	0.07	0.23	0.23	0.00	0.12	0.00	0.16
6/10/2016	32.7	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.14
6/11/2016	28.6	79%	0.22	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.15
6/12/2016	25.7	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.16
6/13/2016	23.8	83%	0.00	0.00	0.03	0.09	0.09	0.00	0.00	0.00	0.15
6/14/2016	21.8	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.15
6/15/2016	27.5	80%	0.00	0.00	0.03	0.12	0.12	0.00	0.00	0.00	0.14
6/16/2016	25.3	81%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
6/17/2016	24.6	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
6/18/2016	22.6	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
6/19/2016	22.8	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
6/20/2016	23.3	83%	0.00	0.00	0.02	0.09	0.09	0.00	0.00	0.00	0.13
6/21/2016	22.1	85%	0.00	0.00	0.02	0.07	0.08	0.00	0.00	0.00	0.13
6/22/2016	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
6/23/2016	20.8	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
6/24/2016	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
6/25/2016	22.2	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
6/26/2016	21.5	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
6/27/2016	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
6/28/2016	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
6/29/2016	23.4	83%	0.00	0.00	0.02	0.09	0.09	0.00	0.00	0.00	0.14
6/30/2016	27.3	80%	0.00	0.00	0.03	0.12	0.12	0.00	0.00	0.00	0.13
7/1/2016	22.8	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.15
7/2/2016	25.3	81%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.17
7/3/2016	27.8	80%	0.00	0.00	0.04	0.12	0.13	0.00	0.00	0.00	0.14
7/4/2016	22	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
7/5/2016	24.1	82%	0.00	0.00	0.03	0.09	0.09	0.00	0.00	0.00	0.13
7/6/2016	21.1	86%	0.00	0.00	0.02	0.06	0.07	0.00	0.00	0.00	0.13
7/7/2016	21	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
7/8/2016	21.7	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
7/9/2016	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13

7/10/2016	33.1	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.13
7/11/2016	30.7	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.13
7/12/2016	24.3	82%	0.00	0.00	0.03	0.09	0.10	0.00	0.00	0.00	0.13
7/13/2016	21.1	86%	0.00	0.00	0.02	0.06	0.07	0.00	0.00	0.00	0.13
7/14/2016	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
7/15/2016	22.7	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
7/16/2016	20.7	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
7/17/2016	21.8	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
7/18/2016	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
7/19/2016	28.1	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.13
7/20/2016	29.7	78%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.13
7/21/2016	22.6	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
7/22/2016	22.4	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
7/23/2016	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
7/24/2016	23.6	83%	0.00	0.00	0.03	0.09	0.09	0.00	0.00	0.00	0.13
7/25/2016	25.4	81%	0.00	0.00	0.03	0.10	0.11	0.00	0.00	0.00	0.13
7/26/2016	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
7/27/2016	21.1	86%	0.00	0.00	0.02	0.06	0.07	0.00	0.00	0.00	0.13
7/28/2016	18.1	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
7/29/2016	21	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
7/30/2016	55	67%	0.67	0.00	0.11	0.39	0.40	0.00	0.20	0.00	0.18
7/31/2016	448	7%	5.34	0.53	0.95	3.25	3.29	0.74	1.62	0.39	1.07
8/1/2016	849	2%	9.20	0.98	1.71	5.69	5.76	1.34	2.89	0.72	0.70
8/2/2016	355	10%	4.49	0.44	0.79	2.72	2.76	0.61	1.35	0.32	0.37
8/3/2016	156	32%	1.93	0.19	0.33	1.15	1.17	0.26	0.58	0.14	0.29
8/4/2016	98.2	50%	1.28	0.00	0.22	0.76	0.77	0.00	0.38	0.00	0.23
8/5/2016	71	61%	0.89	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.20
8/6/2016	54.5	67%	0.66	0.00	0.11	0.38	0.39	0.00	0.20	0.00	0.19
8/7/2016	53.7	67%	0.64	0.00	0.11	0.37	0.38	0.00	0.19	0.00	0.18
8/8/2016	43.5	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.19
8/9/2016	35.2	75%	0.33	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.18
8/10/2016	30	78%	0.25	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.17
8/11/2016	29.1	79%	0.23	0.00	0.04	0.13	0.14	0.00	0.07	0.00	0.19
8/12/2016	39.9	73%	0.39	0.00	0.07	0.23	0.23	0.00	0.12	0.00	0.24
8/13/2016	47.3	70%	0.51	0.00	0.08	0.30	0.30	0.00	0.15	0.00	0.17

8/14/2016	52	68%	0.60	0.00	0.10	0.35	0.36	0.00	0.18	0.00	0.19
8/15/2016	43	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.17
8/16/2016	36	75%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.15
8/17/2016	32.3	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.15
8/18/2016	28.7	79%	0.23	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.14
8/19/2016	25.4	81%	0.00	0.00	0.03	0.10	0.11	0.00	0.00	0.00	0.14
8/20/2016	23.2	83%	0.00	0.00	0.02	0.09	0.09	0.00	0.00	0.00	0.13
8/21/2016	29.7	78%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.15
8/22/2016	125	40%	1.57	0.00	0.27	0.93	0.95	0.00	0.47	0.00	0.17
8/23/2016	79.1	57%	1.00	0.00	0.17	0.59	0.60	0.00	0.30	0.00	0.14
8/24/2016	46.8	70%	0.50	0.00	0.08	0.29	0.30	0.00	0.15	0.00	0.13
8/25/2016	33.8	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.13
8/26/2016	29.5	78%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.13
8/27/2016	25.9	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.13
8/28/2016	23	83%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/29/2016	21.4	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
8/30/2016	20.2	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/31/2016	19.4	88%	0.00	0.00	0.02	0.05	0.05	0.00	0.00	0.00	0.13
9/1/2016	19.5	88%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.13
9/2/2016	19.4	88%	0.00	0.00	0.02	0.05	0.05	0.00	0.00	0.00	0.14
9/3/2016	18.4	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/4/2016	18.2	89%	0.00	0.00	0.01	0.04	0.05	0.00	0.00	0.00	0.13
9/5/2016	18.1	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/6/2016	18.3	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.14
9/7/2016	18.1	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.16
9/8/2016	17.2	91%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.14
9/9/2016	17	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/10/2016	17.7	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.14
9/11/2016	21.8	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
9/12/2016	20.9	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
9/13/2016	17.9	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/14/2016	15.5	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
9/15/2016	14.4	96%	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.13
9/16/2016	16.1	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/17/2016	16	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13

9/18/2016	14.7	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
9/19/2016	17.7	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.15
9/20/2016	19.8	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.16
9/21/2016	18.7	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.15
9/22/2016	17.4	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/23/2016	16.7	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/24/2016	16.1	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/25/2016	16.9	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/26/2016	15.5	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
9/27/2016	20	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.14
9/28/2016	20.8	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
9/29/2016	19.3	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/30/2016	19.1	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
10/1/2016	20.4	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
10/2/2016	21.6	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
10/3/2016	21.2	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
10/4/2016	20.4	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
10/5/2016	21.9	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
10/6/2016	25.3	81%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
10/7/2016	26.6	80%	0.00	0.00	0.03	0.12	0.12	0.00	0.00	0.00	0.13
10/8/2016	23.2	83%	0.00	0.00	0.02	0.09	0.09	0.00	0.00	0.00	0.13
10/9/2016	13	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.13
10/10/2016	13.3	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.13
10/11/2016	18.4	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
10/12/2016	11.8	98%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.13
10/13/2016	10.7	99%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.13
10/14/2016	19.6	87%	0.00	0.00	0.02	0.05	0.06	0.00	0.00	0.00	0.13
10/15/2016	25.1	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
10/16/2016	33.6	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.13
10/17/2016	25.2	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
10/18/2016	22.9	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
10/19/2016	23	83%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
10/20/2016	21.8	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
10/21/2016	25.8	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.19
10/22/2016	53.9	67%	0.65	0.00	0.11	0.38	0.38	0.00	0.19	0.00	0.20

10/23/2016	68.7	62%	0.86	0.00	0.14	0.51	0.51	0.00	0.26	0.00	0.17
10/24/2016	49.4	69%	0.55	0.00	0.09	0.32	0.32	0.00	0.16	0.00	0.17
10/25/2016	32.7	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.16
10/26/2016	27.8	80%	0.00	0.00	0.04	0.12	0.13	0.00	0.00	0.00	0.15
10/27/2016	30.3	78%	0.25	0.00	0.04	0.14	0.15	0.00	0.08	0.00	0.18
10/28/2016	46.1	70%	0.49	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.24
10/29/2016	59	65%	0.76	0.00	0.13	0.44	0.45	0.00	0.23	0.00	0.18
10/30/2016	51.7	68%	0.60	0.00	0.10	0.35	0.35	0.00	0.18	0.00	0.17
10/31/2016	69.8	61%	0.88	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.19
11/1/2016	77.9	58%	0.98	0.00	0.16	0.58	0.58	0.00	0.29	0.00	0.15
11/2/2016	72.5	60%	0.91	0.00	0.15	0.53	0.54	0.00	0.27	0.00	0.14
11/3/2016	55.1	67%	0.67	0.00	0.11	0.39	0.40	0.00	0.20	0.00	0.14
11/4/2016	42.3	72%	0.43	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.14
11/5/2016	29.6	78%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.13
11/6/2016	23	83%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
11/7/2016	20.8	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
11/8/2016	23.5	83%	0.00	0.00	0.02	0.09	0.09	0.00	0.00	0.00	0.14
11/9/2016	37.1	74%	0.35	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.14
11/10/2016	30.2	78%	0.25	0.00	0.04	0.14	0.15	0.00	0.08	0.00	0.13
11/11/2016	24.4	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
11/12/2016	21.3	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
11/13/2016	20.6	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
11/14/2016	18.6	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
11/15/2016	76.9	58%	0.96	0.00	0.16	0.57	0.58	0.00	0.29	0.00	0.30
11/16/2016	153	33%	1.90	0.18	0.33	1.13	1.15	0.26	0.58	0.14	0.30
11/17/2016	93.9	51%	1.22	0.00	0.21	0.73	0.73	0.00	0.36	0.00	0.19
11/18/2016	60.6	65%	0.79	0.00	0.13	0.46	0.47	0.00	0.23	0.00	0.16
11/19/2016	45.3	70%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.16
11/20/2016	57.2	66%	0.72	0.00	0.12	0.42	0.42	0.00	0.21	0.00	0.27
11/21/2016	75.4	59%	0.94	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.27
11/22/2016	63.5	64%	0.81	0.00	0.14	0.48	0.48	0.00	0.24	0.00	0.25
11/23/2016	52.9	67%	0.62	0.00	0.10	0.36	0.37	0.00	0.19	0.00	0.19
11/24/2016	45.2	71%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.17
11/25/2016	42.5	72%	0.43	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.18
11/26/2016	45.6	70%	0.48	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.18

11/27/2016	45.6	70%	0.48	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.17
11/28/2016	42.8	72%	0.43	0.00	0.07	0.25	0.26	0.00	0.13	0.00	0.17
11/29/2016	83.7	55%	1.06	0.00	0.18	0.63	0.63	0.00	0.31	0.00	0.34
11/30/2016	280	15%	3.51	0.34	0.61	2.12	2.15	0.47	1.06	0.25	0.45
12/1/2016	670	3%	7.56	0.78	1.38	4.64	4.70	1.08	2.34	0.58	0.51
12/2/2016	529	5%	6.14	0.61	1.10	3.74	3.79	0.85	1.87	0.46	0.34
12/3/2016	298	13%	3.75	0.36	0.65	2.26	2.29	0.51	1.13	0.27	0.29
12/4/2016	212	22%	2.60	0.25	0.45	1.56	1.58	0.35	0.78	0.19	0.26
12/5/2016	177	28%	2.18	0.21	0.37	1.30	1.32	0.29	0.66	0.16	0.25
12/6/2016	159	32%	1.97	0.19	0.34	1.18	1.19	0.27	0.60	0.14	0.25
12/7/2016	195	25%	2.42	0.23	0.42	1.45	1.47	0.33	0.73	0.17	0.29
12/8/2016	199	24%	2.46	0.24	0.42	1.47	1.49	0.33	0.74	0.18	0.25
12/9/2016	168	30%	2.07	0.20	0.35	1.24	1.25	0.28	0.63	0.15	0.23
12/10/2016	139	36%	1.74	0.00	0.30	1.04	1.05	0.00	0.52	0.00	0.21
12/11/2016	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.21
12/12/2016	151	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.29
12/13/2016	177	28%	2.18	0.21	0.37	1.30	1.32	0.29	0.66	0.16	0.26
12/14/2016	154	33%	1.91	0.19	0.33	1.14	1.16	0.26	0.58	0.14	0.24
12/15/2016	147	34%	1.83	0.00	0.31	1.09	1.11	0.00	0.55	0.00	0.22
12/16/2016	122	41%	1.54	0.00	0.26	0.92	0.93	0.00	0.46	0.00	0.20
12/17/2016	118	42%	1.49	0.00	0.25	0.89	0.90	0.00	0.45	0.00	0.20
12/18/2016	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.23
12/19/2016	151	33%	1.88	0.18	0.32	1.12	1.14	0.25	0.57	0.14	0.24
12/20/2016	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.23
12/21/2016	121	41%	1.53	0.00	0.26	0.91	0.92	0.00	0.46	0.00	0.22
12/22/2016	113	44%	1.44	0.00	0.25	0.86	0.87	0.00	0.43	0.00	0.22
12/23/2016	115	43%	1.46	0.00	0.25	0.87	0.88	0.00	0.44	0.00	0.21
12/24/2016	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.30
12/25/2016	145	35%	1.81	0.00	0.31	1.08	1.09	0.00	0.55	0.00	0.28
12/26/2016	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.25
12/27/2016	131	39%	1.64	0.00	0.28	0.98	0.99	0.00	0.49	0.00	0.34
12/28/2016	140	36%	1.75	0.00	0.30	1.04	1.06	0.00	0.53	0.00	0.32
12/29/2016	153	33%	1.90	0.18	0.33	1.13	1.15	0.26	0.58	0.14	0.40
12/30/2016	191	26%	2.37	0.23	0.41	1.42	1.44	0.32	0.71	0.17	0.36
12/31/2016	165	30%	2.04	0.20	0.35	1.22	1.23	0.27	0.62	0.15	0.30

1/1/2017	141	36%	1.76	0.00	0.30	1.05	1.06	0.00	0.53	0.00	0.29
1/2/2017	126	40%	1.58	0.00	0.27	0.94	0.95	0.00	0.47	0.00	0.28
1/3/2017	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.35
1/4/2017	240	19%	2.94	0.28	0.51	1.77	1.79	0.40	0.88	0.21	0.43
1/5/2017	214	22%	2.62	0.25	0.45	1.57	1.60	0.35	0.79	0.19	0.32
1/6/2017	171	29%	2.12	0.20	0.36	1.26	1.28	0.29	0.64	0.15	0.29
1/7/2017	146	35%	1.82	0.00	0.31	1.09	1.10	0.00	0.55	0.00	0.27
1/8/2017	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.26
1/9/2017	115	43%	1.46	0.00	0.25	0.87	0.88	0.00	0.44	0.00	0.26
1/10/2017	107	46%	1.37	0.00	0.23	0.81	0.82	0.00	0.41	0.00	0.26
1/11/2017	123	41%	1.55	0.00	0.26	0.92	0.93	0.00	0.47	0.00	0.29
1/12/2017	187	26%	2.32	0.22	0.40	1.39	1.40	0.31	0.70	0.17	0.43
1/13/2017	196	25%	2.43	0.23	0.42	1.45	1.47	0.33	0.73	0.18	0.33
1/14/2017	156	32%	1.93	0.19	0.33	1.15	1.17	0.26	0.58	0.14	0.30
1/15/2017	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.29
1/16/2017	121	41%	1.53	0.00	0.26	0.91	0.92	0.00	0.46	0.00	0.27
1/17/2017	118	42%	1.49	0.00	0.25	0.89	0.90	0.00	0.45	0.00	0.29
1/18/2017	161	31%	2.00	0.19	0.34	1.19	1.21	0.27	0.60	0.14	0.33
1/19/2017	163	31%	2.02	0.20	0.35	1.20	1.22	0.27	0.61	0.15	0.29
1/20/2017	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.27
1/21/2017	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.26
1/22/2017	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.26
1/23/2017	127	40%	1.59	0.00	0.27	0.95	0.96	0.00	0.48	0.00	0.26
1/24/2017	332	11%	4.17	0.41	0.73	2.53	2.56	0.57	1.25	0.30	0.39
1/25/2017	445	7%	5.32	0.53	0.95	3.23	3.28	0.73	1.61	0.39	0.40
1/26/2017	413	8%	5.01	0.49	0.89	3.04	3.08	0.69	1.51	0.37	0.40
1/27/2017	435	7%	5.21	0.51	0.93	3.17	3.21	0.72	1.58	0.38	0.41
1/28/2017	362	10%	4.54	0.44	0.80	2.76	2.79	0.62	1.37	0.33	0.36
1/29/2017	299	13%	3.76	0.36	0.66	2.27	2.30	0.51	1.13	0.27	0.33
1/30/2017	262	16%	3.26	0.32	0.57	1.97	1.99	0.44	0.98	0.23	0.31
1/31/2017	228	20%	2.78	0.27	0.48	1.67	1.70	0.37	0.84	0.20	0.29
2/1/2017	206	23%	2.54	0.25	0.44	1.52	1.54	0.34	0.76	0.18	0.28
2/2/2017	187	26%	2.32	0.22	0.40	1.39	1.40	0.31	0.70	0.17	0.27
2/3/2017	166	30%	2.05	0.20	0.35	1.22	1.24	0.28	0.62	0.15	0.26
2/4/2017	145	35%	1.81	0.00	0.31	1.08	1.09	0.00	0.55	0.00	0.25

2/5/2017	131	39%	1.64	0.00	0.28	0.98	0.99	0.00	0.49	0.00	0.24
2/6/2017	125	40%	1.57	0.00	0.27	0.93	0.95	0.00	0.47	0.00	0.25
2/7/2017	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.24
2/8/2017	156	32%	1.93	0.19	0.33	1.15	1.17	0.26	0.58	0.14	0.27
2/9/2017	201	24%	2.48	0.24	0.43	1.49	1.51	0.33	0.75	0.18	0.26
2/10/2017	187	26%	2.32	0.22	0.40	1.39	1.40	0.31	0.70	0.17	0.26
2/11/2017	163	31%	2.02	0.20	0.35	1.20	1.22	0.27	0.61	0.15	0.24
2/12/2017	167	30%	2.06	0.20	0.35	1.23	1.24	0.28	0.62	0.15	0.24
2/13/2017	186	26%	2.30	0.22	0.40	1.38	1.40	0.31	0.70	0.17	0.25
2/14/2017	160	31%	1.99	0.19	0.34	1.18	1.20	0.27	0.60	0.14	0.23
2/15/2017	150	34%	1.87	0.18	0.32	1.11	1.13	0.25	0.57	0.14	0.23
2/16/2017	160	31%	1.99	0.19	0.34	1.18	1.20	0.27	0.60	0.14	0.23
2/17/2017	143	35%	1.79	0.00	0.30	1.06	1.08	0.00	0.54	0.00	0.22
2/18/2017	134	38%	1.68	0.00	0.29	1.00	1.01	0.00	0.50	0.00	0.22
2/19/2017	183	27%	2.27	0.22	0.39	1.36	1.38	0.31	0.69	0.16	0.29
2/20/2017	287	14%	3.60	0.35	0.63	2.17	2.20	0.49	1.08	0.26	0.31
2/21/2017	282	14%	3.54	0.34	0.62	2.13	2.16	0.48	1.06	0.25	0.29
2/22/2017	258	17%	3.20	0.31	0.55	1.93	1.95	0.43	0.96	0.23	0.31
2/23/2017	251	17%	3.09	0.30	0.54	1.86	1.88	0.42	0.93	0.22	0.33
2/24/2017	253	17%	3.12	0.30	0.54	1.88	1.90	0.42	0.94	0.22	0.33
2/25/2017	257	17%	3.18	0.31	0.55	1.92	1.94	0.43	0.96	0.23	0.35
2/26/2017	397	8%	4.85	0.48	0.86	2.95	2.99	0.66	1.46	0.35	0.37
2/27/2017	321	12%	4.04	0.39	0.71	2.45	2.48	0.55	1.21	0.29	0.31
2/28/2017	259	16%	3.21	0.31	0.56	1.93	1.96	0.43	0.97	0.23	0.31
3/1/2017	244	18%	2.99	0.29	0.52	1.80	1.82	0.40	0.90	0.21	0.34
3/2/2017	256	17%	3.16	0.31	0.55	1.91	1.93	0.43	0.95	0.23	0.30
3/3/2017	204	23%	2.51	0.24	0.43	1.51	1.53	0.34	0.76	0.18	0.26
3/4/2017	168	30%	2.07	0.20	0.35	1.24	1.25	0.28	0.63	0.15	0.25
3/5/2017	142	36%	1.78	0.00	0.30	1.06	1.07	0.00	0.54	0.00	0.23
3/6/2017	131	39%	1.64	0.00	0.28	0.98	0.99	0.00	0.49	0.00	0.24
3/7/2017	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.30
3/8/2017	144	35%	1.80	0.00	0.31	1.07	1.09	0.00	0.54	0.00	0.26
3/9/2017	142	36%	1.78	0.00	0.30	1.06	1.07	0.00	0.54	0.00	0.24
3/10/2017	133	38%	1.66	0.00	0.28	0.99	1.00	0.00	0.50	0.00	0.23
3/11/2017	122	41%	1.54	0.00	0.26	0.92	0.93	0.00	0.46	0.00	0.22

