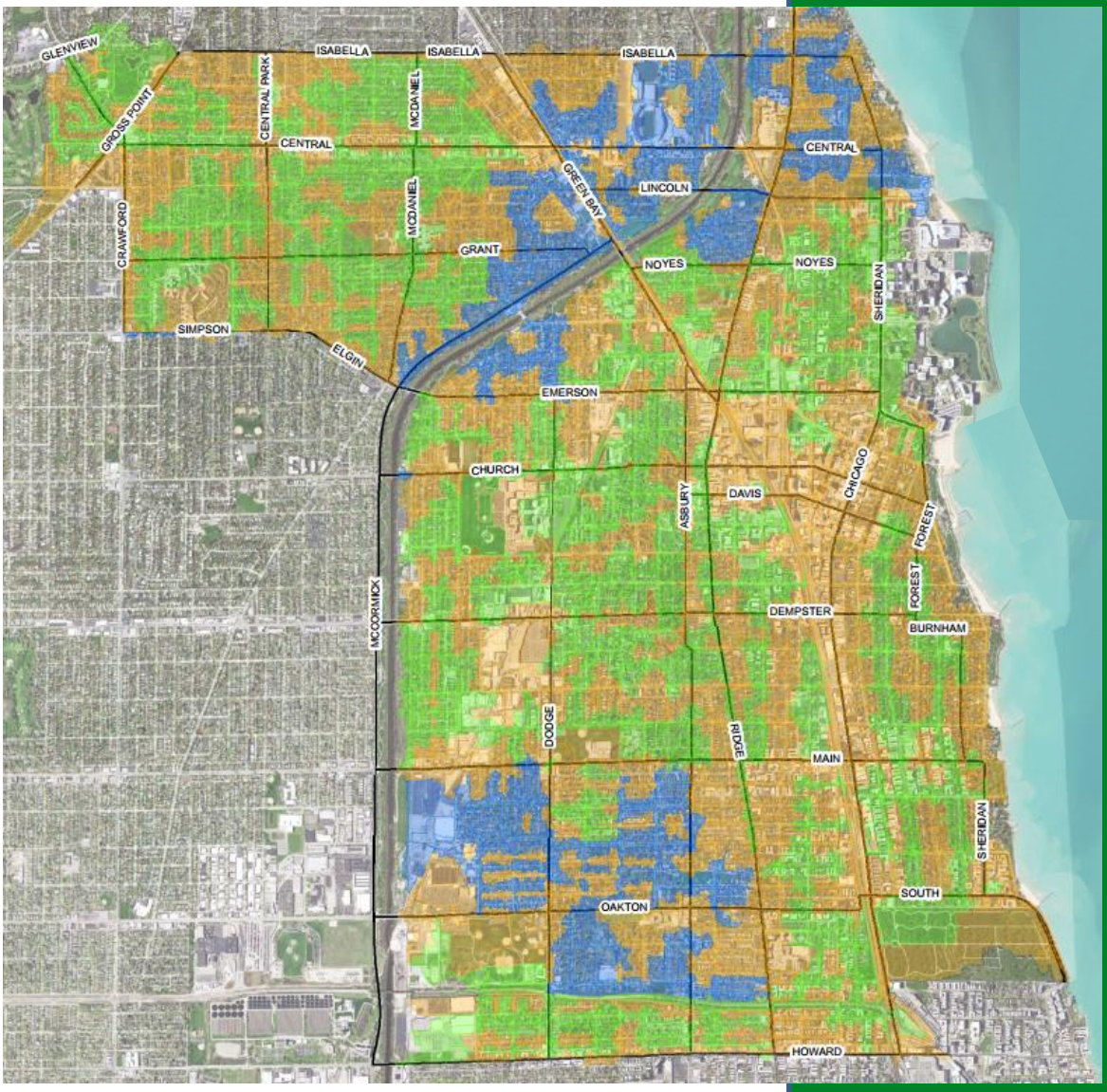
City of Evanston

Stormwater Master Plan



City of Evanston

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June 29, 2023

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1. Executive Summary

1.1. Introduction

In 2019, Evanston prepared a Stormwater Management Guide (Guide) to identify the goals and approaches for managing the City's future stormwater needs. A key recommended action in the Guide was to prepare a Stormwater Master Plan based on detailed hydrologic and hydraulic modeling.

The main tasks involved in this study include:

- Data collection
- Model build
- Flow monitoring
- Model Calibration
- System Evaluation
- Improvement Development and Evaluation

The foundational task of this Stormwater Master Plan was to develop a detailed hydrologic and hydraulic model of the sewer system. The models prepared for this study include all public sewers and select private sewers when data was available. The existing system performance was evaluated, and identification and development of specific project capital improvements was addressed using the information and tools developed by this study.

1.2. System Overview

The City of Evanston's sewers are a complex system of interconnected components comprised of private infrastructure and public infrastructure. While the City is responsible for a majority of the drainage system, private landowners control or own the sewers that discharge into the system, and the Metropolitan Water Reclamation District (MWRD) operates and can partially control the interceptor sewers, deep tunnel and North Shore Channel, which is downstream of the sewers operated by the City. There are parts of the system that are over a century old, while new components are continuously added through redevelopment and public infrastructure improvements.

The original combined sewer system consists of a series of street sewers and trunk sewers that are sub-divided into 15 drainage basins. Each combined sewer basin includes a separate trunk sewer and an independent connection to MWRD facilities, which directly discharge to the MWRD Tunnel and Reservoir Plan (TARP) deep tunnel system or are indirectly connected to TARP through the MWRD North Shore Intercepting sewer. The combined sewer system basins are shown in Exhibit 2.1.

As part of the City's Long Range Sewer Program, the City supplemented the combined sewer system capacity with a series of relief sewers and storm sewers installed between 1991-2008. Restrictors are utilized in combined sewer drainage inlets/catch basins to reduce the risk of surcharging and basement back-ups during heavy rains. The relief sewer system is divided into seven drainage basins that have direct connections to TARP through drop shafts. The storm sewer system is divided into 10 drainage basins that discharge to the North Shore Channel or Lake Michigan. The relief and storm sewer system basins are shown in Exhibit 2.2.

1.3. Modeling

XPSWMM 2D was the modeling software selected for the Evanston Stormwater Master Plan. This model performs both hydrologic (rainfall and runoff) and hydraulic (flow overland and through sewers) computations. The City of Evanston was divided into three model areas, "Northwest", "Southwest," and "Main."

The hydrology and hydraulic portions of the model were updated using 2017 Cook County LIDAR (Light Detection and Ranging) elevation data, City of Evanston sewer Geographic Information System (GIS) database, as-built plans from the City and MWRD, and field verification. Design storm rainfall depths were based on the values provided in Bulletin 75 (*Precipitation Frequency Study for Illinois, Illinois State Water Survey, 2020*). Two historical storms were included, September 13, 2008 and April 17, 2013. According to Intergovernmental Panel on Climate Change (IPCC) 2013 Summary for Policymakers, the frequency of large rainfall events may nearly double by the end of the 21st century.

1.4 System Evaluation

Flow monitors, level monitors, and rain gages were installed to calibrate the sewer system models. The monitoring duration was from May 15, 2021 – August 18, 2021. The two most significant rainfall events during the monitoring period occurred on June 20, 2021 and August 10, 2021 and these were used for calibration.

The calibration process revealed that there are significant discharges to the existing sewer system that are not limited by the inlet restrictors. Without detailed monitoring throughout the interior of the drainage system (not just the outfalls), there is no way to know at this time if the additional flow into the combined sewer system occurs from widespread inflow and infiltration, or from a number of historical developments that discharge unrestricted into the system. Using the calibrated model setup to evaluate the design storm events could result in overestimating stages and flows in neighborhoods that are well protected by inlet restrictors. Because the source of the additional flow is currently unknown, the inlet capacities were restored to their designed maximum flow rates when evaluating the system to determine system performance under design storms.

The XPSWMM models were used to analyze two historically significant storms. These events include the September 13, 2008 storm and the April 17, 2013 storm.

The three models for the City of Evanston were used to evaluate the system response to a variety of rainfall depths and durations. The design storms were based on Bulletin 75 and were evaluated using the 2-, 5-, 10-, 50- and 100-year storm events. In general, the drainage system is critical for the 2-hour duration. The 2-hour storm should be used to evaluate flooding that results from the portion of the system owned and controlled by Evanston, as these facilities will be overwhelmed by a shorter duration event. The 12-hour storm was evaluated in conjunction with a high tailwater condition in the MWRD interceptors, MWRD TARP, and the North Shore Channel to represent a longer, more regional storm event where the capacity of those outfalls to receive discharge from Evanston is very limited.

Sewer surcharge risk was assessed using the hydraulic grade line elevation of the local sewer compared to a typical depth at which basement flooding would be expected to occur. The sewer surcharge performance criterion used was four feet below the rim of the sewer structure. However, this study did not include detailed information for each residential basement, therefore sewer surcharge risk was based on the typical condition. The level of service for sewer surcharging varies across Evanston and is summarized in Table 1.1.

Table 1.1. Sewer Surcharge Risk Results Summary Table

Model Area	Portion of Model Inflow Points with with Hydraulic Grade Line within 4' of Street Surface				
	2-year Storm	5-year Storm	10-year Storm	50-year Storm	100-year Storm
Main	36%	54%	66%	75%	77%
Northwest	0%	14%	21%	37%	49%
Southwest	7%	10%	11%	21%	23%
Total	23%	39%	48%	59%	63%

Surface flooding risk is predicted when inundation for flood surface areas would threaten a structure. A depth of six inches or greater intersected with the limits of a building was identified as a structure with potential surface flooding risk. It is summarized in Table 1.2.

Table 1.2. Surface Flooding Risk Results Summary Table

Model Area	Number of Buildings with Surface Flooding Risk	
	10-year Storm	100-year Storm
Main	32	138
Northwest	3	13
Southwest	6	16
Total	41	167

There are two general conditions that can cause basement flooding in Evanston. The first is a lack of capacity in Evanston's local sewer system. This occurs during short duration, intense rainfall events that exceed the capacity of the system to convey the flows to the MWRD interceptors, TARP, and the combined sewer overflows (CSOs). This condition was represented by the 2-hour storm duration.

The second scenario is a longer, more regional storm event where the capacity of MWRD outfalls is limited and the North Shore Channel elevations are high. While the overall system is best evaluated using the short duration storm, there are several areas throughout the City that experience higher sewer surcharging risk in the longer duration storm.

1.5 Stormwater Management Recommendations

Stormwater management program recommendations have been prepared in three categories: Regulatory Program, Private System, and Public System. Table 1.3 summaries the recommendations in each category.

Table 1.3. Stormwater Management Recommendations

City of Evanston Stormwater Management Program Recommendations		
Regulatory	**Private System**	**Public System**
• Detention requirements • Private property plumbing code requirements • Property Transfer Inspections	• Overhead sewers • Sanitary sewer backup prevention • Sump pumps • Lot drainage • Floodproofing	• Capital Improvements • Combined Basin 07 Sewer Improvement Concept • Southwest Surface Flooding Concept • Green Infrastructure Program • Sewer System Monitoring

Evanston has adopted a number of regulations that govern stormwater management and drainage in the City. Updates to various regulations pertaining to stormwater can be strengthened to provide short- and long-term improvements.

The City could update their regulations to include the following for detention regulation:

- Consider stormwater performance criteria for single residential lots.
- Require detention for buildings smaller than 5,000 square feet.
- Require detention for parking lot resurfacing.
- Modify fee-in-lieu program to include residential lots.
- Update stormwater control fact sheet.

The City could update their private property plumbing code to include the following requirements:

- Require backflow preventers or overhead sewers for building additions or improvements.
- Require downspout and sump pump disconnection for building additions or improvements.

The City could investigate the ability to create and enforce the necessary procedures or forms to implement the following recommendations.

- Require backflow preventers/overhead sewers for sales of homes.
- Require basement flooding inspection/remediation at point of sale for homes.
- Require downspout disconnection at point of sale for homes.
- Require inspection of lateral sewer at sales of homes.
- Require inspection of sump pump.

There are multiple options available for property owners to improve their level of protection against flooding of their home. These can include the following:

- Overhead sewers
- Sanitary sewer backup prevention

- Sump pumps and roof drains
- Lot Drainage
- Floodproofing/waterproofing

Recommendations and future improvements to the public sewer system include capital improvements, green infrastructure, and sewer monitoring. Several policies could be considered with regard to the public system.

Capital improvement projects will be needed to improve system performance in areas that experience repeated flooding or for areas where surface flooding inundation risk has been identified. Types of improvements could include:

- Sewer capacity improvements
- Outlet improvements or modifications
- Detention or flood storage basins
- Green infrastructure

Combined Sewer Basin 07 was analyzed for opportunities to reduce sewer surcharging risk, specifically along Darrow Ave. north and south of Emerson St. A conceptual solution for this area included increasing the sewer capacity along Darrow Ave. and Emerson St. and reconfiguring the outfall to TARP. This conceptual improvement represents the types of solutions that should be possible to identify and implement for areas of localized flooding or underperforming sewers.

The southwest area of Evanston, bounded by Main and Oakton Sts. and Dodge Ave. and Hartrey/Pitner Aves. was analyzed for opportunities to reduce surface flooding. In order to alleviate the surface flooding in this area, the stormwater infrastructure will need to provide the 100-year, overland flow capacity in a pipe system since an overland flow path is not available. In order to reduce the flood risk in the 100-year storm the conceptual improvement would require approximately 8,000 feet of trunk sewer, 2,000 feet of local sewer, and high capacity inlets into the system.

Mason Park is an existing City owned park located south of Church St. between a former railroad right-of-way and Florence Ave. that was analyzed for green infrastructure opportunities. There is currently a project underway to evaluate and improve the park area and improve transportation connectivity in the area. This conceptual green infrastructure solution could be incorporated into the ongoing project. The concept includes the disconnection of neighborhood inlets from the combined sewer system and redirecting the stormwater to a bioswale designed to capture the 10 year, 24 hour storm runoff.

Green infrastructure is a way of managing stormwater that filters and absorbs stormwater where it falls, instead of using grey infrastructure to move the stormwater away. Green infrastructure is one way to provide resilience to the stormwater system as well as having environmental, social, and economic benefits. Evanston currently has a green building ordinance that provides credit for installation of best management practices (BMPs), but standards could be developed for public projects. Accounting for additional stormwater capture in green infrastructure can help alleviate the impact of future potential increases in rainfall. Providing and promoting stormwater runoff volume capture can provide a cumulative benefit over time to the City's overall stormwater peak runoff while improving water quality.

The City should acquire and install additional water level meters at locations of interest or in priority project areas. These meters are low cost, battery operated, relatively simple to install, and can be deployed for months at a time. They can also be easily moved and operated at new locations of interest.

2. Introduction

2.1. Background

The origins of the City of Evanston's sewer system can be traced back to the 1880's. It is no wonder that after more than 140 years, the sewer system is now a complex system of interconnected components that work to manage both sewage and stormwater. It is not surprising that over this time, the goals and objectives for operating the sewer system have also evolved. The earliest sewers were designed and intended primarily to improve public health. We now expect the sewer system to protect public health, protect water quality and the environment, and prevent property damage caused by flooding.

Almost since its founding, there have been ongoing efforts to improve and expand the drainage system in Evanston. Some of these undertakings were very significant projects such as the construction of the North Shore Channel by the MWRD in the early 1900's, MWRD's TARP or "Deep Tunnel" started in the 1970's, and Evanston's relief sewer program started in the 1980's. While these projects represent the largest investments made in the system, countless smaller street projects completed as the City developed and redeveloped are responsible for the majority of today's sewer system.

Typical approaches to drainage design in the mid-20th century did not result in a system capable of providing the desired level of service. As a result, many communities have needed to reinvest in their drainage systems over the last 30 years. However, climate change is now posing new challenges. The intensity and frequency of severe storm events are increasing compared to just several decades ago. The City's Climate and Resilience Action Plan (CARP) set ambitious targets to reduce the impact of climate change on the community, which includes evaluating the sewer system through the lens of climate change.

2.2. Purpose

In 2019, Evanston prepared a Stormwater Management Guide to identify the goals and approaches for managing the City's future stormwater needs. A key recommended action in the Guide was to prepare a Stormwater Master Plan based on detailed hydrologic and hydraulic modeling. A detailed understanding of the system is needed in order identify recommendations to meet the desired performance goals now and into the future.

2.3. Scope and Approach

The main tasks involved in this study include:

- Data collection
- Model build
- Flow monitoring
- Model Calibration
- System Evaluation
- Improvement Development and Evaluation

The foundational task of this Stormwater Master Plan was to develop a detailed hydrologic and hydraulic model of the sewer system. While there were some modeling efforts completed in the early 1990's in support of the relief sewer program, there had never been a comprehensive system modeling

effort. The models prepared for this study include all public sewers. When data was available, select private sewers, particularly for larger developments, were also included in the model. The existing system performance was evaluated. This Stormwater Master Plan concludes with identification of conceptual improvements and recommendations for the stormwater management program. Identification and development of specific project capital improvements will be addressed using the information and tools developed by this study.

2.4. Evanston Drainage System Overview

The City of Evanston's sewers are a complex system of interconnected components comprised of private infrastructure and public infrastructure. While the City is responsible for a majority of the drainage system, private landowners control or own the sewers that discharge into the system, and the MWRD operates and can partially control the interceptor sewers, TARP and North Shore Channel, which is downstream of the sewers operated by the City. There are parts of the system that are over a century old, while new components are continuously added through redevelopment and public infrastructure improvements.

The City Code defines the City Sewer System as:

> "The networks of closed pipes, conduits, and drainage structures within the city which consists of three (3) operational parts: the storm sewer system, which conveys storm water only; the combined sewer system, which conveys a combination of storm water and wastewater; and the relief combined sewer system, which conveys storm water during most ordinary rainfall events, until the combined sewer system capacity is reached, at which point the combined sewer system discharges into the relief combined sewer system."

The original combined sewer system consists of a series of street sewers and trunk sewers that are sub-divided into 15 drainage basins. Each combined sewer basin includes a separate trunk sewer and an independent connection to MWRD facilities. Some of these basins directly discharge to the MWRD TARP deep tunnel system through drop shafts, while others are indirectly connected to TARP through the MWRD North Shore Intercepting sewer. The combined sewer system basins are shown in Exhibit 2.1.

The newer relief and storm sewer systems relieve the combined sewers by providing additional hydraulic capacity during wet weather. Restrictors are utilized in combined sewer drainage inlets/catch basins to reduce the risk of surcharging and basement back-ups during heavy rains. Excess runoff reaches relief and storm sewer inlets by overland flow, and any runoff that is beyond the capacity of the relief and storm sewer systems is temporarily stored within the curb line of the streets.

As part of the City's Long Range Sewer Program, the City supplemented the combined sewer system capacity with a series of relief sewers and storm sewers installed between 1991-2008. The relief sewer system is divided into seven drainage basins that have direct connections to TARP through drop shafts. The storm sewer system is divided into 10 drainage basins that discharge to the North Shore Channel or Lake Michigan. The relief and storm sewer system basins are shown in Exhibit 2.2.

A summary of pipe lengths and sizes in the City's sewer systems include:

- Combined Sewer System – 144 miles of pipe ranging from 6" to 72" diameter
- Relief Sewer System – 55 miles of pipe ranging from 6" to 120" diameter
- Storm Sewer System – 16 miles of pipe ranging from 8" to 60" diameter

3. Modeling Approach and Methodology

3.1. Introduction

XPSWMM 2D was the modeling software selected for the Evanston Stormwater Master Plan. XPSWMM 2D is a comprehensive software package for dynamic modeling of stormwater, sanitary or combined systems, and river systems. This model performs both hydrologic (rainfall and runoff) and hydraulic (flow overland and through sewers) computations. Evanston has a large number of restricted inlets that are intended to reduce the flow of water into the combined sewer system and instead create surface flow to relief sewer inlets. Due to the high degree of interaction between the surface flow and the underground sewer system, the modeling software for this project needed both 1D (one-dimensional) and 2D (two-dimensional) hydraulic analysis capabilities. For the hydraulics component, the program utilizes a traditional 1D pipe network to represent sewers and a digital elevation model (DEM) to represent surface flow and surface storage. The 2D portion of the model greatly simplifies the construction of the model while vastly improving the level of detail included in the model. Also, instead of simply depicting the limits of flooding or ponding, the model animates the movement of stormwater runoff and overland flow across the ground surface to allow for greater detail and understanding of how and why certain areas flood. Other benefits of XPSWMM include that it based on EPA SWMM as developed by the United States Environmental Protection Agency (USEPA) and is approved for use by the Federal Emergency Management Agency (FEMA), having met the minimum requirements of the National Flood Insurance Program (NFIP).

3.2. Hydrology

3.2.1. Catchment Delineation

The model uses catchments or subbasins to define the area that drains to each node that is represented in the drainage system. Each node in the model represents a point where runoff may enter a combined sewer, storm sewer or relief sewer. Each node may have one or more catchments. The sources of data used for the delineation of catchments included the 2017 Cook County LIDAR elevation data and the City of Evanston sewer GIS database. The Environmental Systems Research Institute's (ESRI's) ArcHydro toolbox was used to automatically process the delineation to each City-owned open sewer structure in the Evanston GIS database. Approximately 9,500 catchments were delineated. Refinements were made to the automatically delineated basins using aerial imagery, the Village of Wilmette sewer GIS data, detention information provided by the City, and as-built plans for private developments and the City of Evanston's sewer projects. The Village of Wilmette sewer GIS data was used to represent structures and pipes that are near the border of the two communities. The catchment delineations are shown in Exhibit 3.1. Catchments are depicted based on the type of sewer they drain to – combined (orange), storm (blue), or relief (green).

The City of Evanston was divided into three model areas as shown in Exhibit 3.2. The dividing lines for the models were selected so that there would be minimal exchange of flow between models. The "Northwest" model is bounded by the City limits on the north, west, and south and the North Shore Channel is the boundary for the southeast edge of the polygon. The Northwest model has 2,558 catchments and includes 1,887 acres of the City of Evanston. The "Southwest" model is bounded by the North Shore Channel to the west, roughly along Lee St to the north, Ridge Ave to the east, and Howard St to the south (the southern border of Evanston). The Southwest model has 1,751 catchments and

includes 1,424 acres of the City of Evanston. The "Main" model included the rest of Evanston and is the largest of the three models. The Main model has 6,145 catchments and includes 3,094 acres of the City of Evanston. There is an overlap area in the Southwest and Main models. There is one location that has significant flow from the Southwest Model into the Main model, located at the intersection of Cleveland Street and Dewey Avenue. At this location, outflow from the node in the Southwest model is used as inflow to the node in the Main model.

3.2.2. Hydrologic Parameters

The Soil Conservation Service (SCS) Runoff Curve Number (CN) method was selected as the method for estimating rainfall excess (runoff) from rainfall. The SCS method is a common method for estimating excess rainfall runoff, and input parameters are watershed drainage areas (discussed above), runoff curve number, initial abstraction, dry weather flow, and time of concentration. The SCS method allows the use of different rainfall distributions for different storm durations. The SCS method was chosen because it is suited to generating hydrographs for individual sub-areas, combining them, and then routing them through conduits and storage facilities. This method is also by far the most commonly used approach in northeastern Illinois, with practitioners and regulators both having strong familiarity with it. The sections below describe how the input parameters needed for this method were calculated.

3.2.2.1. Curve Number

The Runoff Curve Number (CN) is a coefficient that can be used to estimate runoff potential based on land use and the hydrologic characteristics of the underlying soil. The curve number was calculated for each catchment using land use and soil classification data. The City of Evanston provided GIS data for the impervious area in the City (including buildings, alleys, garages, decks/patios, street outlines, and parking lots). Based on this information the total imperviousness for the City was computed to be 33%. All impervious areas were assigned a curve number of 98. For pervious areas of the City, the curve number was assigned based on the hydrologic soil group, and ranged from 74 to 80 depending on surface type and soil group. The source of the soil classification data was the Natural Resources Conservation Service (NRCS) Web Soil Survey as accessed on January 21, 2021. Adjustments to the initial curve number values were later made during the model calibration process, as discussed in Section 4.1.2.

3.2.2.2. Initial Abstraction

The initial abstraction (I_a) represents all losses before runoff begins, including water retained in surface depressions, water intercepted by vegetation, evaporation, and infiltration. The commonly used default value for the I_a parameter is 0.20. This value can overestimate retained water, particularly in urban systems with high amounts of directly connected impervious area. This parameter was reduced to 0.05 during the calibration process.

3.2.2.3. Dry Weather Flow

Dry weather flow represents flow in the system that results from human activity and is defined as the flow that exists during rainless periods. The flow can be composed of domestic, commercial, industrial, or institutional waste. Dry weather flow was assigned to the combined sewer basins based on an average flow rate derived from the monitoring data. The measured dry weather flow was prorated to constant flow inputs to all combined sewer mainline nodes. Flow loadings ranged from 0.003 to 0.007 cubic feet per second (cfs) per node.

3.2.2.4. Time of Concentration

The Time of concentration (Tc) represents the total travel time of water from the most remote point in a sub-basin to the sub-basin outlet. Tc can include overland flow, shallow concentrated flow, and channel flow. To calculate the Tc, the ESRI ArcHydro toolbox was used to calculate the length of the longest flow path and the slope. Assumptions were made for the minimum slope, the sheet flow length, the sheet flow Manning's roughness coefficient, and the shallow concentrated length. With this data, the Tc was calculated for each of the catchments. Tc ranges from 5 minutes to 42 minutes.

3.2.3. Precipitation

Precipitation depths are a key input parameter used in the model to evaluate the stormwater management system. For the calibration storms and the historical storms, hourly rainfall records were used to create precipitation input files. Design storm rainfall depths were based on the values provided in Bulletin 75 (*Precipitation Frequency Study for Illinois, Illinois State Water Survey, 2020*).

3.2.3.1. Calibration Storms

Monitoring was performed by ADS Environmental Services to collect data to calibrate the sewer system models developed for the Evanston Stormwater Master Plan. Three types of devices were installed: rain gauges, flow monitors, and level meters. The two most significant rainfall events during the monitoring period occurred on June 20, 2021 and August 10, 2021.

June 20, 2021 – The rain started at 10:40pm on June 20, 2021 and continued until 12:35am on June 21, 2021. The rainfall totals from the different gauges employed at the time ranged from 1.45" to 2.05" over approximately two hours. The rainfall frequency for this event was a 1-year to 2-year storm. This was the largest rainfall event captured during the entire monitoring period. However, there were five flow monitors that were not yet installed when this event occurred.

August 10, 2021 – Rainfall started at 7:05pm and continued until 9:45pm on August 10, 2021. The rainfall totals from the different gauges employed at the time ranged from 0.91" to 1.14" over approximately three hours. The rainfall frequency for this event was a 3-month to 4-month storm. This was the largest rainfall that occurred with flow monitors installed at all 23 locations.

3.2.3.2. Historical Storms

In addition to storms that occurred during the monitoring effort, two notable historical storm events were modeled to compare results to historical observations. Hourly rainfall records were provided by MWRD from the Wilmette-Lake Gage and the O'Brien plant gage. These two storms are:

- *September 13, 2008* – This is a regionally significant storm that occurred as a result of Hurricane Ike. The most intense period of rain started at 1:00 am on September 13 when 7.66 inches of rain fell over 38 hours. The rainfall total represents a 25-year to 50-year, 48-hour storm. The maximum 24-hour rainfall in Evanston during this storm was 6.29 inches, which is between a 10-year and 25-year storm. Peak rainfall totals for durations less than 6 hours that occurred during this event are below the 25-year design storm.
- *April 17, 2013* – This storm event started at 10:00 am on April 17 and lasted until 12:00 pm on April 18. A total of 4.83 inches fell during this event. The maximum 24-hour rainfall was 4.75 inches, which is between a 5-year and 10-year storm. Peak rainfall totals for durations less than 6 hours that occurred during this event are below the 5-year design storm. This storm was significant because it traveled from southwest to northeast over the metropolitan area. By the

time it reached Evanston, the MWRD TARP tunnel serving Evanston was already full, and the North Shore Channel had risen, both restricting the outlet capacity of Evanston sewers.

3.2.3.3. Design Storms

Rainfall depths, durations and distributions were based on Bulletin 75. The drainage system existing conditions were evaluated using the 2-, 5-, 10-, 50- and 100-year storm events. The 1-hour through 24-hour storm durations were used to determine the critical duration of the system. The 1-hour through 6-hour storms used the Huff distribution, Quartile 1 for less than 10 square miles. The 12-hour storms used the Huff distribution, Quartile 2 for less than 10 square miles. The 18-hour to 24-hour storms used the Huff distribution, Quartile 3 for less than 10 square miles.

In general, the drainage system is critical for the 2-hour duration. This means the system produces the highest flows and stages for a storm duration of 2 hours. While the 1-hour storm is slightly more intense than the 2-hour storm, it does not produce as much runoff as the 2-hour storm. The total rainfall depths increase as the design event durations get longer, but the rainfall intensities become lower and the urban system is more capable of handling the rate of runoff. For some areas that may be sensitive to higher volumes, such as depressional flooding areas, the 12- or 24-hour storms may be critical. When system improvements are designed, the full range of durations is checked again to ensure that the performance objectives are achieved across all event durations.

Bulletin 75 (2020) replaced Bulletin 70, which was published in 1989. These documents provide the rainfall depths that have been used for design and risk assessment in Illinois. An additional 34 years of rainfall data was included in the analysis and computed statistical rainfall depths went up on average 14%.

In order to provide historical context for the Bulletin 75 rainfall depths, an historical hourly rainfall record was evaluated for each depth and duration used in the study (Table 3.1). The final column of the precipitation summary table identifies the number of times the design storm depth was exceeded during 20 years of recorded rainfall at O'Hare Airport.

Table 3.1. Summary of Design Storms

Return Period	Duration (hours)	Depth (inches)	Number of times exceeded at O'Hare gauge in last 20 years
2-year	2	1.94	9
5-year	2	2.49	2
10-year	2	2.99	1
50-year	2	4.35	1
100-year	2	4.97	1
10-year	12	4.48	3
100-year	12	7.46	0

3.2.3.4. Future Rainfall Projections

The Bulletin 75 Precipitation Frequency Study for Illinois was published in 2020. This document provided updated design storm guidance that was adopted in May 2020 by the MWRD for use in Cook County. Bulletin 75 rainfall depths increased by 8% to 17% with an average increase of 14%. When applied in a hydrology and hydraulics study of an urban drainage system, a 14% increase in rainfall can generate a 20% increase in runoff. When the total precipitation in larger rainfall events increases, the incremental precipitation is almost all converted to runoff. This explains why the increase in runoff is higher than the increase in precipitation for those events.

As shown in Figure 3.1, the predicted frequency of Bulletin 70 rainfall depths has approximately doubled under Bulletin 75. For example, the Bulletin 70 100-year, 24-hour rainfall depth now corresponds to the Bulletin 75 50-year, 24-hour rainfall depth.

The Bulletin 75 rainfall values represent the best available information to determine flood risk as of today. When looking at the frequency of actual rainfall over the last 20 years in Table 3.1, they appear quite close to what might be expected. Many agencies expect heavy rainfall depths and frequencies to continue increasing in the Midwest.

The Intergovernmental Panel on Climate Change (IPCC) 2013 Summary for Policymakers reports that "The frequency or intensity of heavy precipitation events has likely increased in North America and Europe," and predicts that "Extreme precipitation events over most of the mid-latitude land masses and over wet tropical regions will very likely become more intense and more frequent by the end of this century, as global mean surface temperature increases." The IPCC report forecasts that "Based on a range of emissions scenarios, a 1-in-20-year annual maximum daily precipitation amount is likely to become a 1-in-5 to 1-in-15-year event by the end of the 21st century in many regions, and in most regions the higher emissions scenarios lead to a stronger projected decrease in return period."

The primary results of this study have been prepared using a range of return periods and rainfall depths as provided by Bulletin 75. As stated above, the frequency of large rainfall events may nearly double by the end of the 21st century. A future scenario 5-year event may be closer to the current 10-year event. If this approach is applied to the Bulletin 75 rainfall depths, rainfall depths do in fact increase about 15% to 20% for each doubling of the event frequency. As study results are evaluated, future scenarios representing the end of the 21st century can be estimated by considering the full range of results.

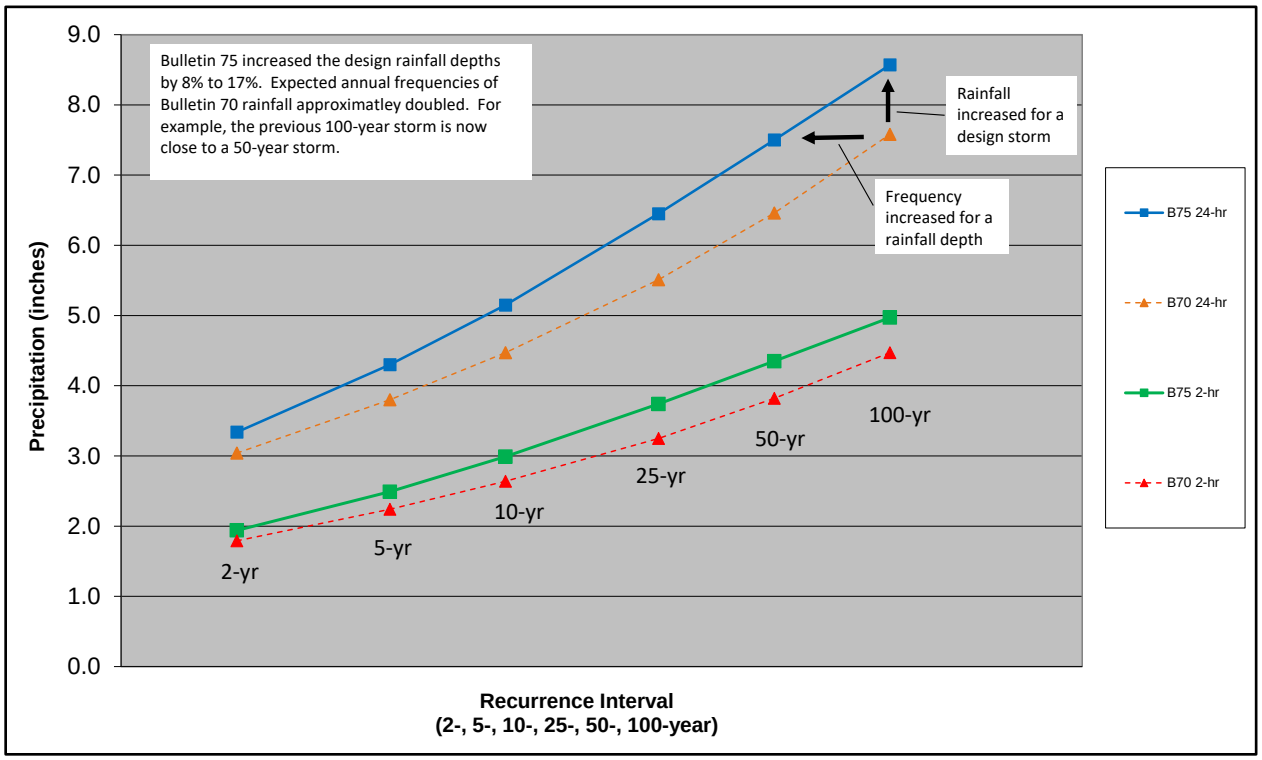


Figure 3.1. Bulletin 70 and Bulletin 75 Design Rainfall Depths.

3.3. Hydraulics

The XP-SWMM model is both a hydrologic and hydraulic modeling tool. Therefore, the hydraulic representation of the City's sewer system is also covered by the three modeling areas Northwest, Southwest, and Main, as shown in Exhibits 3.2.

3.3.1. 1D/2D Model Build

Due to the high degree of interaction between the surface flow and the underground sewer system, the modeling software for this project needed both 1D (pipe network) and 2D (surface terrain) hydraulic analysis capabilities. The 1D component of the model explicitly includes all pipes in the Evanston GIS database that are categorized as main line pipes (approximately 7,000 pipe segments). This information was imported to the XPSWWM model from Evanston's GIS data. After the information was imported, the model was reviewed and missing data was filled in either using appropriate assumptions or through obtaining additional data (field data, as-built plans, etc.). The connecting pipes (referred to as outfall pipes in the Evanston GIS database) are the generally short segments of smaller diameter pipe that connect the inlets and catch basins to the main line sewer. All connecting pipes are represented in the model, but not as individual pipes. Instead, connecting pipes located in close proximity to each other were grouped together and represented as a single, composited conduit. The process for grouping the inlets and connecting pipes is described in further detail in the Representation of Inlets section below.

The 2D component of the model includes surface elevation data for the City of Evanston. The datasets necessary to execute the 2D portion of the XPSWMM model were prepared from Evanston's existing GIS

data. The source of the elevation data for the 2D grid was the 2017 Cook County LIDAR. The surface elevation data was converted to the City of Evanston Datum (ECD). The at-grade land cover data in the Evanston GIS database was used to assign the Manning's Roughness coefficient for the overland surface flow.

3.3.2. Data Collection

The primary data source for the model hydraulics was the Evanston GIS database. This dataset was supplemented with additional sources, such as the Evanston as-builts and MWRD plans, when the values in GIS were missing or seemed unreasonable. The Village of Wilmette and Northwestern University also provided GIS databases that were used as a source of data for the hydraulic model inputs.

3.3.2.1. Evanston As-builts

Evanston as-built plans were an additional source of information that was used to supplement the Evanston GIS database. As-built plans were primarily reviewed for the long-range sewer projects previously implemented to construct Evanston's relief sewer system. Additional plans included smaller sewer projects that have been completed by the City (Figure 3.2).

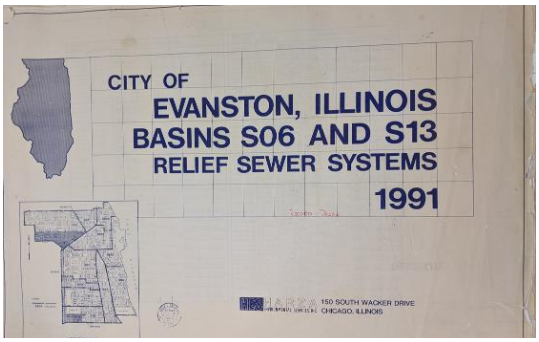


Figure 3-2. Typical as-built plan for relief sewer system.

3.3.2.2. MWRD

The Metropolitan Water Reclamation District of Greater Chicago was contacted to obtain plans and information for MWRD sewers and facilities in Evanston. Plans for TARP, MWRD interceptor sewers, the North Shore Channel, and the Evanston Pumping Station were received from MWRD. For select larger development sites, MWRD was also able to provide the permit submittal and approved development plans. In some cases, these archived permits provided key information such as the location and type of connections to the sewer system and detention facilities.

The MWRD plans were particularly valuable for representing the more complicated special structures that connect to TARP and the MWRD interceptors. Exhibit 3.3 shows the location of MWRD interceptor sewers and TARP in Evanston.

3.3.2.3. Field Data

While the existing city GIS system contained extensive information on the existing sewer, it was known that this information was incomplete. The study approach included a planned field investigation effort to collect information at key locations. During the initial review of the GIS data, key locations in the system with missing data were identified for the field investigation. Field data was collected at these locations including measure-downs, pipe sizes, and pipe materials.



Figure 3.3. Typical manhole field inspection location.

3.3.2.4 Detention Storage and Private Development As-builts

As the modeling phase of the project progressed, it became clear that it would be important to obtain more information about the larger detention facilities and the drainage design for private developments. Evanston provided a list of sites that included the address, site area, and detention volume for developments where detention had been required. A limited number of private development as-built plans were obtained for larger or complex sites from both the City and the MWRD.

3.3.3. Representation of Inlets

Inlets and catch basins in close proximity, such as across the street from each other, or clustered around an intersection, were grouped together as one "inlet group." This group was then represented in the model as a single node and link. Inlets were grouped to decrease the total number of nodes in the model as a way of improving the computation time while still maintaining a high level of detail. Spreadsheet documentation on how the inlets were grouped is available. This backup will allow inlet groups to be easily separated in future studies if explicit structure representation is needed for a detailed area of interest.

The connecting pipes (referred to as outfall pipes in the Evanston GIS database) are the generally short segments of smaller diameter pipe that connect the inlets and catch basins to the main line sewer. The connecting pipes are all represented in the model, but not explicitly represented as individual pipes.

The node that represents each inlet group was selected by identifying the inlet that had the lowest rim elevation in the group. The inlet with the lowest rim was chosen so that water could move between the 2D surface and the 1D pipe network at the appropriate minimum elevation. The inlet capacity for the node was determined based on the number of restricted structures that were in the inlet group. The 2D inflow capture coefficient was updated based on the number of structures in the inlet group.

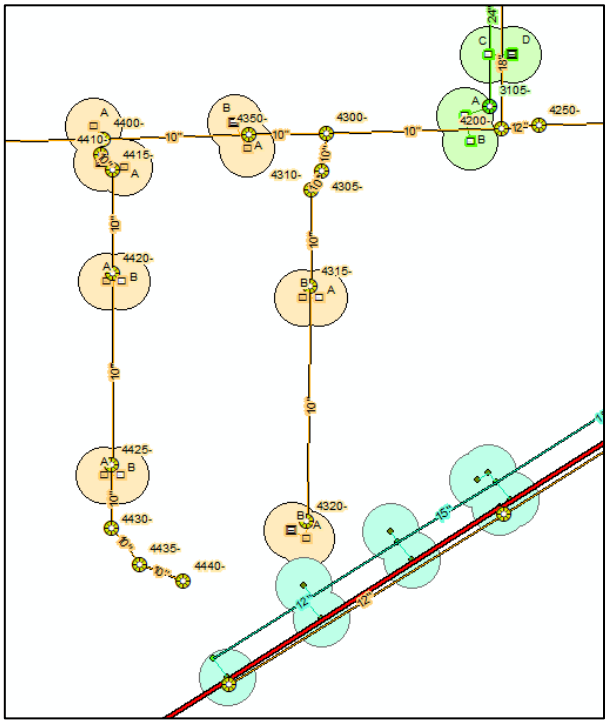


Figure 3.4. Representative Inlet groupings.

Each inlet group link was sized based on the combined conveyance capability of the inlets in the group. The two most common configurations of the inlets were a "z" shape (a pipe connects from one inlet to an inlet on the other side of the street which then connects to the main line) or a "v" shape that also has one inlet on each side of the street but both inlets connect directly to the main line. The "z" shape inlet group was represented with a link that was the equivalent of the pipe that connects directly to the main line. The "v" shape inlet group was represented with a link that had the equivalent diameter of the two pipes that both connected directly to the main line. A similar theory was applied to the other inlet group configurations to calculate the correct link inputs to represent the connection between the set of inlets in the group and the main line.

3.3.4. Boundary Conditions

For the XPSWMM 2D model, two types of boundary conditions were needed – one for the 1D component and another for the 2D component. For the 1D component of the model, an appropriate outfall condition was required for the most downstream nodes in the model. For the 2D component, at locations where overland flow reaches the edge of the 2D active area grid, a head/flow boundary condition was established.

Two different boundary condition scenarios were analyzed. The first condition assumed that elevations in the North Shore Channel and MWRD interceptors and TARP were low and those systems could receive free flow from Evanston. This condition was appropriate for smaller intensity events and events with short duration that stress the local sewer system before the larger diameter receiving sewers and channel reach capacity. The second condition assumed that the elevations in the North Shore Channel were high and that the interceptors and TARP were full. This condition was used to evaluate how the local sewer system is impacted by high tailwater conditions.

3.3.4.1. 1D Boundary Conditions

The Evanston sewer systems discharge either to the Lake, an MWRD interceptor, TARP, or the North Shore Channel. There are a small number of locations where a storm sewer discharges to the Lake. At these locations, the outfall condition is set on the last segment of pipe or open channel (the Lake is not represented in the model). The MWRD interceptors, TARP, and the North Shore Channel were all represented in the 1D part of the model and were cut off just south of Evanston's southern border. Tailwater conditions were set for each of the three links in the model that represented the MWRD interceptor, TARP, and the North Shore Channel, respectively. The North Shore Channel was modeled as a trapezoidal conduit in the 1D model, and excluded from the 2D model surface. A 1D/2D interface was created along the top of the channel bank to connect the 2D grid to the 1D channel element.

The outfalls for the Northwest model included the MWRD interceptor, TARP, or the North Shore Channel. The Southwest and Main models had those three types of outfalls, but also had special boundary conditions along Lee St. and Main St. where the two models shared a border. An overlap area was included in each of the two models. The pipe outfall conditions were specified at the locations where there was a connection between the Southwest and Main models. There is one location that has significant flow from the Southwest Model into the Main model, located at the intersection of Cleveland Street and Dewey Avenue (see Exhibit 3.2). At this location, outflow from the node in the Southwest model is used as inflow to the node in the Main model.

In the scenario where the North Shore Channel and MWRD interceptors and TARP have available capacity, the following tailwater assumptions were made:

- Sluice gates to MWRD drop shafts are fully open and free flowing
- Unrestricted drop shafts to MWRD TARP are free flowing
- North Shore Channel elevation is at normal water level, approximately City of Evanston Datum elevation -1

In the scenario where the North Shore Channel and MWRD interceptors and TARP have limited capacity to receive water, the following tailwater assumptions were made:

- Sluice gates to MWRD are closed
- Unrestricted drop shafts to MWRD TARP are unable to receive discharge due to high tailwater
- North Shore Channel elevation is at peak elevation, which ranges from City of Evanston Datum 9.4 at Howard to City of Evanston Datum 7.6 at Green Bay Road for the 100-year storm event

3.3.4.2 2D Boundary Conditions

For the 2D component, at locations where there is overland flow that reaches the edge of the 2D active area grid, a head/flow boundary condition was established. The head-flow boundary conditions were set with a slope representative of downstream conditions and extended the minimum distance beyond the community boundary. The limits of the 2D active grid area were set to ensure that the grid extended far enough so that it did not have a large impact on the inundation results within the study area. The North Shore Channel was excluded from the 2D model. A 1D/2D interface boundary was provided for the excluded area to provide a connection between the North Shore Channel and the 2D grid.

3.3.5. Detention Facilities

Significant detention facilities were incorporated into the model. The locations of the storage were based on data received from MWRD and the City. Where the detention was above ground, the topography was used to represent the provided detention volume. For each detention basin that was added to the model, manual adjustments were made to one or more delineated catchments to create a new catchment for the permitted development. Forty-two detention facilities were included in the model, which represented over 80% of the detention storage that has been constructed in the city. There are approximately 85 additional smaller detention basins with an average storage volume of 0.15 acre-feet (49,000 gallons) that were not included in the model because they would individually be less significant for the overall model representation of the system. Table 3.2 summarizes the number detention facilities included in each model.

Table 3.2. Summary of modeled detention facilities.

Model	# Detention Facilities
Main	28
SW	7
NW	7

4. System Evaluation

4.1. System Monitoring, Model Calibration and Verification

4.1.1. System Monitoring

Monitoring was performed by ADS Environmental Services to collect data to calibrate the sewer system models developed for the Evanston Stormwater Master Plan. Three types of devices were installed: rain gauges, flow monitors, and level meters.

For the flow monitors, it was necessary to strike a balance between the duration that the flow monitors were installed (to increase the chance that a significant storm event would be captured) and the number of locations that could be monitored. When selecting the locations for the flow monitors, there were a number of factors considered, including drainage area, the size of the pipe, and the interaction/overlap between the combined, relief and storm sewer systems. Increasing the duration of the monitoring period was prioritized. However, the selected locations (generally near the downstream discharge point for a sewer basin area) still covered a high percentage of the total area of the City.

Twenty-three flow monitors were installed. With 23 monitoring locations, nearly all basin discharge locations with a drainage of area of 60 acres or more were monitored. One flow monitor was placed in a small drainage area (approximately 10 acres) to allow for analysis of hydrologic parameters at a smaller scale. The small drainage area was selected to represent the largest area possible that is drained by a single sewer type (combined) to a single monitoring location while also having a fairly typical residential land use.

The overflow pipes and summit manholes were not good candidates for locations for the flow monitoring devices. However, in order better understand how these locations perform, two structures upstream of overflow pipes and two summit manholes were selected to have level monitors installed during the monitoring time period.

Exhibit 4.1 shows the locations of the monitoring equipment.

4.1.1.1 Monitoring Locations

4.1.1.1.1 Rain Gauges

Two rain gauges were installed during the monitoring period. One rain gauge was in northwest Evanston at 2700 Hurd Avenue. The other rain gauge was in southeast Evanston at 910 Forest Avenue. These rain gauges were used to augment data from the rain gauge at the Evanston water plant (located in northeast Evanston at 555 Lincoln St) as well as the Oakton College gauge in Skokie (to the southwest). Two MWRD-operated gauges at the O'Brien Plant and the Wilmette Pumping Station were referred to for additional insights into rainfall patterns during the monitoring period.

Exhibit 4.2 shows the location of all six rain gauges that were available for use in the study.

4.1.1.1.2 Flow Monitors

There were 23 locations selected for flow monitoring. These locations were selected so that monitors would be deployed at basin discharge locations that have a large area of drainage (60 acres or more). The 23 flow monitoring locations provide coverage for 86% of the combined sewer basins and 93% of the storm and relief sewer basins. In general, outfalls serving small areas were not monitored because of the favorable coverage achieved by the larger basins. However, one flow monitor was placed in a small

drainage area (B13130000, approximately 10 acres) to allow for analysis of hydrologic parameters at a smaller scale. The small drainage area was selected to represent the largest area possible that is drained by a single sewer type (combined sewer) to a single monitoring location while also having a typical residential land use. The flow monitoring locations are shown on Exhibit 4.1.

During installation, a number of slight adjustments to the location of the flow monitors were made in the field. This step is regarded as a flow monitoring best practice and occurs after field personnel assess the field conditions of the selected locations. In some cases, the flow monitor was installed upstream or downstream of the originally selected location due to issues with accessing the structure or because of potential interference that could be caused by nearby hydraulic structures (a weir is one example). These adjustments were made with care to ensure that the flow monitor would still capture the flow from as much of the original drainage area as possible. There was one location (ADS gauge Evanston_S0901000) where the flow monitor could not be installed on the pipe that was originally selected because the pipe had conditions that would affect the accuracy of the readings - the downstream end transitioned from concrete pipe to corrugated metal and at the upstream end there was a weir. Upstream of the pipe that had been selected, the flow came into the structure from two pipes. In order to capture the entire flow at that location, there was one monitor installed in each of the two incoming pipes. This made it so that there were 24 pipe segments being monitored, representing 23 flow monitoring locations.

4.1.1.1.3 Level Monitors

Four level meters were installed in the B06 combined sewer drainage basin, which is overlapped by the S06 relief sewer drainage basin. Two of the level meters (Level 03 and Level 05) were installed at manholes where there was an overflow pipe that connects a combined sewer drainage basin to a relief sewer drainage basin. The water level at these locations determines when it is possible for there to be overflow from the combined to the relief system. Two of the level meters (Level 06 and Level 09) were installed in summit manholes (a manhole that is on the border between two sewer drainage basins – Level 06 was on the border of B06 and B04 and Level 09 was on the border of B06 and B05) to determine when the water level is high enough that it would be possible for water to be exchanged between the two drainage basins.

4.1.1.1.4 Demonstration Level Monitor

A demonstration level meter was installed to monitor possible surface flooding in the parking lot behind the businesses at 710 Main Street. It should be noted that this was an experimental installation that was included pro bono by ADS. This type of level meter is not intended to be installed in an exposed location where the temperature fluctuates due to the heat of the sun during the day and the cooler temperatures at night. The results show a few measured responses during rain events, but the dry weather data could be suspect due to the environmental conditions where the meter was installed.

4.1.1.2 Monitoring Period Duration

The monitoring duration was from May 15, 2021 – August 18, 2021. For the first part of the monitoring duration, the 5 monitors with locations in Metropolitan Water Reclamation District (MWRD) pipes were not yet installed. All of the monitors were installed during the time period from July 8, 2021 through August 18, 2021.

An overview of the data that was collected and an exhibit that shows the locations of the monitoring devices and the combined, relief, and storm basins that were monitored can be found in the ADS report that is included as Appendix 1. The report provides additional details and information about the

monitors including the equipment, methodology, installation, and quality assurance. The ADS report includes graphs of the data collected at each location during the monitoring period.

4.1.1.3 Significant Rainfall Events

The two most significant rainfall events during the monitoring period occurred on June 20, 2021 and August 10, 2021.

June 20, 2021 – The rain started at 10:40pm on June 20, 2021 and continued until 12:35am on June 21, 2021. The rainfall totals from the different gauges employed at the time ranged from 1.45" to 2.05" over approximately two hours. The rainfall frequency for this event was a 1-year to 2-year storm. This was the largest rainfall event captured during the entire monitoring period. However, there were five flow monitors that were not yet installed when this event occurred.

August 10, 2021 – Rainfall started at 7:05pm and continued until 9:45pm on August 10, 2021. The rainfall totals from the different gauges employed at the time ranged from 0.91" to 1.14" over approximately three hours. The rainfall frequency for this event was a 3-month to 4-month storm. This was the largest rainfall that occurred with flow monitors installed at all 23 locations.

Data from these two events was used to calibrate the XPSWMM model developed for the study. The calibration is limited to the storm events measured. Since these storms are relatively small when compared to the larger design storms, the calibrated model may not be as accurate when extrapolated to the larger design storms.

Figure 4.1 shows the storm events as they fall within Bulletin 75.

	Precipitation (inches)												
Duration	2-Month	3-Month	4-Month	6-Month	9-Month	1-Year	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year	500-Year
5 min	0.19	0.22	0.24	0.27	0.31	0.33	0.40	0.52	0.62	0.77	0.90	1.03	1.35
10 min	0.33	0.38	0.41	0.47	0.53	0.58	0.70	0.90	1.08	1.35	1.58	1.80	2.36
15 min	0.42	0.49	0.53	0.61	0.69	0.75	0.90	1.16	1.39	1.74	2.03	2.32	3.04
30 min	0.58	0.66	0.73	0.83	0.94	1.03	1.24	1.59	1.91	2.39	2.78	3.17	4.16
1 hour	0.74	0.84	0.93	1.05	1.20	1.30	1.57	2.02	2.42	3.03	3.53	4.03	5.28
2 hour	0.91	1.04	1.14	1.30	1.48	1.61	1.94	2.49	2.99	3.74	4.35	4.97	6.52
3 hour	1.00	1.15	1.26	1.44	1.63	1.77	2.14	2.75	3.30	4.13	4.80	5.49	7.20
6 hour	1.18	1.35	1.48	1.68	1.91	2.08	2.51	3.23	3.86	4.84	5.63	6.43	8.43
12 hour	1.37	1.56	1.71	1.95	2.21	2.41	2.91	3.74	4.48	5.61	6.53	7.46	9.78
18 hour	1.48	1.69	1.85	2.11	2.39	2.61	3.14	4.04	4.84	6.06	7.05	8.06	10.57
24 hour	1.57	1.80	1.97	2.24	2.55	2.77	3.34	4.30	5.15	6.45	7.50	8.57	11.24
48 hour	1.72	1.97	2.16	2.46	2.79	3.04	3.66	4.71	5.62	6.99	8.13	9.28	12.10
72 hour	1.87	2.14	2.34	2.67	3.03	3.30	3.97	5.08	6.05	7.49	8.64	9.85	12.81
120 hour	2.08	2.38	2.61	2.97	3.37	3.67	4.42	5.63	6.68	8.16	9.39	10.66	13.81
240 hour	2.63	3.01	3.30	3.76	4.27	4.65	5.60	7.09	8.25	9.90	11.26	12.65	16.00

Figure 4.1. Significant Rainfall Events shown in Bulletin 75.

4.1.2. Model Calibration

The purpose of preparing the XPSWMM model for the City was to develop a tool that can be used for planning purposes, system evaluation and problem investigation. With such a complex stormwater management system, there is a range of uncertainty relative to various aspects of the modeling. Flow monitoring allows for the evaluation of this uncertainty. However, it does not always reveal exactly where the causes of the uncertainty lie. There are many thousands of data inputs and complex calculations required to represent physical processes as a numerical model. Several decades of modeling experience have led practitioners to develop standardized approaches for preparing the data sets used to construct a complex stormwater management model. Collecting monitoring data to

calibrate the model is a key step in order to understand the model's performance and ability to accurately simulate the drainage system.

In many stormwater studies, calibration may be performed at one or more locations that are primarily independent of one another. For this study, the monitoring location results are affected by both hydrologic and hydraulic model parameters, which can affect the routing of runoff over the surface and which sewer system ultimately collects or receives the stormwater runoff. Not only do the 23 flow monitoring locations cover many different outfalls in the city, the drainage systems leading to these outfalls are also interconnected in multiple ways.

In order to visualize the approach used to calibrate the models, a calibration flow chart was prepared as shown in Figure 4.2. Calibration data and calibration measures shown in Figure 4.2 were evaluated, tested and utilized from top to bottom, following the path of runoff. The goal of the calibration effort was to make adjustments to the model parameters to generate the best possible results to match the flow monitoring data. There is no universal standard for this type of model calibration. Frequently used targets range from +/- 10% to + /-25% and are highly specific to the model and modeling purpose. In order to evaluate performance for the Evanston models, target ranges of +/-20% for peak flow rate and runoff volume were selected. Calibrating an urban stormwater model with interconnected systems to multiple outfalls is much more complex than calibrating a watershed to a single gauge. With 23 locations and two storm events, it was almost a certainty that the best possible outcome with this level of modeling detail and effort would involve some locations falling outside the target range. Further changes that would be applied to the models on a uniform basis would push one location or another into or out of the target range. Specific outfalls that didn't meet the target represent locations where there is higher uncertainty in the model. Discussion of the calibration and implications for the use of the model to evaluate the system are included below.

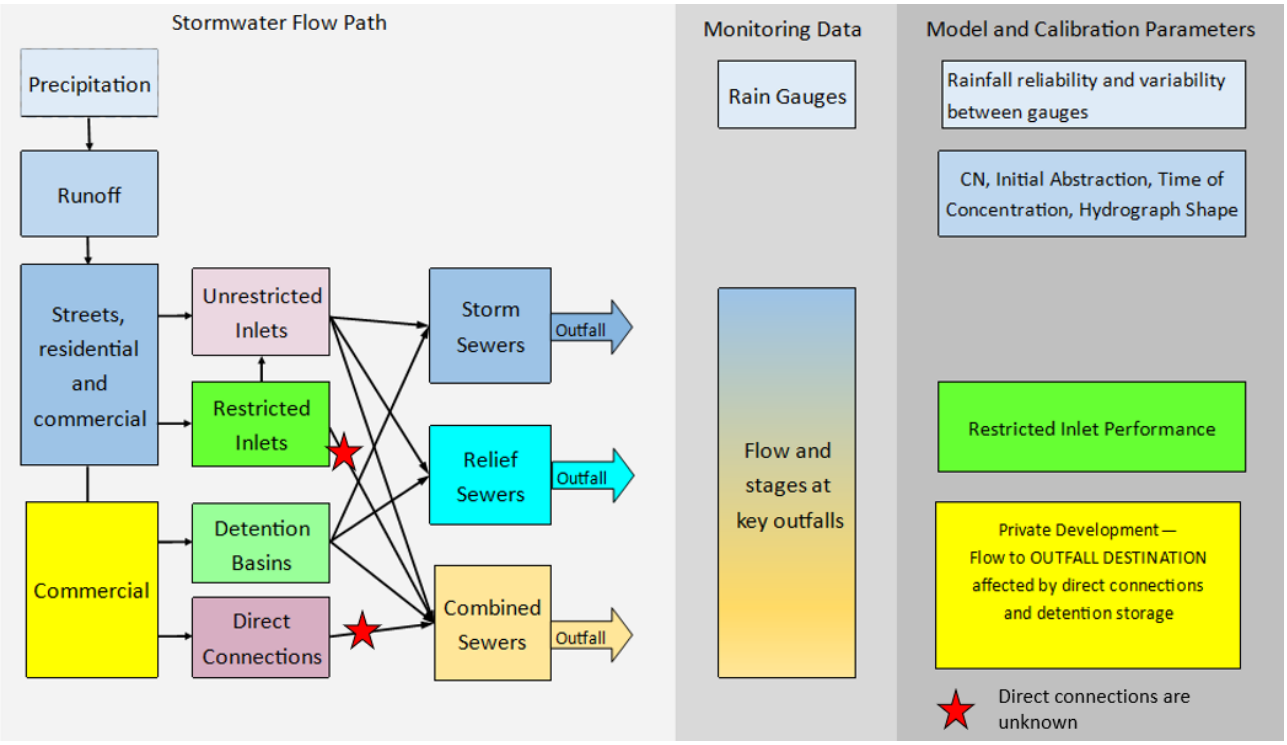


Figure 4.2. Calibration Flowchart

Prior to model calibration, the flow monitoring data was reviewed and processed. Peak flows and levels were processed in a spreadsheet so the flow hydrograph, stage hydrograph and volume of runoff from each monitoring location could be plotted and tabulated.

Following Figure 4.2, the first calibration step was to evaluate data from the three Evanston rain gauges and compare it to results from nearby gauges for consistency. Data from the two most significant events that occurred during the monitoring period was used to calibrate the three models (northwest, main and southwest). Rainfall data was prepared from the rain gauges and Thiessen polygons were drawn and used to assign rainfall from the gauges to the model catchment areas.

The models were run for each storm event and output hydrographs were loaded into the spreadsheet to compare the results. The results of the level meters were also evaluated. Model results from the initial calibration runs were generally low on flows rates and volumes from the combined sewer basins and high for the relief and storm sewer basins.

The time to peak in the initial model runs was generally slow compared to the monitoring data. The initial abstraction parameter (Ia) was reduced from 0.2 to 0.05 to increase the initial responsiveness of the model. Time of concentration and hydrograph shape were also tested for their sensitivity, but these factors were found to be less important for the time to peak. These parameters were not changed from their initial computed values. Finally, partially due to increases from the lowered initial abstraction parameter, the Curve Number was reduced to better match the measured runoff volumes. The curve number was reduced to 94.6% of the original in the Main and Southwest models, and reduced to 92.4% of the original in the Northwest Model.

After completing the calibration step of adjusting hydrologic parameters, total runoff volume (combined outfalls) for each of the three models and two different events was +/-15% (six different results). However, when the results were averaged for each model setup across both events, the difference was only +/- 7%. At this point, the total runoff volumes being produced by the models was considered very good and the attention shifted to evaluating individual basin outputs.

Model results for individual basins, particularly the combined sewer basins, were still low compared to the monitoring data. It was assumed that the differences were most likely coming from unknown or unquantified hydraulic connections in the drainage system, primarily on private properties. Potential additional model adjustments were identified and investigated. A number of large private developments were identified that were represented in the models with limited detail. In order to increase the detail and confirm drainage connections, historical plans were recovered from Evanston and the MWRD for these developments. In some cases, the private sewer outfalls were found to be connected to the wrong sewer system in the model, which was then corrected. In other cases, additional detail on detention and surface drainage was added based on information in the plans. These changes were incrementally helpful, but low peak flows and volumes predicted for many combined sewer basins persisted.