3/12/2017	103	48%	1.33	0.00	0.23	0.79	0.80	0.00	0.40	0.00	0.20
3/13/2017	94	51%	1.22	0.00	0.21	0.73	0.74	0.00	0.36	0.00	0.20
3/14/2017	147	34%	1.83	0.00	0.31	1.09	1.11	0.00	0.55	0.00	0.20
3/15/2017	184	27%	2.28	0.22	0.39	1.36	1.38	0.31	0.69	0.16	0.21
3/16/2017	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.21
3/17/2017	114	44%	1.45	0.00	0.25	0.86	0.87	0.00	0.43	0.00	0.21
3/18/2017	111	45%	1.42	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.22
3/19/2017	108	46%	1.38	0.00	0.24	0.82	0.83	0.00	0.41	0.00	0.23
3/20/2017	119	42%	1.51	0.00	0.26	0.90	0.91	0.00	0.45	0.00	0.24
3/21/2017	155	32%	1.92	0.19	0.33	1.15	1.16	0.26	0.58	0.14	0.28
3/22/2017	240	19%	2.94	0.28	0.51	1.77	1.79	0.40	0.88	0.21	0.28
3/23/2017	205	23%	2.53	0.24	0.44	1.52	1.54	0.34	0.76	0.18	0.26
3/24/2017	184	27%	2.28	0.22	0.39	1.36	1.38	0.31	0.69	0.16	0.25
3/25/2017	204	23%	2.51	0.24	0.43	1.51	1.53	0.34	0.76	0.18	0.27
3/26/2017	277	15%	3.48	0.34	0.60	2.10	2.12	0.47	1.04	0.25	0.28
3/27/2017	406	8%	4.94	0.49	0.88	3.00	3.04	0.68	1.49	0.36	0.40
3/28/2017	613	4%	7.04	0.72	1.28	4.31	4.37	1.00	2.17	0.53	0.52
3/29/2017	865	2%	9.37	1.00	1.75	5.79	5.87	1.37	2.94	0.74	0.59
3/30/2017	643	4%	7.30	0.75	1.33	4.48	4.54	1.04	2.25	0.55	0.54
3/31/2017	617	4%	7.08	0.72	1.28	4.33	4.39	1.00	2.18	0.53	0.64
4/1/2017	923	2%	9.95	1.07	1.87	6.17	6.25	1.47	3.14	0.79	0.74
4/2/2017	689	3%	7.77	0.80	1.42	4.77	4.84	1.11	2.41	0.59	0.60
4/3/2017	516	5%	6.00	0.60	1.07	3.66	3.71	0.83	1.83	0.44	0.53
4/4/2017	626	4%	7.15	0.73	1.30	4.38	4.44	1.01	2.20	0.54	0.78
4/5/2017	596	4%	6.85	0.70	1.24	4.19	4.25	0.97	2.10	0.52	0.66
4/6/2017	546	5%	6.32	0.64	1.13	3.86	3.91	0.88	1.93	0.47	0.68
4/7/2017	763	3%	8.43	0.88	1.56	5.19	5.26	1.22	2.63	0.65	0.66
4/8/2017	562	5%	6.48	0.65	1.16	3.96	4.01	0.91	1.98	0.48	0.59
4/9/2017	415	8%	5.03	0.49	0.89	3.05	3.10	0.69	1.52	0.37	0.53
4/10/2017	342	11%	4.30	0.42	0.76	2.61	2.64	0.58	1.29	0.31	0.50
4/11/2017	295	13%	3.71	0.36	0.65	2.24	2.27	0.50	1.11	0.27	0.46
4/12/2017	258	17%	3.20	0.31	0.55	1.93	1.95	0.43	0.96	0.23	0.44
4/13/2017	232	19%	2.84	0.27	0.49	1.71	1.73	0.38	0.85	0.20	0.41
4/14/2017	198	24%	2.45	0.24	0.42	1.47	1.49	0.33	0.74	0.18	0.39
4/15/2017	176	28%	2.17	0.21	0.37	1.30	1.32	0.29	0.66	0.16	0.36

4/16/2017	164	31%	2.03	0.20	0.35	1.21	1.23	0.27	0.61	0.15	0.37
4/17/2017	167	30%	2.06	0.20	0.35	1.23	1.24	0.28	0.62	0.15	0.36
4/18/2017	149	34%	1.86	0.18	0.32	1.11	1.12	0.25	0.56	0.13	0.33
4/19/2017	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.31
4/20/2017	144	35%	1.80	0.00	0.31	1.07	1.09	0.00	0.54	0.00	0.35
4/21/2017	192	25%	2.38	0.23	0.41	1.42	1.44	0.32	0.72	0.17	0.44
4/22/2017	197	25%	2.44	0.24	0.42	1.46	1.48	0.33	0.74	0.18	0.35
4/23/2017	166	30%	2.05	0.20	0.35	1.22	1.24	0.28	0.62	0.15	0.33
4/24/2017	145	35%	1.81	0.00	0.31	1.08	1.09	0.00	0.55	0.00	0.36
4/25/2017	147	34%	1.83	0.00	0.31	1.09	1.11	0.00	0.55	0.00	0.34
4/26/2017	260	16%	3.23	0.31	0.56	1.95	1.97	0.44	0.97	0.23	0.35
4/27/2017	260	16%	3.23	0.31	0.56	1.95	1.97	0.44	0.97	0.23	0.32
4/28/2017	214	22%	2.62	0.25	0.45	1.57	1.60	0.35	0.79	0.19	0.32
4/29/2017	181	27%	2.24	0.22	0.39	1.34	1.36	0.30	0.68	0.16	0.31
4/30/2017	159	32%	1.97	0.19	0.34	1.18	1.19	0.27	0.60	0.14	0.29
5/1/2017	144	35%	1.80	0.00	0.31	1.07	1.09	0.00	0.54	0.00	0.28
5/2/2017	148	34%	1.85	0.18	0.31	1.10	1.11	0.25	0.56	0.13	0.30
5/3/2017	134	38%	1.68	0.00	0.29	1.00	1.01	0.00	0.50	0.00	0.28
5/4/2017	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.26
5/5/2017	184	27%	2.28	0.22	0.39	1.36	1.38	0.31	0.69	0.16	0.48
5/6/2017	333	11%	4.18	0.41	0.74	2.53	2.57	0.57	1.26	0.30	0.56
5/7/2017	315	12%	3.97	0.39	0.70	2.40	2.44	0.54	1.19	0.29	0.45
5/8/2017	250	17%	3.07	0.30	0.53	1.85	1.88	0.41	0.92	0.22	0.39
5/9/2017	195	25%	2.42	0.23	0.42	1.45	1.47	0.33	0.73	0.17	0.36
5/10/2017	166	30%	2.05	0.20	0.35	1.22	1.24	0.28	0.62	0.15	0.33
5/11/2017	148	34%	1.85	0.18	0.31	1.10	1.11	0.25	0.56	0.13	0.31
5/12/2017	135	37%	1.69	0.00	0.29	1.01	1.02	0.00	0.51	0.00	0.30
5/13/2017	205	23%	2.53	0.24	0.44	1.52	1.54	0.34	0.76	0.18	0.43
5/14/2017	561	5%	6.47	0.65	1.16	3.95	4.00	0.90	1.98	0.48	0.60
5/15/2017	398	8%	4.86	0.48	0.86	2.95	2.99	0.67	1.47	0.35	0.46
5/16/2017	298	13%	3.75	0.36	0.65	2.26	2.29	0.51	1.13	0.27	0.41
5/17/2017	231	20%	2.82	0.27	0.49	1.70	1.72	0.38	0.85	0.20	0.37
5/18/2017	191	26%	2.37	0.23	0.41	1.42	1.44	0.32	0.71	0.17	0.33
5/19/2017	170	29%	2.10	0.20	0.36	1.26	1.27	0.28	0.64	0.15	0.30
5/20/2017	136	37%	1.70	0.00	0.29	1.01	1.03	0.00	0.51	0.00	0.27

5/21/2017	118	42%	1.49	0.00	0.25	0.89	0.90	0.00	0.45	0.00	0.29
5/22/2017	113	44%	1.44	0.00	0.25	0.86	0.87	0.00	0.43	0.00	0.25
5/23/2017	126	40%	1.58	0.00	0.27	0.94	0.95	0.00	0.47	0.00	0.24
5/24/2017	112	44%	1.43	0.00	0.24	0.85	0.86	0.00	0.43	0.00	0.22
5/25/2017	124	41%	1.56	0.00	0.27	0.93	0.94	0.00	0.47	0.00	0.24
5/26/2017	251	17%	3.09	0.30	0.54	1.86	1.88	0.42	0.93	0.22	0.30
5/27/2017	204	23%	2.51	0.24	0.43	1.51	1.53	0.34	0.76	0.18	0.24
5/28/2017	147	34%	1.83	0.00	0.31	1.09	1.11	0.00	0.55	0.00	0.22
5/29/2017	132	38%	1.65	0.00	0.28	0.98	1.00	0.00	0.50	0.00	0.23
5/30/2017	133	38%	1.66	0.00	0.28	0.99	1.00	0.00	0.50	0.00	0.22
5/31/2017	126	40%	1.58	0.00	0.27	0.94	0.95	0.00	0.47	0.00	0.22
6/1/2017	159	32%	1.97	0.19	0.34	1.18	1.19	0.27	0.60	0.14	0.27
6/2/2017	128	39%	1.61	0.00	0.27	0.96	0.97	0.00	0.48	0.00	0.24
6/3/2017	104	47%	1.34	0.00	0.23	0.80	0.81	0.00	0.40	0.00	0.19
6/4/2017	89.1	53%	1.14	0.00	0.19	0.68	0.69	0.00	0.34	0.00	0.21
6/5/2017	105	47%	1.35	0.00	0.23	0.80	0.81	0.00	0.40	0.00	0.24
6/6/2017	110	45%	1.41	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.24
6/7/2017	110	45%	1.41	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.21
6/8/2017	93.9	51%	1.22	0.00	0.21	0.73	0.73	0.00	0.36	0.00	0.19
6/9/2017	82	56%	1.04	0.00	0.18	0.61	0.62	0.00	0.31	0.00	0.18
6/10/2017	70.5	61%	0.89	0.00	0.15	0.52	0.53	0.00	0.26	0.00	0.17
6/11/2017	58.9	65%	0.76	0.00	0.13	0.44	0.45	0.00	0.22	0.00	0.17
6/12/2017	52	68%	0.60	0.00	0.10	0.35	0.36	0.00	0.18	0.00	0.16
6/13/2017	53.6	67%	0.64	0.00	0.11	0.37	0.38	0.00	0.19	0.00	0.18
6/14/2017	55.3	67%	0.67	0.00	0.11	0.39	0.40	0.00	0.20	0.00	0.20
6/15/2017	48.5	69%	0.53	0.00	0.09	0.31	0.31	0.00	0.16	0.00	0.16
6/16/2017	41.4	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.15
6/17/2017	43.4	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.16
6/18/2017	43.9	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.17
6/19/2017	74.3	59%	0.93	0.00	0.16	0.55	0.55	0.00	0.28	0.00	0.35
6/20/2017	105	47%	1.35	0.00	0.23	0.80	0.81	0.00	0.40	0.00	0.38
6/21/2017	76.4	58%	0.96	0.00	0.16	0.56	0.57	0.00	0.28	0.00	0.26
6/22/2017	54.6	67%	0.66	0.00	0.11	0.39	0.39	0.00	0.20	0.00	0.22
6/23/2017	42.6	72%	0.43	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.18
6/24/2017	69.3	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.18

6/25/2017	63.2	64%	0.81	0.00	0.14	0.48	0.48	0.00	0.24	0.00	0.22
6/26/2017	45.2	71%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.17
6/27/2017	36.6	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.15
6/28/2017	32.3	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.14
6/29/2017	28.1	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.14
6/30/2017	26.3	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.15
7/1/2017	43.5	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.22
7/2/2017	57.9	66%	0.73	0.00	0.12	0.43	0.43	0.00	0.22	0.00	0.21
7/3/2017	46.5	70%	0.50	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.16
7/4/2017	37.4	74%	0.36	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.14
7/5/2017	30.5	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.15
7/6/2017	25.6	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.21
7/7/2017	130	39%	1.63	0.00	0.28	0.97	0.98	0.00	0.49	0.00	0.19
7/8/2017	155	32%	1.92	0.19	0.33	1.15	1.16	0.26	0.58	0.14	0.17
7/9/2017	96.8	50%	1.27	0.00	0.22	0.75	0.76	0.00	0.38	0.00	0.15
7/10/2017	64.2	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.15
7/11/2017	63.9	63%	0.82	0.00	0.14	0.48	0.49	0.00	0.24	0.00	0.16
7/12/2017	75.5	59%	0.94	0.00	0.16	0.55	0.56	0.00	0.28	0.00	0.22
7/13/2017	66.7	62%	0.84	0.00	0.14	0.49	0.50	0.00	0.25	0.00	0.24
7/14/2017	219	21%	2.69	0.26	0.46	1.62	1.64	0.36	0.81	0.19	0.19
7/15/2017	253	17%	3.12	0.30	0.54	1.88	1.90	0.42	0.94	0.22	0.17
7/16/2017	153	33%	1.90	0.18	0.33	1.13	1.15	0.26	0.58	0.14	0.14
7/17/2017	110	45%	1.41	0.00	0.24	0.84	0.85	0.00	0.42	0.00	0.14
7/18/2017	92	52%	1.20	0.00	0.20	0.71	0.72	0.00	0.35	0.00	0.14
7/19/2017	73.3	60%	0.92	0.00	0.15	0.54	0.55	0.00	0.27	0.00	0.13
7/20/2017	56.5	66%	0.70	0.00	0.12	0.41	0.42	0.00	0.21	0.00	0.13
7/21/2017	47.8	69%	0.52	0.00	0.09	0.30	0.31	0.00	0.16	0.00	0.13
7/22/2017	40.9	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.14
7/23/2017	36.2	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.15
7/24/2017	45.1	71%	0.47	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.18
7/25/2017	57.4	66%	0.72	0.00	0.12	0.42	0.43	0.00	0.21	0.00	0.18
7/26/2017	54.6	67%	0.66	0.00	0.11	0.39	0.39	0.00	0.20	0.00	0.14
7/27/2017	40.7	72%	0.40	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.13
7/28/2017	35.6	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.13
7/29/2017	32.7	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.13

7/30/2017	29	79%	0.23	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.13
7/31/2017	27.1	80%	0.00	0.00	0.03	0.12	0.12	0.00	0.00	0.00	0.13
8/1/2017	28.3	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.13
8/2/2017	30.3	78%	0.25	0.00	0.04	0.14	0.15	0.00	0.08	0.00	0.13
8/3/2017	25.6	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.13
8/4/2017	24.6	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
8/5/2017	24.5	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.13
8/6/2017	22.3	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/7/2017	22.7	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/8/2017	24	82%	0.00	0.00	0.03	0.09	0.09	0.00	0.00	0.00	0.13
8/9/2017	22.7	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
8/10/2017	21.3	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
8/11/2017	21.3	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
8/12/2017	53.6	67%	0.64	0.00	0.11	0.37	0.38	0.00	0.19	0.00	0.25
8/13/2017	56.2	66%	0.69	0.00	0.12	0.41	0.41	0.00	0.21	0.00	0.16
8/14/2017	35.2	75%	0.33	0.00	0.05	0.19	0.19	0.00	0.10	0.00	0.14
8/15/2017	27.5	80%	0.00	0.00	0.03	0.12	0.12	0.00	0.00	0.00	0.14
8/16/2017	24.1	82%	0.00	0.00	0.03	0.09	0.09	0.00	0.00	0.00	0.13
8/17/2017	21.7	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
8/18/2017	20.5	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.15
8/19/2017	21.3	86%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.17
8/20/2017	20.9	86%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.14
8/21/2017	18.5	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.14
8/22/2017	17.9	90%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
8/23/2017	17.5	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.17
8/24/2017	19	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.14
8/25/2017	18.7	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.14
8/26/2017	16.9	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.14
8/27/2017	16.4	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.14
8/28/2017	16.3	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.14
8/29/2017	20	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/30/2017	20.4	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
8/31/2017	18.5	89%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/1/2017	16.3	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/2/2017	16.2	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13

9/3/2017	24.4	82%	0.00	0.00	0.03	0.10	0.10	0.00	0.00	0.00	0.15
9/4/2017	28.1	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.14
9/5/2017	29.3	79%	0.23	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.20
9/6/2017	34.4	75%	0.31	0.00	0.05	0.18	0.19	0.00	0.09	0.00	0.31
9/7/2017	42.2	72%	0.42	0.00	0.07	0.25	0.25	0.00	0.13	0.00	0.25
9/8/2017	44.9	71%	0.47	0.00	0.08	0.27	0.28	0.00	0.14	0.00	0.17
9/9/2017	37.6	74%	0.36	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.14
9/10/2017	33.3	76%	0.30	0.00	0.05	0.17	0.18	0.00	0.09	0.00	0.14
9/11/2017	33.4	76%	0.30	0.00	0.05	0.17	0.18	0.00	0.09	0.00	0.14
9/12/2017	33.2	76%	0.30	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.16
9/13/2017	33.8	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.16
9/14/2017	33.8	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.14
9/15/2017	32.5	77%	0.28	0.00	0.05	0.16	0.17	0.00	0.08	0.00	0.13
9/16/2017	33.3	76%	0.30	0.00	0.05	0.17	0.18	0.00	0.09	0.00	0.13
9/17/2017	32.9	76%	0.29	0.00	0.05	0.17	0.17	0.00	0.09	0.00	0.13
9/18/2017	29.4	79%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.13
9/19/2017	19.3	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/20/2017	17.4	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/21/2017	17	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/22/2017	17.4	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/23/2017	15.7	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
9/24/2017	16	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/25/2017	17.5	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/26/2017	19.3	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/27/2017	19	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
9/28/2017	17.6	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
9/29/2017	16.8	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
9/30/2017	15.2	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
10/1/2017	16.4	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/2/2017	17	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/3/2017	16.4	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/4/2017	16.5	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/5/2017	16.9	92%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/6/2017	18.8	88%	0.00	0.00	0.01	0.05	0.05	0.00	0.00	0.00	0.13
10/7/2017	17.3	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13

10/8/2017	15.3	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
10/9/2017	17.5	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
10/10/2017	21.5	85%	0.00	0.00	0.02	0.07	0.07	0.00	0.00	0.00	0.13
10/11/2017	22.2	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
10/12/2017	19.8	87%	0.00	0.00	0.02	0.06	0.06	0.00	0.00	0.00	0.13
10/13/2017	17.2	91%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/14/2017	16.2	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/15/2017	15.8	94%	0.00	0.00	0.01	0.02	0.03	0.00	0.00	0.00	0.13
10/16/2017	16.2	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/17/2017	17.2	91%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/18/2017	17.6	91%	0.00	0.00	0.01	0.04	0.04	0.00	0.00	0.00	0.13
10/19/2017	16.2	93%	0.00	0.00	0.01	0.03	0.03	0.00	0.00	0.00	0.13
10/20/2017	14.6	95%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
10/21/2017	15.7	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
10/22/2017	15.4	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
10/23/2017	12.9	97%	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.13
10/24/2017	28.1	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.14
10/25/2017	46.3	70%	0.49	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.15
10/26/2017	31.1	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.13
10/27/2017	22.4	84%	0.00	0.00	0.02	0.08	0.08	0.00	0.00	0.00	0.13
10/28/2017	15.7	94%	0.00	0.00	0.01	0.02	0.02	0.00	0.00	0.00	0.13
10/29/2017	82.9	55%	1.05	0.00	0.18	0.62	0.63	0.00	0.31	0.00	0.29
10/30/2017	592	4%	6.81	0.69	1.23	4.16	4.22	0.96	2.09	0.51	0.42
10/31/2017	303	13%	3.81	0.37	0.67	2.31	2.34	0.52	1.15	0.28	0.22
11/1/2017	122	41%	1.54	0.00	0.26	0.92	0.93	0.00	0.46	0.00	0.19
11/2/2017	88.1	53%	1.13	0.00	0.19	0.67	0.68	0.00	0.33	0.00	0.18
11/3/2017	69.1	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.18
11/4/2017	50.7	68%	0.58	0.00	0.10	0.34	0.34	0.00	0.17	0.00	0.17
11/5/2017	47.1	70%	0.51	0.00	0.08	0.30	0.30	0.00	0.15	0.00	0.16
11/6/2017	45.4	70%	0.48	0.00	0.08	0.28	0.28	0.00	0.14	0.00	0.16
11/7/2017	46.3	70%	0.49	0.00	0.08	0.29	0.29	0.00	0.15	0.00	0.16
11/8/2017	47.7	70%	0.52	0.00	0.09	0.30	0.31	0.00	0.15	0.00	0.17
11/9/2017	43.8	71%	0.45	0.00	0.07	0.26	0.27	0.00	0.14	0.00	0.16
11/10/2017	44.6	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.15
11/11/2017	40.2	73%	0.40	0.00	0.07	0.23	0.23	0.00	0.12	0.00	0.15