It was suspected that there were still potential avenues for flow to reach the combined sewer system that were unknown and not represented in the model. The initial model setup had created a combined sewer system that was almost fully protected (as documented in the city's GIS system) by the flow restrictors in the system. Flow restrictors have been installed in the vast majority of catchbasins connected to the combined sewer system. Although the delineation of catchments to nearly every publicly owned inlet was incredibly detailed, it did not account for additional loading points that may exist on private properties. On residential properties, flow could enter the system through foundation drains, leaking private laterals, and/or illegally connected sump pumps or downspouts. On older

commercial properties, many direct and unrestricted connections to the sewer system still exist from downspouts and loading docks. In order to represent the combined effect of these potential inflow points, the maximum restrictor capacity at inlets was increased to allow a higher rate of flow into the combined sewer system. Adjustments were made to the maximum flow rate allowed at the restricted inlets. This adjustment was effective in increasing the flow at the combined sewer outfalls to better match the calibration targets. The final calibration results are shown in Table 4.1.

This calibration effort involved dozens of locations and multiple storms. Such an endeavor was bound to have a range of results at individual locations, with some areas not meeting the established calibration targets. Between the two storms, the June 21st storm is considered more important because it produced approximately twice as much rain as the August 10 storm. Unfortunately, not all of the gauges were operational for that storm. When looking at the results for each basin, the performance under both storms should be taken into account. When a basin shows conflicting results in the two storms (above target for one storm and below target in the other), these results are most likely due to environmental variability in the actual versus measured rainfall or other system complexities that are not yet understood. When a basin underperformed in the same way for both events (under or over targets), there are likely hydraulic connections or other physical system complexities (likely on private properties) that are not fully represented in the model. As the model is used to conduct more detailed studies and evaluate designs for specific areas in the city, the calibration results should be closely reviewed. When conducting future work, the modeler should be aware of and looking for potential unknowns and uncertainties that could improve model performance in those areas.

Table 4.1. Calibration Results Summary Table

			June 20, 2021 Storm							August 10, 2021 Storm						
			Monitored		Modeled		% change		Total	Monitored		Modeled		% change		Total
Model	Type	Location	Peak	Vol	Peak	Vol	Peak	Vol	Volume	Peak	Vol	Peak	Vol	Peak	Vol	Volume
	Comb	C_B05_02000-.1	10.4	1.8	9.3	1.3	-10%	-23%		7.2	0.7	8.2	0.7	14%	4%	
	Comb	C_B06_03570-.1	83.5	7.7	93.3	9.0	12%	18%		60.1	5.0	67.9	4.8	13%	-5%	
	Comb	C_B04_03000-.1	40.0	5.2	31.9	3.8	-20%	-28%		32.3	3.0	25.5	2.2	-21%	-26%	
	Comb	C_B04_02025-.1	8.7	1.4	8.0	1.3	-8%	-5%	2%	6.4	0.6	7.0	0.7	10%	10%	13%
	Storm	C_S06_00115-.1	40.4	2.3	39.9	2.1	-1%	-10%		12.8	0.7	21.6	1.1	69%	44%	
Northwest	Relief	C_S06_02500-.1	270.2	15.7	291.8	17.1	8%	9%		98.5	5.7	155.9	8.4	58%	47%	
	Comb	C_B13_02500-.1	53.8	5.7	52.2	4.8	-3%	-17%		28.4	2.2	34.3	2.3	21%	5%	
	Relief	C_S13_00210-.1	132.3	6.6	129.1	7.2	-2%	9%	-14%	29.7	1.7	45.8	2.3	54%	34%	1%
	Storm	C_S11_00130-.1	107.6	7.5	101.8	6.7	-5%	-11%		35.9	2.4	38.0	2.4	6%	-2%	
Southwest	Comb	C_B11_01500-.1	74.5	8.3	50.1	5.4	-33%	-35%		31.0	3.3	32.6	2.7	5%	-17%	
	Relief	C_S10_00900-.1	341.0	22.6	443.6	28.7	30%	27%		154.6	9.6	135.3	10.0	-13%	4%	
	Comb	C_B81_05000-.1								76.1	6.6	62.8	5.9	-18%	-10%	
	Comb	C_B07_03000-.1								47.0	5.0	32.1	3.8	-32%	-22%	
	Comb	C_B82_01500-.1								103.6	9.6	72.1	9.8	-30%	2%	
	Comb	C_B09_03000-.1	78.6	8.7	64.0	5.8	-19%	-33%		45.0	3.5	33.7	2.9	-25%	-18%	
	Comb	C_B84_05100-.1								53.9	4.0	28.8	2.8	-47%	-30%	
	Relief	C_S82_07000-.1	363.8	13.5	236.9	13.5	-35%	0%	11%	96.5	4.1	106.8	5.7	11%	38%	-1%
	Relief	C_S07_02000-.1	191.1	11.2	260.0	14.9	36%	33%		85.3	4.6	88.1	5.6	3%	20%	
	Storm	C_S82_01015-.1	32.4	1.3	25.1	1.1	-23%	-13%		14.0	0.5	13.0	0.6	-7%	25%	
	Storm	C_S81_00175-.1	85.5	3.4	92.9	4.1	9%	21%		28.5	1.1	34.4	1.6	20%	45%	
	Relief	C_S09_01020-.1	11.5	1.0	6.8	0.7	-41%	-32%		6.8	0.4	5.8	0.4	-14%	-9%	
	Relief	C_S09_01080-.1	25.6	2.3	15.9	2.3	-38%	1%		18.6	0.9	16.2	1.1	-13%	25%	
Main	Comb	C_B83_05575-.1								57.4	5.5	41.1	4.9	-28%	-12%	

The calibration process revealed that there are significant discharges to the existing sewer system that are not limited by the inlet restrictors. This unexpected flow could be the result of localized point discharges from pre-ordinance commercial facilities that have direct connections to the sewer system, or from more universal issues such as inflow and infiltration from cracked pipes, private sewer laterals and/or foundation drains. Without detailed monitoring throughout the interior of the drainage system (not just the outfalls), there is no way to know at this time if the additional flow into the combined sewer system occurs from widespread inflow and infiltration, or from a number of historical developments that discharge unrestricted into the system. While the calibrated model was used to match peak flows and volumes at the basin outfalls, using this model setup to evaluate the design storm

events could result in overestimating stages and flows in neighborhoods that are well protected by inlet restrictors. Because the source of the additional flow is currently unknown, the inlet capacities were restored to their designed maximum flow rates when evaluating the system to determine system performance under design storms.

4.1.3. Historical Storm Verification

The XPSWMM models were used to analyze two historically significant storms. These events include the September 13, 2008 storm and the April 17, 2013 storm.

Exhibit 4.3 shows the sewer surcharging risk and surface inundation areas for the September 13, 2008 storm. The September 2008 storm event was a heavy rainfall event from the remnants of Hurricane Ike. The storm event lasted over 3 days with a total rainfall of over seven inches. Water surface elevations in TARP in Evanston were not available for this storm event, however, it was assumed that the MWRD relief systems were at capacity. Therefore, this storm event was modeled with a high tailwater at elevation 5, based on a drop shaft water surface elevation at Howard Street from the April 17, 2013 storm event.

Exhibit 4.4 shows the sewer surcharging risk and surface inundation areas for April 17, 2013 storm. The April 2013 storm event was a heavy rainfall event. The storm event lasted approximately 2 days with a total rainfall of 4.75 inches. It was assumed that the MWRD relief systems were at capacity and this storm event was modeled with a high tailwater at City of Evanston Datum elevation 5, based on a drop shaft water surface elevation at Howard Street provided by MWRD.

The flooding risk shown in the model for these two rainfall events does not directly correlate to reported flooding for these events. This could be contributed to a number of factors such as problems with a lateral service line or other flooding source causing backups in areas shown to have low risk in the model. It is also highly likely that a number of structures shown at risk have installed overhead sewers or backflow prevention systems and decreased the actual backup risk to structures in these areas.

4.2. Critical and Long Duration Analysis

The three models for the City of Evanston were used to evaluate the system response to a variety of rainfall depths and durations. The design storms were based on Bulletin 75 and were evaluated using the 2-, 5-, 10-, 50- and 100-year storm events. The 1-hour through 24-hour storm durations were used to determine the critical duration of the system. In general, the drainage system is critical for the 2-hour duration. The 2-hour storm was used to evaluate flooding that results from the portion of the system owned and controlled by Evanston, as these facilities will be overwhelmed by a shorter duration event.

The 12-hour storm was used to evaluate longer duration storm events. It was evaluated in conjunction with a high tailwater condition in the MWRD interceptors, MWRD TARP, and the North Shore Channel to represent a longer, more regional storm event where the capacity of those outfalls to receive discharge from Evanston is very limited.

4.3. Existing System Performance

The City of Evanston has a system that is composed of combined sewers, relief sewers, and storm sewers. Large storm events can lead to sewer surcharging and surface flooding. Sewer surcharging can lead to basement backups for structures that are not protected by overhead sewers or a flood control system. The sewer level of service provided by the sewer system was determined by evaluating

hydraulic grade lines in the sewer under a range of storm events. Surface flooding can lead to flood damage at structures. Flood risk was determined by identifying the most frequent storm that exceeds a flooding criterion.

4.3.1 Critical Duration Sewer Surcharge Risk

Sewer surcharge risk was assessed using the hydraulic grade line elevation of the local sewer compared to a typical depth at which basement flooding would be expected to occur. Evanston includes a wide range of home styles and types of construction. After reviewing a number of different structure types in various neighborhoods, it was determined that potential basement flood risk could be associated with a hydraulic grade line of four feet below the rim of the sewer structures. The sewer surcharge performance criterion used was four feet below the rim of the sewer structure. Level of protection refers to the largest modeled storm where there is no sewer surcharging.

The risk of flooding for basements may vary due to site-specific factors including installation of overhead sewer/backflow preventers or damaged service laterals. Since the presence of protective plumbing or the condition of privately owned sewer laterals has not been inventoried, sewer hydraulic grade line results only provide an indication of one type of risk of basement flooding, which is associated with the public sewer system. Sewer surcharging risk was identified for the 2-, 5-, 10-, 50- and 100-year storms.

In general, the majority of Evanston that is east of the North Shore Channel is drained from east to west. For areas east of Ridge Avenue , this drainage pattern is man-made. Sewers flowing east to west must pass under the topographical ridge that is generally represented by Ridge Avenue . The ground surface for much of this area of eastern Evanston is only several feet higher than the crown of the large diameter sewers serving this area. This limited range of elevations would appear to increase the sewer surcharging in these areas. However, as the oldest areas of the City, it is highly likely that a combination of construction type and the use of overhead sewers or backflow prevention systems has decreased the actual backup risk to structures in these areas.

The level of service for sewer surcharging varies across Evanston. It is summarized in Table 4.2 and is shown on Exhibit 4.5. Only the northwest model area had no locations with sewer surcharging up to and including the 2-year event.

While the model results show a risk of sewer surcharge, that is not supported by chronic residential complaints. It is highly likely that a number of structures shown at risk have installed overhead sewers or backflow prevention systems and decreased the actual backup risk to structures in these areas.

Table 4.2. Sewer Surcharge Risk Results Summary Table

Model Area	% Nodes with Hydraulic Grade Line within 4' of Street Surface				
	2-year Storm	5-year Storm	10-year Storm	50-year Storm	100-year Storm
Main	36%	54%	66%	75%	77%
Northwest	0%	14%	21%	37%	49%
Southwest	7%	10%	11%	21%	23%
Total	23%	39%	48%	59%	63%

4.3.2 Surface Flooding Risk

Surface flooding risk is predicted when inundation for flood surface areas would threaten a structure. Surface flooding risk was assessed by intersecting the predicted flood inundation areas with the building limits. A depth of six inches or greater intersected with the limits of a building was identified as a structure with potential surface flooding risk. Building limits were identified in GIS. Surface flooding risk was evaluated for the 10-year, 2-hour storm and the 100-year, 2-hour storm.

The level of service for surface flooding varies across Evanston. It is summarized in Table 4.3 and is shown on Exhibits 4.6 and 4.7.

Table 4.3. Surface Flooding Risk Results Summary Table

Model Area	Number of Buildings with Surface Flooding Risk	
	10-year Storm	100-year Storm
Main	32	138
Northwest	3	13
Southwest	6	16
Total	41	167

4.3.3 Long Duration System Performance (High Tailwater)

The critical duration event is the 2-hour event. However, a longer duration event (12-hour) with a high tailwater was evaluated to determine the impact of that type of storm event. In the long duration scenario, TARP is full and the North Shore Channel is allowed to rise with the assumption that the gates at Wilmette are not opened to provide relief to the system. As such, the model was modified to generate a high tailwater in the MWRD TARP and interceptor systems, as well as the North Shore Channel.

The MWRD Detailed Watershed Plan (DWP) for the North Shore Channel shows the modeled channel elevation at a range of City of Evanston Datum 9.4 at Howard to City of Evanston Datum 7.6 at Green Bay Road for the 100-year storm event. The Green Bay Road tailwater was used as representative for the Northwest model, the Howard elevation was used as representative for the Southwest model, and an average of City of Evanston Datum 8.5 was used for the Main model.

Sewer surcharging risk was identified for the 100-year, 12-hour storm and is shown in Exhibit 4.8. Surface flooding risk was identified for the 100-year, 12-hour storm and shown in Exhibit 4.9.

While the model results show a risk of sewer surcharge, that is not supported by chronic residential complaints. It is highly likely that a number of structures shown at risk have installed overhead sewers or backflow prevention systems and decreased the actual backup risk to structures in these areas.

4.4. Storm Duration and System Performance Summary

There are two general conditions that can cause basement flooding in Evanston. The first is a lack of capacity in Evanston's local sewer system. This occurs during short duration, intense rainfall events that exceed the capacity of the system to convey the flows to the MWRD interceptors, TARP, and the North

Shore Channel . This condition was represented by the 2-hour duration. The results of this scenario storm are shown in Exhibits 4.5 to 4.7. As shown in Figure 4.5, there are locations in the city that were found to have less than a 2-year level of service for the sewer surcharging criterion of four feet below structure rims. As discussed above, this doesn't necessarily directly result in basement flooding, but is indicative of locations where this may be a risk. Surface flooding was assessed for both the 10-year, 2-hour storm and the 100-year, 2-hour storm. Up to 167 structures were identified as being at risk of surface flooding in the 100-year, 2-hour storm.

The second scenario is a longer, more regional storm event where the capacity of MWRD outfalls is limited and the North Shore Channel elevations are high. The results of this scenario storm are shown in Exhibits 4.8 to 4.9. While the overall system is best evaluated using the short duration storm, there are several areas of the city that experience higher sewer surcharging risk in the longer duration storm.

5. Stormwater Management Recommendations

Since the early 1990's, the City of Evanston has made a number of large investments to improve the publicly owned drainage infrastructure. These projects have resulted in a drainage system that has managed intense storm events without widespread catastrophic flood damages. Other communities in Cook County have fared significantly worse during these events. There have been very few reports of flood damages caused by surface floodwaters. Basement backups caused by sewer surcharging have been reported, but the locations have tended to vary from storm to storm.

The analysis of the existing system performance also showed that the publicly owned system is not performing quite as expected. There are significant areas, mostly east of Ridge Ave., that have been identified as subject to potential sewer surcharging at storm events well below the 100-year event. Although sewer surcharging risk was found to be higher than expected, these areas have not reported widespread damages during large storm events. A combination of factors including the typical building height and protective plumbing systems are likely responsible for the lack of widespread damages. Going forward, the stormwater model will allow for detailed analysis and evaluation of the system as drainage projects are contemplated and areas of concern are further investigated.

The City's comprehensive stormwater management program will include a range of activities and services that go beyond future capital improvement projects. Stormwater management program recommendations have been prepared in three categories: Regulatory Program, Private System, and Public System. Table 5.1 summaries the recommendations in each category.

Table 5.1. Stormwater Management Recommendations

City of Evanston Stormwater Management Program Recommendations		
Regulatory	**Private System**	**Public System**
• Detention requirements • Private property plumbing code requirements • Property Transfer Inspections	• Overhead sewers • Sanitary sewer backup prevention • Sump pumps • Lot drainage • Floodproofing	• Capital Improvements • Combined Basin 07 Sewer Improvement Concept • Southwest Surface Flooding Concept • Green Infrastructure Program • Sewer System Monitoring

5.1. Regulatory Program

Regulations are an opportunity to implement baseline standards for stormwater management based on the infrastructure and needs of the community. The MWRD Cook County Watershed Management Ordinance (WMO) regulates stormwater across the county, but communities, including Evanston, can enact additional regulations that amend or extend coverage.

The WMO includes provisions for stormwater management that include runoff control, volume control and detention storage. The MWRD enforces this ordinance and has been proactive in making updates since the WMO's initial adoption in 2013. The biggest issue with implementing the WMO in Evanston is that the minimum parcel size requirements are 0.5 acres before volume control is required and 3.0 acres before detention storage is required. Many developments in Evanston would fall below these thresholds, which is why more protective measures have been adopted.

Evanston has adopted a number of regulations that govern stormwater management and drainage in the City, including:

- Storm Water Control – City Code Title 4, Chapter 20
    - Requires detention for all new developments with exceptions for certain residential structures and paved parking lots.
- Plumbing Code
    - 4-5-3.M Subsoil Drain Pipe can discharge to storm sewer upon approval of Public Works Director, but not combined sewer.
    - 4-5-3.N Roof Drains of residential buildings can discharge directly to the storm sewer system, but not combined sewer.
- Property Maintenance Code
    - 304.7.1 Downspouts are required and shall discharge at grade. Footing drains connected to the sump pump shall discharge at grade.
- Floodplain Regulations
    - Comply with National Flood Insurance Program
- Green Building Ordinance
    - Applies to new construction and additions 10,000 sq ft or higher.
    - Applies to interior renovation 5,000 sq ft or higher.
    - Requires BMP measures based on square footage.

Updates to various regulations pertaining to stormwater can be strengthened to provide short- and long-term improvements. Additional analysis and work may be necessary in order to further consider and implement these recommendations. Below are recommended strategies to strengthen the regulatory requirements in order to improve stormwater management and performance of the drainage system in Evanston.

5.1.1 Detention Requirements

The City of Evanston currently does not require detention for buildings smaller than 5,000 square feet and a construction cost greater than of 100% of the assessed property value. The City also does not require detention for residential buildings of 1-3 structures on a combination of 1 or 2 lots less than 1 acre each. The City could consider stormwater performance criteria for single residential lots. The majority of the single family homes in Evanston have an area of less than 5,000 square feet and would not be subject to the current regulation. Detention guidelines could be developed by the City of Evanston to provide consistent calculations and methodology among the systems and provide for an easier permit review process. It is recommended that the permit calculations be performed by a licensed engineer / architect. The City should review several different types of residential lots throughout the City to investigate what could be an adequate detention volume and footprint while allowing for some type of connection to the municipal sewer system. Review of some typical lots will help provide a possible range of detention volume that could be required and would lead to the development of permit guidelines for residential lot detention.

There is currently a fee-in-lieu program for stormwater control. This could be modified specifically for residential lots where site constraints may not allow for installation of detention systems.

The City has currently exempted the resurfacing of parking lots from stormwater control requirements. This exemption could be reconsidered, particularly for sites with no stormwater control or that exceed a certain size threshold.

The Stormwater control fact sheet, which is used by developers to determine the required detention on their site, should be clarified and updated. All stormwater ordinances should be updated to change references from Bulletin 70 to Bulletin 75. Bulletin 75 is the most up-to-date design storm guidance and is the standard used in the WMO.

5.1.2 Private Property Plumbing Code

The challenge for implementing improvements to the privately owned drainage system is identifying the best opportunity or trigger for the City to require the upgrades. Typically, improvements of this nature are only required when the property owner is applying for a building permit or upon sale of the property. The City could also consider encouraging these types of upgrades through a cost sharing program.

The plumbing code could be modified to require installation of backflow preventers or overhead sewers as part of home additions or improvements. Triggers could be based on the percent increase of square footage, or the cost of improvements relative to the assessed structure value. To protect their investments and to provide a reduced risk of future basement flooding, it would be beneficial to require installation of these plumbing measures.

The City currently allows for drain tiles, sump pumps, and roof drains to discharge to the storm sewer system. The plumbing code could be modified to require downspout and sump pump disconnection for building additions. Redirecting stormwater runoff from roofs to the ground will reduce the peak discharge to the sewer systems which could in turn reduce the risk of sewer backups.

5.1.3 Property Transfer Inspections

The sale of property is also an opportunity for the City to require inspections, ensure that the existing system meets certain provisions of the code, and require repairs or code compliance measures to the private system.

The City should investigate the ability to create and enforce the necessary procedures or forms to implement the following recommendations:

- Require backflow preventers/overhead sewers for sales of homes.
- Require basement flooding inspection/remediation at point of sale for homes.
- Require downspout disconnection at point of sale for homes.
- Require inspection of lateral sewer at sales of homes.
- Require periodic inspection of sump pump.

5.2 Private System

There are multiple options available for property owners to improve their level of protection against flooding of their home. These can include the following:

- Overhead sewers
- Sanitary sewer backup prevention
- Sump pumps and roof drains
- Lot Drainage
- Floodproofing/waterproofing

5.2.1 Overhead Sewers

An overhead sewer system is one of the most reliable measures to prevent flooding due to basement backups. In an overhead sewer system, sewage leaves the home just below the first floor and backups into the home caused by the public system are extremely rare. A diagram of an overhead sewer is shown in Figure 5.1. If the home has existing drain tiles and no sump pump, a new sump pit and pump should also be installed.

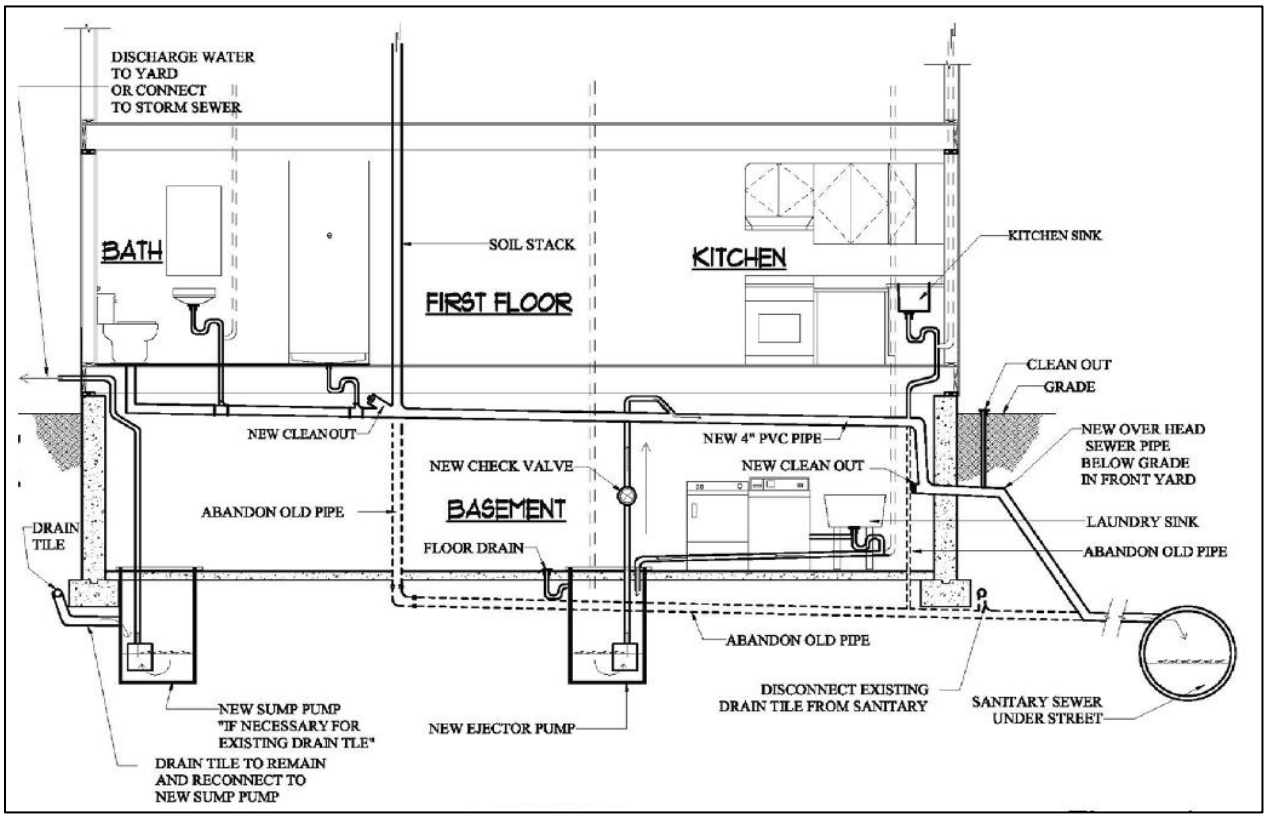


Figure 5.1. Overhead sewer diagram

5.2.2 Sanitary Sewer Backflow Prevention

A backflow preventer installed in a sewer service line is designed to allow water or sewage flow only out of the structure, providing protection from basement backups during storm events. Backflow preventers should be inspected yearly, and homeowners need to understand that during rain events where the valve is closed, sewage will not be able to discharge to the street and they should minimize their water usage in their home to avoid backups. See Figure 5.2 for a diagram.

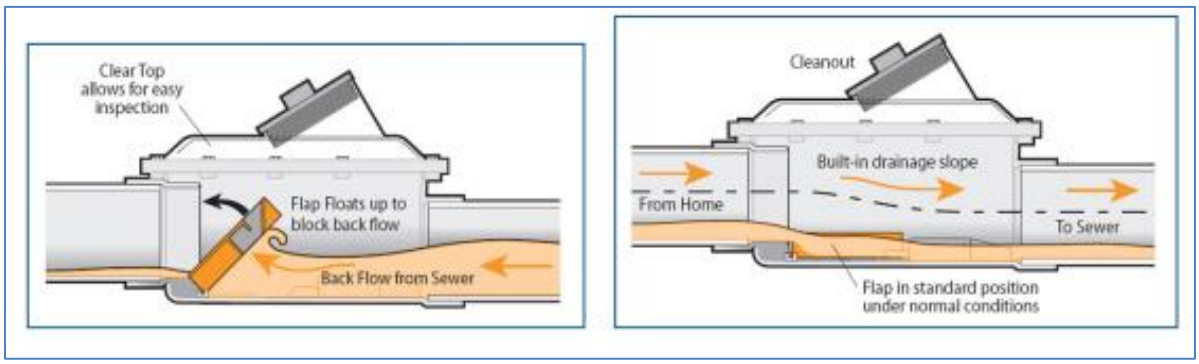


Figure 5.2. Backflow Preventer Diagram

5.2.3 Sump Pumps and Roof Drains

A sump pump and drain tile system around a structure's foundation serves to collect the groundwater and pump it away before it leads to seepage. Drain tile can be installed around the outside of a foundation on the outside walls or along the inside walls beneath the slab.

Gutters and downspouts collect water from the roof and direct it away from the structure. An improperly functioning roof drain system can allow excess water to collect near the exterior walls, which can then flow down along the foundation wall, leading to seepage.

A best practice is to have sump pumps and downspouts discharge at grade, and not to the storm sewer system. Redirecting stormwater runoff from sump pumps and downspouts will reduce the peak discharge to the sewer systems, which could in turn reduce the risk of sewer backups.

5.2.4 Lot Drainage

Earth should always be graded to direct water away from all structures. Another common problem is sidewalks, slabs, or driveways that may heave or tilt over time and direct water toward the foundation of a structure with a basement or crawlspace. Lot issues that direct runoff toward the structure should be corrected to the extent possible. New drainage features or even an exterior sump pump system may be needed to correct difficult drainage situations.

Additional requirements should be considered when regrading a lot. No lot should be graded in such a manner as to raise the grade of such lot to any point higher than a continuous grade level between the grade of the lots on either side abutting such lot. Also, no proposed grade should impede or divert the flow of water through any property unless by proper investigation it can be shown will not adversely impact any adjoining property owner and will contribute to an improvement in the overall drainage system. If there are drainage swales on the property, those should be checked and kept free of obstructions.

5.2.5 Floodproofing

Floodproofing ranges from simple coatings and barriers to intensive structure retrofitting measures. Applicable floodproofing measures in Evanston would primarily include waterproofing of walls or foundations and simple adjustments to windows or doors of structures in commercial or industrial areas that might be at risk of flooding. A summary of the most applicable measures includes:

- Protective coating or membranes around basement wall to prevent seepage.
- Elevating utilities or appliances in the basement to prevent damage from seepage.
- Retrofitting low lying windows to glass block systems.
- Retrofitting or eliminating exterior doors to lower levels.
- Installation of guides for stop log insertion in openings at or below grade when flooding is imminent.

5.3 Public System

Recommendations and future improvements to the public sewer system include capital improvements, green infrastructure, and sewer monitoring. Several policies could be considered with regard to the public system. These include improving the stormwater system whenever a roadway is being reconstructed or other utility work is occurring. Another policy could be to incorporate green infrastructure into all public system projects, particularly for projects occurring in areas with sandy soil.

5.3.1. Capital Improvements

Capital improvement projects will be needed to improve system performance in areas that experience repeated flooding or for areas where surface flooding inundation risk has been identified. The modeling results will be used in conjunction with reported drainage problems to identify future project areas.

Previously implemented public sewer projects have greatly improved the performance of Evanston's drainage system. While these systems have functioned well over the last two decades to prevent flood damages during intense storm events, updated rainfall data and the current stormwater analysis shows that the system does not provide 100-year level of performance for surface flooding and sewer surcharging.

The City should strive to reduce the risk of surface flooding structures in the 100-year storm. Property owners have little control over this situation. Floodproofing or structure alterations may reduce or prevent damage during flood events. However, the City is in the best position to design and implement projects that would reduce the risk of flooding to these structures.

Regarding sewer performance, it would not be feasible for the City to achieve no sewer surcharging in the 100-year storm system wide. Simply put, property owners should not expect or rely on this level of service from the public combined sewer system. For decades, the building code has required overhead plumbing for all new construction. While the city may wish to improve the sewer system in some locations where sewer surcharging is particularly problematic or is causing property damage, the most robust and resilient way for properties to be protected is by having the private drainage system meet the current standards for new construction.

There are a number of potential stormwater improvements that could be implemented by the City to improve the system performance. These include:

- Sewer capacity improvements
- Outlet improvements or modifications
- Detention or flood storage basins
- Green infrastructure

The most feasible capital Improvement projects to reduce flood risk in critical areas of Evanston will generally involve conveyance improvements. Because Evanston is fully developed, there are limited opportunities to implement above ground storage basins. In some locations, where the drainage problem is isolated or minor, then storage may play a role in the solution. As discussed below, green

infrastructure may be implemented to improve or prevent degradation of system performance over time.

The stormwater modeling tool will be used to analyze potential project areas to develop an appropriate suite of solutions. Site conditions such as soil permeability type, distance from a relief/storm sewer, and flooding type and depth should be considered when choosing appropriate solutions.

5.3.1.1 Refined Conceptual Improvements for Combined Sewer Basin 07

Combined Sewer Basin 07 is generally bounded by the North Shore Channel to the north and northwest, Church St. to the south, the Union Pacific/Metra North Line Railroad to the east, and approximately Simpson St. to the north. There are multiple reports of basement backups in this area, as well as several areas of 100-year surface flooding risk as identified by the model.

Combined Sewer Basin 07 discharges to the west along Emerson St. There is an outfall to TARP that has a weir to force dry weather/low flow under the North Shore Channel in an inverted siphon and into an MWRD intercepting sewer. At high flow, the weir will overtop and allow flow into TARP.

The combined sewers on the side streets range from 9-inches to 15-inches in diameter. The combined sewers generally drain towards Emerson St., where a 54-inch diameter sewer, which is owned by MWRD, drains towards the MWRD interceptor and TARP. There are relief sewers for this area along Lyons St., portions of Hartrey Ave., Foster St., portions of Dodge Ave., and portions of Church St.