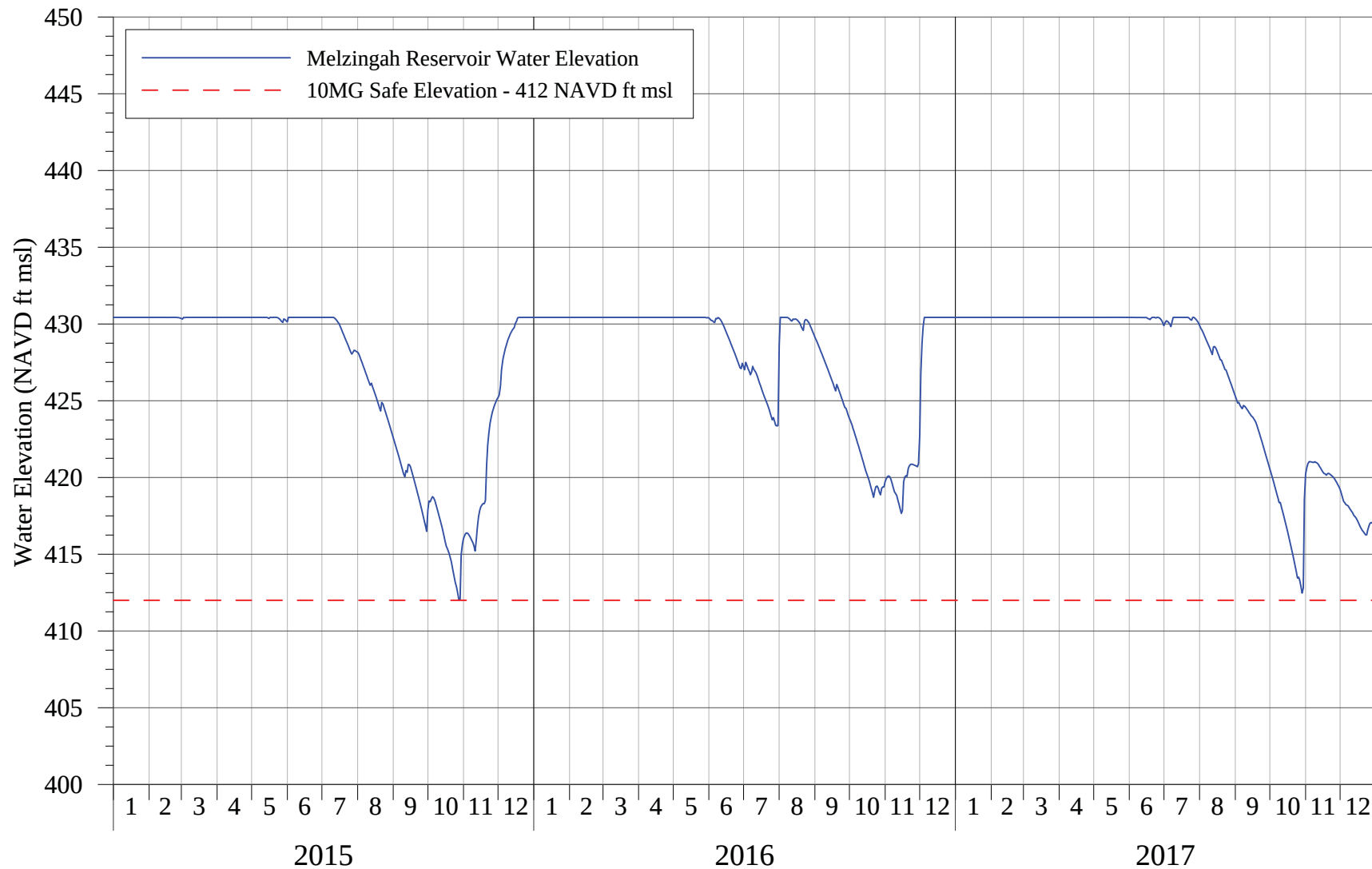
11/12/2017	32.3	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.14
11/13/2017	32.4	77%	0.28	0.00	0.05	0.16	0.16	0.00	0.08	0.00	0.15
11/14/2017	32.1	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.19
11/15/2017	31.6	77%	0.26	0.00	0.04	0.15	0.16	0.00	0.08	0.00	0.16
11/16/2017	34.6	75%	0.32	0.00	0.05	0.18	0.19	0.00	0.10	0.00	0.16
11/17/2017	43.4	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.15
11/18/2017	39.9	73%	0.39	0.00	0.07	0.23	0.23	0.00	0.12	0.00	0.15
11/19/2017	44	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.18
11/20/2017	52.9	67%	0.62	0.00	0.10	0.36	0.37	0.00	0.19	0.00	0.16
11/21/2017	44.3	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.15
11/22/2017	40.6	72%	0.40	0.00	0.07	0.23	0.24	0.00	0.12	0.00	0.15
11/23/2017	43.9	71%	0.45	0.00	0.08	0.26	0.27	0.00	0.14	0.00	0.15
11/24/2017	39.7	73%	0.39	0.00	0.07	0.23	0.23	0.00	0.12	0.00	0.14
11/25/2017	36.3	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.14
11/26/2017	33.8	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.14
11/27/2017	33.6	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.14
11/28/2017	31.2	77%	0.26	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.14
11/29/2017	30.7	78%	0.25	0.00	0.04	0.15	0.15	0.00	0.08	0.00	0.14
11/30/2017	29	79%	0.23	0.00	0.04	0.13	0.13	0.00	0.07	0.00	0.14
12/1/2017	28.3	79%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.15
12/2/2017	27.9	80%	0.00	0.00	0.04	0.13	0.13	0.00	0.00	0.00	0.16
12/3/2017	26.3	81%	0.00	0.00	0.03	0.11	0.11	0.00	0.00	0.00	0.15
12/4/2017	41.4	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.15
12/5/2017	34.3	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.15
12/6/2017	40.9	72%	0.41	0.00	0.07	0.24	0.24	0.00	0.12	0.00	0.18
12/7/2017	44.1	71%	0.45	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.16
12/8/2017	36.5	74%	0.34	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.16
12/9/2017	33.8	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.16
12/10/2017	34.2	75%	0.31	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.16
12/11/2017	32.5	77%	0.28	0.00	0.05	0.16	0.17	0.00	0.08	0.00	0.17
12/12/2017	33.6	76%	0.30	0.00	0.05	0.18	0.18	0.00	0.09	0.00	0.20
12/13/2017	36.8	74%	0.35	0.00	0.06	0.20	0.21	0.00	0.11	0.00	0.20
12/14/2017	37.1	74%	0.35	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.17
12/15/2017	32.6	76%	0.28	0.00	0.05	0.16	0.17	0.00	0.09	0.00	0.19
12/16/2017	31.5	77%	0.26	0.00	0.04	0.15	0.16	0.00	0.08	0.00	0.18

12/17/2017	29.6	78%	0.24	0.00	0.04	0.14	0.14	0.00	0.07	0.00	0.17
12/18/2017	31.9	77%	0.27	0.00	0.04	0.16	0.16	0.00	0.08	0.00	0.17
12/19/2017	35.8	75%	0.33	0.00	0.06	0.19	0.20	0.00	0.10	0.00	0.17
12/20/2017	38.4	73%	0.37	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.17
12/21/2017	38.8	73%	0.38	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.17
12/22/2017	37.7	74%	0.36	0.00	0.06	0.21	0.21	0.00	0.11	0.00	0.16
12/23/2017	48	69%	0.52	0.00	0.09	0.31	0.31	0.00	0.16	0.00	0.20
12/24/2017	78.5	57%	0.99	0.00	0.17	0.58	0.59	0.00	0.29	0.00	0.21
12/25/2017	77.8	58%	0.98	0.00	0.16	0.58	0.58	0.00	0.29	0.00	0.19
12/26/2017	69.1	61%	0.87	0.00	0.15	0.51	0.52	0.00	0.26	0.00	0.24
12/27/2017	54.1	67%	0.65	0.00	0.11	0.38	0.39	0.00	0.19	0.00	0.20
12/28/2017	44.3	71%	0.46	0.00	0.08	0.27	0.27	0.00	0.14	0.00	0.26
12/29/2017	43.1	71%	0.44	0.00	0.07	0.26	0.26	0.00	0.13	0.00	0.30
12/30/2017	38.9	73%	0.38	0.00	0.06	0.22	0.22	0.00	0.11	0.00	0.29
12/31/2017	35.9	75%	0.33	0.00	0.06	0.20	0.20	0.00	0.10	0.00	0.21

APPENDIX IV

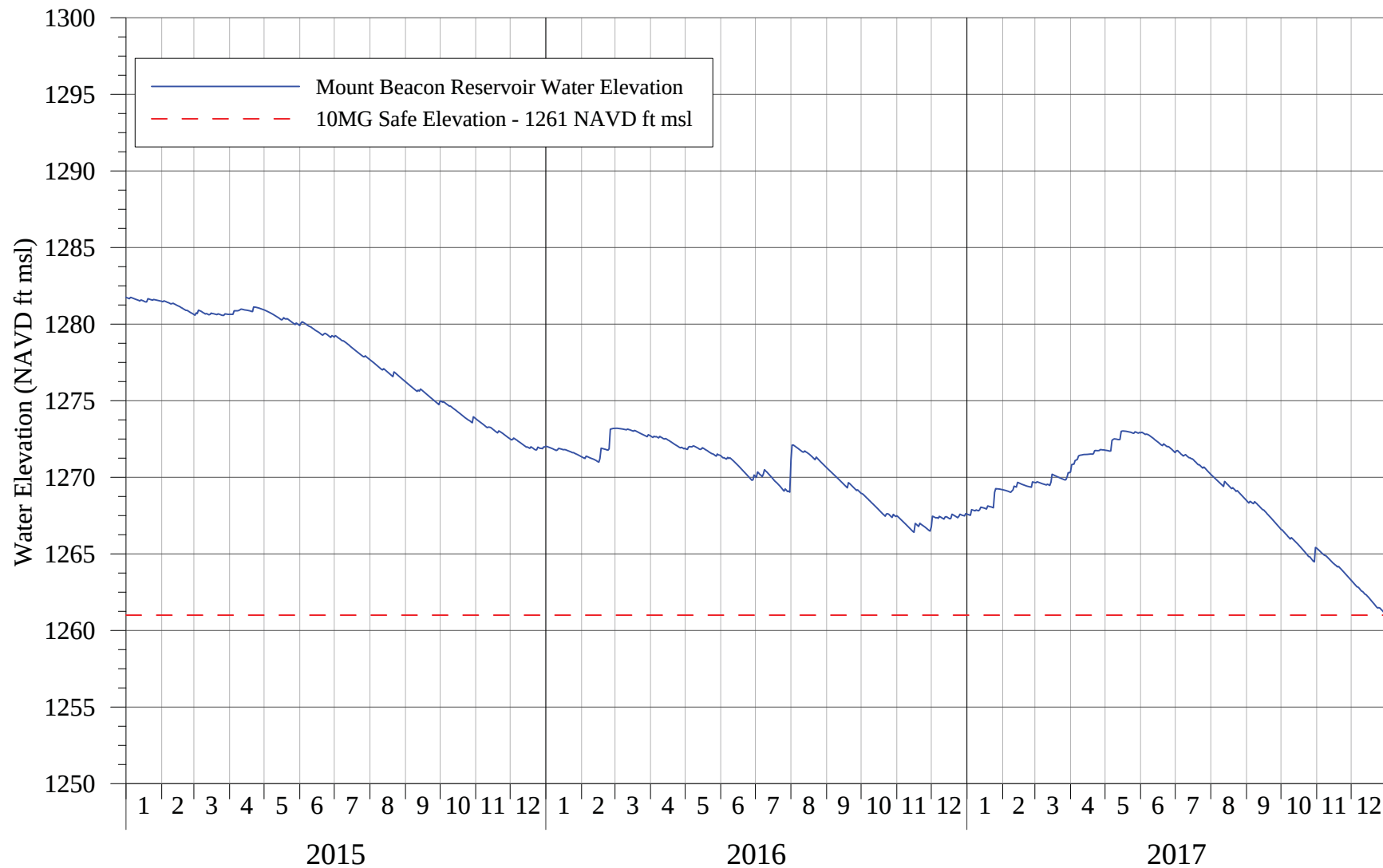
RESERVOIR SAFE YIELD ANALYSIS
CITY OF BEACON, NEW YORK

Simulated Hydrograph of Reservoir Stage at Melzingah Reservoir
During Current Period (2015-2017)



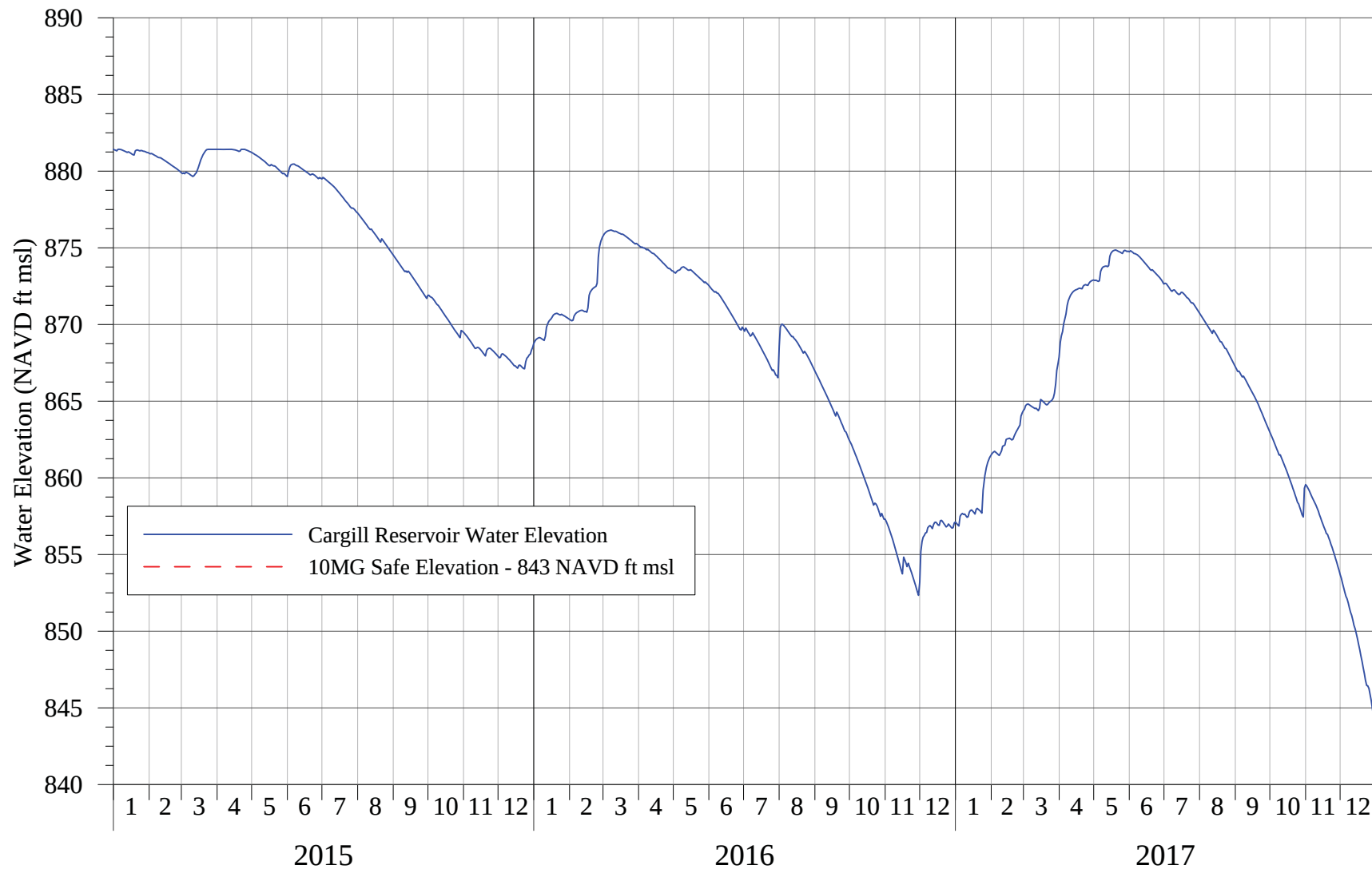
RESERVOIR SAFE YIELD ANALYSIS
CITY OF BEACON, NEW YORK

Simulated Hydrograph of Reservoir Stage at Mount Beacon Reservoir
During Current Period (2015-2017)



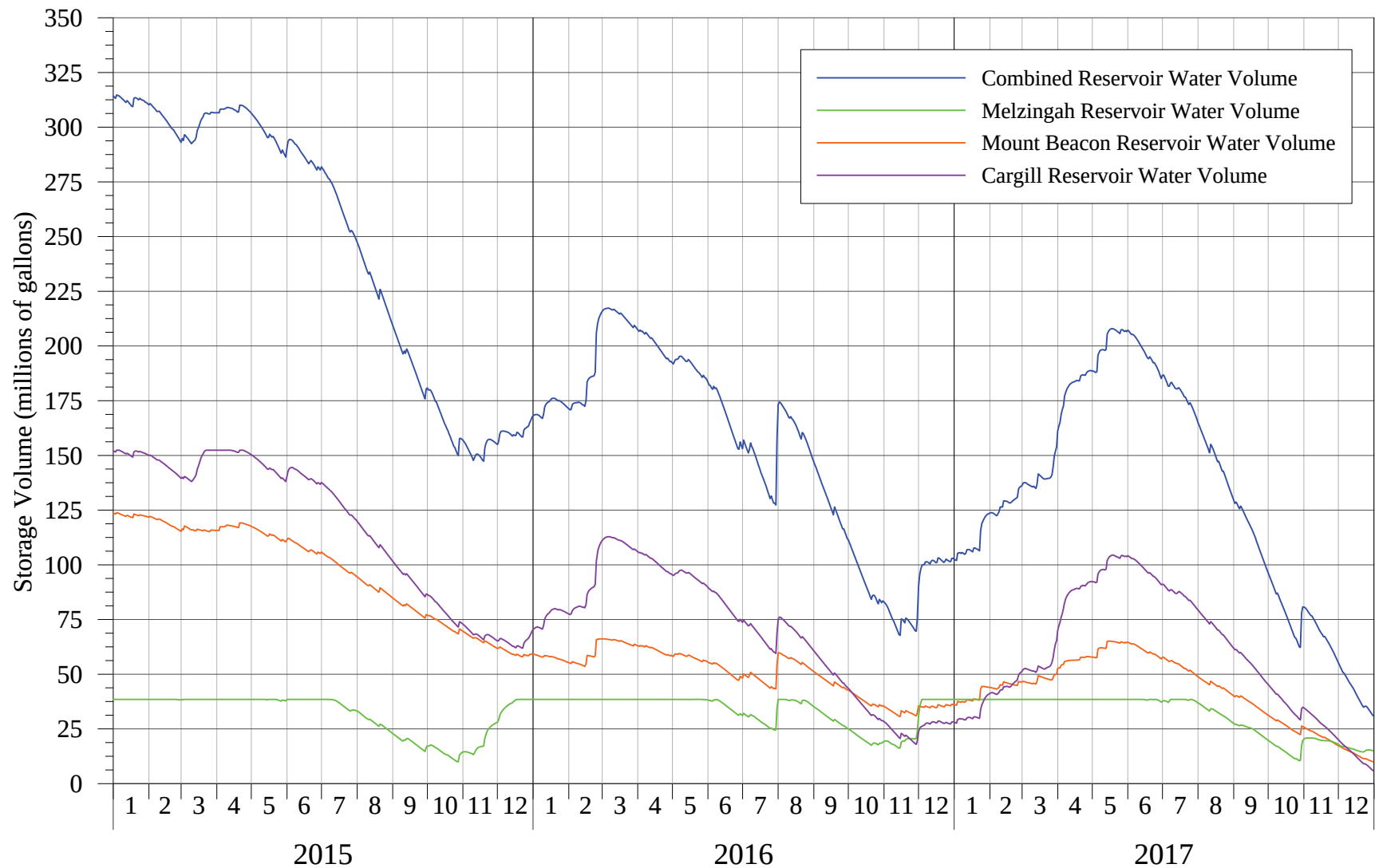
RESERVOIR SAFE YIELD ANALYSIS
CITY OF BEACON, NEW YORK

Simulated Hydrograph of Reservoir Stage at Cargill Reservoir
During Current Period (2015-2017)



RESERVOIR SAFE YIELD ANALYSIS CITY OF BEACON, NEW YORK

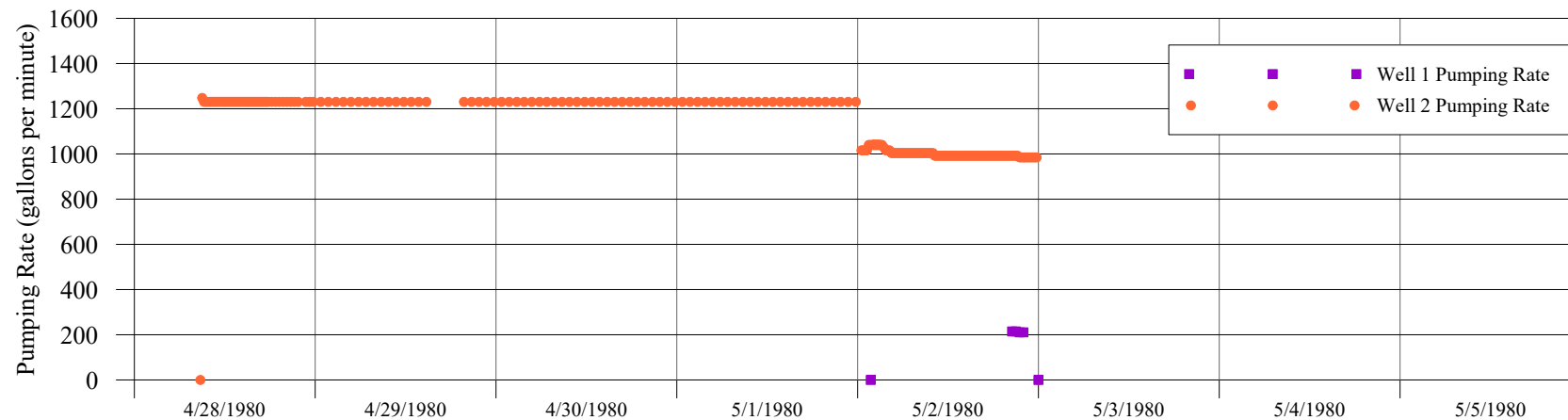
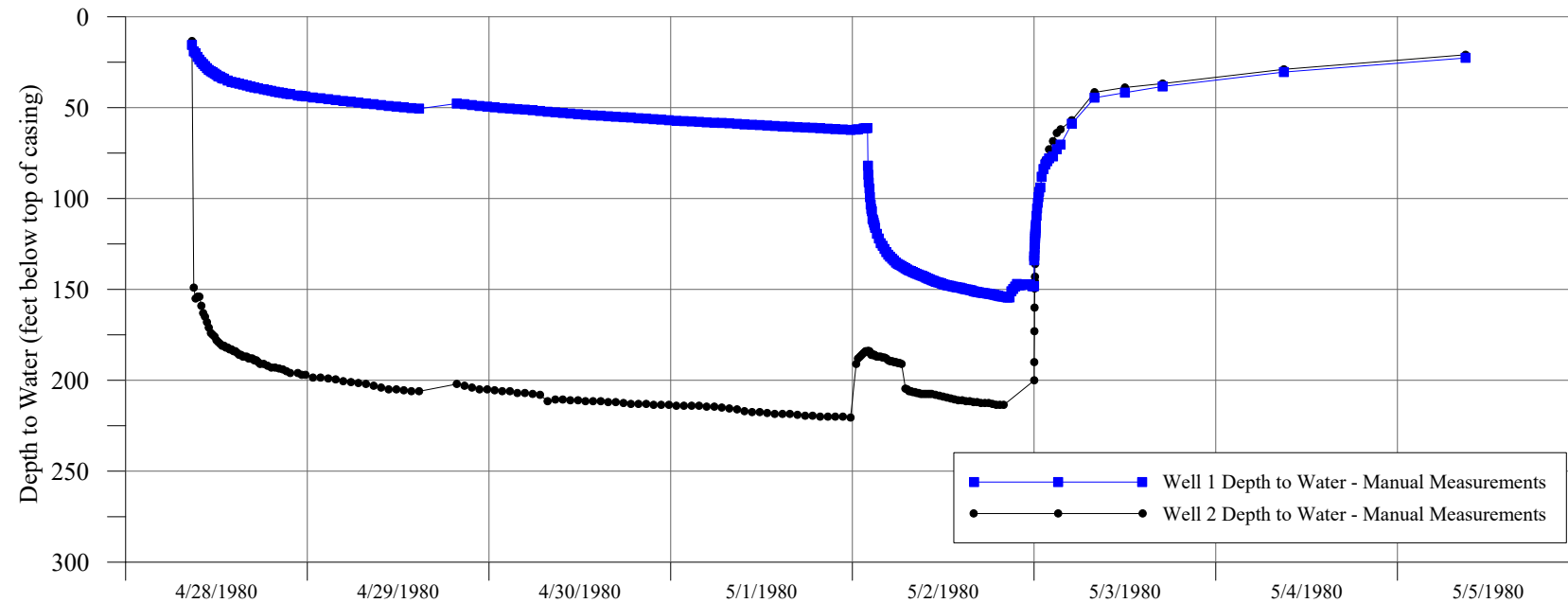
Simulated Hydrograph of Reservoir Storage Volumes for
City of Beacon Reservoirs During Current Period (2015-2017)



APPENDIX V

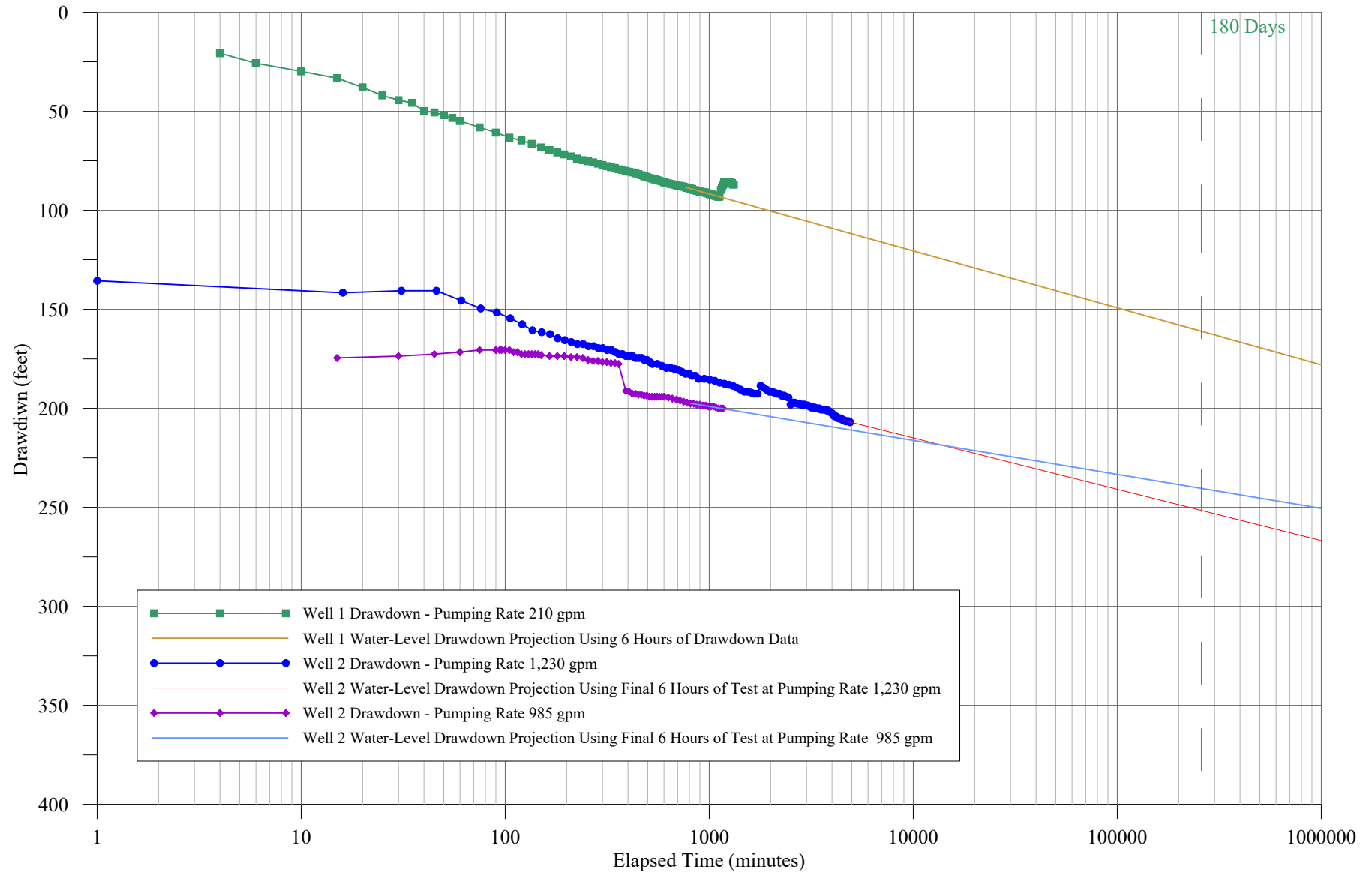
**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Hydrograph of Water-Level Measurements Collected from Wells 1 and 2 in April/May 1980



**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Graph of Water-Level Drawdown Projections for Wells 1 and 2 from Water-level Measurements Collected in April/May 1980



FORM 23 3M-3-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No.

WELL No. 2

RECORD OF TEST

DATE 4/28/80

FOR CITY OF BOSTON No. 1

WELL LOCATED AT (085) No. 2

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
8:45 AM	25-9		28-7½		26-5			
9:00			31-2½		162'		15.5"	1248 gpm
9:15			33-1		168'		15.0	1230 gpm
9:30			35-1½		167'		15.0	1230 gpm
9:45			36-7½		167'		15.0	1230 gpm
10:00			38-0		172		15.0	1230 gpm
10:15			39-1		176		15.0	1230 gpm
10:30			40-2		178		15.0	1230 gpm
10:45			41-3		181		15.0	1230 "
11:00			42-3		184		15.0	1230 "
11:15			43-1		187		15.0	1230 "
11:30			43-7		188		15.0	1230 "
11:45			44-3		189		15.0	1230 "
12:00 Noon			45-0		191		15.0	1230 "
12:15 PM			45-8		192		15.0	1230 "
12:30			46-1		193		15.0	1230 "
12:45			46-8		194		15.0	1230
1:00			47-2		194		15.0	1230

MAKE AND SIZE OF ENGINE OR MOTOR USED

REMARKS:

DESCRIPTION OF PUMP USED

TYPE TLC

STAGES 3

SIZE 14"

SHOP NO.

DISCHARGE 3" x 10'

DEPTH OF SETTING 365-7"

SUCTION 10 FT. OF 10 INCH PIPE

SIZE OF PULLEY GEAR HEAD

8 INCH ORIFICE ON 10" PIPE

WIDTH OF WEIR

DEPTH AIR LINE 360'

AIR PRESSURE WHEN NOT PUMPING 333' 6"

STATIC LEVEL 26'-5"

HEIGHT OF GAUGE ABOVE BASE { MAIN GAUGE
PUMP GAUGE

SH257

FORM 23 3M-3-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____
WELL No. 2
FOR _____
WELL LOCATED AT (285) N. J. DATE 4/25/81

RECORD OF TEST

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
1 ¹⁵					195		15.0	1230
1 ³⁰	48-2		48-2		195		15.0	1230
1 ⁴⁵					196		15.0	1320
2 ⁰⁰	48-11		48-11		196		15.0	1230
2 ¹⁵					197		15.0	1020
2 ³⁰	49-4 $\frac{1}{2}$		49-4 $\frac{1}{2}$		197		15.0	1030
2 ⁴⁵					198		15.0	1030
3 ⁰⁰	49-10 $\frac{1}{2}$		49-10 $\frac{1}{2}$		199		15.0	1020
3 ¹⁵					199		15.0	1030
3 ³⁰	50-4 $\frac{1}{2}$		50-4 $\frac{1}{2}$		200		15.0	1030
3 ⁴⁵					200			
4 ⁰⁰			50-10 $\frac{1}{2}$		200			
4 ¹⁵					201			
4 ³⁰			51-5 $\frac{1}{2}$		201			
4 ⁴⁵					201			
5 ⁰⁰			52-0		202			
5 ¹⁵					202			
5 ³⁰			52-4		203		V	

MAKE AND SIZE OF ENGINE OR MOTOR USED

REMARKS:

DESCRIPTION OF PUMP USED			SIZE OF PULLEY	
TYPE			INCH ORIFICE ON	PIPE
STAGES			WIDTH OF WEIR	
SIZE			DEPTH AIR LINE	
SHOP NO.			AIR PRESSURE WHEN NOT PUMPING	
DISCHARGE			STATIC LEVEL	
DEPTH OF SETTING			HEIGHT OF GAUGE ABOVE BASE	{ MAIN GAUGE PUMP GAUGE
SUCTION	FT. OF	INCH PIPE		

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No.

WELL No.

FOR

WELL LOCATED AT

RECORD OF TEST

DATE

4/28/50

4/29/50

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
5:45					204		15.0	1230
6:15			53		204		15.0	1230
6:45			53-4½		205		15.0	1230
7:15			53-9'		206		15.0	1230
7:45			54-3'		206		15.0	1230
8:15			54-7½		206.5		15.0	1230
8:45			55-0		207		15.0	1220
9:15			55-4		208		15.0	1220
9:45			55-8½		209		15.0	1220
10:15			56-14		209		15.0	1230
10:45			56-8		210		15.0	1230
11:15			56-10½		210			
12:15			57-5½		211.5			
1:45			57-11		211.5			
2:45			58-5		212			
3:45			58-10½		212.5			
4:45			59-4		213.5			
5:45			59-9½		214			

MAKE AND SIZE OF ENGINE OR MOTOR USED

REMARKS:

DESCRIPTION OF PUMP USED

TYPE

STAGES

SIZE

SHOP NO.

DISCHARGE

DEPTH OF SETTING

SUCTION

FT. OF

INCH PIPE

SIZE OF PULLEY

INCH ORIFICE ON

PIPE

WIDTH OF WEIR

DEPTH AIR LINE

AIR PRESSURE WHEN NOT PUMPING

STATIC LEVEL

 HEIGHT OF GAUGE { MAIN GAUGE
 ABOVE BASE { PUMP GAUGE

WITNESS FOR PURCHASER

FOR LAYNE-NEW YORK CO.

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____

WELL No. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE 4/29/80 4/80

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
7 ⁴⁵			60-9		215		15	1230
8 ⁴⁵			61-2½		216			
9 ⁴⁵			61-8		217			
10 ⁴⁵			62-1½		218			
11 ⁴⁵			62-5½		218			
12 ⁴⁵ PM			62-11		218.5			
1 ⁴⁵			63-3½		219			
2 ⁴⁵			63-6½		219			
3 ⁴⁵			63-11		220			
4 ⁴⁵			64-2		220			
5 ⁴⁵			64-6		220.5			
6 ⁴⁵			64-10		221			
7 ⁴⁵			65-3		224.5 (UPPER ENGINE RPM'S)			
8 ⁴⁵			65-8		223.6			
9 ⁴⁵			66-0		223.6			
10 ⁴⁵			66-3½		224			
11 ⁴⁵			66'-8		224			
12 ⁴⁵ PM			66-11½		224.5			

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED

TYPE _____

STAGES _____

SIZE _____

SHOP NO. _____

DISCHARGE _____

DEPTH OF SETTING _____

SUCTION _____

FT. OF _____

INCH PIPE _____

SIZE OF PULLEY

INCH ORIFICE ON _____

PIPE _____

WIDTH OF WEIR _____

DEPTH AIR LINE _____

AIR PRESSURE WHEN NOT PUMPING _____

STATIC LEVEL _____

 HEIGHT OF GAUGE { MAIN GAUGE
 ABOVE BASE { PUMP GAUGE

FORM 23 3M-3-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES NO. _____

WELL NO. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE 4/30

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
1 ⁴⁵			67-3		224.5		15	1230
2 ⁴⁵			67-6		224.5		↓	↓
3 ⁴⁵			67-9		225		↓	↓
4 ⁴⁵			68-1		225			
5 ⁴⁵			68-3		225.5			
6 ⁴⁵			68-6		226			
7 ⁴⁵			68-10 $\frac{1}{2}$		226			
8 ⁴⁵			69- $\frac{1}{2}$		226			
9 ⁴⁵			69-5		226-6			
10 ⁴⁵			69-8 $\frac{1}{2}$		226.5			
11 ⁴⁵			70-0		226.5			
12 ⁴⁵			70-3		227			
1 ⁴⁵			70-6		227			
2 ⁴⁵			70-8 $\frac{1}{2}$		227			
3 ⁴⁵			70-11		227			
4 ⁴⁵			71-2		227.5			
5 ⁴⁵			71-4		227.5			
6 ⁴⁵			71-6		228			

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED			SIZE OF PULLEY	
TYPE			INCH ORIFICE ON	PIPE
STAGES			WIDTH OF WEIR	
SIZE			DEPTH AIR LINE	
SHOP NO.			AIR PRESSURE WHEN NOT PUMPING	
DISCHARGE			STATIC LEVEL	
DEPTH OF SETTING			HEIGHT OF GAUGE { MAIN GAUGE	
SUCTION	FT. OF	INCH PIPE	ABOVE BASE { PUMP GAUGE	

WITNESS FOR PURCHASER _____

FOR LAYNE-NEW YORK CO. _____

FORM 23-3M-5-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES NO. _____

WELL NO. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE 4/30-5/1/80

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
7:45			71-8 1/2		228.5		15	1230
8:45			71-11 1/2		229		↓	↓
9:45			72-3		230		↓	↓
10:45			72-6		230.5			
11:45			72-8 1/2		230.5			
12:45 PM			72-11		231			
1:45			73-2		231.5			
2:45			73-5		231.5			
3:45			73-7		231.5			
4:45			73-9 1/2		232			
5:45			74-0		232.5			
6:45			74-2 1/2		232.5			
7:45			74-5		233			
8:45			74-7 1/2		233			
9:45			74-10		233			
10:45			75-1		233			
11:45			75-3		233.5			

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED

TYPE _____

STAGES _____

SIZE _____

SHOP NO. _____

DISCHARGE _____

DEPTH OF GETTING _____

SUCTION _____

FT. OF _____

INCH PIPE _____

SIZE OF PULLEY

INCH ORIFICE ON _____

PIPE _____

WIDTH OF WEIR _____

DEPTH AIR LINE _____

AIR PRESSURE WHEN NOT PUMPING _____

STATIC LEVEL _____

HEIGHT OF GAUGE ABOVE BASE { MAIN GAUGE
PUMP GAUGE

FORM 23, 3M-3-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES NO. _____
WELL NO. _____
FOR _____
WELL LOCATED AT N01
(005)

RECORD OF TEST

DATE 5/1/80

N02

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
<u>1215</u>		<u>CUT</u>	<u>BACK</u>	<u>TO</u>			<u>9 1/2</u>	<u>1016</u>
<u>1230</u>			<u>75 1/2</u>		<u>204</u>			<u>1016</u>
<u>1245</u>			<u>75</u>		<u>201</u>			<u>1016</u>
<u>1300</u>					<u>200</u>			<u>1016</u>
<u>1315</u>					<u>199</u>			<u>1016</u>
<u>1330</u>			<u>74-6</u>		<u>198</u>		<u>10.0</u>	<u>1040</u>
<u>1345</u>			<u>74-4</u>		<u>197</u>		<u>10 1/2</u>	<u>1040</u>
<u>2000</u>			<u>74-3</u>		<u>197</u>		<u>"</u>	<u>1040</u>
<u>2044</u>			<u>95</u>	<u>START NO. 2 PUMP</u>	<u>197</u>		<u>10 1/2</u>	<u>1040</u>
<u>206</u>			<u>100</u>		<u>197</u>			
<u>210</u>			<u>104-2</u>		<u>197</u>			
<u>215</u>			<u>107-7</u>		<u>197</u>			
<u>220</u>			<u>112-3</u>		<u>198</u>		<u>10 1/2</u>	<u>1040?</u>
<u>225</u>			<u>116-4</u>		<u>198</u>		<u>10 1/2</u>	
<u>230</u>			<u>118-3 1/2</u>		<u>199</u>			
<u>235</u>			<u>120-1/2</u>		<u>199</u>			
<u>240</u>			<u>124-3 1/2</u>		<u>199</u>			
<u>245</u>			<u>124-11</u>		<u>199</u>			

MAKE AND SIZE OF ENGINE OR MOTOR USED

REMARKS:

DESCRIPTION OF PUMP USED			SIZE OF PULLEY	
TYPE			INCH ORIFICE ON	PIPE
STAGES			WIDTH OF WEIR	
SIZE			DEPTH AIR LINE	
SHOP NO.			AIR PRESSURE WHEN NOT PUMPING	
DISCHARGE			STATIC LEVEL	
DEPTH OF SETTING			HEIGHT OF GAUGE ABOVE BASE	{ MAIN GAUGE PUMP GAUGE
SUCTION	FT. OF	INCH PIPE		

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____

WELL No. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE 5/1/80

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
350			126-3 $\frac{1}{2}$		199		10 $\frac{1}{2}$	1040
255			127-3		199		10 $\frac{1}{4}$	
300			129-2		199.5		10 $\frac{1}{4}$	
315			132-5 $\frac{1}{2}$		200		10	
330			135- $\frac{1}{2}$		200		9 $\frac{3}{4}$	1028
345			137-7 $\frac{1}{2}$		200		9 $\frac{1}{2}$	1016
400			139- $\frac{1}{2}$		200.5		9 $\frac{1}{2}$	1016
415			140-8 $\frac{1}{2}$		200.5		9 $\frac{1}{2}$	1018
430			142-8 $\frac{1}{2}$		201		9 $\frac{1}{4}$	1004
445			143-11		202			
500			145-1		202.5			
515			146-1 $\frac{1}{2}$		202.5			
530			147-2		203			
545			148-3		203			
600			149-		203.5			
615			149-6 $\frac{1}{2}$		203.5			
630			150-1 $\frac{1}{2}$		204			
645			150-9					

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED			SIZE OF PULLEY	
TYPE			INCH ORIFICE ON	PIPE
STAGES			WIDTH OF WEIR	
SIZE			DEPTH AIR LINE	
SHOP NO.			AIR PRESSURE WHEN NOT PUMPING	
DISCHARGE			STATIC LEVEL	
DEPTH OF SETTING			HEIGHT OF GAUGE ABOVE BASE	MAIN GAUGE PUMP GAUGE
SUCTION	FT. OF	INCH PIPE		

WITNESS FOR PURCHASER _____

FOR LAYNE-NEW YORK CO. _____

FORM 25 34-5-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No.

WELL No.

FOR

WELL LOCATED AT

RECORD OF TEST

DATE 5/1

N01

N02

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
7 ⁰⁰			151-5		204.6		9 1/4	1004
7 ¹⁵			152-0		205			
7 ³⁰			152-7 1/2		206			
7 ⁴⁵			152-11 1/2		206			
8 ⁰⁰			153-7		206.5			
8 ¹⁵			154		206.5			
8 ³⁰			154-6		207			
8 ⁴⁵			154-10		207			
9 ⁰⁰			155-2 1/2		207.5			
9 ¹⁵			155-8		207.5			
9 ³⁰			156-		207.5			
9 ⁴⁵			156-7 1/2		207.5		↓	
10 ⁰⁰			157-2				↓	
10 ¹⁵			157-5				9	992
10 ³⁰			157-11				9	972
10 ⁴⁵			158-3					
11 ⁰⁰			158-9		208			
11 ¹⁵			159-2				↓	

MAKE AND SIZE OF ENGINE OR MOTOR USED

REMARKS:

DESCRIPTION OF PUMP USED

TYPE _____
STAGES _____
SIZE _____
SHOP NO. _____
DISCHARGE _____
DEPTH OF SETTING _____
SUCTION _____ FT. OF _____ INCH PIPE

SIZE OF PULLEY

INCH ORIFICE ON _____ PIPE _____
WIDTH OF WEIR _____
DEPTH AIR LINE _____
AIR PRESSURE WHEN NOT PUMPING _____
STATIC LEVEL _____
HEIGHT OF GAUGE ABOVE BASE { MAIN GAUGE _____
PUMP GAUGE _____

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____

WELL No. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE _____

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
11:30			159-4 1/2		208.5		9"	972
11:45			159-9					
12:00			160-3		209			
12:15			160-5 1/2					
12:30			160-8 1/2		209.5			
12:45			160-11 1/2					
1-00			161-2		210			
1-15			161-5					
1-30			161-8		210.5			
1-45			161-10 1/2					
2-00			162-0		211			
2-15			162-2					
2-30			162-5		211			
2-45			162-8 1/2					
3-00			163-0		211.5			
3-15			163-2					
3-30			163-4		211.5			
3-45			163-6					

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED

TYPE _____

STAGES _____

SIZE _____

SHOP NO. _____

DISCHARGE _____

DEPTH OF SETTING _____

SUCTION _____ FT. OF _____ INCH PIPE

SIZE OF PULLEY

INCH ORIFICE ON _____ PIPE

WIDTH OF WEIR _____

DEPTH AIR LINE _____

AIR PRESSURE WHEN NOT PUMPING _____

STATIC LEVEL _____

HEIGHT OF GAUGE ABOVE BASE { MAIN GAUGE
PUMP GAUGE

FORM 23 3M-5-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____

WELL No. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE 5/2

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
4:00			164-1		212			
4:15			164-3					
4:30			164-8 1/2		212			
4:45			164-8					
5:00			164-10 1/2		212.5			
5:15			165-0					
5:30			165-1 1/2		212.5			
5:45			165-3"					
6:00			165-5 1/2		212.5			
6:15			165-7 1/2					
6:30			165-9 1/2		213			
6:45			166-1					
7:00			166-3 1/2		213.5			
7:15			166-6					
7:30			166-9		213.5			
7:45			166-11					
8:00			167-1		213.5			
8:15			167-3					

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED			SIZE OF PULLEY	
TYPE			INCH ORIFICE ON	PIPE
STAGES			WIDTH OF WEIR	
SIZE			DEPTH AIR LINE	
SHOP NO.			AIR PRESSURE WHEN NOT PUMPING	
DISCHARGE			STATIC LEVEL	
DEPTH OF SETTING			HEIGHT OF GAUGE ABOVE BASE	MAIN GAUGE PUMP GAUGE
SUCTION	FT. OF	INCH PIPE		

FORM 22 3M-3-77WR

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES NO. _____

WELL NO. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE 5/2/80

N01 N50

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
8:30					167-6	ADJUST	PUMPING RATE (54" diam) 214	8" 772
8:45					167-5 1/2			
9:00					164-1/2		214	
9:15					162-8 1/2			
9:30					161-8 1/2		210	8 1/4 774
9:45					161-1/2			
10:00					160-9 1/2		210	
10:15					160-8 1/2			
10:30					160-4			
10:45					160-3 1/2			
11:00					160-3 1/2			
11:15					160-4 1/2			
11:30					160-5 1/2	160' MOVED 1 1/4" THEN ADJUSTED		
11:45					161-3 1/2			
12:00					161-3 1/2			
12:15					147-0	200	SHUT DOWN RECOVERED Nº2 SHUT DOWN 12:15 1/2	
12:30					145-0	190		
12:45					144-4 1/2	173		

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED				SIZE OF PULLEY	
TYPE				INCH ORIFICE ON	PIPE
STAGES				WIDTH OF WEIR	
SIZE				DEPTH AIR LINE	
SHOP NO.				AIR PRESSURE WHEN NOT PUMPING	
DISCHARGE				STATIC LEVEL	
DEPTH OF SETTING				HEIGHT OF GAUGE ABOVE BASE	{ MAIN GAUGE PUMP GAUGE
SUCTION	FT. OF		INCH PIPE		

FORM 25 3M-3-77WB

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____

WELL No. _____

FOR _____

RECORD OF TEST

DATE _____

WELL LOCATED AT No 1 No 2

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
12 ²⁹					141-5 ¹ / ₂		160	
03					139-11		149.5	
04					138-1		148.5	
07					136-6 ¹ / ₂		143	
08					135-0		136	
09					133-9 ¹ / ₂		132	
12 ¹²					132-8		129	
12 ¹⁴					131-9		126	
13					130-8		124	
13					129-6		121.5	
14					128-2 ¹ / ₂		119.5	
15					127-4 ¹ / ₂		117.5	
20					122-6 ¹ / ₂		110.6	
23					118-6 ¹ / ₂		106.5	
30					115-4 ¹ / ₂		102.5	
32					112-3		99.5	
40					109-4		97	
12 ⁴⁵					107-		94.5	

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED

TYPE _____
STAGES _____
SIZE _____
SHOP NO. _____
DISCHARGE _____
DEPTH OF SETTING _____
SUCTION _____ FT. OF _____ INCH PIPE

SIZE OF PULLEY

INCH ORIFICE ON _____ PIPE _____
WIDTH OF WEIR _____
DEPTH AIR LINE _____
AIR PRESSURE WHEN NOT PUMPING _____
STATIC LEVEL _____
HEIGHT OF GAUGE ABOVE BASE { MAIN GAUGE _____
PUMP GAUGE _____

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No.