Several of the basement backup reports overlap with areas in the model shown to only have a 2-year level of protection, which is along Darrow Ave. from Church St. to the south to the sewer ridge line to the north between Simpson St. and Payne St., see Figure 5.3. Below is a list of potential contributing factors to this flood risk area:

- The mainline sewer on Darrow Ave. is 9-inches to 12-inches, which is undersized for its drainage area.
- Darrow Ave. sewer drains toward the sewer along Emerson St., which experiences a high tailwater from the TARP outfall configuration.
- There are some relief sewers in Combined Sewer Basin 07, but no relief sewer along Darrow Ave. or Emerson St.

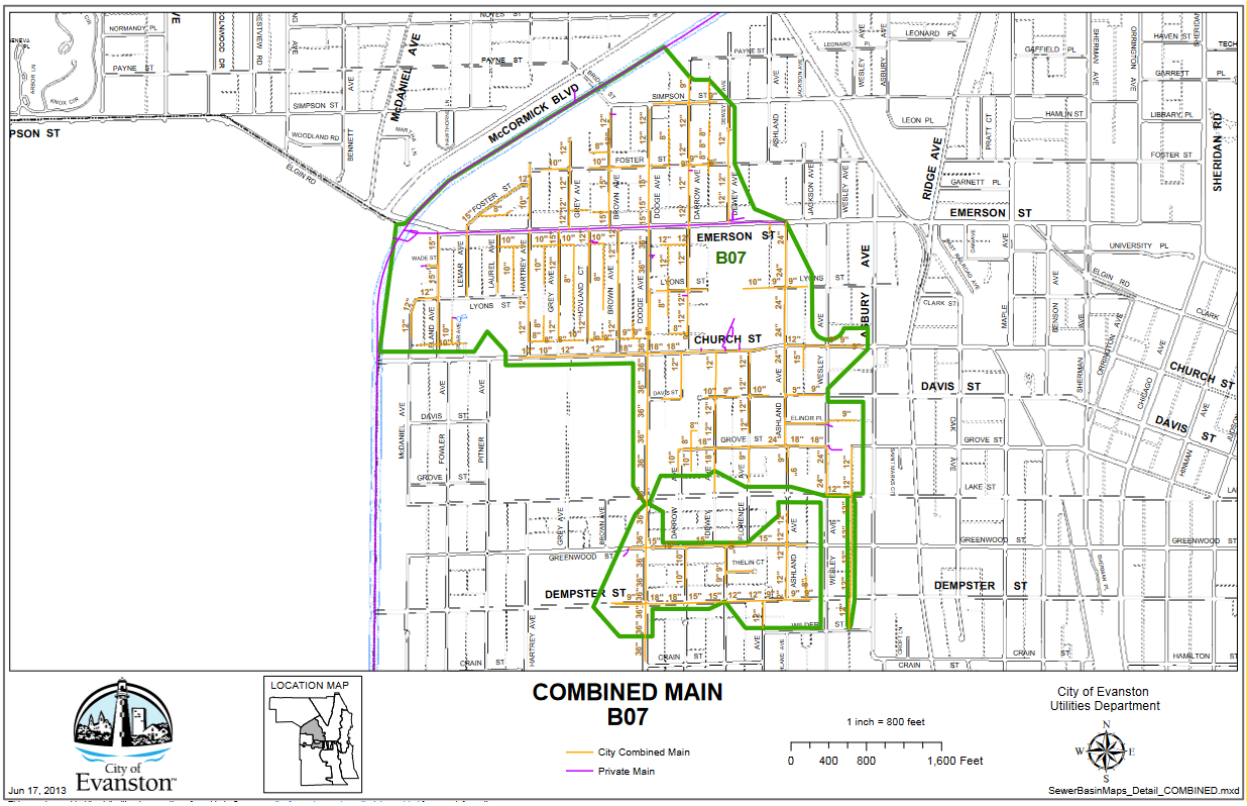


Figure 5.3 Combined Sewer Basin 07

The drainage system for this area was analyzed to develop solutions to improve the combined sewer performance and reduce the surface flooding risk. Increasing the local sewer capacity provides the necessary conveyance capacity at the location of the problems. However, a downstream improvement would also be needed to reduce tailwater on the problem area as well as ensure that the flood risk won't be translated downstream.

A conceptual solution for this area would include the following improvements, and is shown in Exhibit 5.1.

- Increase sewer capacity along Darrow Ave. by upsizing the existing sewer or providing a second relief sewer.
- Increase sewer capacity along Emerson St. by upsizing the existing sewer or providing a second relief sewer. It is noted that the existing sewer is owned by MWRD.
- Reconfigure outfall to TARP to decrease tailwater created by the outfall structure. This could help provide relief to other neighborhood streets in addition to Darrow Ave. It is noted that the outfall structure is owned by MWRD.

This conceptual solution would cost approximately $6.4 million. A conceptual cost opinion is provided in Appendix. 2. This conceptual improvement represents the types of solutions that should be possible to identify and implement for areas of localized flooding or underperforming sewers.

5.3.1.2 Refined Conceptual Improvements for Southwest Model Surface Flooding

The southwest area of Evanston is somewhat unique within Evanston. Pre-regulatory development along the North Shore Channel was built several feet above natural ground and cut off the overland flowpaths from the residential area between Oakton St. and Main St. This residential area is low lying and flat and has very few well-defined overland flowpaths within the area itself, or leading from the area. Even if an overland flowpath between the neighborhood and the channel could be restored, it would still be problematic to direct surface floodwaters to the channel. Further improving the subsurface drainage system was found to be the most feasible strategy. Surface flooding risk for the area can be seen in Exhibits 4.6, 4.7 and 4.9.

The area is currently served by a combined sewer system and a separate storm sewer system. The combined sewer system discharges to the MWRD interceptor with an overflow to TARP at Cleveland St. The combined sewer system serves the area from Main St. to the north, Ridge Ave. to the east, and Oakton St. to the south. There are local streets where there is no separate storm sewer and these are served only by the combined sewer system. The system is generally undersized for its service area.

The separate storm sewer system discharges directly to the North Shore Channel. The storm sewer serves the area from Main St. to the North, Ridge Ave. to the east, and Case St./Chicago Transit Authority (CTA) Yellow Line to the south. The sewer does not reach all streets and is undersized for its service area. Both of these systems leave the neighborhood along Cleveland St. and pass through commercial properties before reaching their outfalls.

In order to alleviate the surface flooding in this area, the stormwater infrastructure will need to provide the 100-year, overland flow capacity in a pipe system since an overland flow path is not available. In order to reduce the flood risk in the 100-year storm the conceptual improvement would require approximately 8,000 feet of trunk sewer, 2,000 feet of local sewer, and high capacity inlets into the system. The conceptual solution for these improvements is shown in Exhibit 5.2.

This conceptual solution would cost approximately $16.1 million. A conceptual cost opinion is provided in Appendix. 2.

This conceptual solution would address flooding issues in a specific area of the southwest model. The drainage configuration in this area is fairly unique within Evanston. In general, Evanston does not have many significant areas that lack overland flowpaths. Because of this, the overall surface flooding risk was found to be rather low relative to other nearby communities. Most other potential projects to address surface flooding risk in Evanston are expected to be significantly smaller in scope than this concept.

5.3.1.3 Refined Conceptual Improvements for Mason Park Green Infrastructure

Mason Park is an existing City owned park located south of Church St. between a former railroad right-of-way and Florence Ave. In addition to the developed area of the park north of Davis St., Mason Park also has a triangular shaped section of undeveloped property which is south of Davis St. and east of the former railroad right-of-way. A City project is currently underway to evaluate and improve the park area and improve transportation connectivity in the area. A green infrastructure concept was prepared as an

example of a compatible project element that could be incorporated into the ongoing park planning project.

The Natural Resources Conservation Service (NRCS) Web Soil Survey indicates that there is sandy soil in the area of Mason Park, indicating that there is an opportunity to infiltrate stormwater at a relatively high rate. There is existing combined sewer system serving Davis St. and Dewey Ave. to the east of the undeveloped triangle. The green infrastructure concept includes disconnecting the existing inlets from the combined sewer system along Davis St. and Dewey Ave. and directing the runoff tributary to those structures to a proposed bioswale in the undeveloped triangle area of Mason Park. The bioswale would discharge to an existing relief sewer west of the undeveloped triangle area. The bioswale would capture runoff from the 10yr, 24 storm event.

A green infrastructure project for this area included the following improvements, and is shown in Exhibit 5.3.

- Disconnect existing inlets from combined sewer along Davis St. and Dewey Ave.
- 850 feet of local sewer.
- Bioswale approximately 300 feet x 20 feet.

This conceptual project would cost approximately $900,000. A conceptual cost opinion is provided in Appendix. 2.

This project would serve to disconnect the existing inlets from the combined sewer system, and improve the performance of the drainage system in this area.

5.3.2. Green Infrastructure

Green infrastructure is a way of managing stormwater that filters and absorbs stormwater where it falls, instead of using grey infrastructure to move the stormwater away. Green infrastructure solutions are varied and can be used at a small scale such as a rain barrel or rain garden for a home, or green alley or wetland at a neighborhood scale. Other examples include permeable pavement, green roofs, dry wells, stormwater trees, and bioswales. Green infrastructure is one way to provide resilience to the stormwater system as well as having environmental, social, and economic benefits, typically known as the Triple Bottom Line Analysis.

During the last several decades the impacts of increased rainfall and development have resulted in impacts to the City of Evanston, not unlike the majority of urban and suburban areas in the Midwest. City regulations and stormwater design standards have attempted to keep up with these ever-growing issues. The most recent update to local rainfall data showed an increase of one inch of rainfall in the 100-year, 24 storm event. Accounting for additional stormwater capture in green infrastructure can help alleviate the impact of future potential increases in rainfall. Providing and promoting stormwater runoff volume capture can provide a cumulative benefit over time to the City's overall stormwater peak runoff while improving water quality.

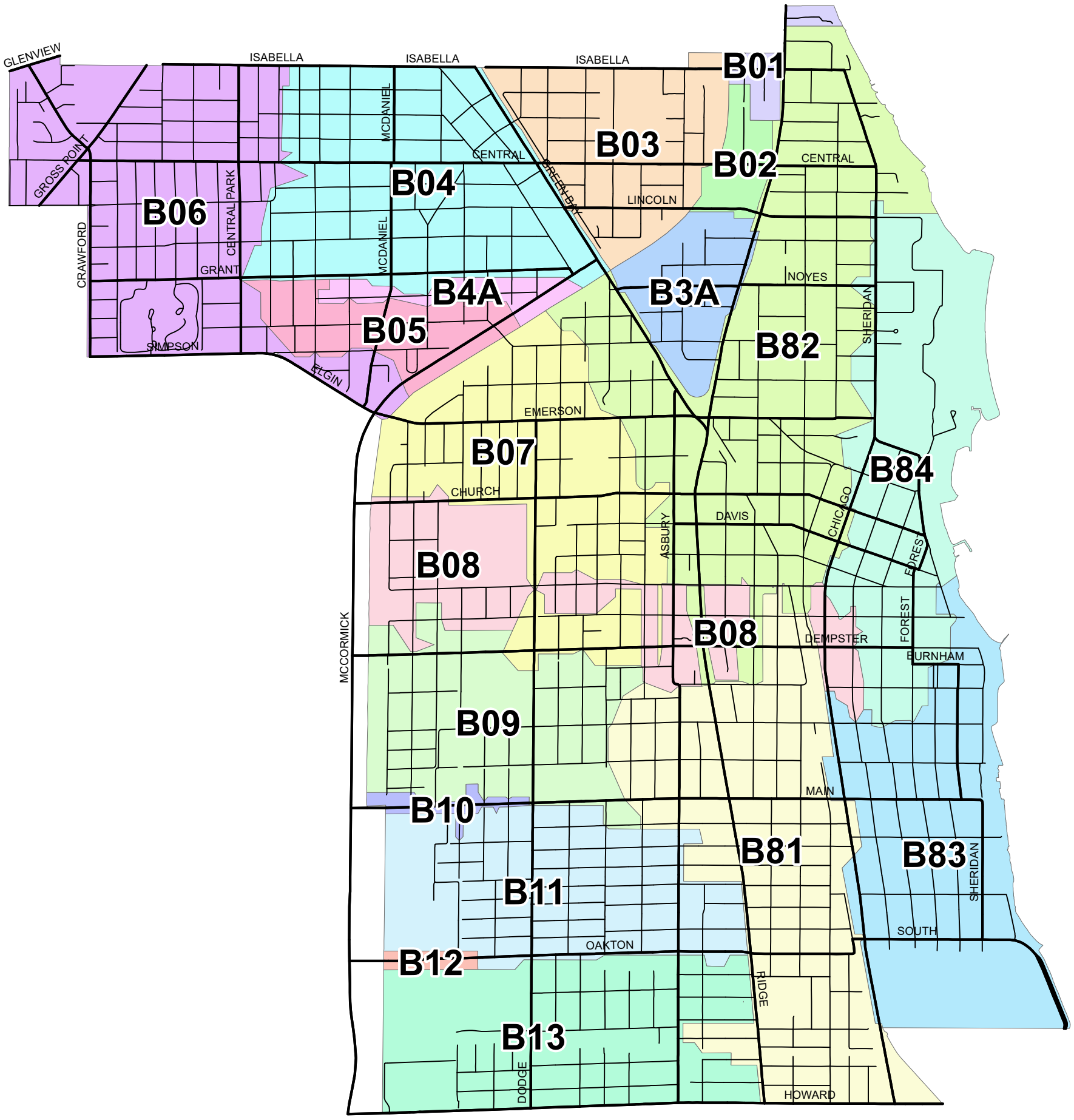
Evanston currently has a green building ordinance that provides credit for installation of BMPs and has developed standard engineering details for Green Infrastructure to be used on their public projects. The City could enhance the policy and develop green infrastructure/sustainability goals and standards for all

City-funded projects. Any related conveyance improvements should be a minimum 10-year design standard. Evanston currently evaluates capital improvement projects for their ability to support green infrastructure, considering site layout, infiltration rate, ground water level, environmental factors, and maintenance.

Evanston previously had a program called Livable Landscapes that supported raingardens. The City could consider providing homeowners with the ability to create their own BMPs at a reduced cost to promote green infrastructure on private property.

5.3.6 Sewer System Monitoring

Flow and water level monitoring was included in the development of the model and stormwater management plan as a way to calibrate and verify the model. Water level meters are significantly less complicated and less expensive to operate than flow monitoring equipment. In order to build out and calibrate the city-wide stormwater model, this project focused on flow metering of the basin outfalls to maximize coverage of the city. Information regarding the performance at key locations throughout the interior of the drainage system was not collected. The calibration effort discovered that there is uncertainty in how a portion of the measured flow is entering the combined sewer system. The City should acquire and install additional water level meters at locations of interest or in priority project areas. These meters are low cost, battery operated, relatively simple to install, and can be deployed for months at a time. They can also be easily moved and operated at new locations of interest.



Scale:

0 1,000 Feet

Orientation:

Legend:

Local Street

Main Road

Project Number: 19-0420

Date: 5/20/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

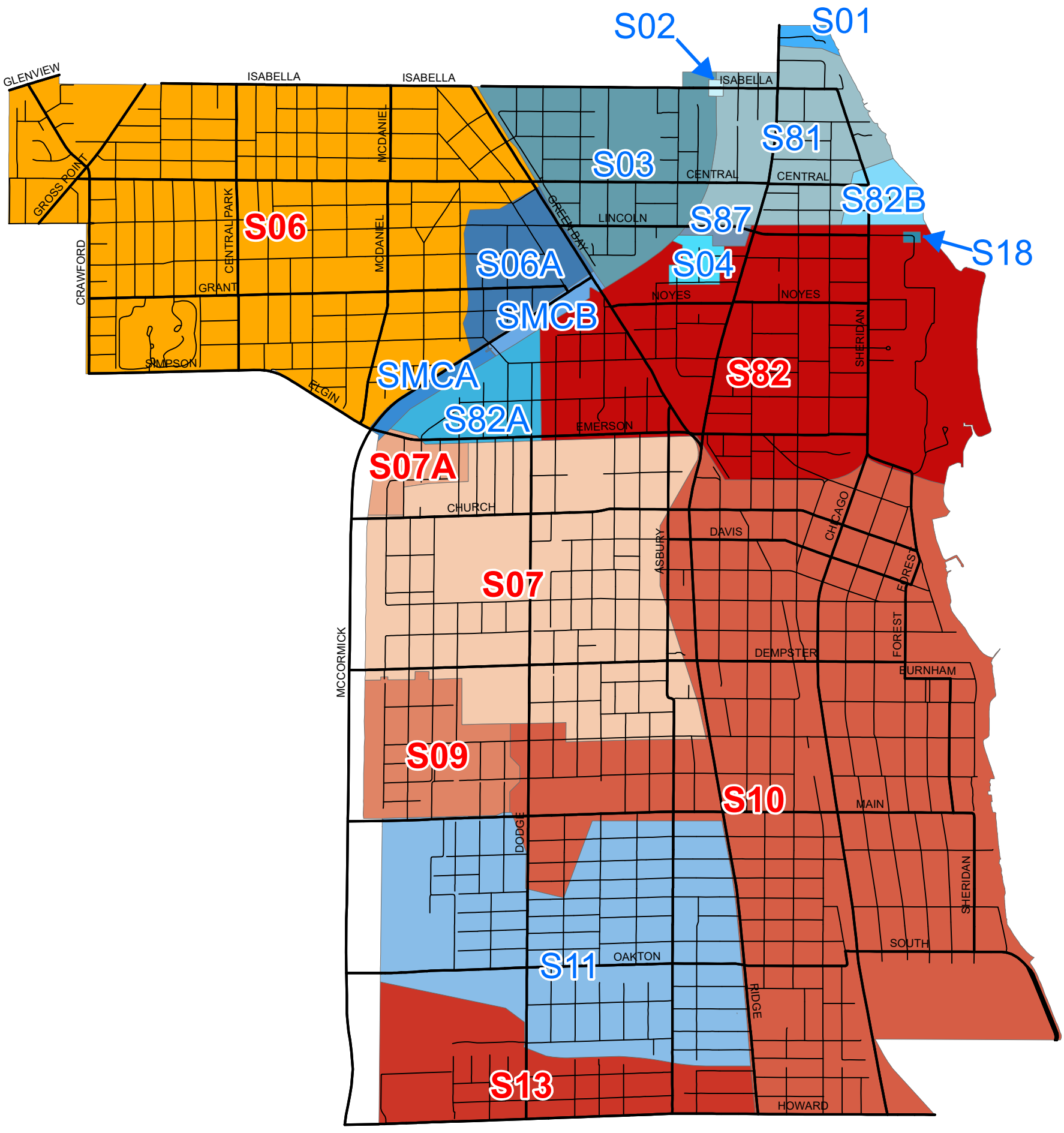
City of Evanston

Exhibit Title:

Combined Sewer Basins

Exhibit:

2.1



Scale:

0 1,000 Feet

Orientation:

Legend:

Local Street

Main Road

Relief Basin

Storm Basin

Project Number: 19-0420

Date: 5/20/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

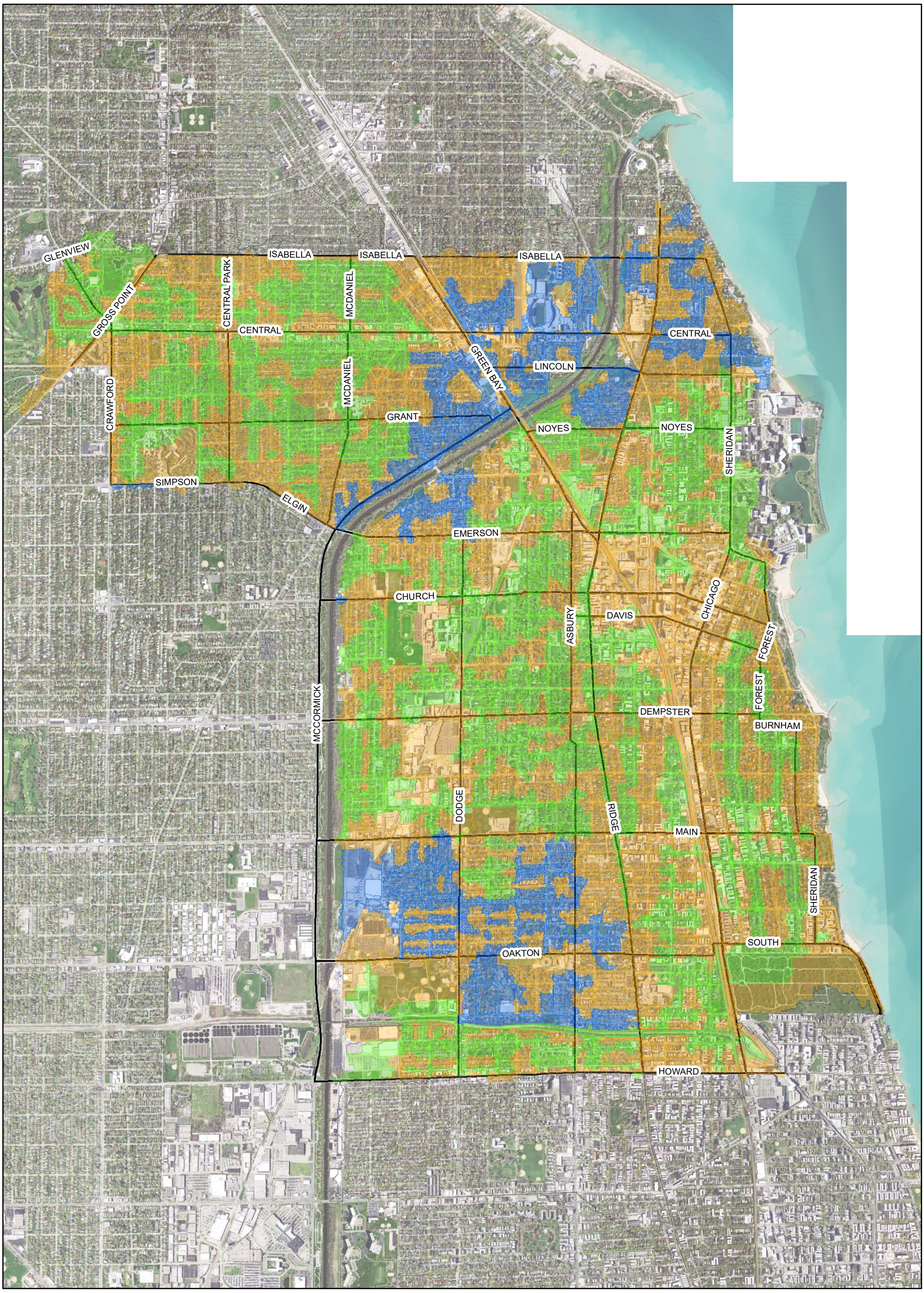
City of Evanston

Exhibit Title:

Relief and Storm Sewer Basins

Exhibit:

2.2



Scale:

0 1,000 Feet

Orientation:

Project Number: 19-0420

Date: 6/29/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Legend:

Catchment Delineations

- Other
- Combined
- Relief
- Storm

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

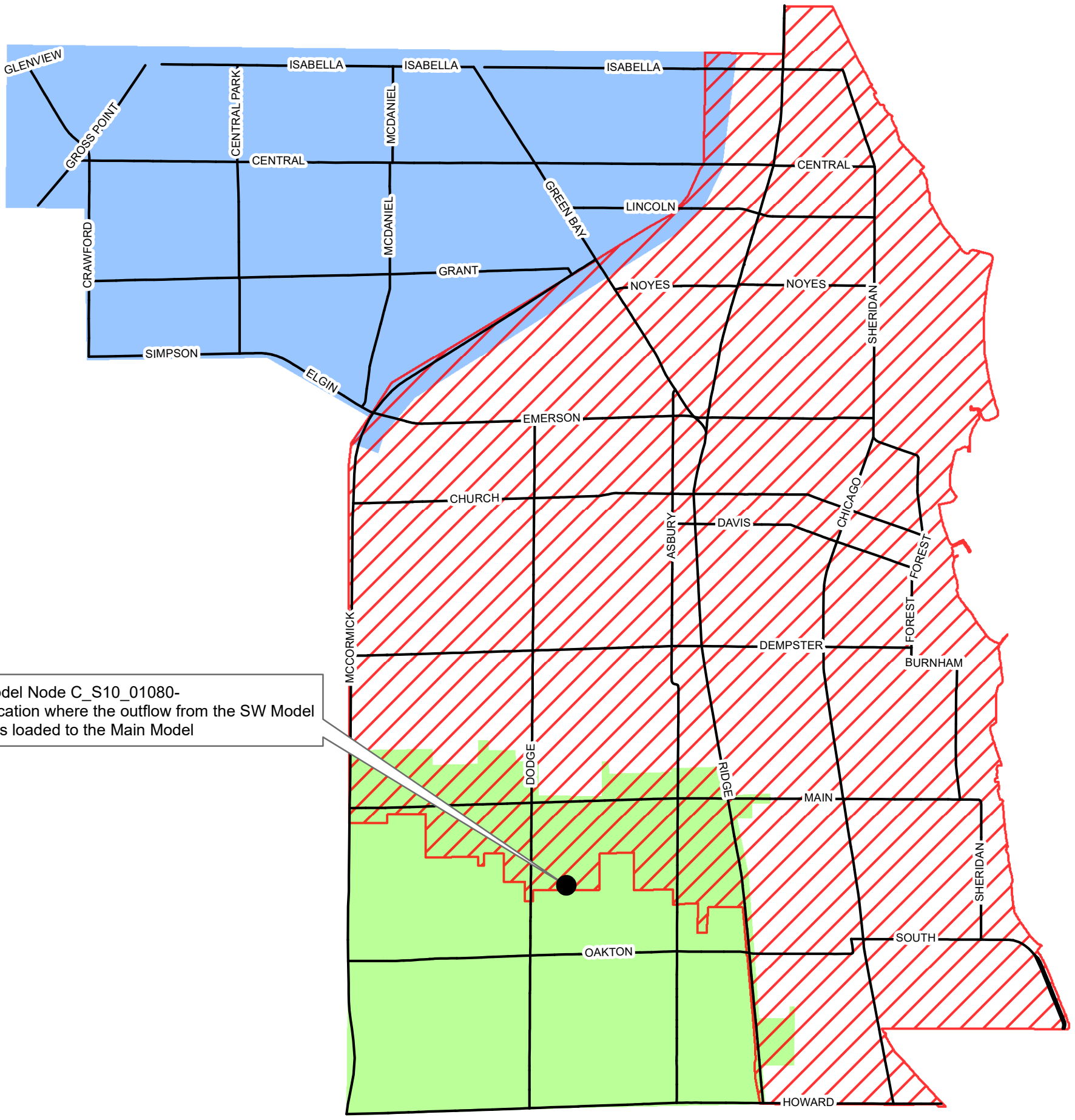
2017 Aerial

Exhibit Title:

Catchment Delineations

Exhibit:

3.1



Scale:

0 1,000 Feet

Project Number: 19-0420

Prepared by:

Orientation:

Date: 5/23/2023

Legend:

Model Boundaries

- Main
- Northwest
- Southwest

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Hey and Associates, Inc.