WELL No.

FOR

WELL LOCATED. AT

Not

No.

RECORD OF TEST

DATE _____

5/2/80

[illegible]

MAKE AND SIZE OF ENGINE OR MOTOR USED

REMARKS:

DESCRIPTION OF PUMP USED

TYPE

STAGES

SIZE

SHOP NO.

DISCHARGE

DEPTH OF SETTING

SUCTION

FT. OF

INCH PIPE

SIZE OF PULLEY

INCH ORIFICE ON

WIDTH OF WEIR

DEPTH AIR LINE

AIR PRESSURE WHEN NOT PUMPING

STATIC LEVEL

HEIGHT OF GAUGE ABOVE BASE	{ MAIN GAUGE PUMP GAUGE

WITNESS FOR PURCHASER

FOR LAYNE-NEW YORK CO.

LAYNE-NEW YORK CO., INC.

1250 WEST ELIZABETH AVENUE, LINDEN, N. J. 07036

SALES No. _____

WELL No. _____

FOR _____

WELL LOCATED AT _____

RECORD OF TEST

DATE _____

TIME	ENGINE R. P. M.	PUMP R. P. M.	PUMP PRESS.	MAIN PRESS.	PUMPING LEVEL FEET	AIR PRESS. FEET	INCHES WEIR, ORIFICE OR METER	G. P. M.
12 ⁵⁹					141-5 ²		160	
1 ⁰⁰					137-11		149.5	
1 ⁰¹					138-1		145.5	
1 ⁰²					136-6 ¹		143	
1 ⁰³					135-0		136	
1 ⁰⁴					133-9 ¹		132	
1 ⁰⁵					132-8		129	
1 ⁰⁶					131-9		126	
1 ⁰⁷					130-8		124	
1 ⁰⁸					129-6		121.5	
1 ⁰⁹					128-2 ¹		119.5	
1 ¹⁰					127-4 ¹		117.5	
1 ¹¹					122-6 ¹		110.6	
1 ¹²					118-6 ¹		106.5	
1 ¹³					115-4 ¹		102.5	
1 ¹⁴					112-3		99.5	
1 ¹⁵					109-4		97	
1 ¹⁶					107-		94.5	

MAKE AND SIZE OF ENGINE OR MOTOR USED _____

REMARKS: _____

DESCRIPTION OF PUMP USED

TYPE _____

STAGES _____

SIZE _____

SHOP NO. _____

DISCHARGE _____

DEPTH OF SETTING _____

SUCTION _____

FT. OF _____

INCH PIPE _____

SIZE OF PULLEY

INCH ORIFICE ON _____

PIPE _____

WIDTH OF WEIR _____

DEPTH AIR LINE _____

AIR PRESSURE WHEN NOT PUMPING _____

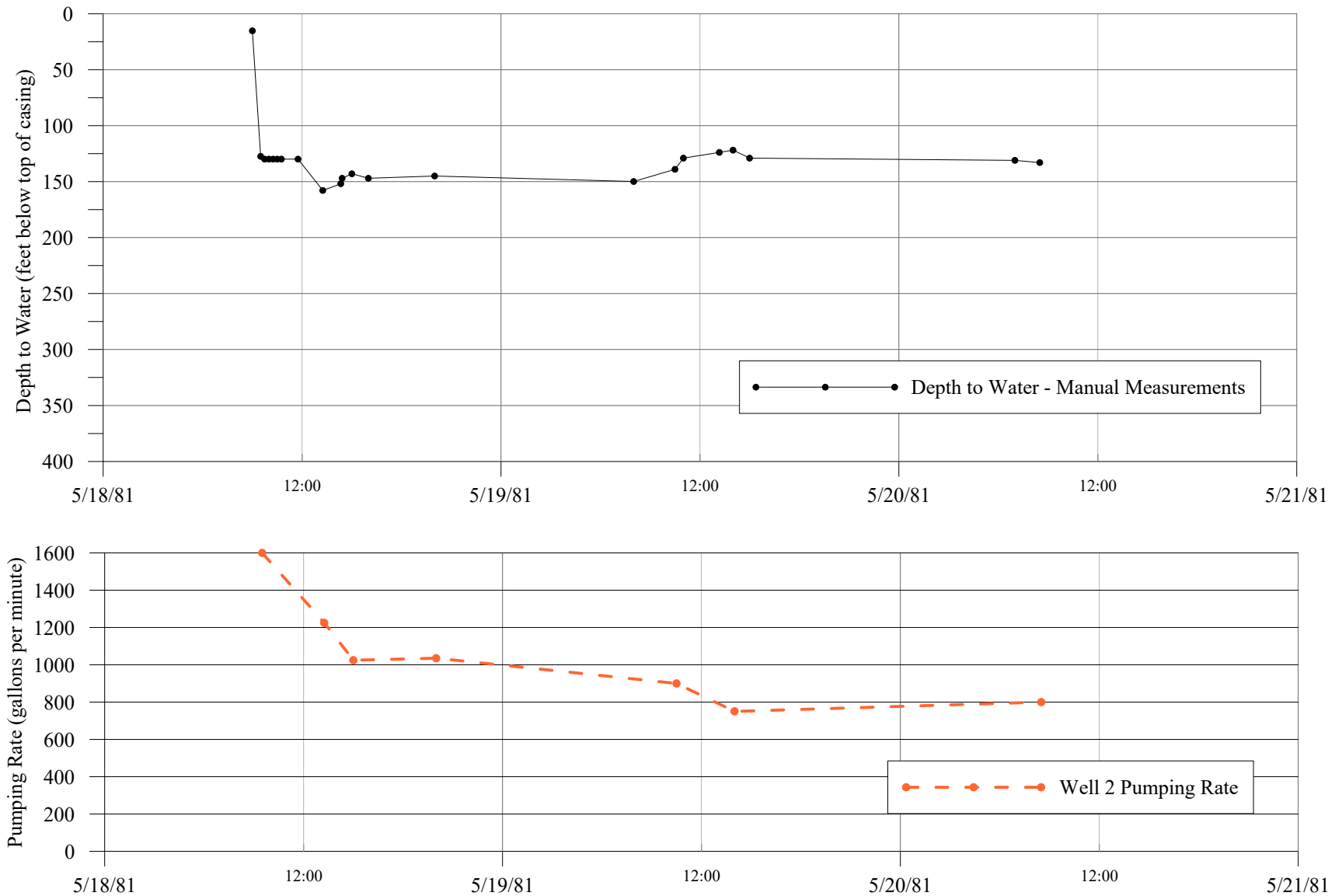
STATIC LEVEL _____

 HEIGHT OF GAUGE ABOVE BASE { MAIN GAUGE
 PUMP GAUGE

APPENDIX VI

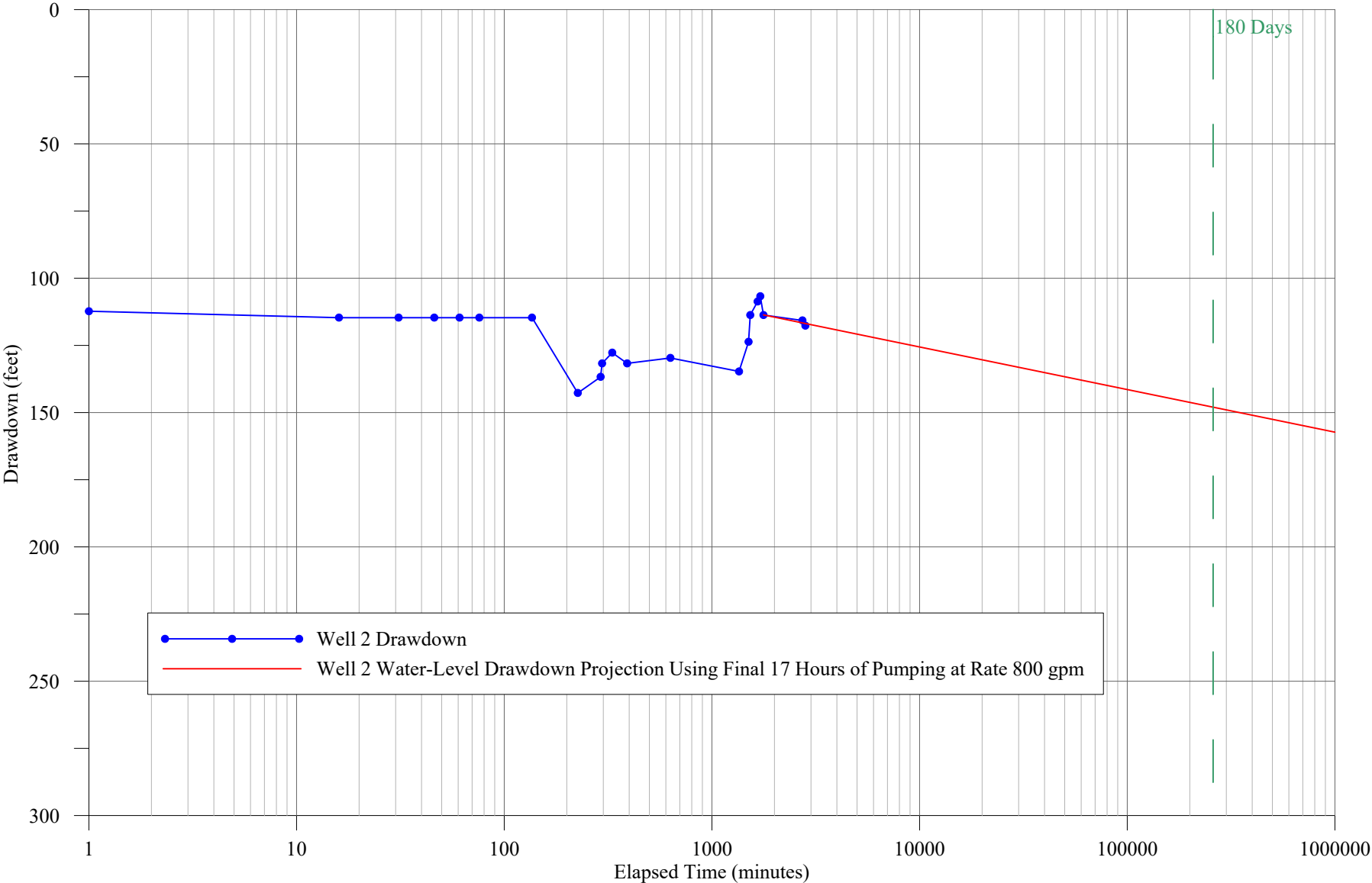
**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUCHESS COUNTY, NEW YORK**

Hydrograph of Water-Level Measurements Collected from Well 2 in May 1981



**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Graph of Water-Level Drawdown Projection for Well 2 from Water-level Measurements Collected from Well 2 in May 1981



WELL 2

TEST

DATE	GPM METERED FLOW	DISCHARGE B PSI	BACK PSI	WATER DD LEVEL	ACTUAL FLOW
1/18/81		STATIC →		15' 3"	
7:30 AM	ZERO	—	70	129' 7"	1600 GPM
1:15 PM	350	70	128	158' ft	1225 GPM
3:00 PM	360	60	154	143' ft	1025 GPM
8:00 PM	360	60	152	145' ft	1035 GPM
1/19/81					
10:30 AM	500	50	162	139' ft	900
2:00 PM	550	50	178	122	750
1/20/81		BLOW OFF CLOSED			
8:30 AM	800	55	170	133' ft	800

MAY 18, 1981

WELL 2

TEST

TIME	METERED FLOW ZERO GPM	ACTUAL ZERO	WATER LEVEL 15' 3"
9:00 AM			
9:30 AM	ON	70 PSI BACK	9:39 → 127' 2"
9:45 AM		"	130 ft
10:00 AM	PSI Discharge	"	130 ft
10:15 AM		72	130 ft
10:30 AM		"	130 ft
10:45		"	130 ft
1:45		128 PSI	130 ft
1:15 PM	70	350	128
2:20	65	350	158
2:25	65	350	157
3:00	60	360	154
4:00	60	350	152
5:00 PM	60	360	152
5/19/81	LINE	GPM	BACK
8:00 AM	55	350	152
9:30	50	500	162
11:00	55	550	172
1:10	50	550	175
2:00		550	178
3:00	55	525	175
5/20/81	55	625	170
8:30 AM	55	800	170

1175
726/102
600
750
625
750
90 PSI
85
89
PSI
FEET
87
91
96
98
99
96
95
94

158
152
147
143
147
145

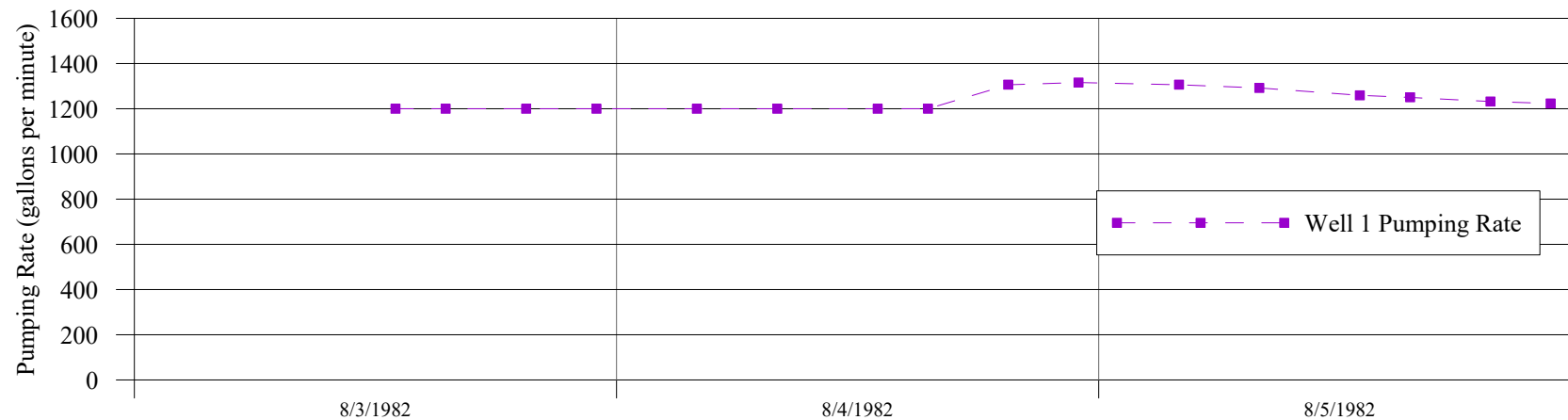
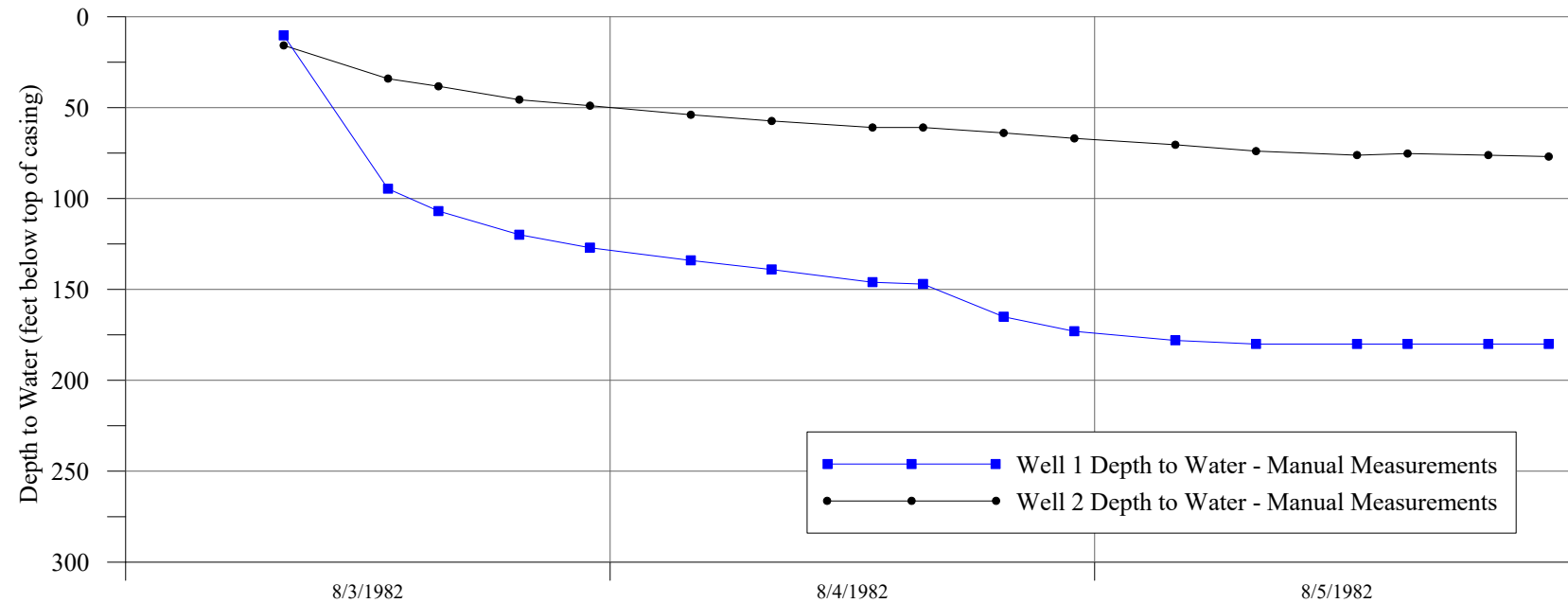
128 PSI
726/102
600
750
625
750
90 PSI
85
89
PSI
FEET
87
91
96
98
99
96
95
94

550 + BLOW OFF
537 TDH
550 + BLOW OFF
539 TDH
539 TDH
531.7 TDH

APPENDIX VII

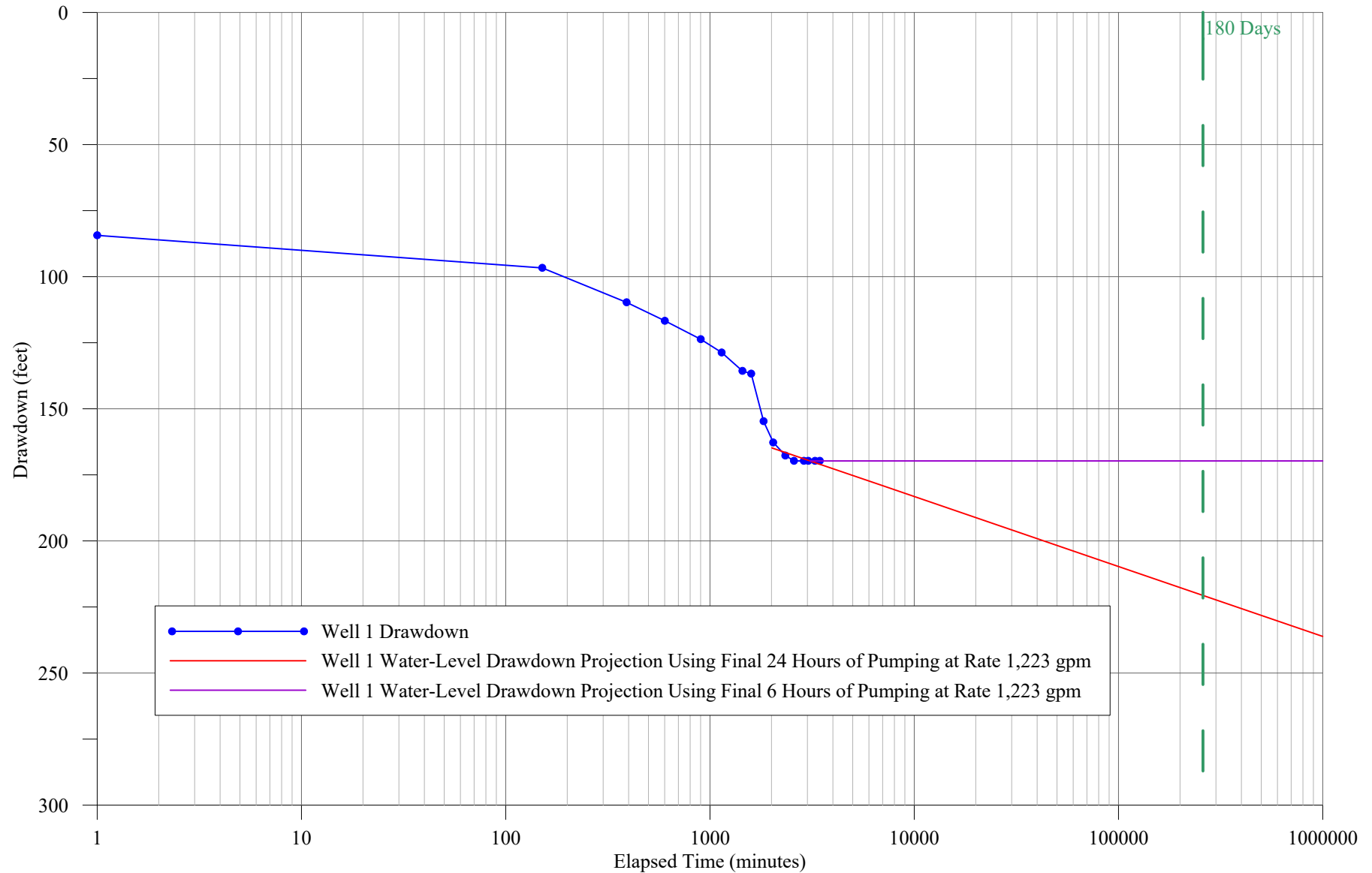
**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Hydrograph of Water-Level Measurements Collected from Wells 1 and 2 in August 1982



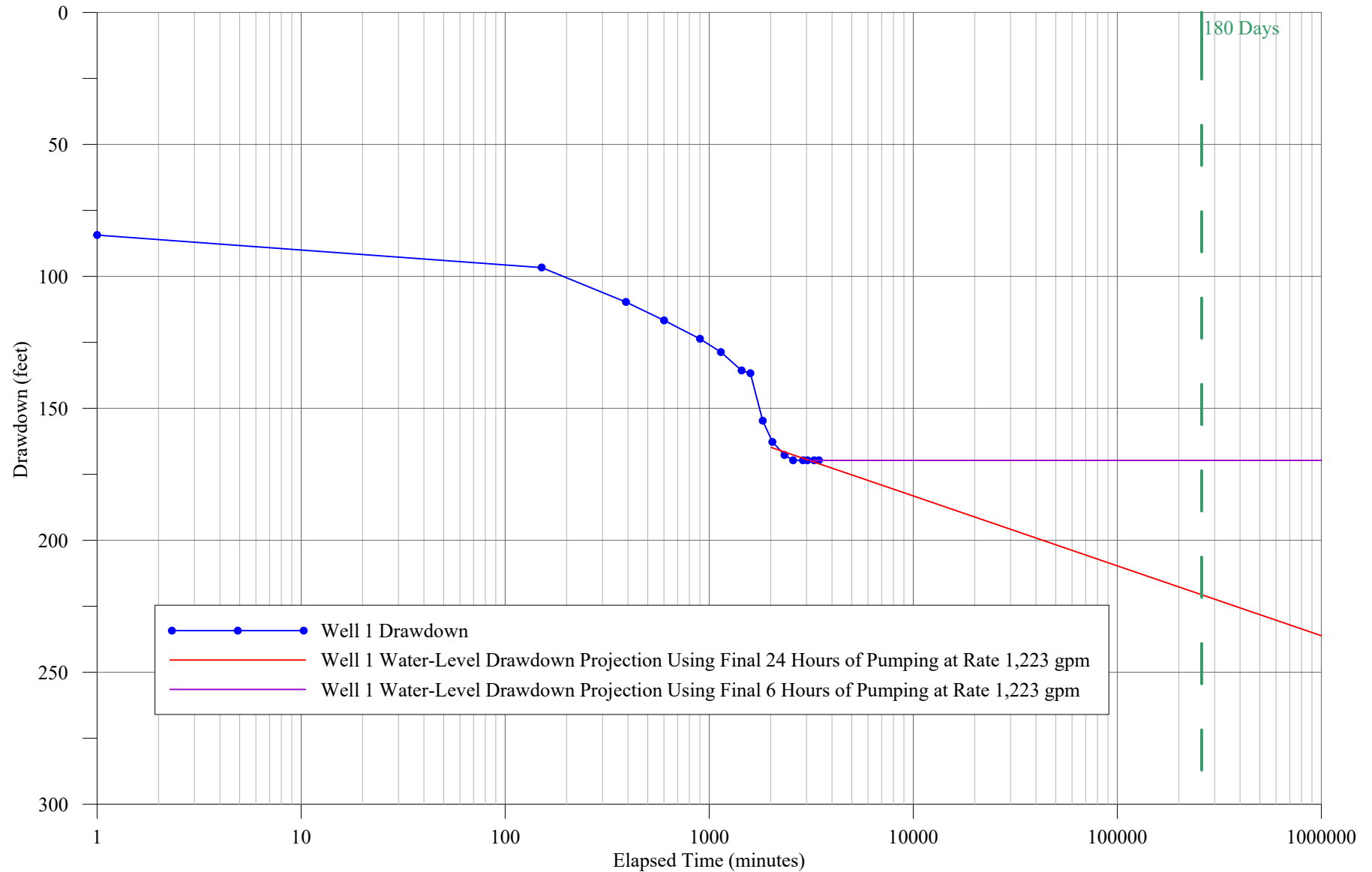
**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Graph of Water-Level Drawdown Projection for Well 1 from Water-level Measurements Collected from Well 1 in August 1982



**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Graph of Water-Level Drawdown Projection for Well 1 from Water-level Measurements Collected from Well 1 in August 1982



Pump Set Feb 210'

Well 1 Pump Test Results 8/82

TIME	Flow GPM	DD. Well 2	DD Well 2
3:50 AM	6 PM		
7:50 AM 8/3	STATIC	10' 4"	15' 9"
1:00 PM	1200 GPM	94' 8"	34' 1"
3:30 PM	1200	107	38' 3"
7:30 PM	1200	120	45' 8"
11:00 PM	1200	127	49
4 4:00 AM	1200	134	54
8:00 AM	1200	139	57' 4"
1:00 PM	1200	146	61
3:30 PM	1200	147	61
7:30	1306	165	64
11:00 PM	1316	173	67
15 4:00 AM	1306	178	70' 6"
8:00 AM	1292	180	74
1:0 PM	1259	180	76' 2"
3:30 PM	1250	180	75' 3"
7:30 PM	1232	180	76' 2"
10:30 PM	1223	180	77'
TEST STOPPED			

HAYWARD AND PAKAN ASSOCIATES

ENGINEERS

ARCHITECTS

SURVEYORS

HAROLD HAYWARD, P.E.
WALTER S. PAKAN, P.E.
DONALD G. TOMLINS, P.E.
WILFRED A. ROHDE, P.E.
ROGER A. MASTRI, L.S.
JOHN V. KANE III, R.A., AIA
PETER R. CANTLINE, P.E.

July 29, 1982

City of Beacon
427 Main Street
Beacon, NY 12508

Attn: Commissioner J. Joseph

Re: Beacon Well No. 1
Contract No. 4
New Jersey Drilling Co., Inc. Contractor

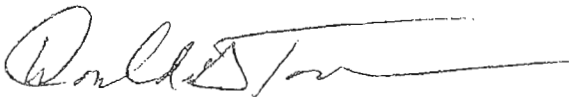
Gentlemen:

Enclosed herewith is a proposal from New Jersey Drilling Co., Inc. for extra work ordered by the engineer to be installed in Well No. 1 to prevent any future cavings from entering and plugging the lower 250 ft. of the well.

It is recommended that this extra work proposal be approved for payment. Upon receiving notification of City approval (signed copy of the enclosed), the engineer will include this item, in the amount of \$7,747.03, in the contractor's next regular requisition for payment as a pay item in addition to the stated contract amounts.

Very truly yours,

HAYWARD AND PAKAN ASSOCIATES



Donald G. Tomlins, P.E.

DGT/cnt

cc: M. Giordano
W. Tibbe, N.J. Drilling Co., Inc.
5240

**NEW JERSEY DRILLING CO. INC.**

BOX 8, RT. 206

NETCONG, NEW JERSEY 07857

(201) 347-2269

Page No. 1 of 1 Pages

Proposal

PROPOSAL SUBMITTED TO:		DESCRIPTION OF JOB:	
Hayward and Pakan Associates		Job	Beacon Well
321 Main Mall		Address	
Poughkeepsie, New York 12601		City	Beacon, New York
Attn: Mr. Pete Cantline		Phone	(914) 454-9440
		Date	July 16, 1982

We Hereby Submit specifications and estimates for 6" Well Screen

1 - 53' of 6" telescope size 5 5/8" OD / 4 7/8" ID stainless steel screen .250" slot openings with bottom wire spear point and top swage 5 5/8" to 9" OD, 7" long with 1' blank 9" Ø stainless steel pipe on top fitted with J hook slots.

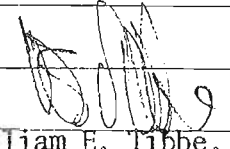
Complete Installed\$7,747.03

We Hereby Propose to furnish labor and materials complete in accordance with the above specifications, for the sum of \$ Seven Thousand Seven Hundred & Forty-seven Dollars and 3/100

With payment to be made as follows: Due On Presentation of Invoice

All material is guaranteed to be as specified. All work is to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by workmen's compensation insurance.

Authorized
Signature


William E. Tibbe, Vice President

Note: This proposal may be withdrawn by us if not accepted within 30 days.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date Accepted _____

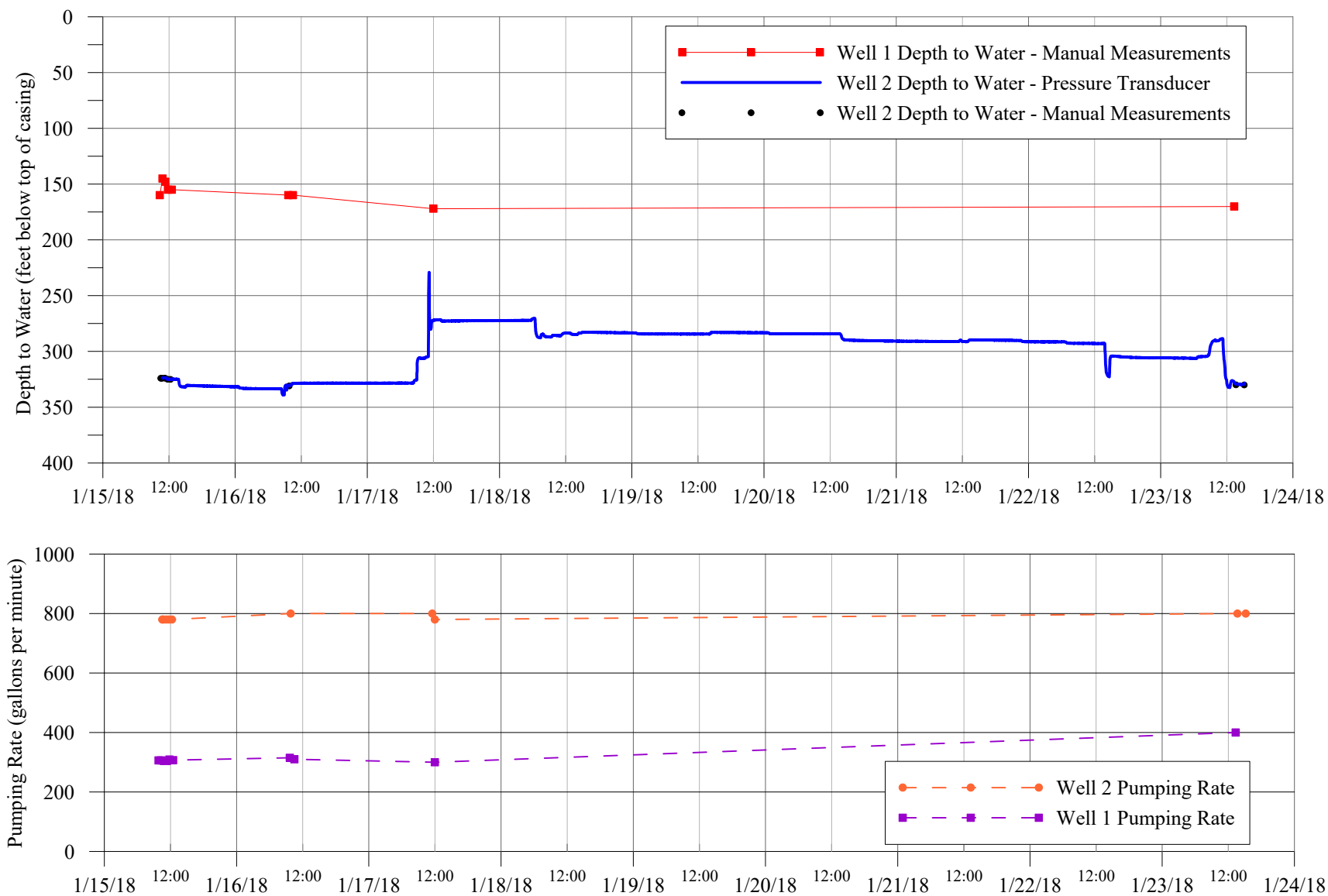
Signature _____

Signature _____

APPENDIX VIII

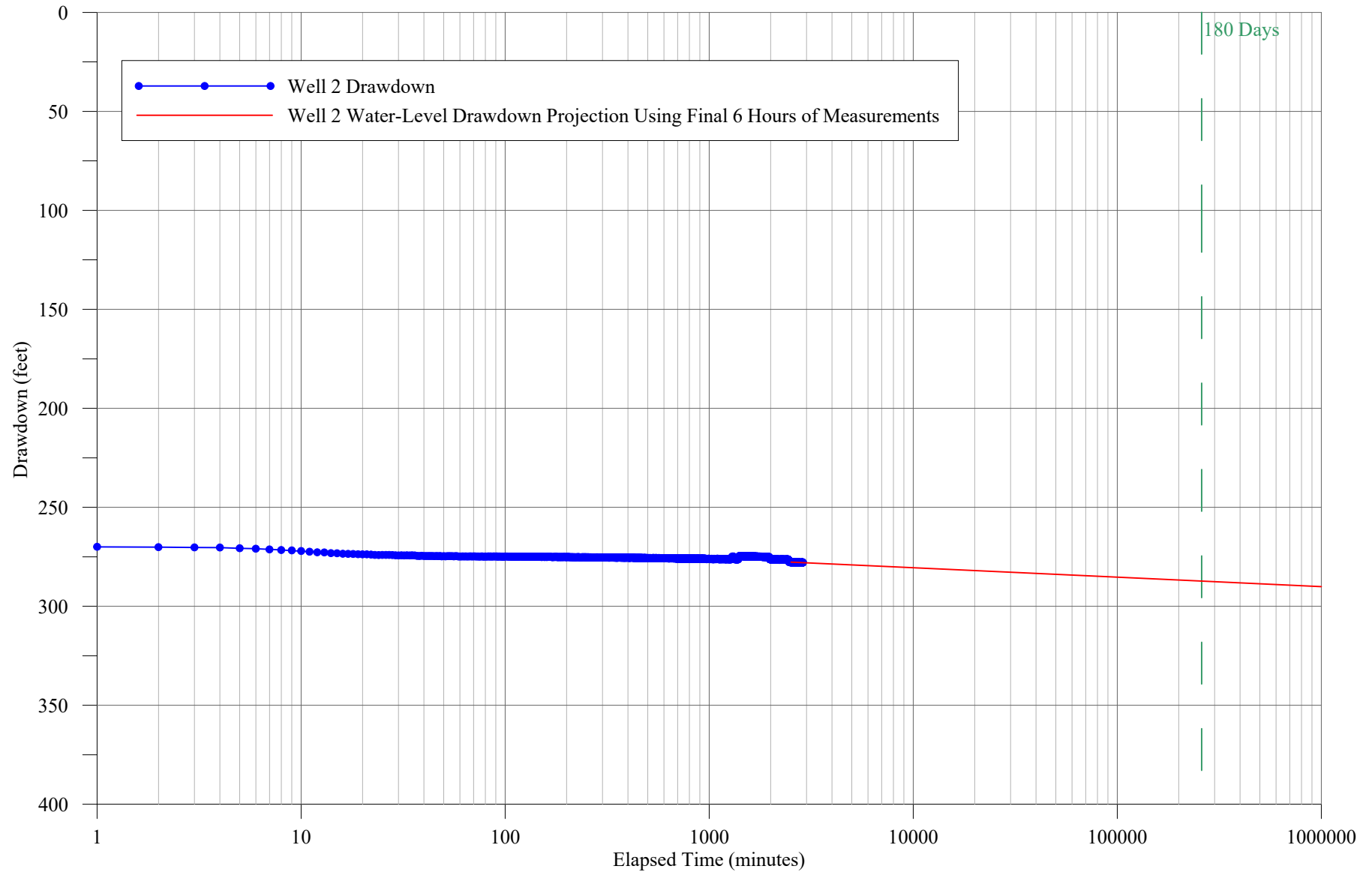
**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Hydrograph of Water-Level Measurements Collected from Wells 1 and 2, January 2018



**CITY OF BEACON
PUMPHOUSE ROAD WELL FIELD
DUTCHESS COUNTY, NEW YORK**

Graph of Water-Level Drawdown Projection for Well 2 from Water-level Measurements Collected from Well 2 in January 2018



**CITY OF BEACON
PUMP HOUSE ORAD PARCEL
DUTCHESS COUNTY, NEW YORK**

Summary of Pressure Transducer Water-Level Measurements Collected from Well 2, January 2018

Date	Time	Depth to Water (feet)	Date	Time	Depth to Water (feet)	Date	Time	Depth to Water (feet)	Date	Time	Depth to Water (feet)
1/15/2018	11:00	323.83	1/17/2018	14:00	272.78	1/19/2018	17:00	283.05	1/21/2018	20:00	289.91
1/15/2018	12:00	324.83	1/17/2018	15:00	272.70	1/19/2018	18:00	283.03	1/21/2018	21:00	289.98
1/15/2018	13:00	324.97	1/17/2018	16:00	272.71	1/19/2018	19:00	283.08	1/21/2018	22:00	290.17
1/15/2018	14:00	331.04	1/17/2018	17:00	272.61	1/19/2018	20:00	283.23	1/21/2018	23:00	291.16
1/15/2018	15:00	332.00	1/17/2018	18:00	272.48	1/19/2018	21:00	283.24	1/22/2018	0:00	291.26
1/15/2018	16:00	330.74	1/17/2018	19:00	272.63	1/19/2018	22:00	283.17	1/22/2018	1:00	291.36
1/15/2018	17:00	330.74	1/17/2018	20:00	272.52	1/19/2018	23:00	283.17	1/22/2018	2:00	291.31
1/15/2018	18:00	330.94	1/17/2018	21:00	272.50	1/20/2018	0:00	283.42	1/22/2018	3:00	291.42
1/15/2018	19:00	331.07	1/17/2018	22:00	272.49	1/20/2018	1:00	284.04	1/22/2018	4:00	291.35
1/15/2018	20:00	331.16	1/17/2018	23:00	272.41	1/20/2018	2:00	284.13	1/22/2018	5:00	291.45
1/15/2018	21:00	331.32	1/18/2018	0:00	272.34	1/20/2018	3:00	284.24	1/22/2018	6:00	291.40
1/15/2018	22:00	331.39	1/18/2018	1:00	272.36	1/20/2018	4:00	284.22	1/22/2018	7:00	292.34
1/15/2018	23:00	331.61	1/18/2018	2:00	272.28	1/20/2018	5:00	284.26	1/22/2018	8:00	292.73
1/16/2018	0:00	331.70	1/18/2018	3:00	272.25	1/20/2018	6:00	284.25	1/22/2018	9:00	292.82
1/16/2018	1:00	332.81	1/18/2018	4:00	272.21	1/20/2018	7:00	284.15	1/22/2018	10:00	292.75
1/16/2018	2:00	333.32	1/18/2018	5:00	272.18	1/20/2018	8:00	284.16	1/22/2018	11:00	292.76
1/16/2018	3:00	333.42	1/18/2018	6:00	270.69	1/20/2018	9:00	284.22	1/22/2018	12:00	292.95
1/16/2018	4:00	333.38	1/18/2018	7:00	287.31	1/20/2018	10:00	284.27	1/22/2018	13:00	292.97
1/16/2018	5:00	333.48	1/18/2018	8:00	285.40	1/20/2018	11:00	284.22	1/22/2018	14:00	311.33
1/16/2018	6:00	333.50	1/18/2018	9:00	286.92	1/20/2018	12:00	284.29	1/22/2018	15:00	304.22
1/16/2018	7:00	333.52	1/18/2018	10:00	285.72	1/20/2018	13:00	284.28	1/22/2018	16:00	304.42
1/16/2018	8:00	333.60	1/18/2018	11:00	285.91	1/20/2018	14:00	285.71	1/22/2018	17:00	304.92
1/16/2018	9:00	332.44	1/18/2018	12:00	283.55	1/20/2018	15:00	289.82	1/22/2018	18:00	305.22
1/16/2018	10:00	330.44	1/18/2018	13:00	284.49	1/20/2018	16:00	289.94	1/22/2018	19:00	305.39
1/16/2018	11:00	328.64	1/18/2018	14:00	284.86	1/20/2018	17:00	290.15	1/22/2018	20:00	305.48
1/16/2018	12:00	328.53	1/18/2018	15:00	283.10	1/20/2018	18:00	290.20	1/22/2018	21:00	305.76
1/16/2018	13:00	328.48	1/18/2018	16:00	282.90	1/20/2018	19:00	290.37	1/22/2018	22:00	305.78
1/16/2018	14:00	328.54	1/18/2018	17:00	282.88	1/20/2018	20:00	290.40	1/22/2018	23:00	305.77
1/16/2018	15:00	328.48	1/18/2018	18:00	283.02	1/20/2018	21:00	290.50	1/23/2018	0:00	305.73
1/16/2018	16:00	328.44	1/18/2018	19:00	283.13	1/20/2018	22:00	290.60	1/23/2018	1:00	305.70
1/16/2018	17:00	328.45	1/18/2018	20:00	283.11	1/20/2018	23:00	290.69	1/23/2018	2:00	305.84
1/16/2018	18:00	328.42	1/18/2018	21:00	283.28	1/21/2018	0:00	290.68	1/23/2018	3:00	305.96
1/16/2018	19:00	328.41	1/18/2018	22:00	283.35	1/21/2018	1:00	290.73	1/23/2018	4:00	306.02
1/16/2018	20:00	328.47	1/18/2018	23:00	283.32	1/21/2018	2:00	290.92	1/23/2018	5:00	306.04
1/16/2018	21:00	328.51	1/19/2018	0:00	283.43	1/21/2018	3:00	290.91	1/23/2018	6:00	306.18
1/16/2018	22:00	328.50	1/19/2018	1:00	284.18	1/21/2018	4:00	290.95	1/23/2018	7:00	304.71
1/16/2018	23:00	328.56	1/19/2018	2:00	284.47	1/21/2018	5:00	291.00	1/23/2018	8:00	304.59
1/17/2018	0:00	328.54	1/19/2018	3:00	284.38	1/21/2018	6:00	291.01	1/23/2018	9:00	295.33
1/17/2018	1:00	328.60	1/19/2018	4:00	284.29	1/21/2018	7:00	291.08	1/23/2018	10:00	290.81
1/17/2018	2:00	328.45	1/19/2018	5:00	284.33	1/21/2018	8:00	291.17	1/23/2018	11:00	288.71
1/17/2018	3:00	328.46	1/19/2018	6:00	284.37	1/21/2018	9:00	291.22	1/23/2018	12:00	327.92
1/17/2018	4:00	328.52	1/19/2018	7:00	284.50	1/21/2018	10:00	291.19	1/23/2018	13:00	326.23
1/17/2018	5:00	328.38	1/19/2018	8:00	284.37	1/21/2018	11:00	291.18	1/23/2018	14:00	329.38
1/17/2018	6:00	328.37	1/19/2018	9:00	284.35	1/21/2018	12:00	291.11	1/23/2018	15:00	329.69
1/17/2018	7:00	328.36	1/19/2018	10:00	284.41	1/21/2018	13:00	291.28			
1/17/2018	8:00	328.38	1/19/2018	11:00	284.34	1/21/2018	14:00	289.67			
1/17/2018	9:00	319.78	1/19/2018	12:00	284.35	1/21/2018	15:00	289.79			
1/17/2018	10:00	306.21	1/19/2018	13:00	284.54	1/21/2018	16:00	289.78			
1/17/2018	11:00	304.64	1/19/2018	14:00	284.39	1/21/2018	17:00	289.73			
1/17/2018	12:00	272.08	1/19/2018	15:00	282.99	1/21/2018	18:00	289.83			
1/17/2018	13:00	271.58	1/19/2018	16:00	283.10	1/21/2018	19:00	289.95			

**CITY OF BEACON
PUMP HOUSE ORAD PARCEL
DUTCHESS COUNTY, NEW YORK**

Summary of Manual Water-Level and Pumping Rate Measurements Collected from Wells 1 and 2, January 2018

Well 1				Well 2			
Date	Time	Airline Water Level (feet)	Discharge Rate (gallons per minute)	Date	Time	Water Level (feet)	Discharge Rate (gallons per minute)
1/15/2018	9:50	NM	306	1/15/2018	10:30	324.13	780
1/15/2018	10:20	160	306	1/15/2018	10:45	324.10	780
1/15/2018	10:50	145	304	1/15/2018	11:15	324.00	780
1/15/2018	11:20	148	304	1/15/2018	11:45	325.00	780
1/15/2018	11:50	155	309	1/15/2018	12:15	325.15	780
1/15/2018	12:30	155	307	1/16/2018	9:50	331.00	800
1/16/2018	9:40	160	315	1/17/2018	12:00	NM	780
1/16/2018	10:30	160	310	1/23/2018	13:40	330.00	810
1/17/2018	12:00	172	300	1/23/2018	15:10	330.20	800
1/23/2018	13:20	170	400	--	--	--	--

NM Not measured

APPENDIX IX

C

LAYNE-NEW YORK CO., INC.
TV-INSPECTION LOG REPORT

DATE: 6/14/82

TIME START 9:45 JOB # 532302 NAME OF CUSTOMER N.J. Well Drilling

LOCATION OF JOB SITE Beacon, N. Y., Well #1

TRUCK MILEAGE START 2702.4 TRUCK MILEAGE RETURN 2934.0 TOTAL MILES 231.6

WELL DATE: DIAM 12" DEPTH to 230' STATIC LEVEL 13'6"

CAMERA INFO: CAMERA USED NO. 1 x NO. 2 GUIDE SIZE USED 6"

STARTING TIME 873.3 ENDING TIME 877.2 ELAPSED TIME 3.8

GENERATOR: STARTING TIME 10.4 ENDING TIME 14.0 ELAPSED TIME 3.6

METHOD USED TO CLEAR WELL: PUMPING No

ADD WATER

CHEMICALS

WITNESSES TO VIEWING W. Tibbe, B. Cantline, M. Giordano

RECORD OF VIEWING Videotape & Stills at 137'6", 146'6", 147', and 224'

Start viewing at top of pump foundation.