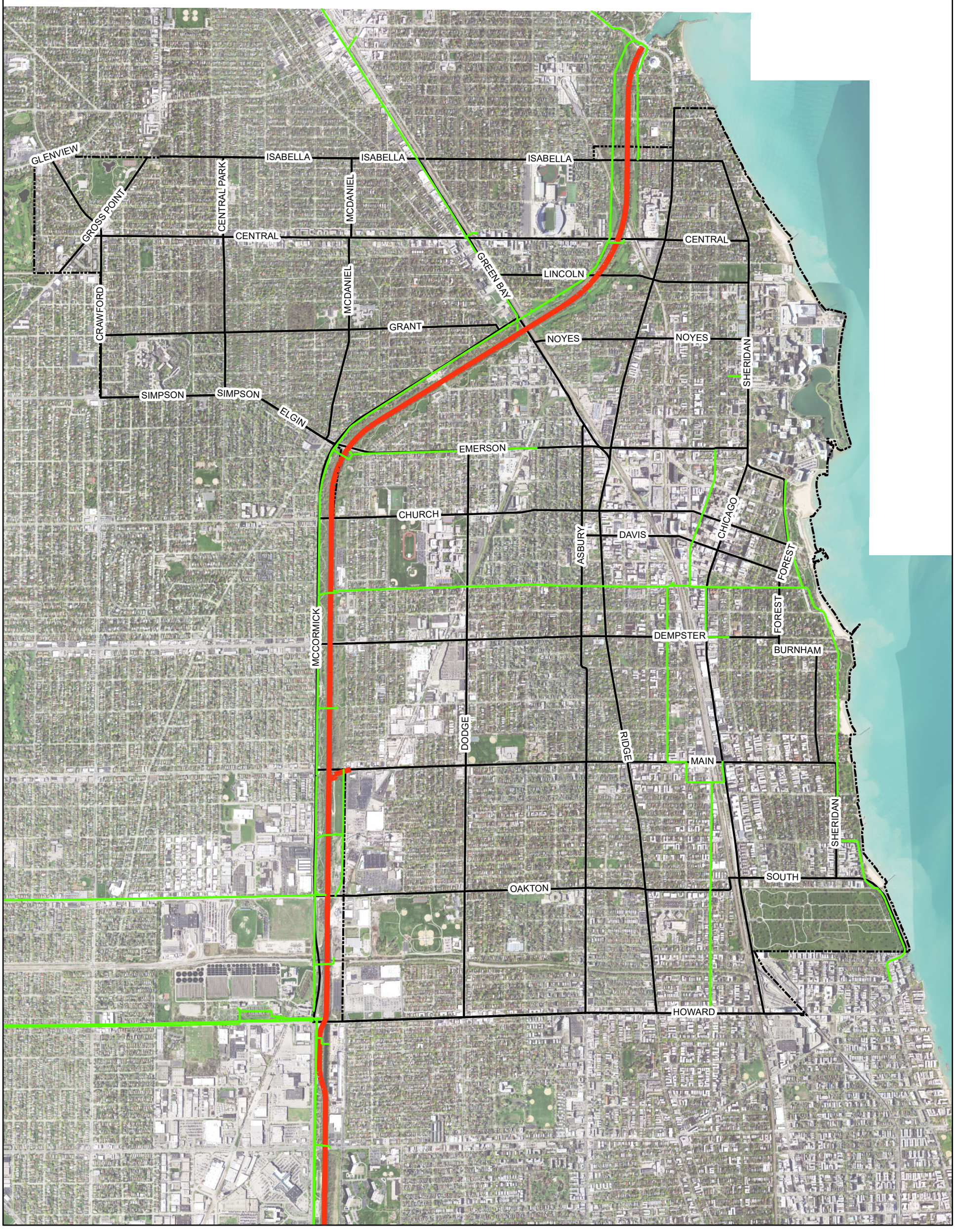
Engineering, Ecology and Landscape Architecture

Exhibit Title:

Model Boundaries

Exhibit:

3.2



Scale:

0 1,000 Feet

Project Number: 19-0420

Orientation:

Date: 2/7/2023

Legend:

- Tunnel and Reservoir Plan (TARP)
- MWRD Interceptor

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

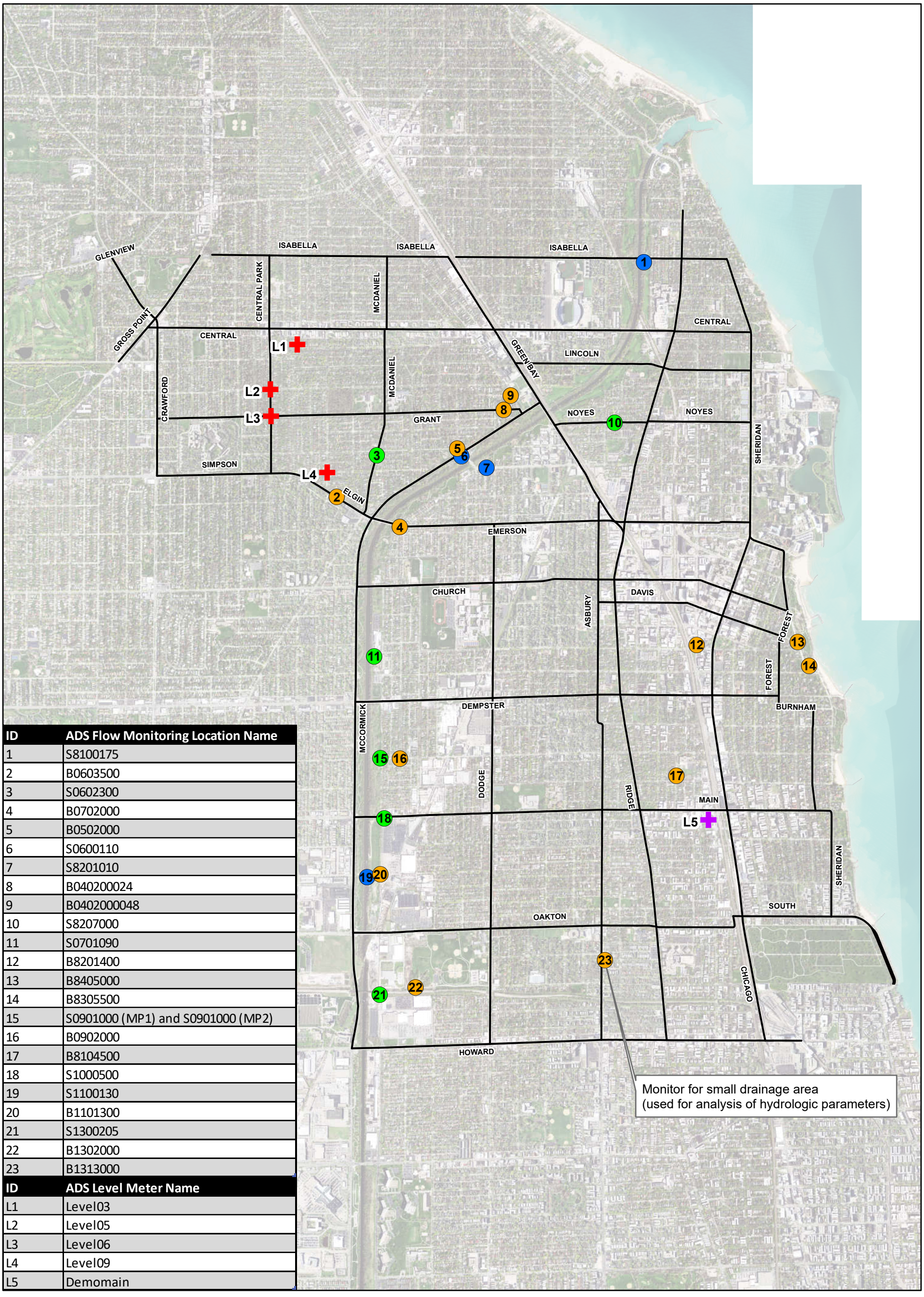
2017 Aerial

Exhibit Title:

MWRD Interceptors and TARP

Exhibit:

3.3



ID	ADS Flow Monitoring Location Name
1	S8100175
2	B0603500
3	S0602300
4	B0702000
5	B0502000
6	S0600110
7	S8201010
8	B040200024
9	B0402000048
10	S8207000
11	S0701090
12	B8201400
13	B8405000
14	B8305500
15	S0901000 (MP1) and S0901000 (MP2)
16	B0902000
17	B8104500
18	S1000500
19	S1100130
20	B1101300
21	S1300205
22	B1302000
23	B1313000
ID	**ADS Level Meter Name**
L1	Level03
L2	Level05
L3	Level06
L4	Level09
L5	Demomain

Scale:

0 1,000 Feet

Project Number: 19-0420

Orientation:

Date: 5/21/2023

Prepared by:

Hey and Associates, Inc.
Engineering, Ecology and Landscape Architecture

Legend:

- Level Meter
- Experimental Level Meter
- Combined Sewer Monitoring Location
- Relief Sewer Monitoring Location
- Storm Sewer Monitoring Location

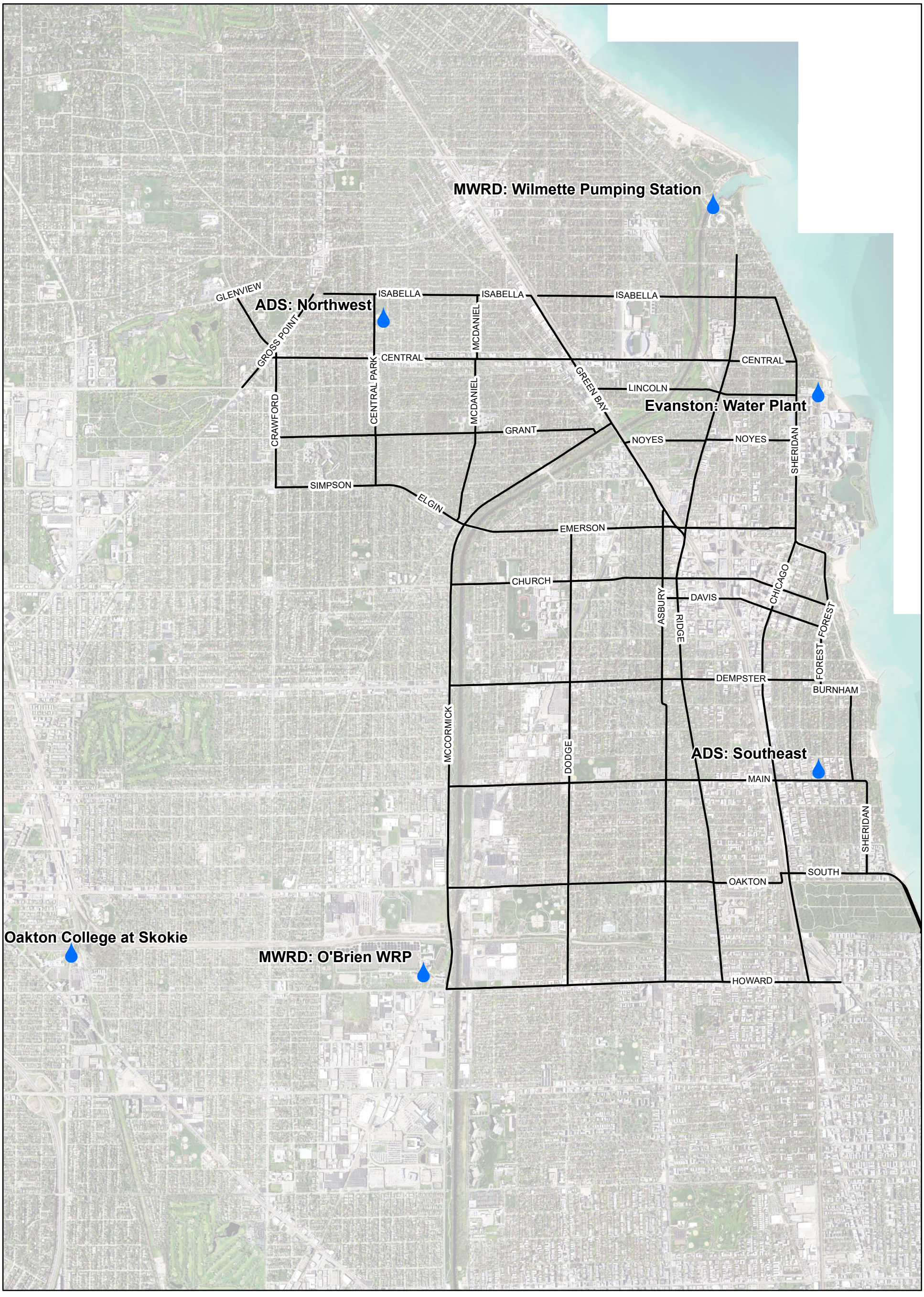
Project Name:
Stormwater Master Plan

Prepared for:
City of Evanston

Information about exhibit:
2017 Aerial

Exhibit Title:
Monitoring Locations

Exhibit:
4.1



Scale:

0 1,000 Feet

Orientation:

Legend:

Rain Gauge

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

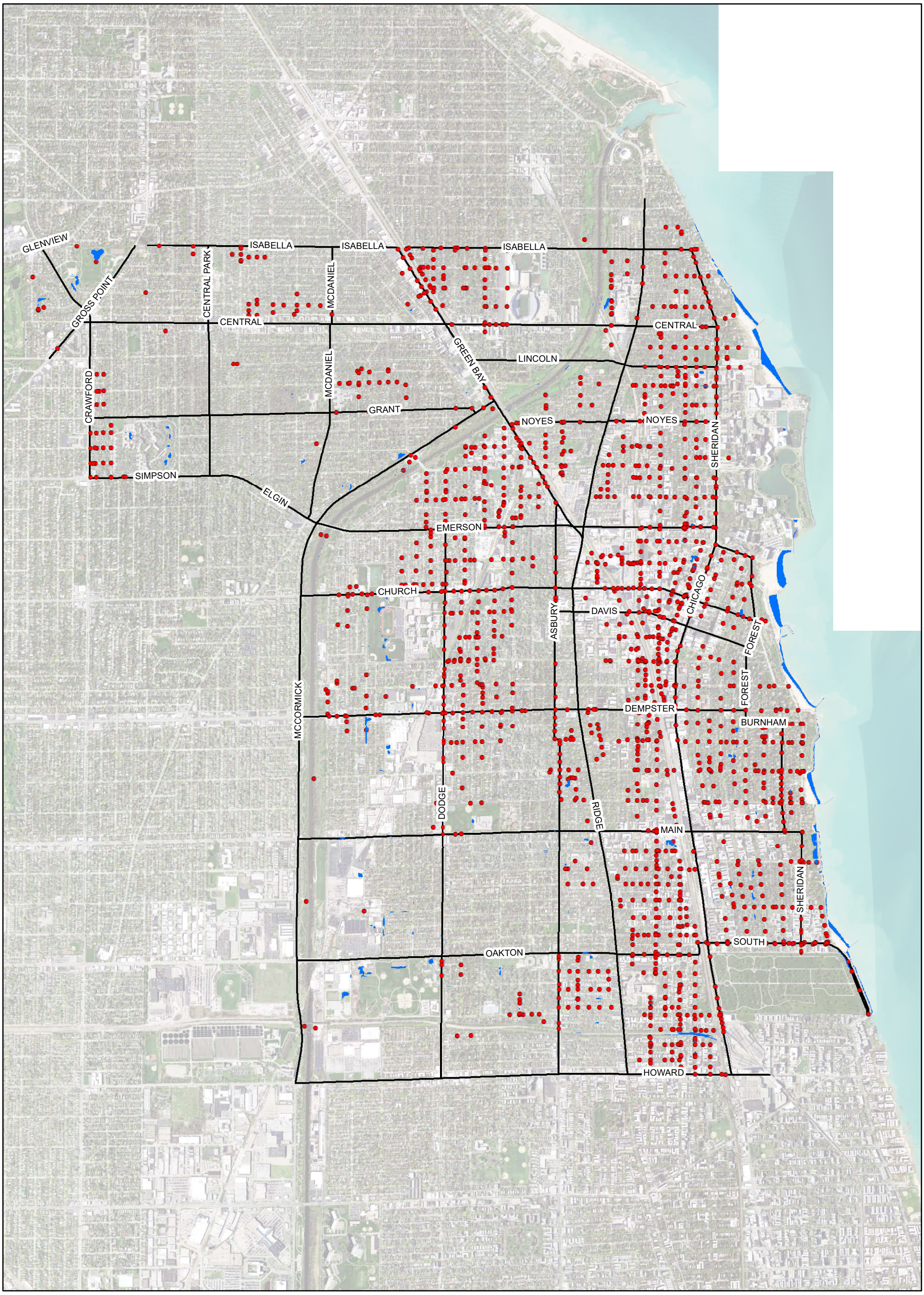
2017 Aerial

Exhibit Title:

Rain Gauge Locations

Exhibit:

4.2



Scale:

0 1,000 Feet

Orientation:

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Legend:

Sewer Surcharge Risk

Surface Flooding Risk Area

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

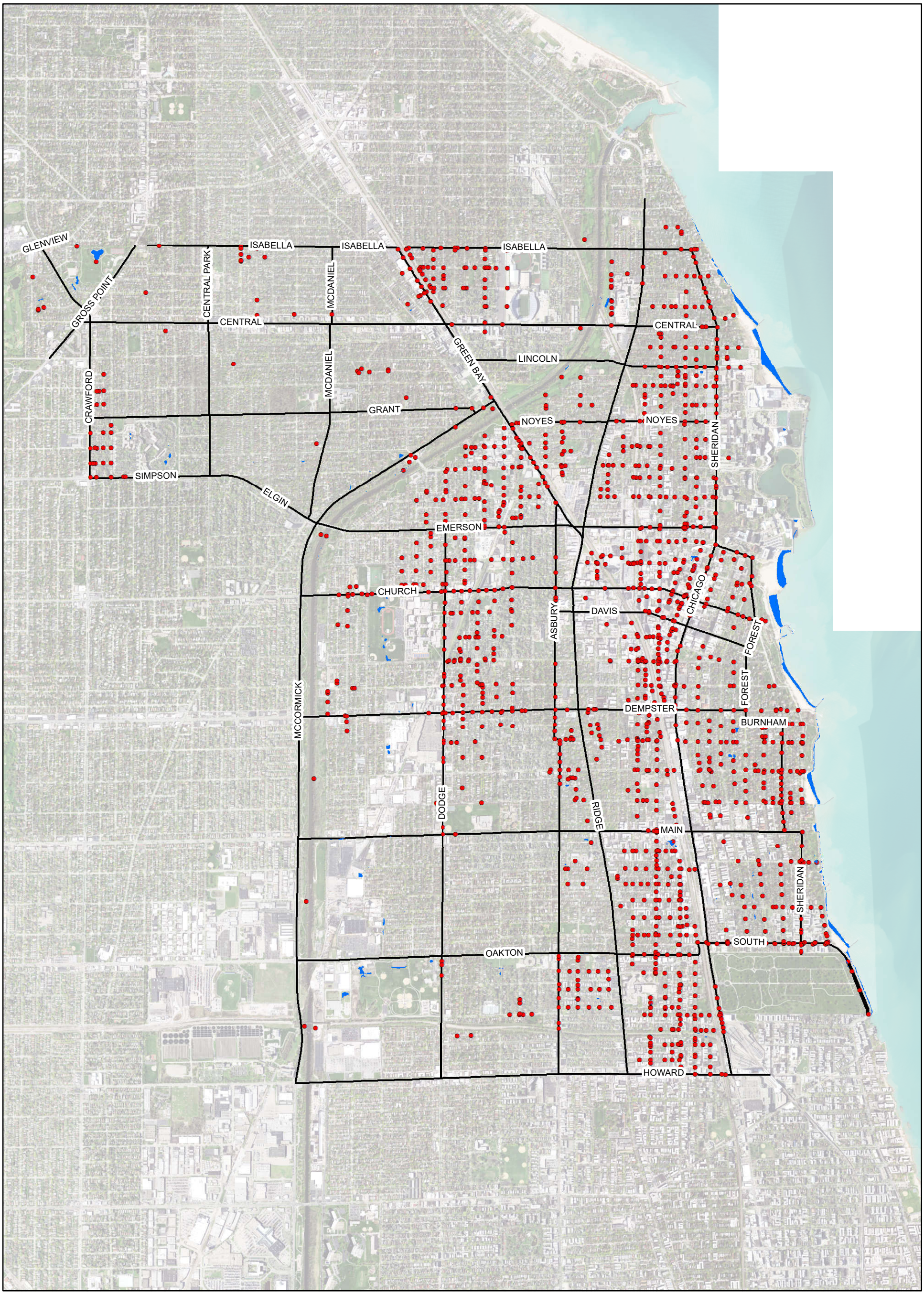
2017 Aerial

Exhibit Title:

Historic Storm: September 14, 2008

Exhibit:

4.3



Scale:

0 1,000 Feet

Orientation:

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Legend:

Sewer Surcharge Risk

Surface Flooding Risk Area

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

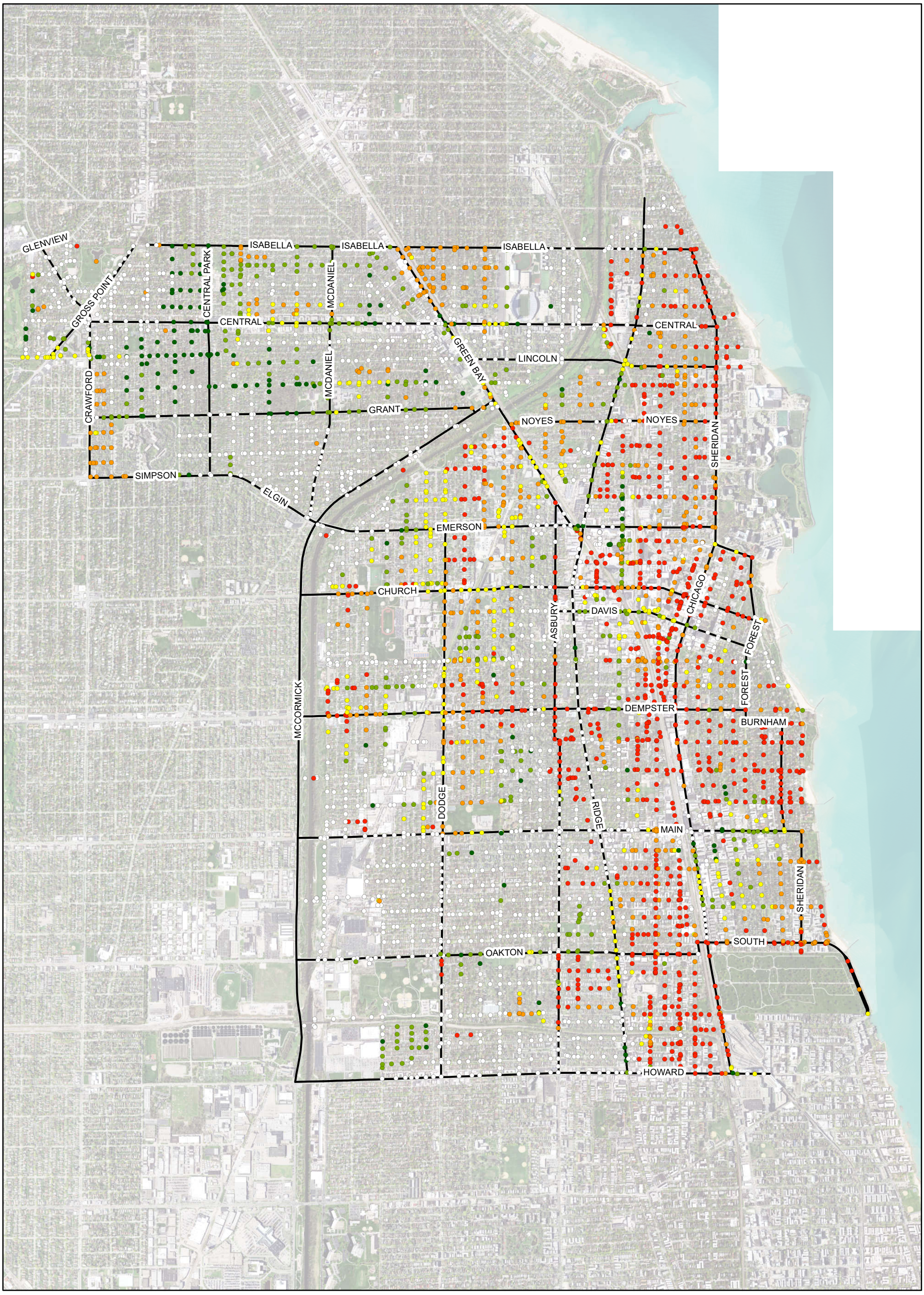
2017 Aerial

Exhibit Title:

Historic Storm: April 17, 2013

Exhibit:

4.4



Scale:

0 1,000 Feet

Orientation:

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Legend:

Sewer Surcharge Risk for 2hr event

- 2yr Flood Risk
- 5yr Flood Risk
- 10yr Flood Risk
- 50yr Flood Risk
- 100yr Flood Risk
- >100yr Flood Risk

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

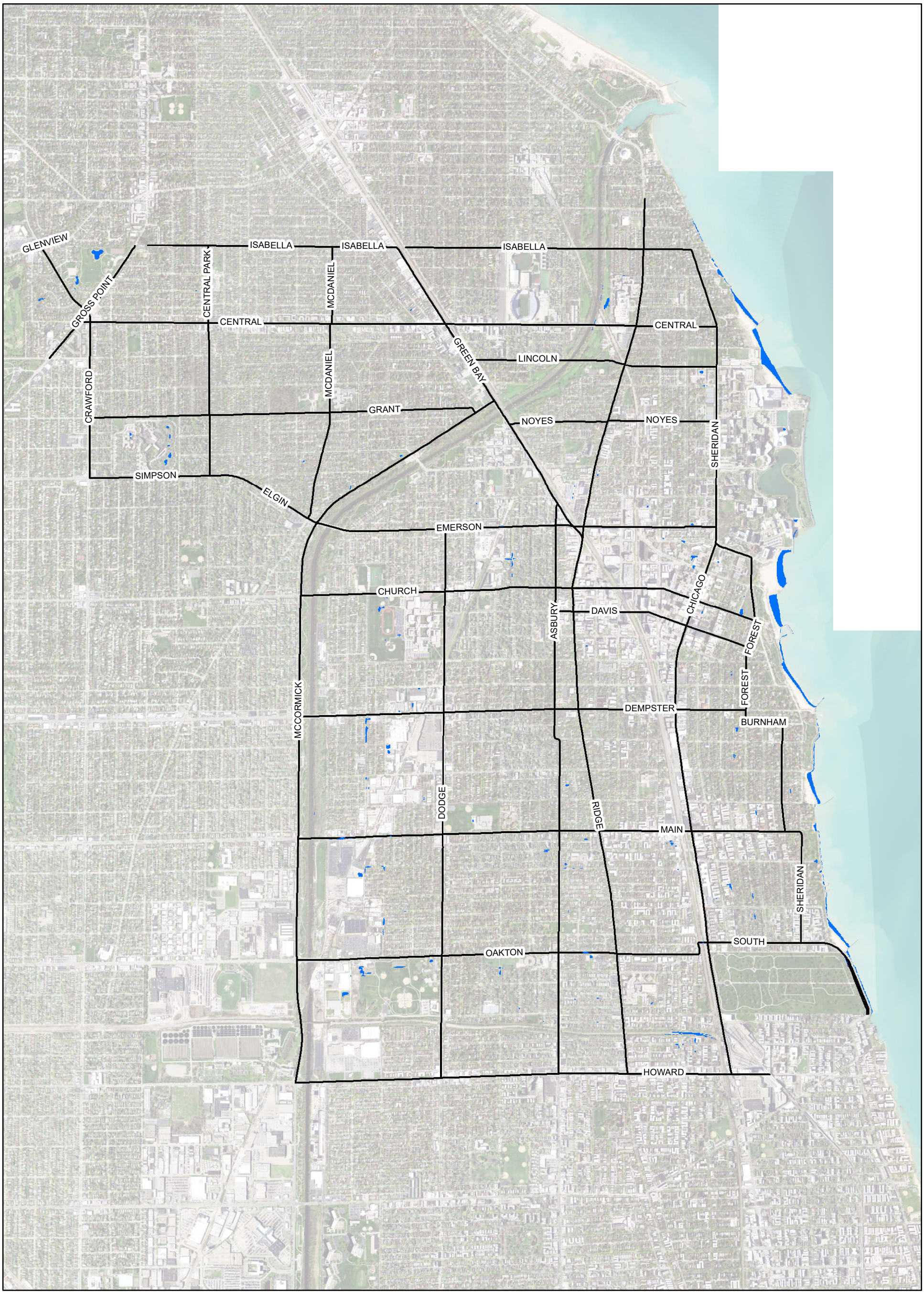
2017 Aerial

Exhibit Title:

Sewer Surcharge Risk

Exhibit:

4.5



Scale:

0 1,000 Feet

Orientation:

Legend:

Surface Flooding Risk Area

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

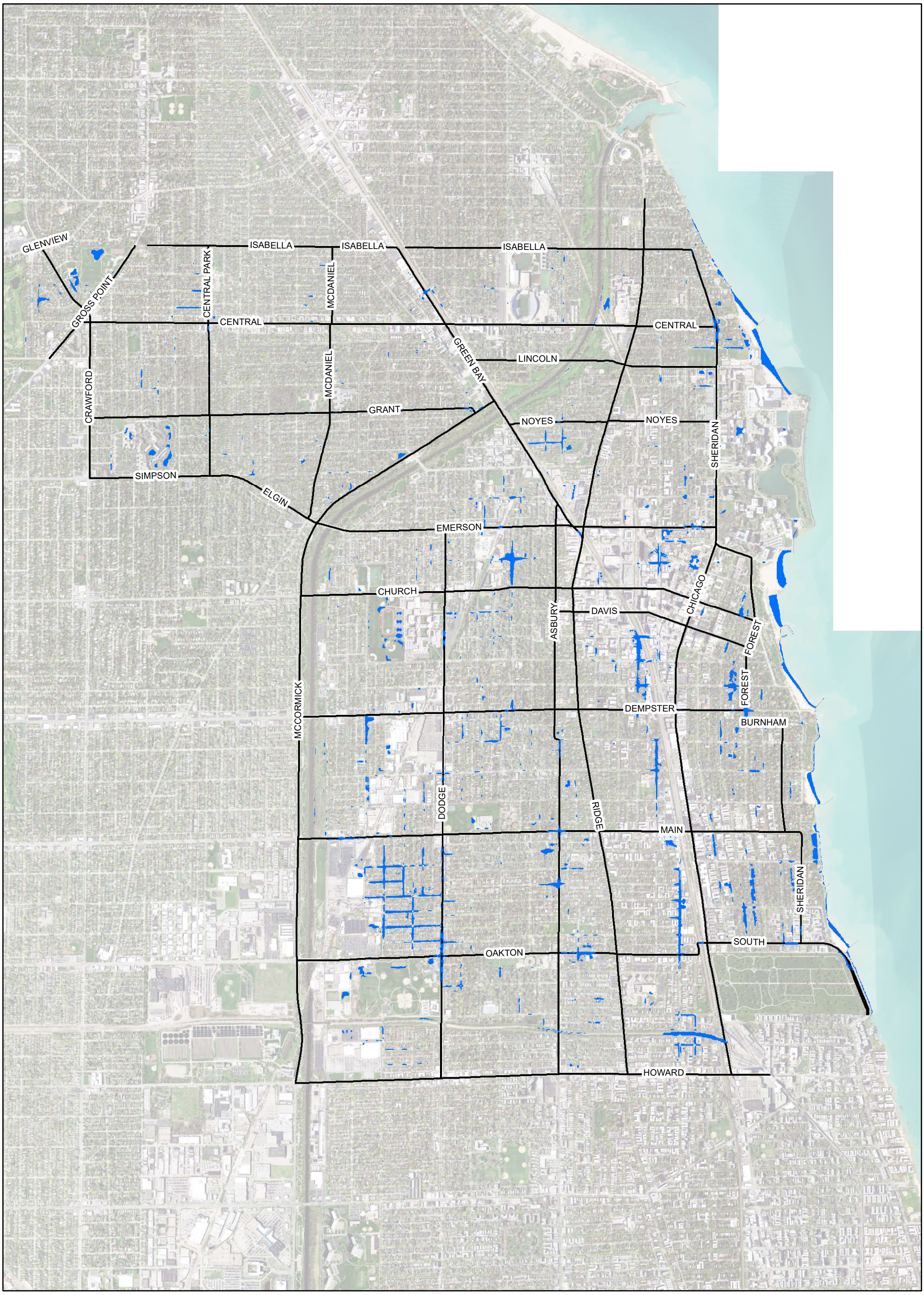
2017 Aerial

Exhibit Title:

Surface Flooding Risk 10yr 2hr

Exhibit:

4.6



Scale:

0 1,000 Feet

Orientation:

Legend:

Surface Flooding Risk Area

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

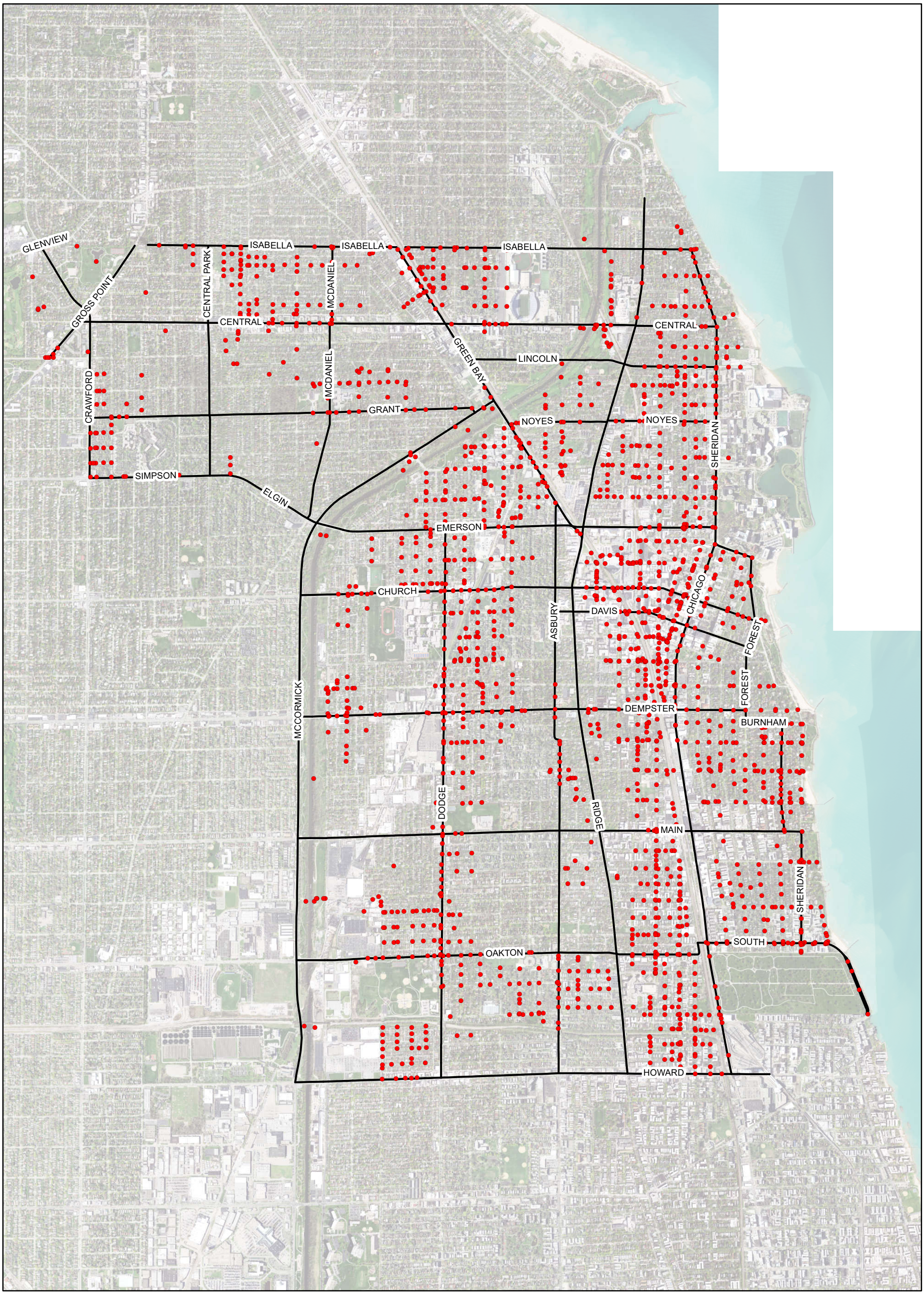
2017 Aerial

Exhibit Title:

Surface Flooding Risk 100yr 2hr

Exhibit:

4.7



Scale:

0 1,000 Feet

Orientation:

Legend:

- Sewer Surcharge Risk

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

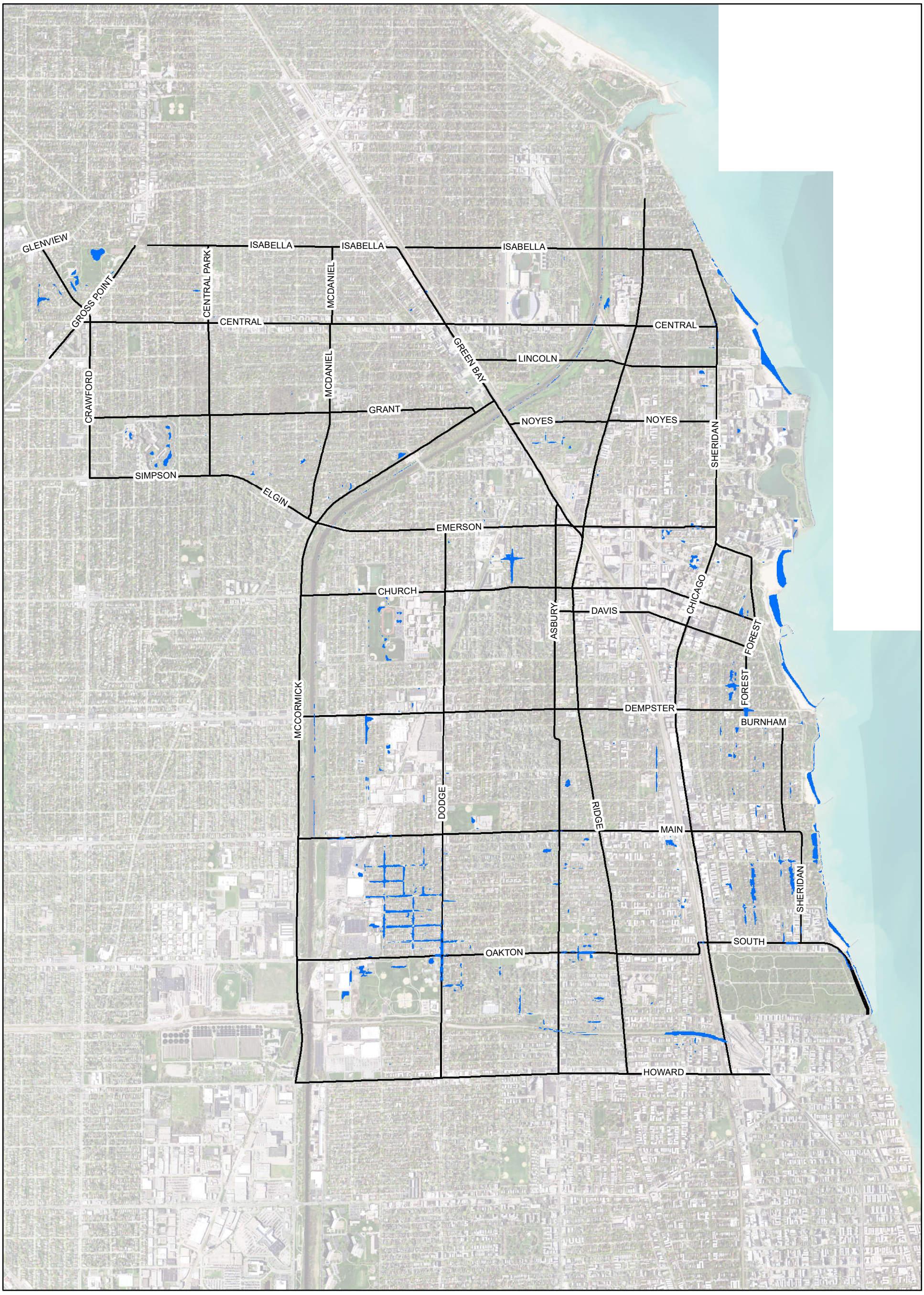
2017 Aerial

Exhibit Title:

Sewer Surcharge Risk 100yr 12hr

Exhibit:

4.8



Scale:

0 1,000 Feet

Orientation:

Legend:

Surface Flooding Risk Area

Project Number: 19-0420

Date: 2/28/2023

Prepared by:

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture

Project Name:

Stormwater Master Plan

Prepared for:

City of Evanston

Information about exhibit:

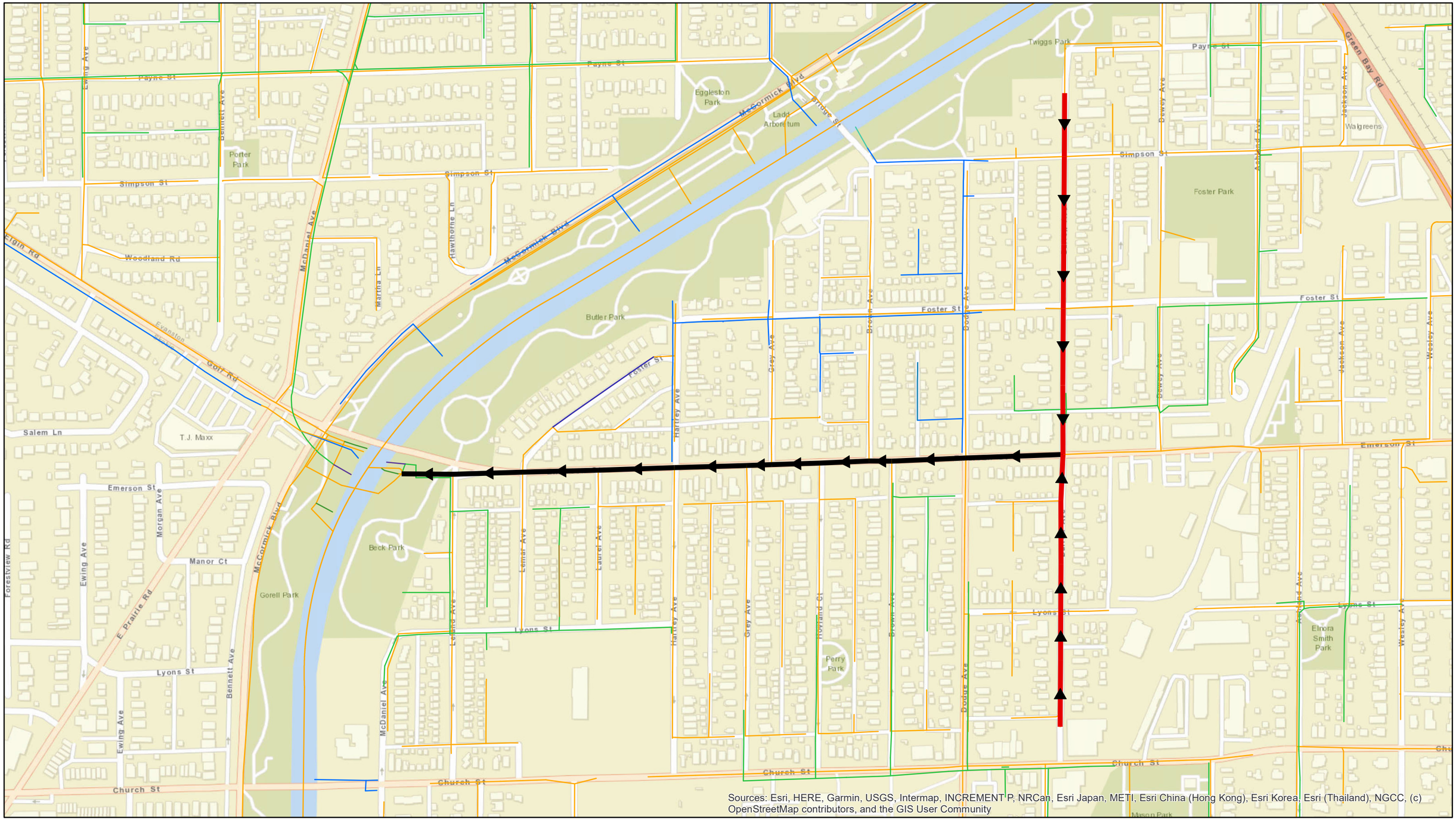
2017 Aerial

Exhibit Title:

Surface Flooding Risk 100yr 12hr

Exhibit:

4.9



Prepared by:

Hey and Associates, Inc.
Engineering, Ecology and Landscape Architecture

Scale:

0 100 200 Feet

Project Number: 19-0420

Orientation:

Date: 5/25/2023

Legend:

Existing Sewer
- Relief Sewer
- Combined Sewer
- Storm Sewer

Proposed Sewer
- Local Sewer
- Trunk Sewer

Project Name:

Stormwater Master Plan

Prepared For:

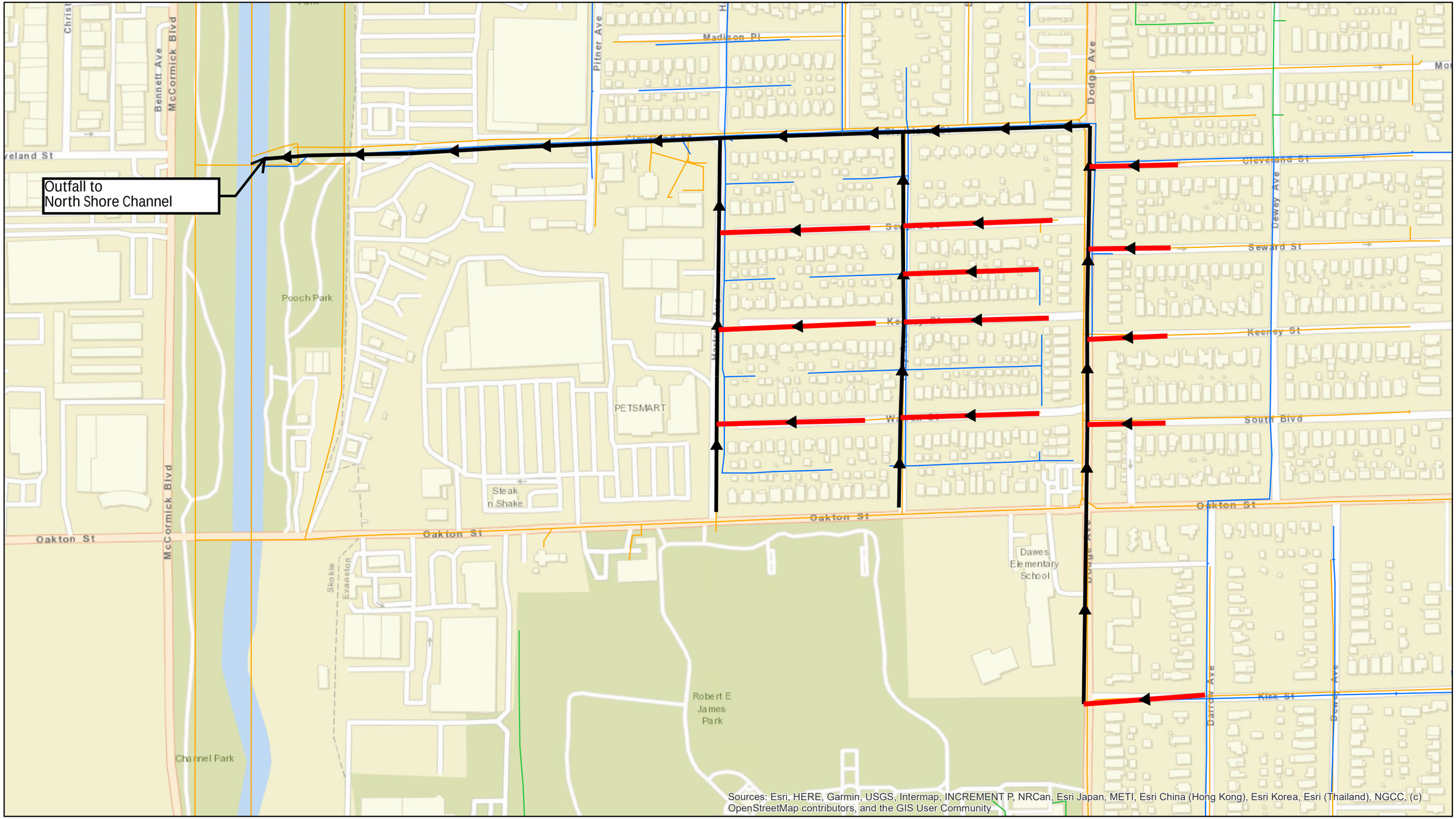
City of Evanston

Exhibit Title:

Combined Sewer Basin 07 Concept

Exhibit:

5.1



Prepared by:

Hey and Associates, Inc.
Engineering, Ecology and Landscape Architecture

Scale:

0 100 200 Feet

Project Number: 19-0420

Orientation:

Date: 5/31/2023

Legend:

Existing Sewer
- Relief Sewer
- Combined Sewer
- Storm Sewer

Proposed Sewer
- Local Sewer
- Trunk Sewer

Project Name:
Stormwater Master Plan

Prepared For:
City of Evanston

Exhibit Title:
Southwest Concept

Exhibit:
5.2



Prepared by:

Hey and Associates, Inc.
Engineering, Ecology and Landscape Architecture

Scale:

0 25 50 Feet

Project Number: 19-0420

Orientation:

Date: 5/25/2023

Legend:

Existing Sewer
- Relief Sewer
- Combined Sewer
- Storm Sewer

Proposed Sewer
- Local Sewer
- Trunk Sewer

Project Name:
Stormwater Master Plan

Prepared For:
City of Evanston

Exhibit Title:
Mason Park
Green Infrastructure Concept

Exhibit:
5.3

Appendix 1: ADS Flow Monitoring Report

City of Evanston, IL

Flow Monitoring Report

April 1, 2021 – September 1, 2021

A Division of ADS LLC

7215 East 21st Street, Suite D
Indianapolis, IN 46219
www.adsenv.com

Dear Sarah Burgess,

ADS is pleased to submit the Evanston, IL report for the 2021 flow monitoring project. This report contains monthly and weekly summary printouts for each location monitored during the study. Each location summary shows the site report created during the mobilization period, a depth vs. velocity scatter graph, flow hydrographs and tabular reports.

Please do not hesitate to contact me if you have any questions regarding the data or this report. We can be reached at (317) 357-9116.

Sincerely,

Eric Hehmann
Project Manager

An IDEX Fluid & Metering Business
Accusonic
ADS Environmental Services
Hydra-Stop

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ADS METER METHODOLOGY

Introduction

Background

Hey and Associates, Inc. entered into an agreement with ADS Environmental Services to conduct flow, level and rainfall monitoring in the City of Evanston, IL. The monitoring period began on April 1, 2021 and ended on September 1, 2021. Five (5) monitoring locations were placed in Metropolitan Water Reclamation District (MWRD) manhole structures. Due to permitting requirements, those monitoring locations were installed in early July. Those locations are marked in the Site Commentary Section. The objective of the study was to measure depth, velocity, and flows in dry and wet weather.

Project Scope

The scope of this study involved using temporary flow monitors and depth-only monitors to measure depth and velocity to quantify wastewater flow at the designated locations. A total of 23 flow monitors(with 24 pipe segments being monitored), four depth-only monitors and two rain gauges were used to quantify flow, depth and rainfall totals during the project. One location, S0901000, was a single monitor but monitored 2 incoming lines. Specifically, the study included the following key components:

- Investigate the proposed flow monitoring sites for adequate conditions
- Flow monitor, depth-only and rain gauge installations
- Confirmations and data collections
- Data QA/QC

Equipment and Methodology

Flow Quantification Methods

There are two main equations used to measure open channel flow: the Continuity Equation and the Manning Equation. The Continuity Equation, which is considered the most accurate, can be used if both depth of flow and velocity are available. In cases where velocity measurements are not available or not practical to obtain, the Manning Equation can be used to estimate velocity from the depth data based on the certain physical characteristics of the pipe (i.e. the slope and roughness of the pipe being measured). However, the Manning equation assumes uniform, steady flow hydraulic conditions with non-varying roughness, which are typically invalid assumptions in most sanitary and combined sewers. The Continuity Equation was used exclusively for this study.

Continuity Equation

The Continuity Equation states that the flow quantity (Q) is equal to the wetted area (A) multiplied by the average velocity (V) of the flow.

$$Q = A * V$$

This equation is applicable in a variety of conditions including backwater, surcharge, and reverse flow. Most modern flow monitoring equipment, including the ADS models, measure both depth and velocity. This allows for the use of the Continuity Equation to calculate flow quantities.

The Manning Equation

The Manning Equations states the following:

Mannings equation predicted flow by knowing depth of flow, slope and diameter.

$$Q = VA = \left(\frac{1.49}{n}\right) AR^{\frac{2}{3}} \sqrt{S}$$

$$Q = VA = \left(\frac{1.00}{n}\right) AR^{\frac{2}{3}} \sqrt{S}$$

Where:

Q = Flow Rate, (ft^3/s)
v = Average Velocity, (ft/s)
A = Flow Area, (ft^2)
n = Manning's Roughness Coefficient
R = Hydraulic Radius, (ft)
S = Channel Slope, (ft/ft)

Values of s and n can be approximated using "As Built" drawings or an equivalent ratio developed through a series of field confirmations.

Although the Manning Equation has been a traditional method of flow quantification, it is applicable only during uniform, steady flow conditions. Therefore, the Manning Equation is not suitable for sites that experience backwater, surcharge, or other varied unsteady flow conditions.

Flow Monitoring Equipment

The monitor model selected for this project was the ADS Triton + monitor. These flow monitors are area velocity flow monitors that use both the Continuity and Manning equations to measure flow. Additional details regarding sensor performance vs. site hydraulics are discussed in the site commentary for the monitoring location.

The ADS Triton + flow monitor consists of data acquisition sensors and a battery powered microcomputer. The microcomputer includes a processor unit, data storage, and an on-board clock to control and synchronize the sensor recordings. The monitor was programmed to acquire and store depth of flow and velocity readings.

There are two types of data acquisition sensors, the ADS quad-redundant Ultrasonic Level Sensor and the peak combination sensor. The primary depth measurement device is the ADS quad-redundant ultrasonic level sensor. The Peak Combination Sensor houses a peak Doppler velocity sensor, up-looking ultrasonic depth sensor, and a pressure depth sensor. The peak combination sensor accommodates these devices in a low profile housing.

Ultrasonic Depth Sensor

The Ultrasonic Depth Sensor mounts at the crown of the pipe and measures ultrasonic depth. This sensor first transmits an ultrasonic signal downward from one of the crystals on the sensor face that bounces off the flow surface and returns to the crystal. The monitor measures the travel time elapsed between transmission and reception of the reflected sound signal. Based on the elapsed time and the speed of sound, the monitor determines the range. The range represents the distance between the sensor face and flow surface. The monitor calculates the depth of the flow by subtracting the range from the pipe diameter. It compensates for the speed of sound in the air using the temperature recorded by the temperature sensor housed within the ultrasonic depth sensor.

Peak Combination Sensor

The Peak Combination Senor typically mounts at the bottom of the pipe and measures ultrasonic depth, pressure depth, and peak velocity using three independent sensors.

Ultrasonic Depth Sensor (upward facing)

To provide the depth of the flow, the sensor sends an ultrasonic signal upward that bounces off the water surface-air interface. The travel time from the sensor to the flow surface and back is converted to distance, which translates into depth of flow.

Pressure Depth Sensor

A pressure transducer in the Peak Combination Sensor also measures the depth of the flow over the sensor. The monitor can use this data for comparison with other depth measurement devices in less than full pipe conditions. The pressure depth sensor can also measure depths greater than full pipe that may extend up into the manhole during surcharge conditions.

Water pressure impacts a diaphragm in the transducer that varies an electrical current. This current is digitized by a sensor processor board and the value is sent to the monitor processor board. A vent tube on the back of the diaphragm equalizes for atmospheric pressure.

Peak Velocity Sensor

To obtain peak velocity, this sensor sends an ultrasonic signal at an angle up through the velocity layers in the oncoming flow. It emits a wide, omnidirectional sound wave at a specific frequency upward into the flow. The sound wave bounces off particles in the flow and returns to the sensor. The velocity sensor measures the change in sound wave frequency from transmission to reception. This change is used to determine the peak velocity of the flow based on the Doppler Effect.

The Doppler Effect describes the shift in frequency of a sound wave emitted by a moving object in relation to a stationary point. The moving objects represent particles in the flow, the stationary point is the velocity sensor, and the signal received is the reflection of the sound wave emitted by the velocity sensor off particles.

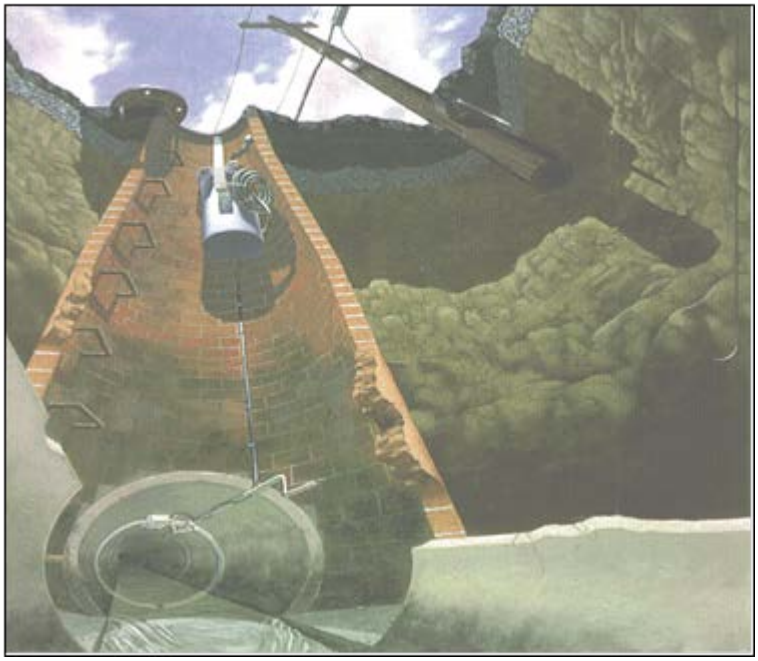
Based on this information, the sensor determines the peak velocity of the oncoming flow. ADS's analytical and data processing software calculates an average velocity from this peak by applying a user defined average to peak ratio.

Installation

Installation of flow monitoring equipment typically proceeds in four steps. First, the site is investigated for safety and to determine physical and hydraulic suitability for the flow monitoring equipment. Second, the equipment is physically installed at the selected location. Third, the monitor is tested to assure proper operation of the velocity and depth of flow sensors. The monitor's clock will be checked for functionality and synchronized to the master computer clock. Fourth, the depth and velocity sensors are confirmed and line confirmations are performed. A typical flow monitor installation is shown in Figure 1.

The installation depicted in Figure 1 is typical for circular or oval pipes up to approximately 104 inches in diameter or height. In pipes 42 inches or less in diameter, the depth and velocity sensors are mounted on an expandable stainless steel ring. This ring is installed one to two pipe diameters upstream of the pipe/manhole connection in the incoming sewer pipe. This reduces the affects of turbulence and backwater caused by the connection. In pipes larger than 42 inches in diameter, a special installation using two sections of the ring is installed one to two feet upstream of the pipe/manhole connection. One section is bolted to the crown of the pipe for the depth sensor and the second section is bolted to the bottom of the pipe for the velocity sensor. Bolts are usually installed just above the water line.

Figure 1



Data Collection, Confirmation, and Quality Assurance

During the monitoring period, field crews visit each monitoring location to retrieve data, verify proper monitor operation, and document field conditions. The following quality assurance steps are taken to assure the integrity of the data collected:

- **Measure Power Supply:** The monitor is powered by a dry cell battery pack. Power levels are recorded and battery packs replaced, if necessary. A separate battery provides back up power to memory, which allows the primary battery to be replaced without the loss of data.

- **Perform Pipe Line Confirmations and Confirm Depth and Velocity:** Once equipment and sensor installation is accomplished, a member of the field crew descends into the manhole to perform a field measurement of depth and velocity. These measurements are then compared to monitor readings to make sure that they are in agreement. Since the ADS velocity sensor measure peak velocity in the wetted cross-sectional area of flow, velocity profiles are also taken to develop a relationship between peak and average velocity in lines that meet the hydraulic criteria.

- **Measure Silt Level:** During site confirmation, a member of the field crew descends into the manhole and measures the depth of the silt in the bottom of the pipe. This data is used to compute the true area of flow.

- **Confirm Monitor Synchronization:** The field crew checks the flow monitor's clock for accuracy.

- **Upload and Review Data:** Data collected by the monitor is uploaded and reviewed for comparison with previous data. All readings are checked for consistency and screened for deviations in the flow pattern, which can indicate system anomalies or equipment failure.

Data Analysis and Presentation

Data QA/QC

A flow monitor is typically programmed to collect data at either 15 minute or 5 minute intervals throughout the monitoring period. The monitor stores raw data consisting of the air range (distance from the sensor to the top of flow) for each active ultrasonic depth sensor pair and peak velocity. If the monitor is equipped with a pressure sensor, then a depth reading from this sensor may also be stored. When the field personnel collect the data, the air range is converted to depth data based on the pipe height and physical offset (measurement of from the top of the pipe to the surface of the downward facing ultra sonic sensor). The data is imported into ADS's proprietary software and is examined by a data analyst to verify its integrity. The data analyst also reviews the daily field reports and site visit records to identify conditions that would affect the collected data.

Velocity profiles and the line confirmation data developed by the field personnel are reviewed by the data analyst to identify inconsistencies and verify data integrity. Velocity profiles are reviewed and an average peak velocity ratio is calculated for the site. This ratio is used in converting the peak velocity measured by the sensor to the average velocity used in the Continuity equation. The data analyst selects which depth sensor entity will be used to calculate the final depth information. Silt levels present at each site visit are reviewed and representative silt levels established.

Selections for the above parameters can be constant or can change during the monitoring period. While the data analysis process is described in a linear manner, it often requires an iterative approach to accurately complete.

Data Presentation

This type of flow monitoring project generates a large volume of data. To facilitate the review of the data, results have been provided in graphical and tabular formats. The flow data is presented graphically in the form of scattergraphs and hydrographs. The following explanation of terms may aid in interpretation of tables and hydrographs.

DFINAL – Final calculated depth measurement (in inches)

QFINAL – Final calculated flow rate (in MGD)

VFINAL - Final calculated flow velocity (in feet per second)

REPORT TOTAL – Total volume of flow recorded for the indicated time period. (in MG)

Site Commentary

23 Flow Monitors, 4 Level Monitors & 2 Rain Gauges

Evanston_B040200024 - This site exhibited a regular repeatable diurnal flow pattern. The velocity and depth relationship were maintained during dry day readings. At higher depths, the velocity seemed to slow down around the 8" mark. A high surcharge depth of 43" was recorded on June 20th.

Evanston_B040200048 - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship that was maintained even at higher depth readings. A high depth of 49" was recorded on June 20th.

Evanston_B0502000 - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship that was maintained in surcharge conditions. A high surcharge depth of 22" was recorded on June 20th.

Evanston_B0603500 - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship with the velocity starting to slow around 38". A high depth of 54" was recorded on June 20th.

Evanston_B0702000(MWRD Location) - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship that was maintained even at higher depth readings. A high depth of 34" was recorded on August 10th.

Evanston_B0902000 - This site exhibited a regular repeatable diurnal flow pattern with possible orifice flow pattern during events. At around 4 inches, the velocity starts to decrease as the depth gets higher. When that depths reaches about 10", the velocity increases as the depths do. Temporary downstream obstructions were observed during the monitoring period. A high depth of 33" was recorded on June 20th.

Evanston_B1101300 - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship with the velocity starting to slow around 7". A high depth of 33" was recorded on June 20th.

Evanston_B1302000 - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship that was maintained even at higher depth readings. A high depth of 43" was recorded on June 20th.

Evanston_B1313000 - This site exhibited a regular repeatable diurnal flow pattern with backwater starting to occur around 5". Very low dry weather depths. A high surcharge depth of 75" was recorded on June 20th.

Evanston_B8104500(MWRD Location) - This site exhibited a regular repeatable diurnal flow pattern. There was a clear and stable velocity and depth relationship that was maintained in surcharge conditions. A high surcharge depth of 70" was recorded on August 24th.

Evanston_B8201400(MWRD Location) - This site exhibited a regular repeatable diurnal flow pattern. There was a stable velocity and depth relationship that was maintained even at higher depth readings. A high depth of 71" was recorded on August 10th.

Evanston_B8305500(MWRD Location) - This site exhibited a regular repeatable diurnal flow pattern. The velocity and depth relationship was maintained through surcharge conditions. A high surcharge depth of 71" was recorded on August 24th.

Evanston_B8405000(MWRD Location) - This site exhibited a regular repeatable diurnal flow pattern. The velocity and depth relationship was maintained in surcharge conditions. Quick rain induced responses. A high surcharge depth of 62" was recorded on August 24th.

Evanston_S0600110 - This site had low slow flows during dry weather with a good rain response. Data during dry weather could have a little more variability than intended due to the site hydraulics. There was a stable velocity and depth relationship that was maintained during higher depth readings. A high depth of 30.8" was reached on June 20th.

Evanston_S0602300 - This site exhibited a regular repeatable diurnal flow pattern. The most intense rain period during this study occurred between June 20th – July 1st. This site experienced several high depth responses including full pipe events during this time. A high surcharge depth of 143.3" was recorded June 20th.

Evanston_S0701090 - This site exhibited a regular repeatable diurnal flow pattern. Low depth made some of the data more erratic than desired. The most intense rain period during this study occurred between June 20th – July 1st. This site experienced several high depths including full pipe events during this time. A high surcharge depth of 178" was recorded June 26th.

Evanston_S0901000 – This location had two monitoring point to monitor the two incoming lines:

Monitoring Point 1 – Monitoring the 30" line from the South. This site had standing depth but did not have constant velocity during dry weather. When the velocity did respond, the velocity and depth relationship was maintained even during surcharge readings. This had a large rain response with the largest surcharge depth of 139" on June 20th.

Monitoring Point 2 – Monitoring the 21" from the North. This site had standing depth but did not have constant velocity during dry weather. This had a large rain response with the largest surcharge depth of 142" on June 20th.

Evanston_S1000500 - This site exhibited a regular repeatable diurnal flow pattern with a large rain response. A high surcharge depth of 117" was recorded June 20th. On June 26th, the site went to full pipe and stayed there until July 1st.

Evanston_S1100130 - This site exhibited a regular repeatable diurnal flow pattern. The velocity and depth relationship turned into backwater conditions around the 15" mark. The velocity did seem to increase again at 22". A surcharge high depth of 82.6" was recorded June 20th.

Evanston_S1300205 - This site had a good amount of standing depth but did not have constant velocity during dry weather. This made dry weather data more erratic than desired. When the velocity did respond, it had a good depth relationship. This has a large rain response with the highest surcharge depth of 115.9" on June 20th

Evanston_S8100175 - This site had low slow flows during dry weather with a good rain response. The velocity and depth relationship were maintained during dry day readings. A high depth of 27.4" was reached on June 20th.

Evanston_S8201010 - This site had standing depth but did not have constant velocity during dry weather. The made dry weather data more erratic than desired. There was positive velocity/depth relationship when the velocity responded. This had a large rain response with the largest depth of 35.4" on June 20th.

Evanston_S8207000 – Even with low depths, this site exhibited a regular repeatable diurnal flow pattern with a large rain response. The velocity started to slow around 2.5" and picked up again around the 5" mark. A high surcharge depth of 142" was recorded June 20th and caused the sensors to read zero until July 1st.