Well Depth	Tape Mark	Description
136'6"	024'	Static level
17'6"	029'	Casing clean, water cloudy
37'6"	058'	Water cloudy
47'6"	070'	Casing joint w/lifting eye
57'6"	82'	
77'6"	97'	
81'6"	101'	Top of slotted casing 12"
90'	120'	Joint in slotted casing.
97'6"	133'	Dirtier slot openings
100'6"	137'	Joint in slotted casing (welded)
109'6"	152'	Few opened (worn) slots
117'6"	164'	Joint in slotted casing 27 rows
119'6"	167'	Joint in slotted casing (welded)
129'6"	182'	Joint in slotted pipe 27 rows
137'6"	192'	Slots quite clean
147'	200' 190E	Bottom of casing, good seal into roc
147'6"	205'	Void in rock 9-12 o'clock
148'	206'	Hole crooked
157'6"	214' TO	Continuous frequent voids in rock
177'6"	230'	Fewer voids
197'6"	247' 261	Frequent voids
203'6"	251'	Big void 360° continuous void
216'	264'	Ledge shows 5-6 o'clock
222'6"	270'	Ledge 1-7 o'clock
224'6"	277 to 289'	Rotated camera 8" casing on left torn for 2-3" at 224'

<u>11 Depth</u>	<u>Tape Mark</u>	<u>Description</u>
30'	321'	Bottom of open hole caved, could not proceed with camera, camera aside existing 8" casing.

APPENDIX X

Record of Test Drilling
The Stephen B Church Company
Oxford CT

Client Beacon NY/ LBG
Date Aug 25-28, 2017

Location 41 deg 31' 11" N 73 deg 54' 44" W
Crew Joe, Justin, Mitch

Test well 1-17

Page 1
of 2

Depth from Surface		Took water?	Color	Resistance?	Hammer weight	Drive shoe	1
		Very well Good Some Poor None		Very very hard Very hard Hard Good Easy	Static water level from top of casing 99.49' Screen slot sizes from bottom 0.020" Overall screen length 5' 2 1/2 inch pipe 122' 8"	Curb box/ protective casing 36" Bags of Sakrete NA Stickup above grade 36" Time of development None Estimated yield None	
From	To						
0	10' 8"	None	Brown	Good	Topsoil, muck, clay		
10' 8"	16' 0"	None	Brown/ gray	Good	Clay and silt, trace gravel		
16' 0"	21' 4"	Very poor	Gray	Good	Silty fine to coarse sand and gravel, clayey		
21' 4"	26' 8"	None	Gray	Good	Clay and silt, trace gravel		
26' 8"	32' 0"	None	Gray	Good	Clay and silt		
32' 0"	37' 4"	None	Blue/ gray	Good	Clay and silt		
37' 4"	42' 8"	None	Blue/ gray	Good	Clay and silt		
42' 8"	48' 0"	None	Blue/ gray	Good	Clay and silt		
48' 0"	53' 4"	None	Blue/ gray	Good	Clay and silt		
53' 4"	58' 8"	None	Blue/ gray	Fair	Clay and silt		
58' 8"	64' 0"	None	Blue/ gray	Fair	Clay and silt		
64' 0"	69' 4"	None	Blue/ gray	Fair	Clay and silt, trace sand and gravel		
69' 4"	74' 8"	None	Blue/ gray	Fair	Clay and silt, small trace sand and gravel		
74' 8"	80' 0"	None	Blue/ gray	Hard	Clay and silt, small trace sand and gravel		
80' 0"	85' 4"	None	Blue/ gray	Hard	Clay and silt, small trace sand and gravel		
85' 4"	90' 8"	None	Blue/ gray	Hard	Clay and silt, small trace sand and gravel		
90' 8"	96' 0"	None	Blue/ gray	Very hard	Clay and silt, small trace sand and gravel		
96' 0"	101' 4"	None	Blue/ gray	Very hard	Clay and silt, trace sand and gravel		
101' 4"	106' 8"	Some	Gray	Very hard	Clay and silt, fine to medium sand, fine to medium gravel		
106' 8"	112' 0"	Very poor	Gray	Very very hard	Silty/ clayey very fine to medium sand, sharp black gravel		
112' 0"	117' 4"	Very poor	Gray	Very very hard	Same, turning tan in color at 116' +/-		

The Stephen B Church Company
Oxford CT

Client Beacon NY/ LBG

Location 41 deg 31' 11" N 73 deg 54' 44" W

Test well 1-17

Page 2

Date Aug 25-28, 2017

Crew Joe, Justin, Mitch

of 2

[illegible]

Oxford CT

Page 1

of 1

[illegible]

The Stephen B Church Company
Oxford CT

Client Beacon NY/ LBG

Location 41 deg 31' 29" N 73 deg 54' 55" W

Test well 3-17

Page 1

Date Sept 5- 7, 2017

Crew Joe, Justin, Phil

of 1[illegible]

APPENDIX XI

City of Beacon Build-Out Estimates for Current Projects and Proposals - February 2018

Beacon Project/Location	# Units/sq. ft. Commercial	Unit Type	Multiplier*	# Residents	Status/Approval
Highland Meadows 11 Hastings Drive	68 [Senior] Affordable Apartments	1 BR - [53] 2 BR - [15]	1.2 1.2	[64] [18]	Recent Construction
1 East Main Street	19 Condos 6 Commercial Condos 5,746 sq. ft.	12 - 1 BR 6 - 2 BR 1 - 3 BR	1.77 1.88 3	21 11 3	Recent Construction
Beacon Theatre Conversion	29 Apartments 200 Seat Theater 3,325 sq. ft.	4 - Studio - (1) 17 - 1 BR - (2) 5 - 2 BR	1.67 (1.99) 1.67 (1.99) 2.31	7 (2) 28 (4) 12	Recent Construction
The View Beekman Street	40 Condos	13 - 1 BR - (1) 23 - 2 BR - (3)	1.77 (1.82) 1.88 (2.05)	23 (2) 43 (6)	Recent Construction
Lofts @ Beacon Falls	68 Apartments	25 - 1 BR - (3) 36 - 2 BR - (4)	1.67 (1.99) 2.31 (2.55)	42 (6) 83 (10)	Recent Construction
Weber III 9-11 Creek Drive	46 Apartments	27 - 1 BR - (4) 14 - 2 BR - (1)	1.67 (1.99) 2.31 (2.55)	45 (8) 32 (3)	Recent Construction
344 Main Street	24 Apartments 8,000 sq. ft. Commercial	5 - 1 BR - (1) 17 - 2 BR - (1)	1.67 (1.99) 2.31 (2.55)	8 (2) 39 (3)	Recent Construction
Hip Lofts Mason Circle	114 Artist Live/Work	78 - 1 BR - (7) 25 - 2 BR - (4)	1.67 (1.99) 2.31 (2.55)	130 (14) 58 (10)	Recent Construction
249 Main Street	28 Apartments 11,000 sq. ft. Commercial	23 - 1 BR - (2) 2 - 2 BR - (1)	1.67 (1.99) 2.31 (2.55)	38 (4) 5 (3)	Recent Construction
Totals:	28,071 sq. ft. Commercial	333 + (103) Units		787 Residents	Recent Construction
West End Lofts Wolcott Avenue	73 Affordable-Workforce 25 Market Rate	11 - 1 BR - (45) 14 - 2 BR - (28)	1.67 (1.66) 2.31 (2.51)	18 (75) 32 (70)	Land Use Approval
226 Main Street	8 Apartments 3,300 sq. ft. Commercial	4 - 1 BR 4 - 2 BR	1.67 2.31	7 9	Land Use Approval
123 Rombout Avenue	10 Apartments	9 - 1 BR - (1)	1.67 (1.99)	15 (2)	Land Use Approval
Totals:	3,300 sq. ft. Commercial	42 + (74) Units		228 Residents	Land Use Approvals

() Senior and Affordable-Workforce Units/Residents

City of Beacon Build-Out Estimates for Current Projects and Proposals - February 2018

Beacon Project/Location	# Units/sq. ft. Commercial	Unit Type	Multiplier*	# Residents	Status/Approval
AK Holding 25 Townsend Avenue	13 Single Family	13 - 3 BR	2.95	38	Before Planning Board
22 Edgewater	307 Apartments	87 - Studio - (9) 103 - 1 BR - (12) 77 - 2 Br - (9) 9 - 3 BR - (1)	1.67 (1.99) 1.67 (1.99) 2.31 (2.55) 3.81 (4.54)	145 (18) 172 (24) 178 (23) 34 (5)	Before Planning Board
Hip Lofts Phase II Mason Circle	29 Artist Live/Work	26 - 1 BR - (3)	1.67 (1.99)	43 (6)	Before Planning Board 7/25
Ferry Landing At Beacon Beekman Street	6 Townhouses	6 - 3 BR	2.83	17	Before Planning Board 7/25
River Ridge Wolcott Avenue	18 Townhouses	16 - 3 BR - (2)	2.83 (3.17)	45 (6)	Before Planning Board 7/25
248 Tioronda Avenue	64 Apartments 20,000 sq. ft. Commercial	58 - 2 BR - (6)	2.31 (2.55)	134 (15)	Under Discussion
Totals:	20,000 sq. ft. Commercial	395 + (42) Units		903 Residents	Before Planning Board

		770 Market Rate Units	1,515 Residents	
		219 Affordable-Workforce Units	403 Residents	
Overall Totals:	51,371 sq. ft. Commercial	989 Total Housing Units	1,918 Residents	Approved or Under Review
			14,271	2016 Census Estimate
			-773	Prison Population
			15,416	Build-Out Population Estimate

*New York Residential Demographic Multipliers,

Rutgers Univ., Center for Urban Policy Research, 2006

() Senior and Affordable-Workforce Units/Residents

City of Beacon Long-Term Build-Out Estimates - February 2018

Project/Location	Primary Parcel #	Acres	Current Use	Zoning	Build-Out	# Residents*	Net Commercial
S. Dutchess Country Club, North Av.	5955-04-770210	57.6	Private Golf Club	R1-40	50 SF	148	
Fishkill Correctional Facility	6055-03-251352	~89	Vacant Land/Blgs.	R1-40	82 SF	242	
Highlands at Beacon, Conklin St.	6055-03-331123	8.6	Vacant Land	RD-5	46 MF	85	
Hip Lofts Expansion, Front St.	6055-04-535128	3.5	Vacant Land	FCD	39 MF	72	10,400 sq. ft.
Landgrove Realty, Front St.	6055-80-459057	4.9	Vacant Land	LI	36 MF	67	9,600 sq. ft.
City Property, 23 Creek Drive	6054-37-037625	2.6	Former Hwy. Garage	FCD	9 MF	21	12,000 sq. ft.
Sisters Properties, Tioronda Av.	5954-16-951357	4.9	Vacant Land	FCD	43 MF	99	11,500 sq. ft.
Beacon Terminal, 555 South Av.	5954-16-751258	10.4	Vacant Buildings	FCD	115 MF	230	30,500 sq. ft.
Craig House, NYS Route 9D	6054-13-001258	64.4	Vacant Buildings	R1-80	24 SF	71	
MTA North Lot, W. Main St.	5954-25-549980	3.4	Parking Lot	WD	200 MF	371	
MTA Central Lot, W. Main St.	5954-25-563911	3.7	MTA/Commercial Blgs.	LI/L	120 MF	223	
MTA South Lot, Beekman St.	5954-33-594862	~4.5	Parking Lot	WD	175 MF	325	40,000 sq. ft.
Corner Lot, 25 W. Main St.	5954-26-639946	~0.6	Vacant Land	L	36 MF	67	
Beacon Realty, 16 W. Main St.	5954-25-616969	1.3	Commercial Building	L	30 MF	56	
Beacon Todd, 20 W. Main St.	5954-26-647966	~1.0	Vacant Land	L	35 MF	65	10,000 sq. ft.
Arts Center, 45 Beekman St.	5955-19-706012	~1.5	Commercial Building	L	30 MF	56	2,000 sq. ft.
City Hall Corner, Beekman St.	5954-26-708967	~1.8	Parking Lot	L	75 MF	140	10,000 sq. ft.
Fire Station, 13 South Av.	5954-26-725933	1.3	Fire Station/Parking	L	40 MF	75	
Lindley Todd, South Av.	5954-26-749955	0.2	Vacant Land/Parking	CB	8 MF	15	3,500 sq. ft.
Lindley Todd, 134 Main Street	5954-26-747977	0.4	Commercial Building	CB	18 MF	34	6,000 sq. ft.
Lindley Todd, 160 Main St.	5954-27-777974	0.2	Vacant Land	CB	9 MF	17	4,500 sq. ft.
Hudson Todd, 4 Cross St.	5954-27-793967	0.1	Vacant/Gardens	CB	8 MF	15	4,000 sq. ft.
MAS Properties, 220 Main St.	5954-27-852929	0.4	Gas Station/Parking	CMS	16 MF	30	5,500 sq. ft.
County Center, 223 Main St.	5954-27-834908	~1.0	Parking Lot	CMS	26 MF	49	8,500 sq. ft.
Lucky Spot Beacon, 285 Main St.	5954-28-885881	0.6	Commercial Buildings	CMS	34 MF	64	
Beacon Center Assoc, 268 Main St.	5954-28-896890	1.04	Food Store	CMS	16 MF	30	2,000 sq. ft.
Movil Development, 280 Main St.	5954-28-915879	0.1	Parking Lot	CMS	8 MF	15	3,000 sq. ft.
H.R. Healthcare, 341-361 Main St.	5954-36-953831	0.9	Commercial Buildings	CMS	40 MF	75	
328-332 Main St.	5954-36-971841	0.2	Commercial Buildings	CMS	9 MF	17	
Veterans Place Rear, Henry St.	None	0.1	Public Street	CMS	12 MF	23	4,500 sq. ft.
CRE JV 5 Branch, 364 Main St.	6054-29-006819	0.5	Bank Building	CMS	20 MF	38	

City of Beacon Long-Term Build-Out Estimates - February 2018

Project/Location	Primary Parcel #	Acres	Current Use	Zoning	Build-Out	# Residents*	Net Commercial
393-395 Main St.	6054-29-006792	0.15	Commercial Buildings	CMS	10 MF	19	
Fire House Rear, 423-427 Main St.	6054-29-026773	~0.3	Parking Lot	PB	8 TH	20	
427-433 Main St.	6054-29-035764	0.6	Commercial Buildings	CB	10 MF	19	3,000 sq. ft.
Sierra West, 158 Fishkill Av.	6054-29-042814	0.39	Commercial Buildings	RD-5	4 MF	8	
EB I LLC, 416 Main St.	6054-29-056774	0.2	Vacant Lot	CB/R1-5	9 MF	17	6,000 sq. ft.
536 Main Street	6054-30-132779	0.1	Vacant Lot	CB	6 MF	11	3,000 sq. ft.
Douglas Miller, 15 Tioronda Av.	6054-37-065708	0.9	Commercial Buildings	GB/R1-5	12 MF	23	
Jude Builders, 12 Tioronda Av.	6054-37-077707	0.7	Commercial Buildings	GB/HI	24 MF	45	
City Property, Churchill St.	6054-37-121715	1.4	Parking Lot	LI	16 MF	30	8,500 sq. ft.
Multiple Small Subdivisions	Scattered Parcels		Vacant Land		105 SF	310	

* Estimates based on recent nearby projects and
New York Residential Demographic Multipliers,
Rutgers Univ., Center for Urban Policy Research, 2006

	Build-Out	# Residents*	Net Commercial
Long-Term Build-Out Totals:	1,613 Units	3,337	198,000 sq. ft

U. S. Census Estimate:	2016 City Population	14,271
	Deduct Prison Population	-773
	Under Construction / Under PB Review	1,918
	Beacon Long-Term Estimated Build-Out	18,753

City of Beacon Long-Term Build-Out Estimates Waterfront Development and Linkage Districts



City of Beacon Long-Term Build-Out Estimates

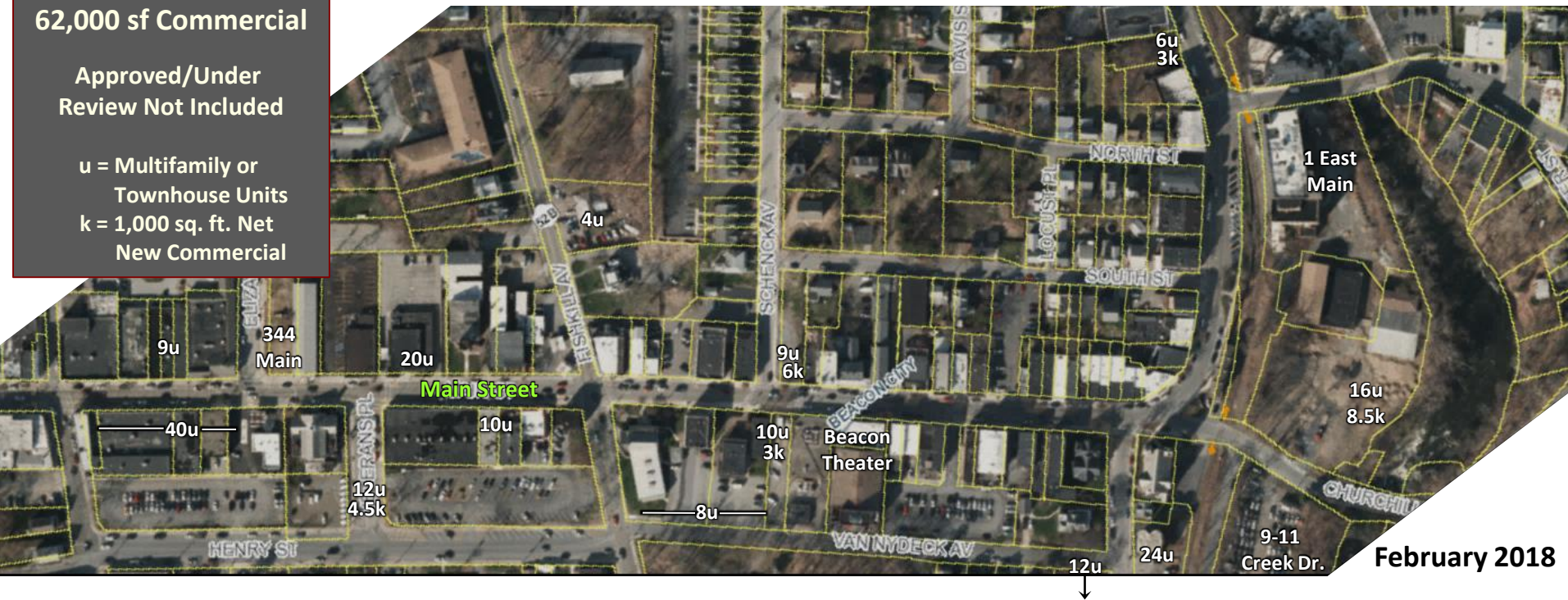
Main Street Districts



323 Residential Units
62,000 sf Commercial

Approved/Under
Review Not Included

u = Multifamily or
Townhouse Units
k = 1,000 sq. ft. Net
New Commercial



February 2018

City of Beacon Long-Term Build-Out Estimates

Southern Dutchess Country Club
50 SFR

Linkage Area:
741 Residential
62k Commercial

Main St. Area:
323 Residential
62k Commercial

NYS Correctional Facility Land
82 SFR

Highlands at Beacon
46 MFR

Front Street Phase II: 39 MFR
10,400 Commercial

Front Street 36 MFR
9,600 Commercial

Multiple SFR Subdivisions on Scattered Parcels
105 SF

Outlying Areas:
549 Residential Units
74k sf Commercial

City Property
9 MFR
12,000 Commercial

Sisters Properties Tioronda Avenue
43 MFR
11,500 Commercial

555 South Avenue
115 MFR
30,500 Commercial

Craig House
24 SFR

Citywide Totals:
1,613 Residential Units
198,000 sf Commercial
Approved/Under Review Not Included

February 2018

APPENDIX XII

New York State Department of Environmental Conservation
 Division of Water, Bureau of Water Resources Management
 625 Broadway, Albany, NY 12233-3508

Water Withdrawal Reporting Form

Due by March 31st each year

Prior to filling out this form, please read the instructions on the last page
This form not for Agricultural Facilities

Section 1 of 6 - Basic Information

Facility Name City of Beacon		Facility Street Address 470 Liberty St		Reporting Year 2016	
City Beacon	Zip 12508	Town N/A	County Dutchess		
Contact Name Matthew Fezza	Email watertreatment@cityofbeacon.org	Telephone 845-831-3185			

Source Name Cargill	Source Type R	Well Depth	Max Rate 1	Units MGD
Source Name Melzingah	Source Type R	Well Depth	Max Rate 1.5	Units MGD
Source Name Mt. Beacon	Source Type R	Well Depth	Max Rate 0.5	Units MGD
Source Name Well #1	Source Type BW	Well Depth 215	Max Rate 0.8	Units MGD
Source Name Well #2	Source Type BW	Well Depth 351	Max Rate 1.4	Units MGD
Source Name Fishkill Well #8	Source Type UW	Well Depth 80	Max Rate 1	Units MGD
Source Name	Source Type	Well Depth	Max Rate	Units

2.679	MGD	3.37	MGD	4	MGD
Average Day Withdrawal	Units	Maximum Day Withdrawal	Units	Maximum System Capacity or NYSDEC Permitted Withdrawal	Units

Submitted by Matthew Fezza	Title Chief Water Plant Operator	Date 2/14/2017

Water Withdrawal Category

(Check One)

Agricultural - Must use form at <http://www.dec.ny.gov/lands/86904.html>

- ☐ Bottled / Bulk Water
- ☐ Commercial
- ☐ Environmental
- ☐ Industrial
- ☐ Institutional
- ☐ Mine Dewatering
- ☐ Oil / Gas Production
- Power Production:
 - ☐ Fossil Fuel
 - ☐ Nuclear
 - ☐ Other Pwr
- ☒ Public Water Supply
- Recreational:
 - ☐ Golf Course
 - ☐ Snow Making
 - ☐ Other Rec
- ☐ Other Category

Water Withdrawal Reporting Form

Section 2 of 6 - Water Use

Calculation Method

M

If multiple methods are used, choose the one that measures the greatest percentage of water in your system.