Evanston_RG1- The largest rain event recorded was 1.65" and occurred June 20th, 2021.

Evanston_RG2- The largest rain event reordered was 1.78" and occurred June 20th, 2021.

Level Locations:

Evanston_Level03 – Dry Weather depth was zero but responded well during wet weather events. Depth data lingered after these wet weather responses. High depth of 19" was reached on June 20th.

Evanston_Level05 – Repeatable dry weather depths with a diurnal pattern with a distinct wet weather response. Depth data lingered after these wet weather activations. High depth of 57" was reached on June 20th.

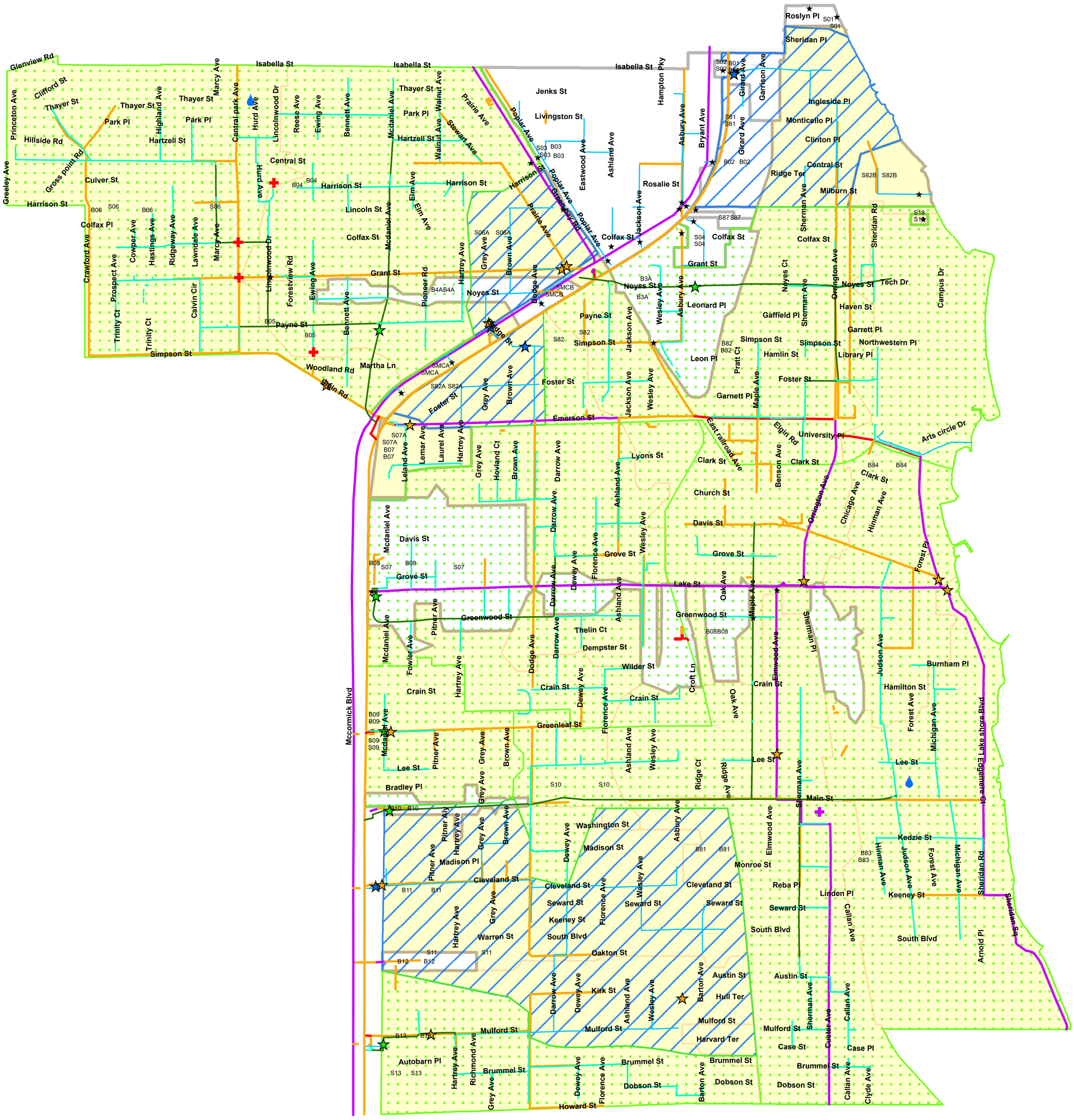
Evanston_Level03 – Repeatable dry weather depths with a diurnal pattern with a distinct wet weather response. Depth data lingered after these wet weather activations. High depth of 69" was reached on June 20th.

Evanston_Level03 – Repeatable dry weather depths with a diurnal pattern with a distinct wet weather response. Depth data lingered after these wet weather activations. High depth of 11" was reached on June 20th.

Evanston_Demomain - Dry weather data was zero. This location was to be monitoring possible street flooding during wet weather events. It appears to have captured a few responses with a high depth of 11" on June 20th. Dry weather data could be suspect due to the unique nature of this location.

General Comments:

Several locations had the generalized comment "velocities started to slow around" a certain depth. This depth was typically determined by reviewing the scattergraph. This slowdown is usually caused by a downstream restriction. These downstream restrictions can be caused by numerous factors. Debris buildup, roots, offset pipe joints, pipe junctions, and weir structures are just a few of the potential reasons that can cause these slowdowns to occur.


Glenview Rd
Isabella St
Isabella St
Isabella St
Clifford St
Thayer St
Thayer St
Thayer St
Thayer St
Princeton Ave
Park Pl
Park Pl
Hillside Rd
Highland Ave
Hartzell St
Marcy Ave
Central park Ave
Hurd Ave
Lincolnwood Dr
Reese Ave
Ewing Ave
Bennett Ave
Mcdaniel Ave
Walnut Ave
Prairie Ave
Poplar Ave
Jenks St
Livingston St
Eastwood Ave
Ashland Ave
Hampton Pky
Ashbury Ave
Bryant Ave
Girard Ave
Garrison Ave
Roslyn Pl
Sheridan Pl
Ingleside Pl
Monticello Pl
Clinton Pl
Central St
Ridge Ter
Milburn St
Rosalie St
Sherman Ave
Sheridan Rd
Greeley Ave
Gross point Rd
Culver St
Harrison St
Harrison St
Harrison St
Harrison St
Lincoln St
Colfax Pl
Colfax St
Colfax St
Colfax St
Colfax St
Crawford Ave
Prospect Ave
Cowper Ave
Hastings Ave
Ridgeway Ave
Lawndale Ave
Marcy Ave
Trinity Ct
Trinity Ct
Calvin Cir
Lincolnwood Dr
Forestview Rd
Ewing Ave
Bennett Ave
Hartrey Ave
Grey Ave
Brown Ave
Pioneer Rd
Dodge Ave
Grant St
Noyes St
Noyes St
Noyes St
Noyes Ct
Orrington Ave
Tech Dr
Haven St
Campus Dr
Leonard Pl
Gaffield Pl
Garrett Pl
Northwestern Pl
Library Pl
Payne St
Payne St
Simpson St
Simpson St
Simpson St
Simpson St
Hamlin St
Leon Pl
Pratt Ct
Maple Ave
Foster St
Foster St
Garnett Pl
Woodland Rd
Martha Ln
Bridge St
Jackson Ave
Wesley Ave
Asbury Ave
Emerson St
Elgin Rd
Elgin Rd
East railroad Ave
University Pl
Arts circle Dr
Lyons St
Clark St
Clark St
Clark St
Benson Ave
Church St
Davis St
Davis St
Grove St
Grove St
Grove St
Lake St
Oak Ave
Maple Ave
Orrington Ave
Chicago Ave
Hinman Ave
Forest Pl
Mccormick Blvd
Mcdaniel Ave
Greenleaf St
Greenwood St
Greenwood St
Thelin Ct
Dempster St
Wilder St
Crain St
Crain St
Crain St
Crain St
Croft Ln
Ridge Ct
Ridge Ave
Sherman Pl
Judson Ave
Burnham Pl
Hamilton St
Forest Ave
Michigan Ave
Lee St
Lee St
Lee St
Bradley Pl
Main St
Washington St
Madison St
Madison Pl
Cleveland St
Cleveland St
Cleveland St
Monroe St
Reba Pl
Linden Pl
Seward St
Seward St
Seward St
Seward St
Keeney St
Keeney St
Callan Ave
South Blvd
South Blvd
South Blvd
Oakton St
Warren St
Kirk St
Austin St
Austin St
Hull Ter
Mulford St
Mulford St
Mulford St
Harvard Ter
Case St
Case Pl
Brummel St
Brummel St
Brummel St
Dobson St
Dobson St
Dobson St
Howard St
Autobarn Pl
Richmond Ave
Clyde Ave
Custer Ave
Arnold Pl
Sheridan Sq
Lake shore Blvd
Kedzie St
Tech Dr
Pitner Ave
Pitner Alley
Hartrey Ave
Grey Ave
Brown Ave
Dewey Ave
Florence Ave
Ashland Ave
Wesley Ave
Darrow Ave
Barton Ave
Oak Ave
Elmwood Ave
Sherman Ave
Custer Ave
Callan Ave
Hinman Ave
Judson Ave
Forest Ave
Michigan Ave
Sheridan Rd
Lake shore Blvd
Leland Ave
Lemar Ave
Laurel Ave
Howland Ct
Fowler Ave
Pitner Ave
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Monticello Pl
Clinton Pl
Central St
Roslyn Pl
Sheridan Pl
Rosalie St
Sherman Ave
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Oak Ave
Maple Ave
Orrington Ave
Chicago Ave
Hinman Ave
Forest Pl
Judson Ave
Burnham Pl
Hamilton St
Forest Ave
Michigan Ave
Lee St
Main St
Kedzie St
Keeney St
Sheridan Sq
Arnold Pl
Callan Ave
Custer Ave
Clyde Ave
Sherman Pl
Elmwood Ave
Monroe St
Reba Pl
Linden Pl
Seward St
South Blvd
Austin St
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Brummel St
Dobson St
Howard St
Hull Ter
Harvard Ter
Autobarn Pl
Richmond Ave
Clyde Ave

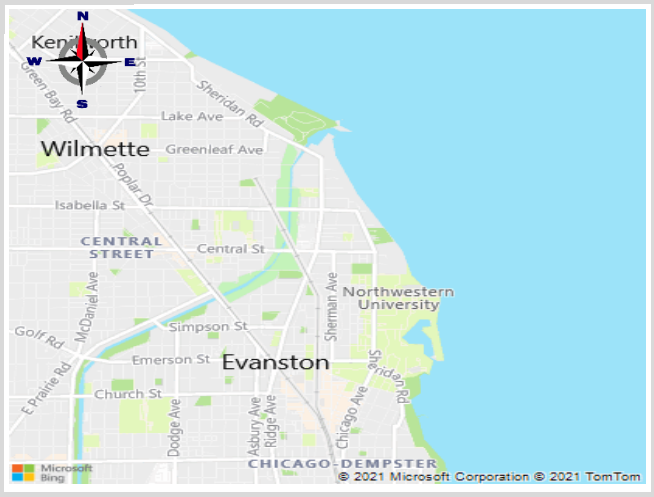
Evanston, IL

Flow Monitoring Site Report

SITE NAME

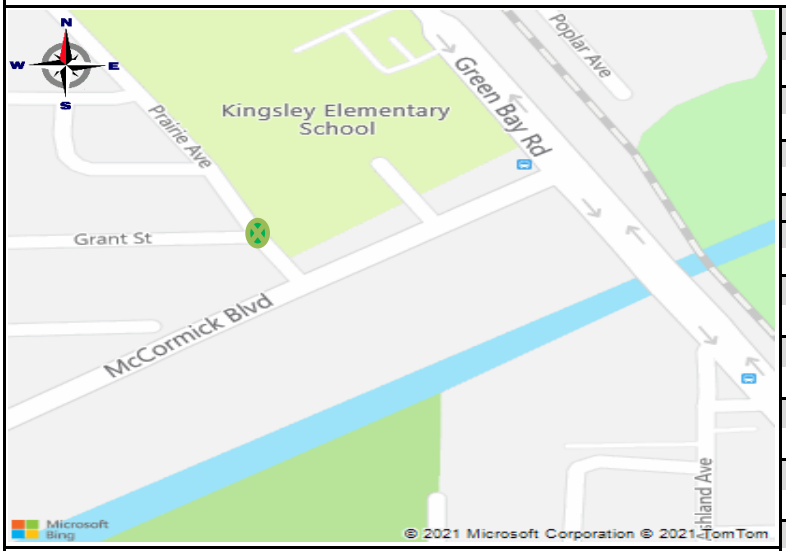
B040200024

Site Address /Location:	Intersection of Grant St. and Prairie Ave.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in road	Latitude:	42.059292	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.696734	24 x 24	Circular



Manhole #	System Characteristics
B04_02000	Residential
Access	Traffic
Drive	Medium







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Tuesday, March 30, 2021	Doppler Standard Ring and Crank
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
4:22:00 PM	24 x 24
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
3.00	19.75
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.11	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Fair

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
8.2	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Vitrified Clay Pipe	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

Upstream W	Downstream	Upstream NW
		
		

SCATTERGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

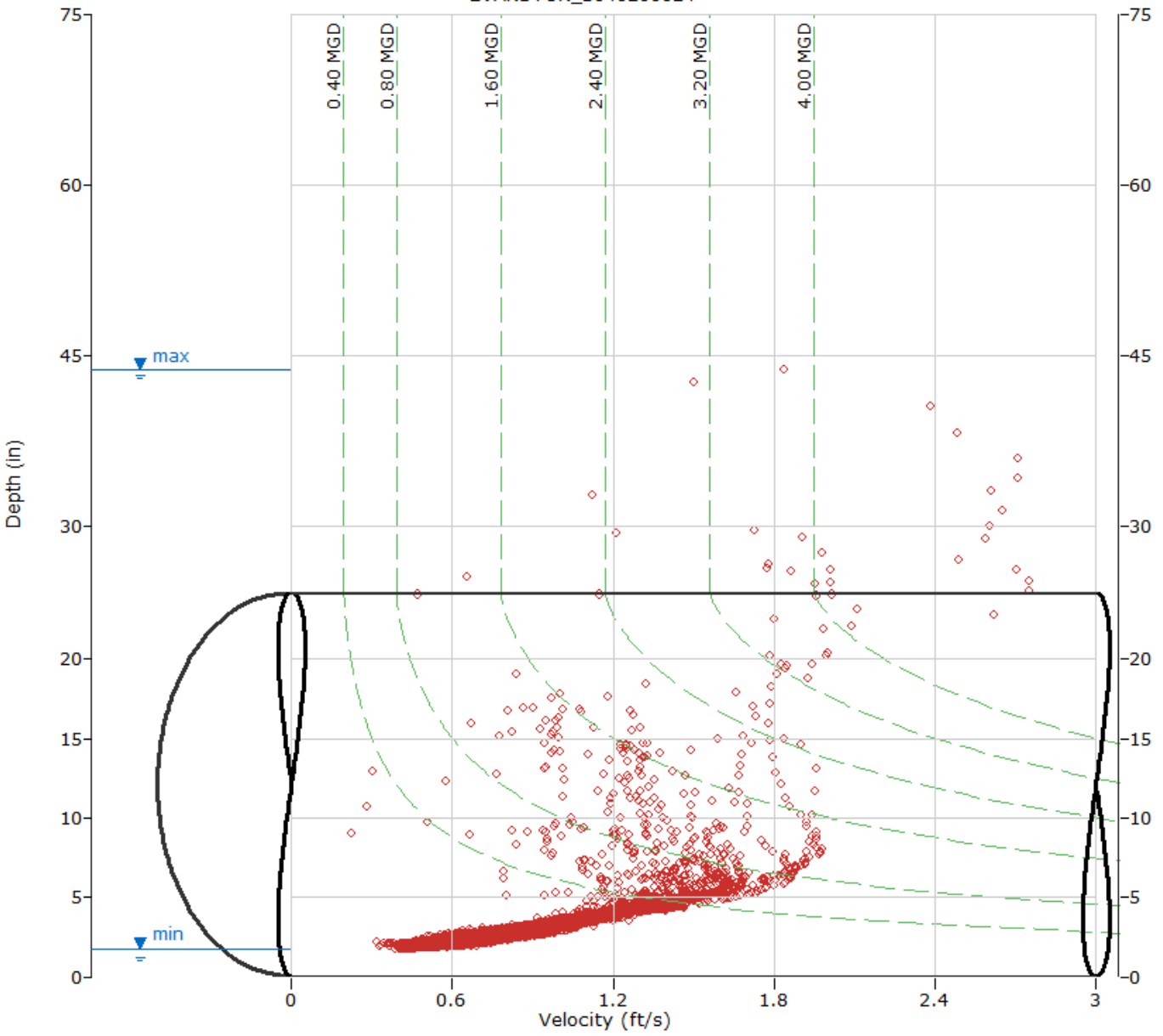
Pipe Height
24.25 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



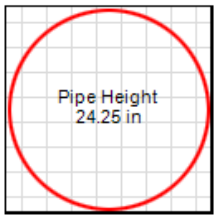
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

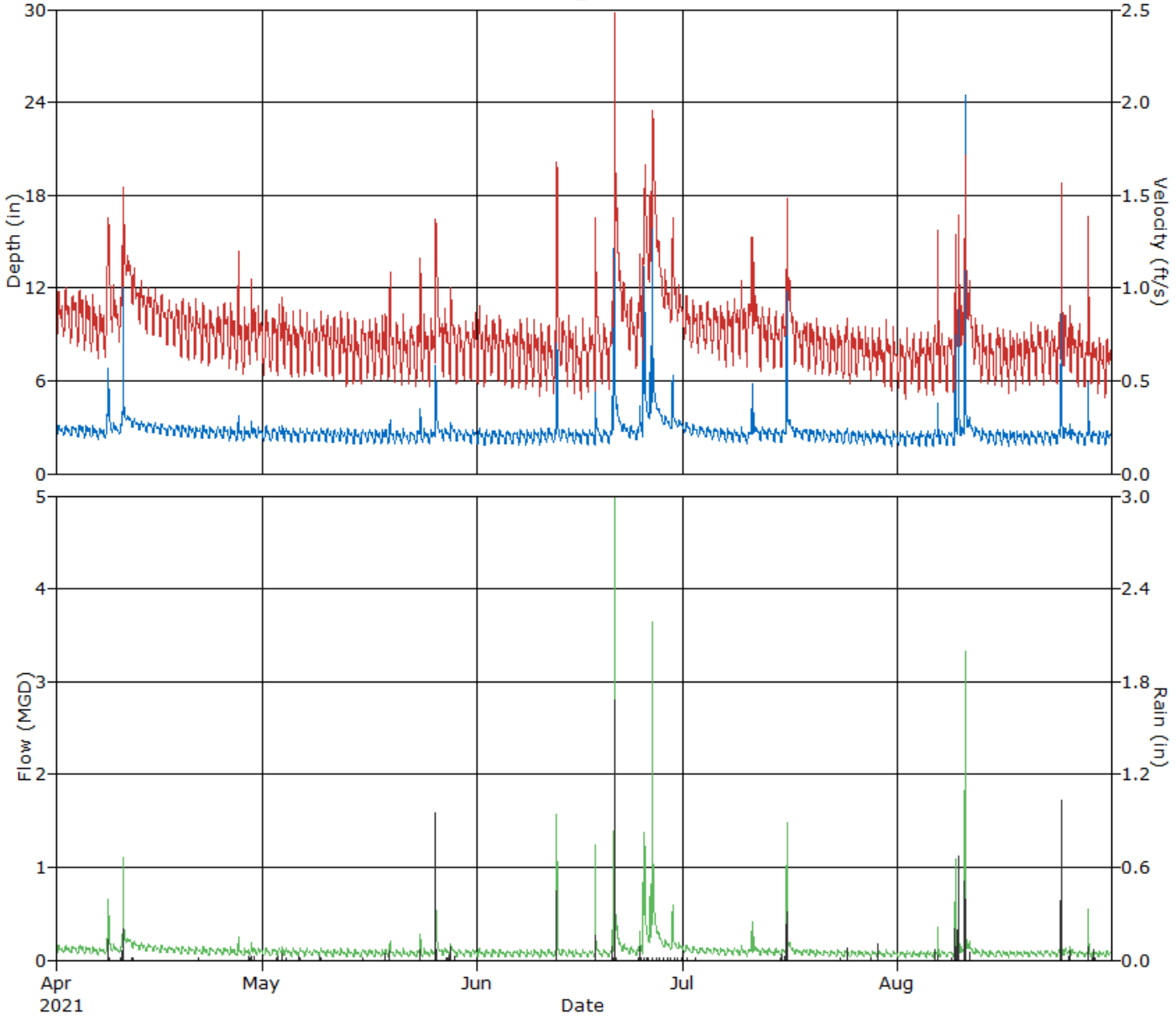


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



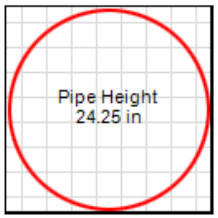
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

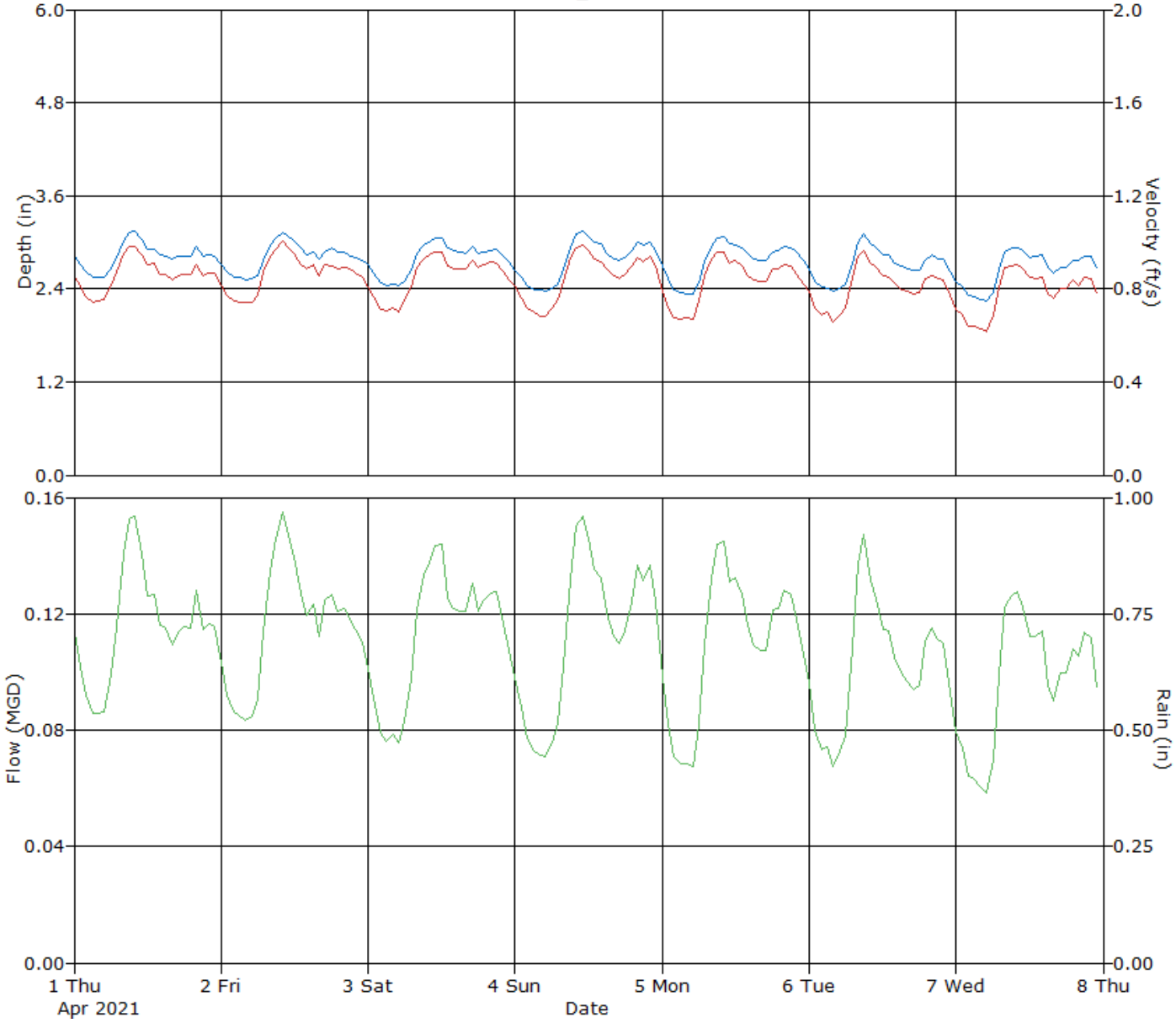


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

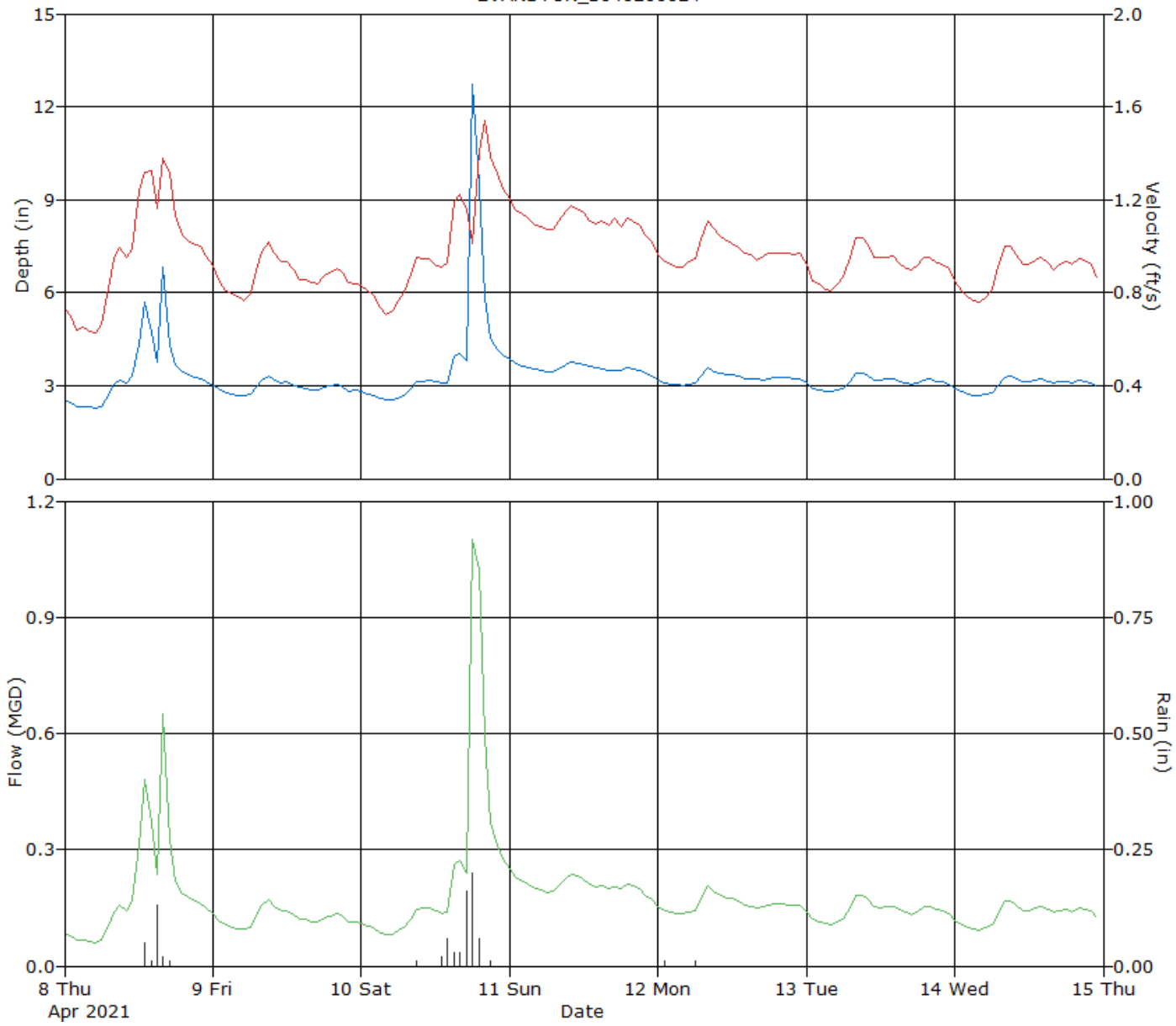
Pipe Height
24.25 in

Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

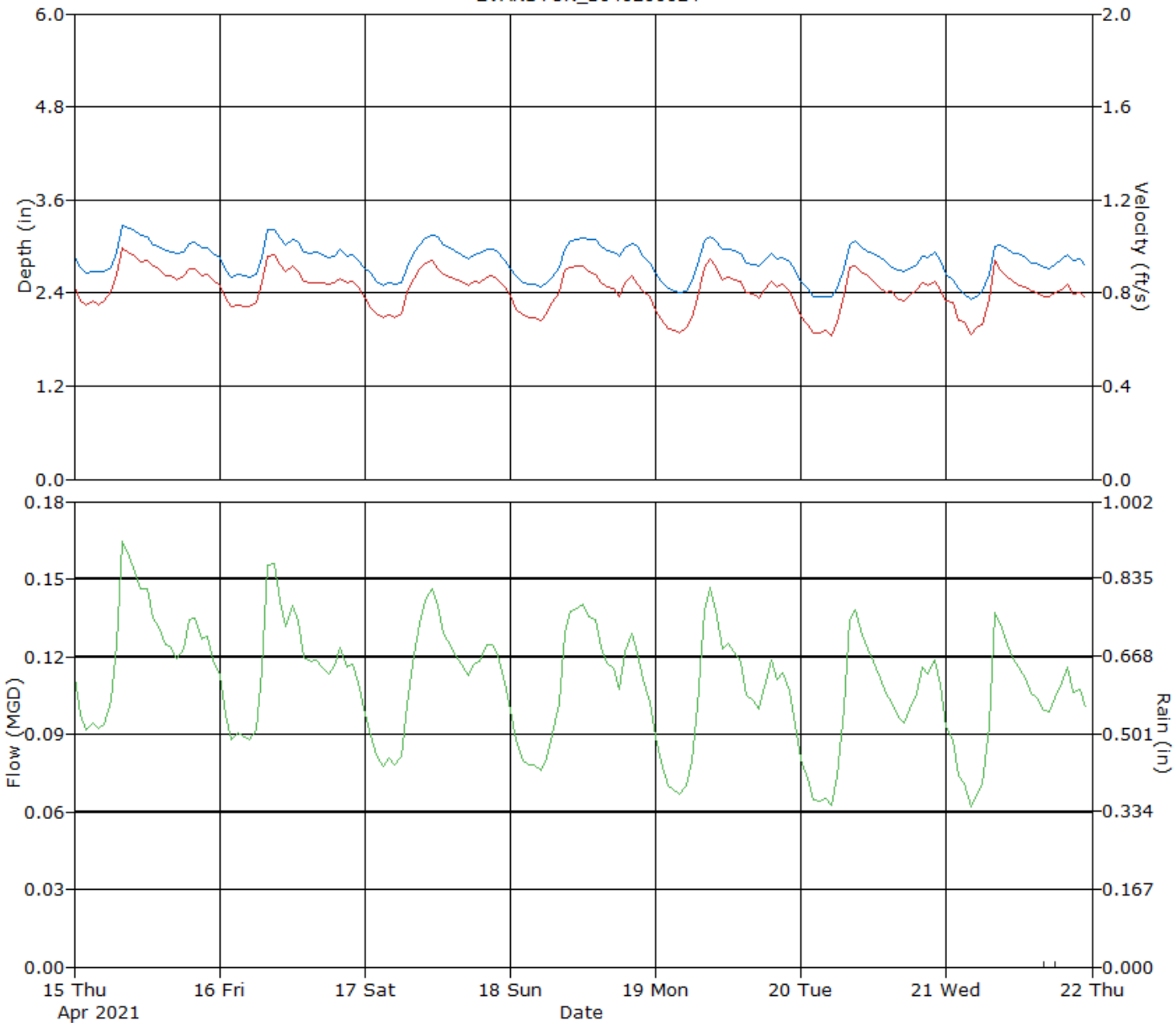
Pipe Height
24.25 in

Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

Pipe Height
24.25 in

Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

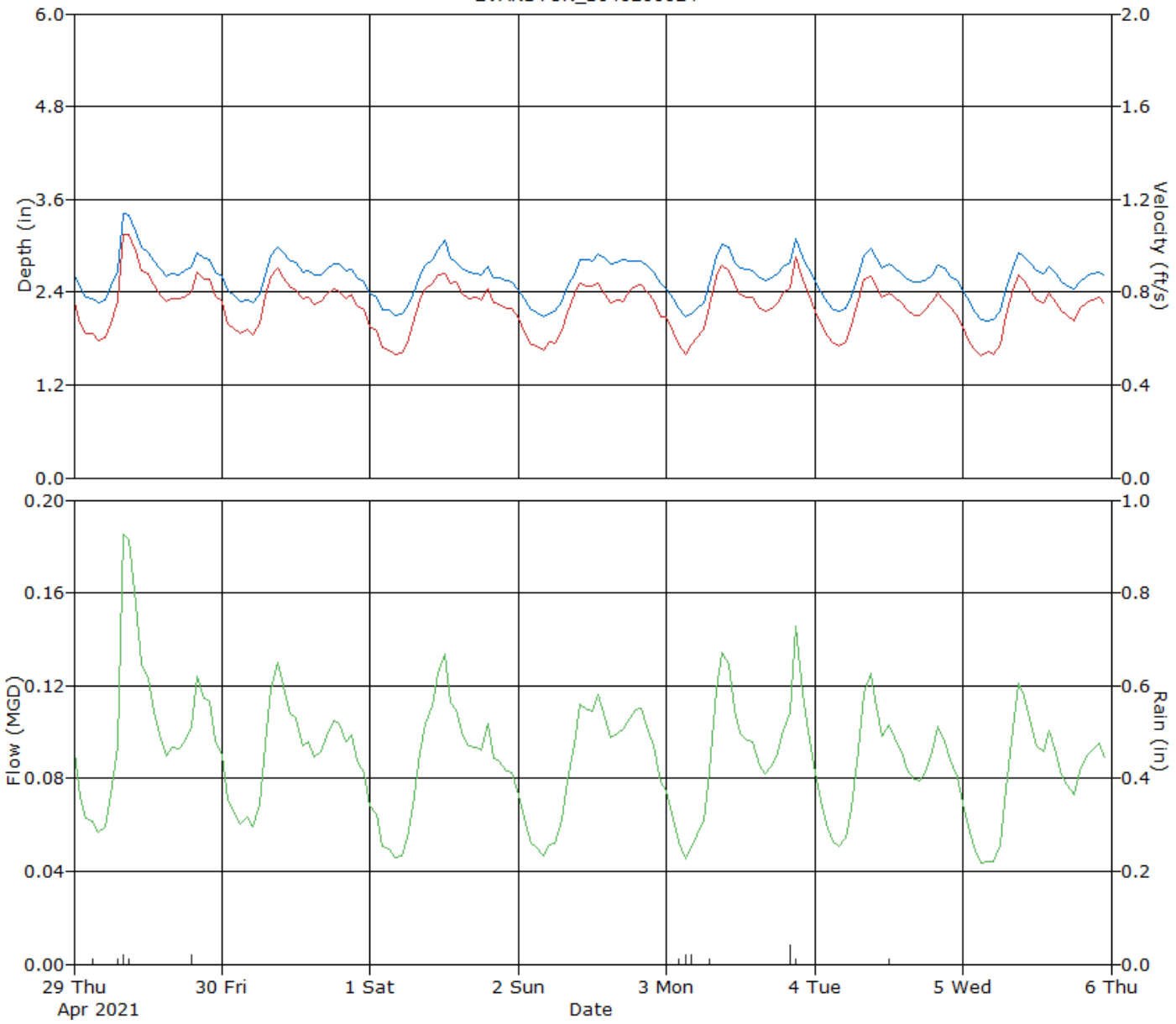
Pipe Height
24.25 in

Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



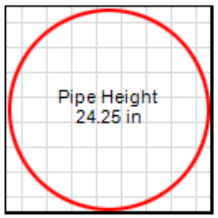
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