E = Estimated

M = Metered readings

W = Flow through a weir

P = Flow through a pipe or pump run times

C = Pump curve calculation

Units: Must be in gallons per month	January	February	March	April	May	June
Withdrawn	77.666	75.355	80.955	79.111	82.285	85.317
Transferred / Imported / Purchased						
Consumed						
Returned						
Diversions In / Out, if any						

For Transferred water or Diversions Out, use a negative (-) sign

Units: Must be in gallons per month	July	August	September	October	November	December
Withdrawn	89.63	87.795	83.908	79.898	76.463	82.362
Transferred / Imported / Purchased						
Consumed						
Returned						
Diversions In / Out, if any						

Describe location of returned water

New York State Department of Environmental Conservation
 Division of Water, Bureau of Water Resources Management
 625 Broadway, Albany, NY 12233-3508

Water Withdrawal Reporting Form

Due by March 31st each year

Prior to filling out this form, please read the instructions on the last page
This form not for Agricultural Facilities

Section 1 of 6 - Basic Information

Facility Name Facility Street Address Reporting Year

City Zip Town County

Contact Name Email Telephone

Source Name Source Type Well Depth Max Rate Units

Source Name Source Type Well Depth Max Rate Units

Source Name Source Type Well Depth Max Rate Units

Source Name Source Type Well Depth Max Rate Units

Source Name Source Type Well Depth Max Rate Units

Source Name Source Type Well Depth Max Rate Units

Source Name Source Type Well Depth Max Rate Units

2.523	MGD	3.1	MGD	4	MGD
Average Day Withdrawal	Units	Maximum Day Withdrawal	Units	Maximum System Capacity or NYSDEC Permitted Withdrawal	Units

Submitted by Title Date

Water Withdrawal Category

(Check One)

Agricultural - Must use form at <http://www.dec.ny.gov/lands/86904.html>

☐ Bottled / Bulk Water

☐ Commercial

☐ Environmental

☐ Industrial

☐ Institutional

☐ Mine Dewatering

☐ Oil / Gas Production

Power Production:

☐ Fossil Fuel

☐ Nuclear

☐ Other Pwr

☒ Public Water Supply

Recreational:

☐ Golf Course

☐ Snow Making

☐ Other Rec

☐ Other Category

Water Withdrawal Reporting Form

Section 2 of 6 - Water Use

Calculation Method M

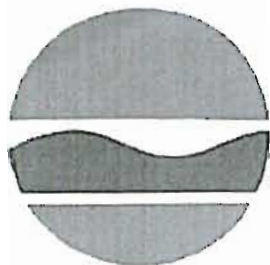
If multiple methods are used, choose the one that measures the greatest percentage of water in your system.
 E = Estimated M = Metered readings W = Flow through a weir
 P = Flow through a pipe or pump run times C = Pump curve calculation

Units: Must be in gallons per month	January	February	March	April	May	June
Withdrawn	74.035	71.493	80.957	76.33	82.257	77.323
Transferred / Imported / Purchased						
Consumed						
Returned						
Diversions In / Out, if any						

For Transferred water or Diversions Out, use a negative (-) sign

Units: Must be in gallons per month	July	August	September	October	November	December
Withdrawn	82.692	82.325	75.761	75.193	69.491	73.202
Transferred / Imported / Purchased						
Consumed						
Returned						
Diversions In / Out, if any						

Describe location of returned water



New York State Department of Environmental Conservation
Division of Water, Bureau of Water Resources Management
625 Broadway, Albany, NY 12233-3508

Nov 2013

Water Withdrawal Reporting Form

Due by March 31st each year

Prior to filling out this form, please read the instructions on the last page

This form not for Agricultural Facilities

Section 1

Facility Name City of Beacon		Facility Street Address 470 Liberty Street			Reporting Year 2014
City Beacon		Zip 12508	Town N/A	County Dutchess	
Contact Name John Bushek		Email watertreatment@cityofbeacon.org		Telephone (845) 831-3185	
Source Name Cargill	Source Type R	Well Depth	Max Rate 1	Units MGD	
Source Name Melzingah	Source Type R	Well Depth	Max Rate 1.5	Units MGD	
Source Name Mt. Beacon	Source Type R	Well Depth	Max Rate 0.5	Units MGD	
Source Name Well #1	Source Type BW	Well Depth 215	Max Rate 0.8	Units MGD	
Source Name Well #2	Source Type BW	Well Depth 351	Max Rate 1.4	Units MGD	
Source Name Fishkill Well #8	Source Type UW	Well Depth 80	Max Rate 1	Units MGD	
Source Name	Source Type	Well Depth	Max Rate	Units	
Average Day Withdrawal: 2.399 MGD		Maximum Day Withdrawal: 3.21 MGD		Permitted Withdrawal or Max System Capacity 4 MGD	
Submitted by: John F Bushek		Title: Chief Water Plant Operator		Date: Jan. 29, 2015	

Water Withdrawal Category (Check one)
☐ Agricultural
☐ Bottled / Bulk Water
☐ Commercial
☐ Environmental
☐ Industrial
☐ Institutional
☐ Mine Dewatering
☐ Oil / Gas Production
☐ Power Production:
☐ Fossil Fuel
☐ Nuclear
☐ Other Pwr:
☒ Public Water Supply
☐ Recreation:
☐ Golf Course
☐ Snow Making
☐ Other Rec:
☐ Other:

Reset Entire Form

Print Form

Submit by Email

If you do not receive a confirmation email
within 10 minutes, please contact
awqrsdec@gw.dec.state.ny.us

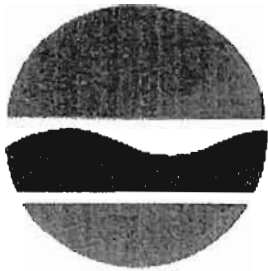
Permittees must record any sales to
outside water systems or facilities on an
additional form. Click this box for the form.

Section 2

Calculation Method: **M** M = Metered readings W = Flow through a weir or flume P = Flow through a pipe or pump run times E = Estimated
C = Pump curve calculation

Units: <i>Must be in gallons per month</i>	January	February	March	April	May	June
Withdrawn	82.632	82.238	78.867	94.688	73.335	78.604
Transferred / Imported						
Consumed						
Returned						
Diversions In / Out, if any						
Units: <i>Must be in gallons per month</i>	July	August	September	October	November	December
Withdrawn	95.342	72.481	71.98	85.37	68.369	69.711
Transferred / Imported						
Consumed						
Returned						
Diversions In / Out, if any						

Describe location
of returned water



New York State Department of Environmental Conservation
Division of Water, Bureau of Water Resources Management
625 Broadway, Albany, NY 12233-3508

Nov 2013

Water Withdrawal Reporting Form

Due by March 31st each year

Prior to filling out this form, please read the instructions on the last page

Section 1

This form not for Agricultural Facilities

2013

Facility Name <u>CITY OF BEACON</u>		Facility Street Address <u>ONE MUNICIPAL PLAZA</u>		Reporting Year <u>2014</u>	
City <u>BEACON</u>	Zip <u>12508</u>	Town <u>—</u>	County <u>DUTCHESS</u>		
Contact Name <u>JAMES MCCOLLUM</u>		Email <u>jmccollum@cityofbeacon.org</u>		Telephone <u>845-831-3136</u>	
Source Name <u>CARGILL</u>	Source Type <u>R</u>	Well Depth	Max Rate <u>1.0</u>	Units <u>MGD</u>	Water Withdrawal Category (Check one) ☐ Agricultural ☐ Bottled / Bulk Water ☐ Commercial ☐ Environmental ☐ Industrial ☐ Institutional ☐ Mine Dewatering ☐ Oil / Gas Production ☐ Power Production: ☐ Fossil Fuel ☐ Nuclear ☒ Other Pwr: ☒ Public Water Supply ☐ Recreation: ☐ Golf Course ☐ Snow Making ☐ Other Rec: ☐ Other:
Source Name <u>MELZINGAH</u>	Source Type <u>R</u>	Well Depth	Max Rate <u>1.5</u>	Units <u>MGD</u>	
Source Name <u>MT. BEACON</u>	Source Type <u>R</u>	Well Depth	Max Rate <u>0.5</u>	Units <u>MGD</u>	
Source Name <u>WELL #1</u>	Source Type <u>BW</u>	Well Depth <u>215'</u>	Max Rate <u>0.8</u>	Units <u>MGD</u>	
Source Name <u>WELL #2</u>	Source Type <u>BW</u>	Well Depth <u>351'</u>	Max Rate <u>1.4</u>	Units <u>MGD</u>	
Source Name <u>FISHKILL WELL #8</u>	Source Type <u>UW</u>	Well Depth <u>80'</u>	Max Rate <u>1.0</u>	Units <u>MGD</u>	
Source Name	Source Type	Well Depth	Max Rate	Units	
Average Day Withdrawal: <u>2.45</u>		Maximum Day Withdrawal: <u>3.0 MGD</u>		Permitted Withdrawal or Max System Capacity <u>4.0 MGD</u>	
Submitted by: <u>JAMES MCCOLLUM</u>		Title: <u>WATER SUPT.</u>		Date: <u>MARCH 20, 2014</u>	

Reset Entire Form

Print Form

Submit by Email

If you do not receive a confirmation email
within 10 minutes, please contact
awqrsdec@gw.dec.state.ny.us

Permittees must record any sales to
outside water systems or facilities on an
additional form. Click this box for the form.

Section 2

Calculation Method:

M

M = Metered readings

W = Flow through a weir or flume

P = Flow through a pipe or pump run times

E = Estimated

C = Pump curve calculation

Units: <i>Must be in gallons per month</i>	January	February	March	April	May	June
Withdrawn	85,070 MG	69.732 MG	67.289 MG	67.333 MG	86.447 MG	70.922 MG
Transferred / Imported						
Consumed						
Returned						
Diversions In / Out, if any						
Units: <i>Must be in gallons per month</i>	July	August	September	October	November	December
Withdrawn	90.840 MG	70.874 MG	65.526 MG	79.675 MG	58.306 MG	83.550 MG
Transferred / Imported						
Consumed						
Returned						
Diversions In / Out, if any						

Describe location
of returned water

New York State Department of Environmental Conservation

Division of Water, Bureau of Water Resources Management
625 Broadway, Albany, NY 12233-3508

Water Withdrawal Reporting Form

Due by March 31st each year

Prior to filling out this form, please read the instructions on the last page

This form not for Agricultural Facilities

Section 1 of 6 - Basic Information

Facility Name	City of Beacon Water Treatment Plant	Facility Street Address	470 Liberty St	Reporting Year	2017
City	Beacon	Zip	12508	Town	N/A
				County	Dutchess
Contact Name	Matthew Fezza	Email	watertreatment@cityofbeacon.org	Telephone	(845) 831-3185

Source Name	Cargill	Source Type	R	Well Depth		Max Rate	1	Units	MGD
Source Name	Melzingah	Source Type	R	Well Depth		Max Rate	1.5	Units	MGD
Source Name	Mt. Beacon	Source Type	R	Well Depth		Max Rate	0.5	Units	MGD
Source Name	Well #1	Source Type	BW	Well Depth	215	Max Rate	0.8	Units	MGD
Source Name	Well #2	Source Type	BW	Well Depth	351	Max Rate	1.4	Units	MGD
Source Name	Fishkill Well #8	Source Type	UW	Well Depth		Max Rate	1	Units	MGD
Source Name		Source Type		Well Depth		Max Rate		Units	

2.454	MGD	3.052	MGD	4	MGD
Average Day Withdrawal	Units	Maximum Day Withdrawal	Units	Maximum System Capacity or NYSDEC Permitted Withdrawal	Units

Submitted by	Matthew Fezza	Title	Chief Operator	Date	2/6/2018

Water Withdrawal Category

(Check One)

☒ Agricultural - Must use form at <http://www.dec.ny.gov/lands/86904.html>

☐ Bottled / Bulk Water

☐ Commercial

☐ Environmental

☐ Industrial

☐ Institutional

☐ Mine Dewatering

☐ Oil / Gas Production

Power Production:

☐ Fossil Fuel

☐ Nuclear

☐ Other Pwr

☒ Public Water Supply

Recreational:

☐ Golf Course

☐ Snow Making

☐ Other Rec

☐ Other Category

Water Withdrawal Reporting Form

Section 2 of 6 - Water Use

Calculation Method M

If multiple methods are used, choose the one that measures the greatest percentage of water in your system.
 E = Estimated M = Metered readings W = Flow through a weir
 P = Flow through a pipe or pump run times C = Pump curve calculation

Units: Must be in gallons per month	January	February	March	April	May	June
Withdrawn	82.674	70.987	76.898	72.32	74.541	74.761
Transferred / Imported / Purchased						
Consumed						
Returned						
Diversions In / Out, if any						

For Transferred water or Diversions Out, use a negative (-) sign

Units: Must be in gallons per month	July	August	September	October	November	December
Withdrawn	78.664	78.247	72.875	72.725	69.465	71.805
Transferred / Imported / Purchased						
Consumed						
Returned						
Diversions In / Out, if any						

Describe location of returned water

Water Withdrawal Reporting Form
Section 3 of 6 - General Map and Interbasin Diversions

General Map Required

Please submit a map showing the location of all withdrawals and any points of return flow. Precise locations will remain confidential.

A map is not necessary if one was submitted in a previous year and no changes have occurred.

A paper copy of a USGS map or other high quality map or an electronically generated map can be faxed, mailed, or emailed. Please ensure that the map scale is sufficient to be able to see specific locations. Designate all water withdrawal locations on the map. Add markers to locate any related dams, weirs, or diversion structures. Label the name of each point.

Submit your map to DEC in one of the following ways:

- Print and mail or fax to 518 402-8290. Include cover letter identifying facility owner.
- Print, scan and email to awqrsdec@dec.ny.gov
- Copy electronically and email to awqrsdec@dec.ny.gov

Interbasin Diversions

Fill out this section only if water is being transferred between major drainage basins. To determine basin ID, go to the [DEC Major Drainage Basins map \(http://www.dec.ny.gov/lands/56800.html\)](http://www.dec.ny.gov/lands/56800.html). Then enter the basin ID by using the drop down menus under Originating and Receiving Major Drainage Basin headings below. Describe the locations of originating and receiving sites in the site description boxes (e.g. Town water intake on Route 12 at northern end of Pleasant Lake to Stony Reservoir near Bear Road).

Originating Major Drainage Basin

Basin Name

Originating Site Description

Receiving Major Drainage Basin

Basin Name

Receiving Site Description

Water Withdrawal Reporting Form

Section 4 of 6 - Water Conservation and Efficiencies

Instructions: Check one of the boxes below for EITHER Section A or Section B, as appropriate for your facility type. A list of questions pertinent to that facility type will appear. Please answer all questions.

☒ Section 4A: Public Water Supply Facilities

☐ Section 4B: Non-Public Water Supply Facilities

If the incorrect box is selected, just scroll back up a page and change selection

NOTE: All permitted water withdrawal systems must have a [Water Conservation Program](#).

Water Withdrawal Reporting Form

Section 4A: Public Water Supply Facilities

Public water suppliers must answer all the questions in this section

1. Are all sources of supply including major interconnections equipped with master meters? ☒ Yes ☐ No

2. What percentage of your system is metered? % Average age of meters, in years: Range of age of meters, in years:

3. How often were customer meters read this past year? (choose from drop list)

4. Number of water service connections: Total population served:

5. How many customer meters were recalibrated and/or replaced in the past year?

6. Miles of pipe in water distribution system: Length of pipe replaced in the past year: Units:

7. Miles of pipe on which leak detection was performed using sonic listening equipment: Type of equipment used:

8. How many system-wide water audits were performed in the past year?

9. Residential charge per 1000 gallons of water: \$

10. What percentage of the water withdrawn was not billed to customers? % Lost to distribution system leakage? %

11. Was information about household water saving devices and ways to reduce water use distributed to residential customers? ☒ Yes ☐ No

12. Was water conservation information about promoting recycling and reuse distributed to industrial and commercial customers? ☒ Yes ☐ No

13. Do you have lawn sprinkling time restrictions (e.g. odd/even days) during periods of peak demand? ☐ Yes ☒ No

14. Do you have a plan that takes progressive steps to further reduce outdoor water use during drought conditions with an ordinance or procedure to assure compliance? ☒ Yes ☐ No If yes, please forward a copy to the address shown in Section 1 of this form.

15. Please review your permit(s) for any specific water conservation conditions and report below on progress made in past year:

Water Withdrawal Reporting Form
Section 5 of 6 - Outside Sales to Other Water Systems or Facilities

Instructions:

Permittees must record any sales to outside water systems or facilities. If this applies to your facility, please check the box titled, "Section 5 - Outside Sales" and fill in the information requested.

If your facility does not sell water to systems or facilities other than your own, skip the section by clicking the box for "No Outside Sales".

☐ Section 5 - Outside Sales

☒ No Outside Sales

If the incorrect box is selected, just scroll back up a page and change selection

Water Withdrawal Reporting Form

Section 6 of 6 - Forward Form To NYSDEC

Unless required fields have not been filled in, the form can now be sent to NYSDEC. To send the form electronically, simply click the green box titled, "Click here to submit by email after filling out all sections of this form". Alternatively, the form can be printed and then mailed or faxed to NYSDEC at the address found on the first page.

When the form is sent by clicking the "submit by email" button, an automatic confirmation is returned. If this does not arrive within 10 minutes, please contact awqrsdec@dec.ny.gov

Click here to submit by email
after filling out all sections
of this form

Print Form

Print Blank Form For
Handwritten Submission

Clear Entire
Form

Water Withdrawal Reporting Form

Instructions & Definitions

Agricultural Purpose	The practice of farming for crops, plants, vines and trees, and the keeping, grazing or feeding of livestock, for sale of livestock or livestock products. Agricultural facilities must use the form titled "Registration and Water Withdrawal Reporting Form for Agricultural Facilities".
Public Water Supply	Supply water to the public. Examples include: municipality, hotel, apartment, restaurant, church, campground, etc.
Source Name	Name of well or surface water body (e.g., Well No. 1, Alcove Reservoir, etc.). List all sources including unused or back-up wells.
Source Type	S = Stream or River. L = Pond or Lake. R = Reservoir. BW = Bedrock Well. UW = Unconsolidated Well (e.g., sand and gravel). SP = Spring. P = Purchased.
Well Depth	Total depth in feet below ground surface. Leave blank for surface sources.
Max Rate	Maximum potential withdrawal rate of the water source. Will be equal to or greater than Permitted Rate.
Units (Max Rate)	Gallons per minute (gpm), gallons per day (gpd), or million gallons per day (mgd). Use drop down menu.
Average Day Withdrawal	Total amount withdrawn during reporting year divided by total days withdrawn.
Maximum Day Withdrawal	Largest single day withdrawal rate of the source during the reporting year.
Maximum Sys Capacity or Permitted Withdrawal	If permit information is unknown, contact NYSDEC at awqrsdec@dec.ny.gov or 518-402-8182. Maximum system capacity is the sum of all sources simultaneously pumping at full rate.
Calculation Method	If multiple methods are used, choose the one that measures the greatest percentage of water in your system E = estimated. M = metered readings. W = flow through a weir or flume. P = flow through a pump or pump run time. C = Pump curve calculation.
Withdrawn	Amount of water removed from all sources. This includes groundwater and/or surface water.
Transferred/Imported	Amount of water brought in from or sent to another facility, includes bulk sales. For transferred water use a negative (-) sign.
Consumed	Amount of water not returned (e.g. water incorporated into a product or lost through evaporation). Public water suppliers must use metered sales to customers. Irrigation is considered "consumed water".
Returned	Amount of water discharged to a water treatment system or discharged back to the environment. Irrigation is not returned water.
Diversions In/Out	Amount of water, if any, diverted from/to another major drainage basin. For Diversions Out, use a negative (-) sign.
Location of Returned Water	State the general area where returned water is discharged. Example: "Hudson River near Poughkeepsie", "Groundwater near Auburn".
Major Drainage Basins	Report only "Major Basin" transfers. Use the internet link available on the form and enter Basin ID into the box indicated (use drop down menu). Describe the location of originating withdrawal and receiving discharge. Be as specific as possible.
Water Audit	A water audit is a thorough examination of the accuracy of water records and system control equipment to determine water system efficiency and to identify, quantify, and verify water and revenue losses. Water audits are beneficial in identifying the amount of unaccounted-for water.

PLATE