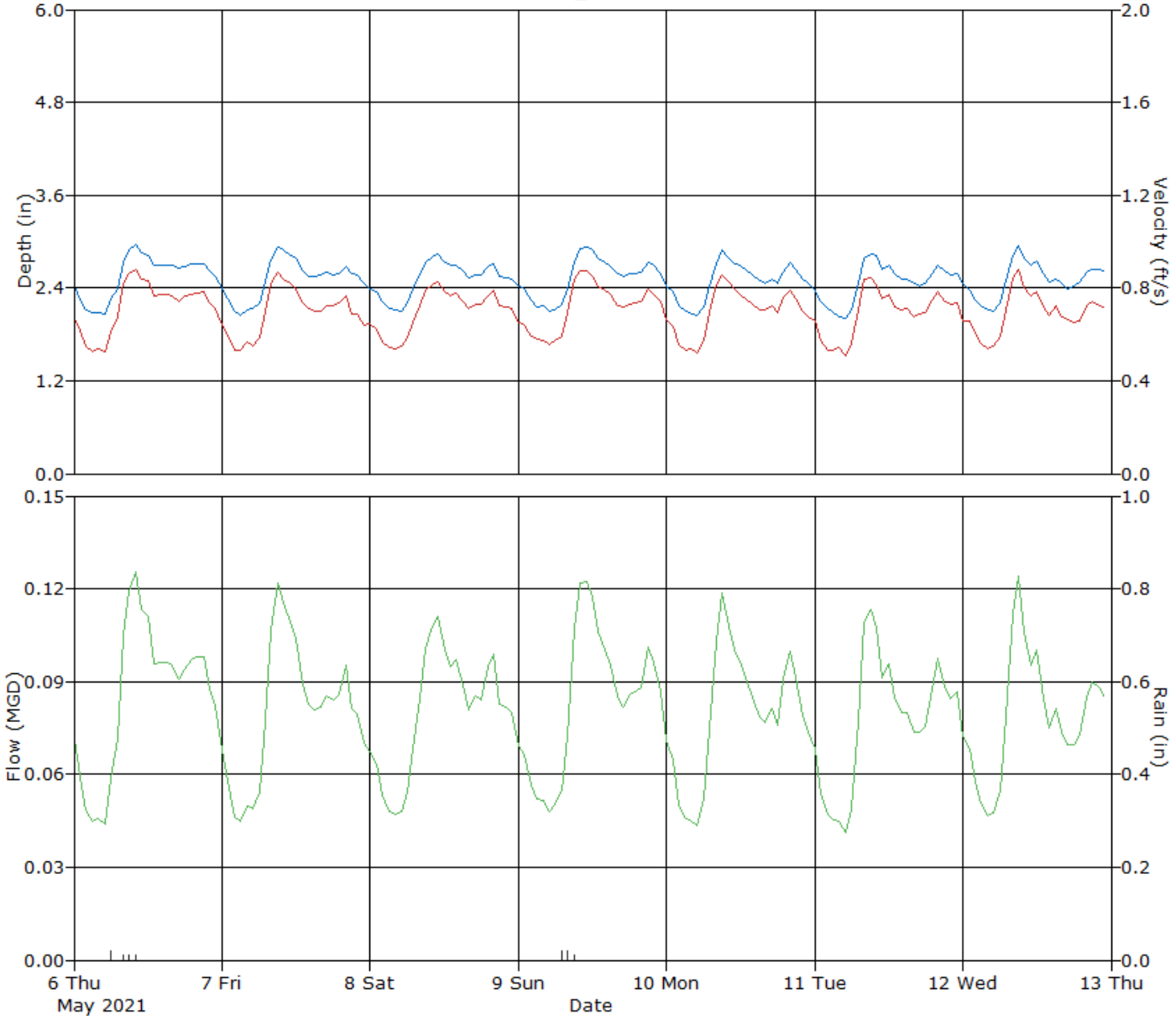


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

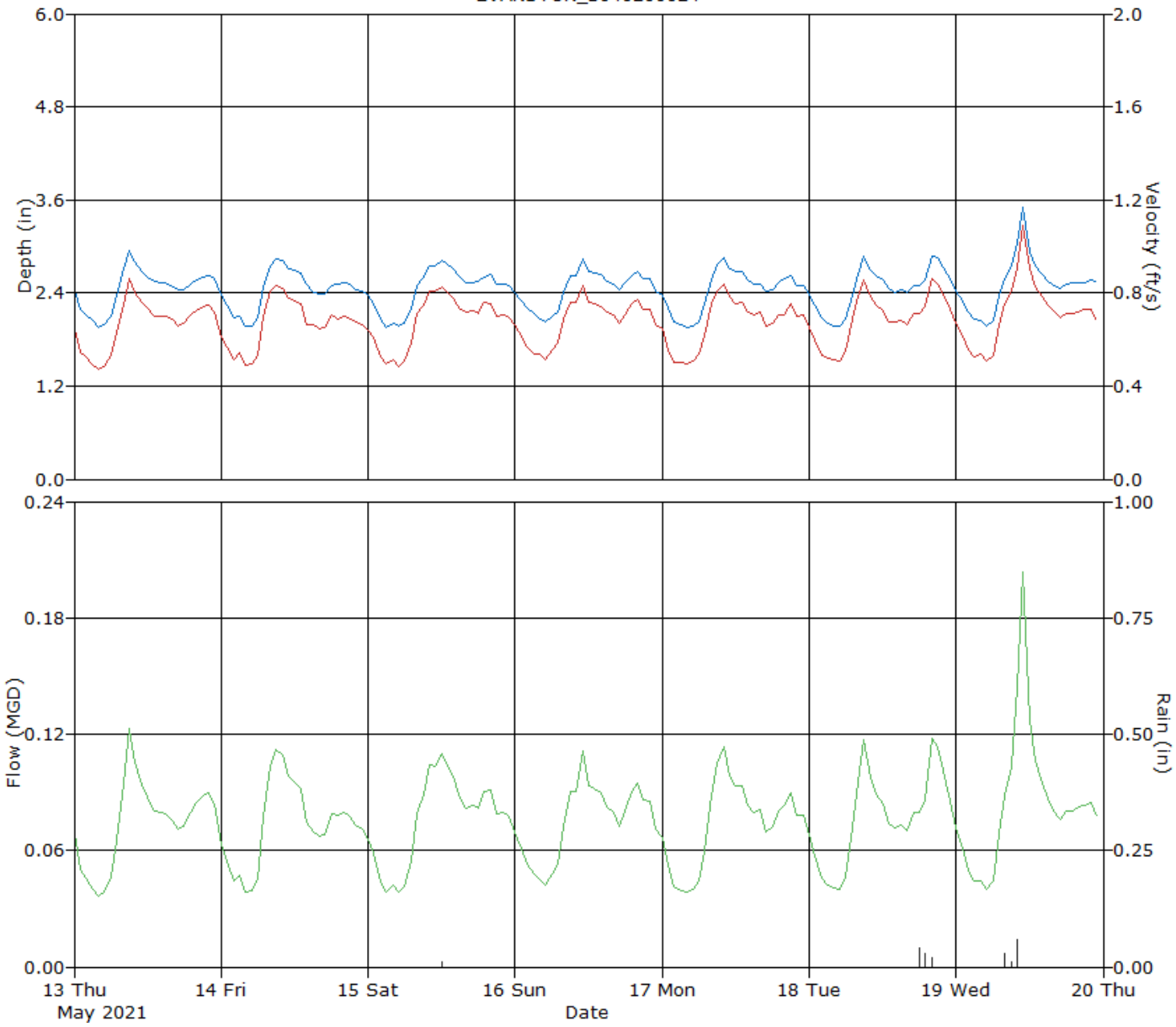
Pipe Height
24.25 in

Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



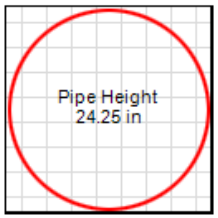
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

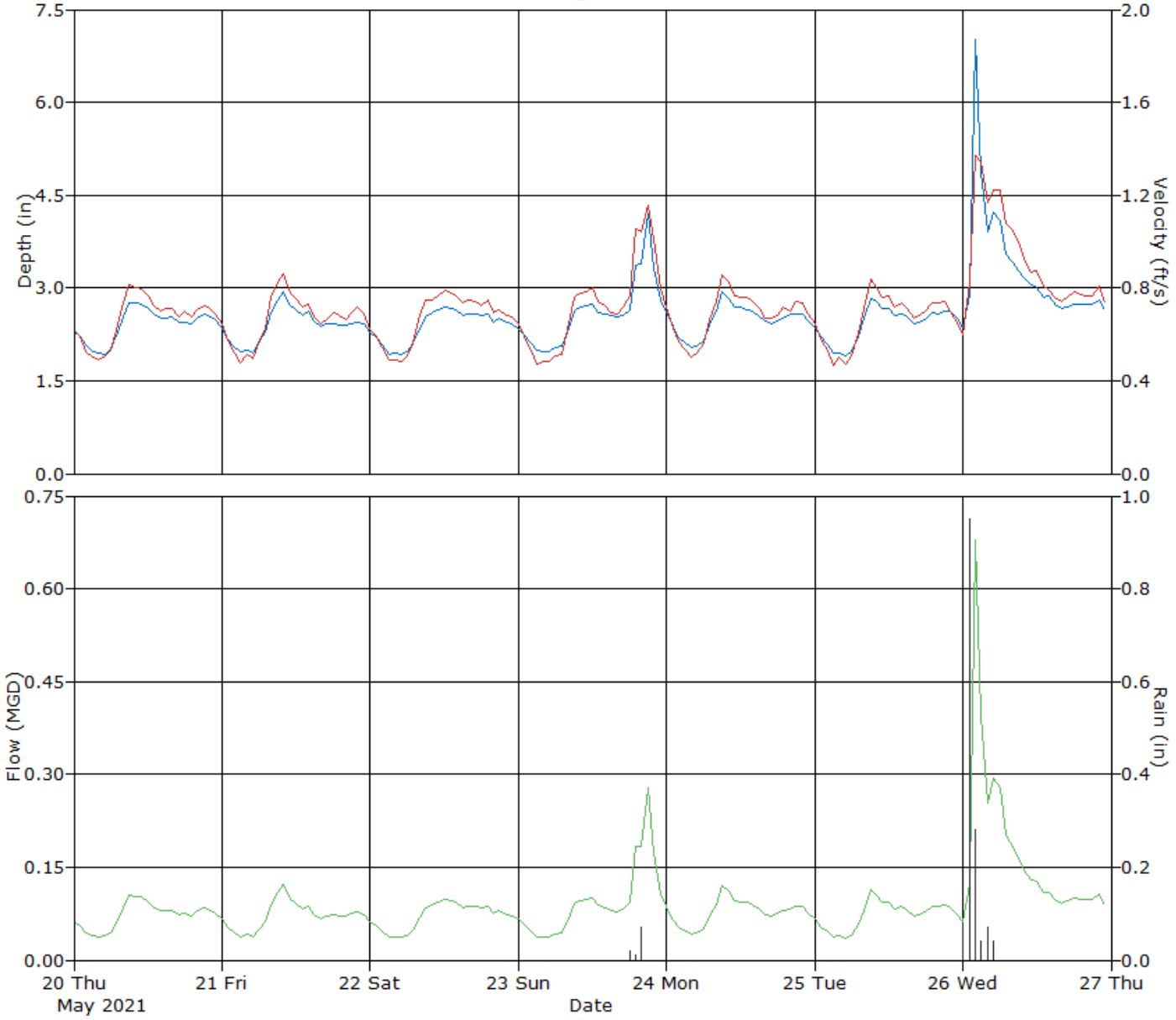


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

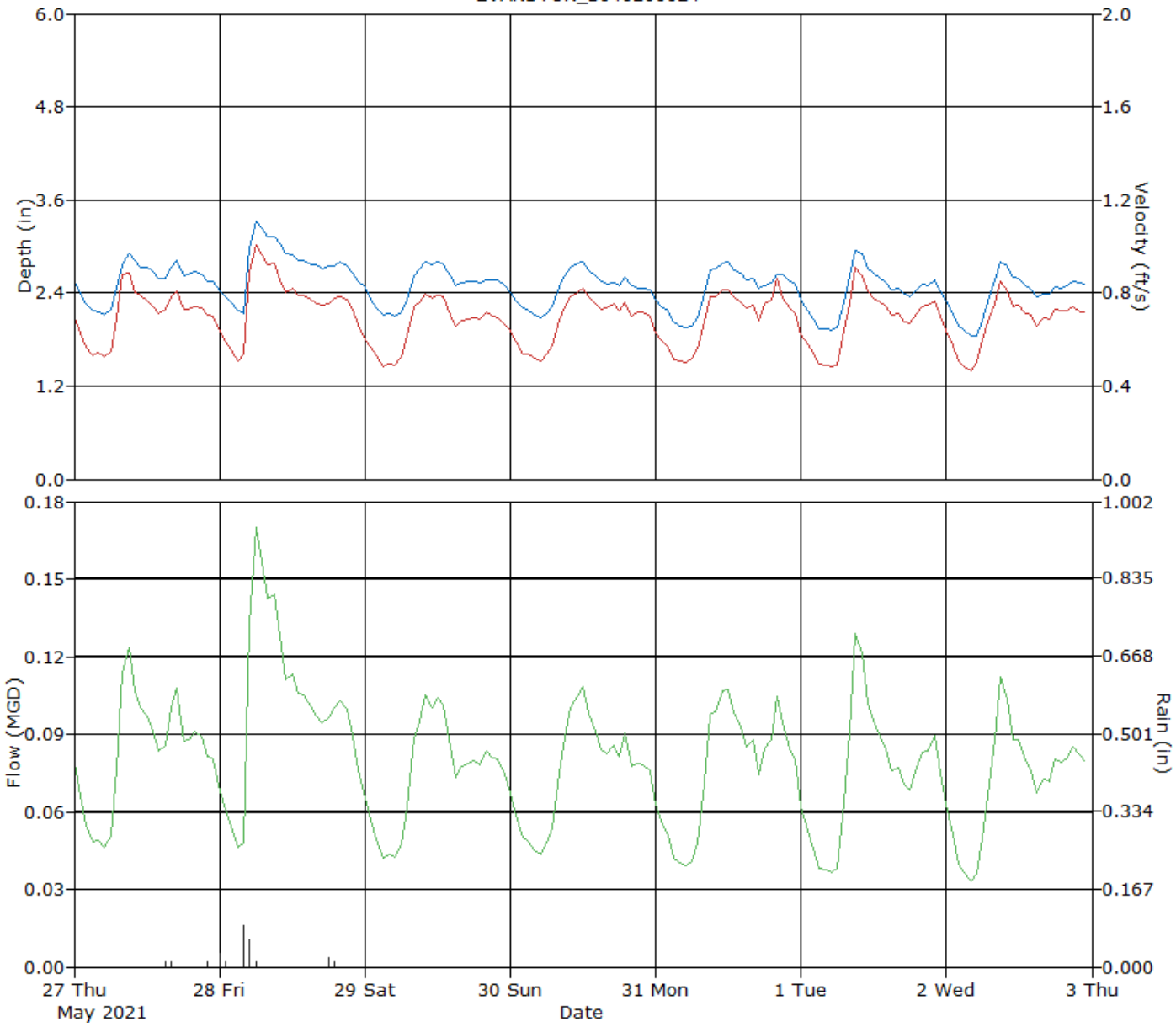
Pipe Height
24.25 in

Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



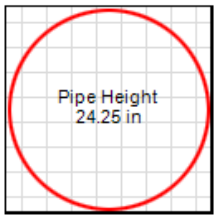
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

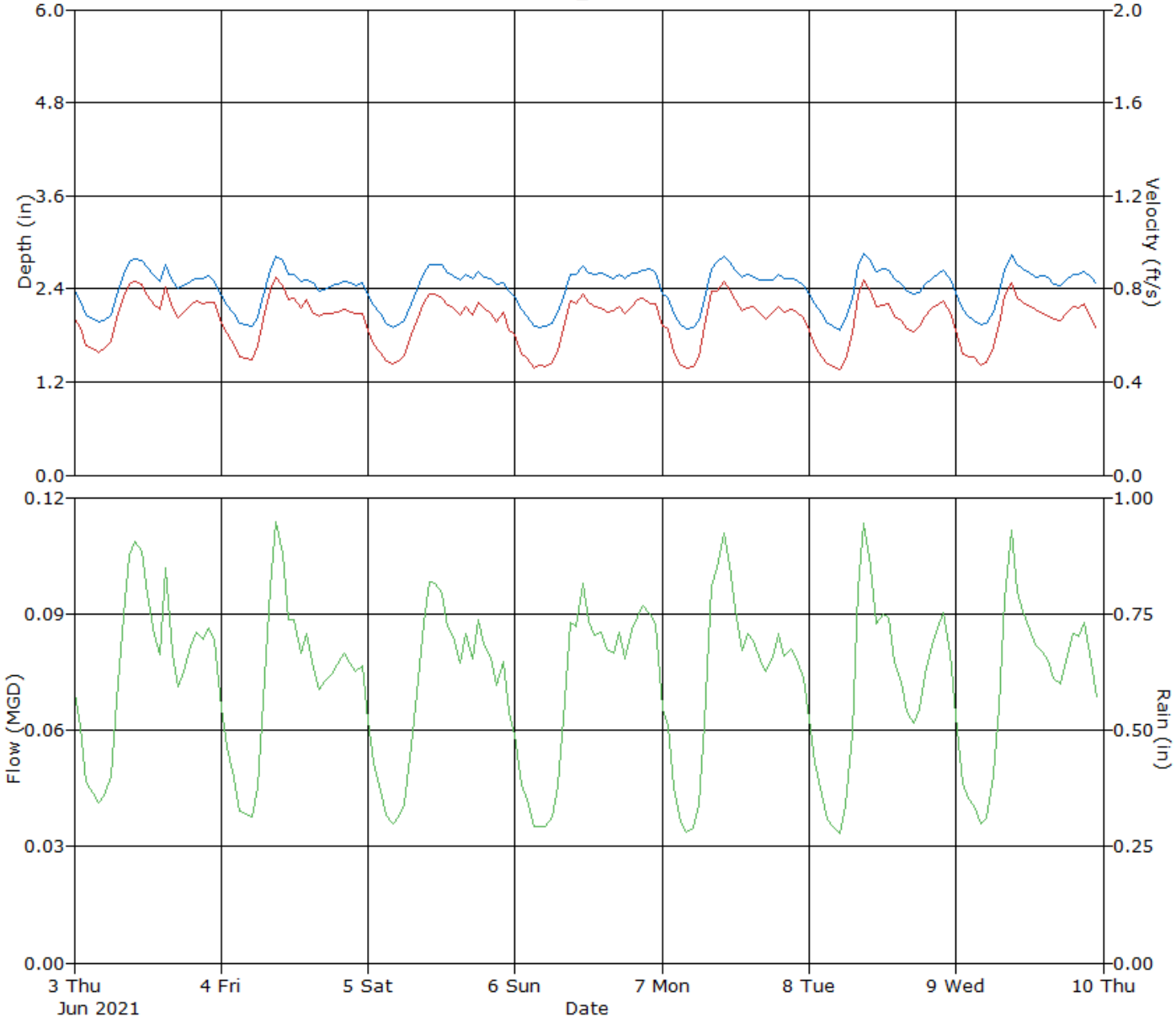


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



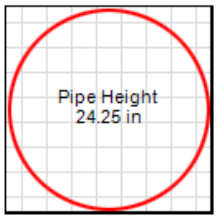
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

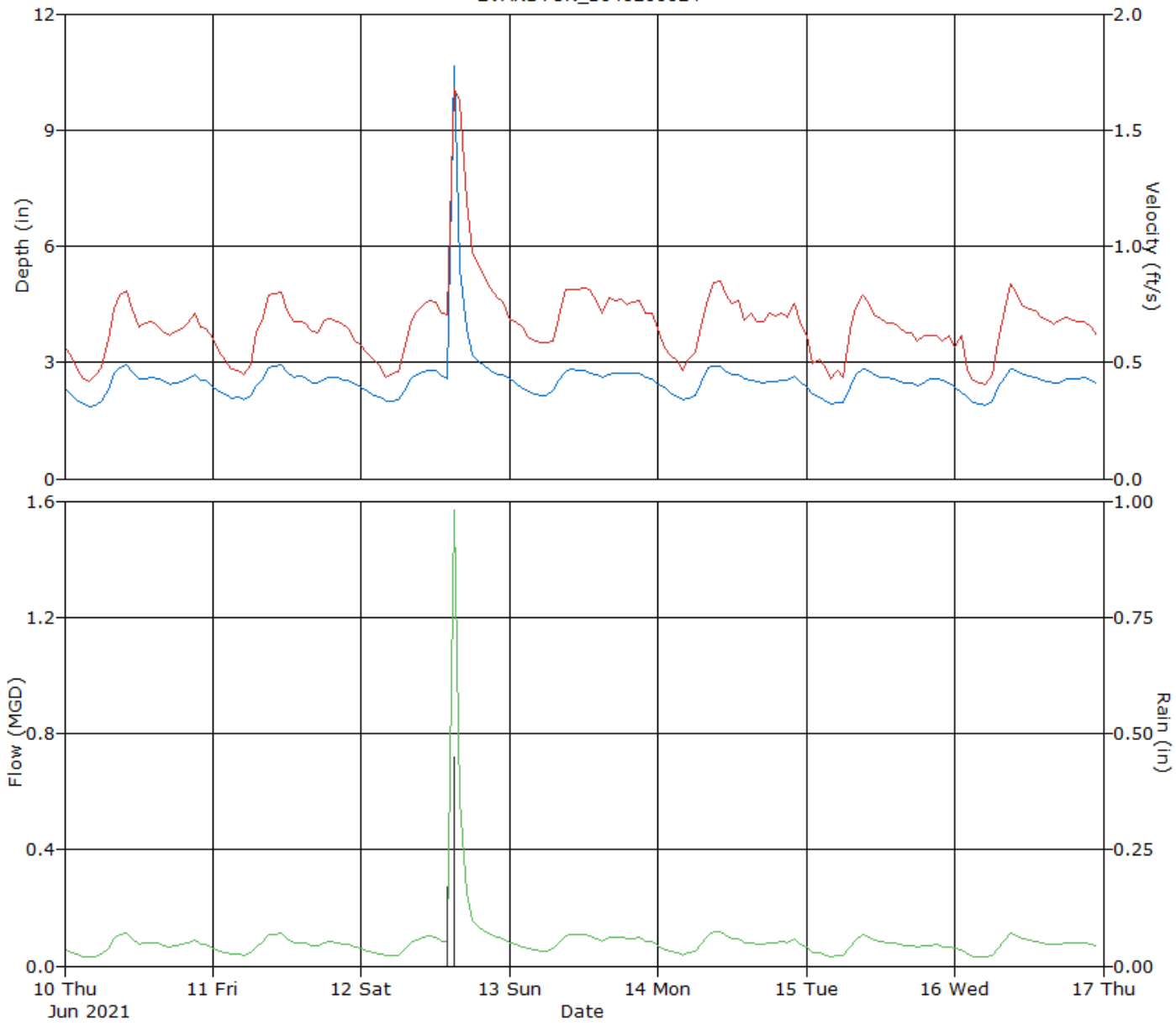


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



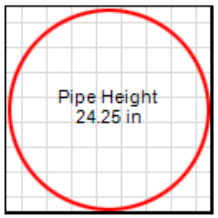
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

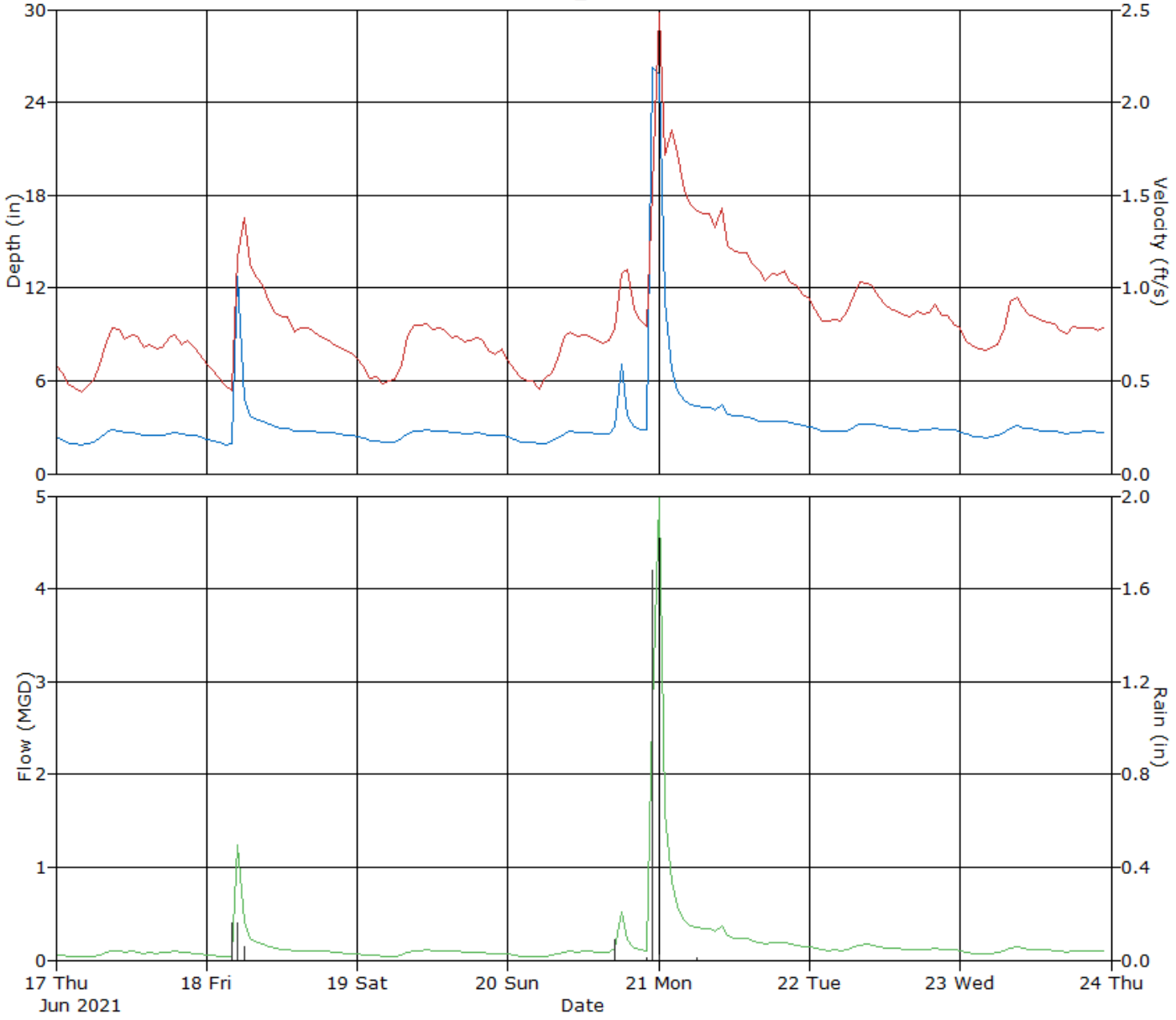


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

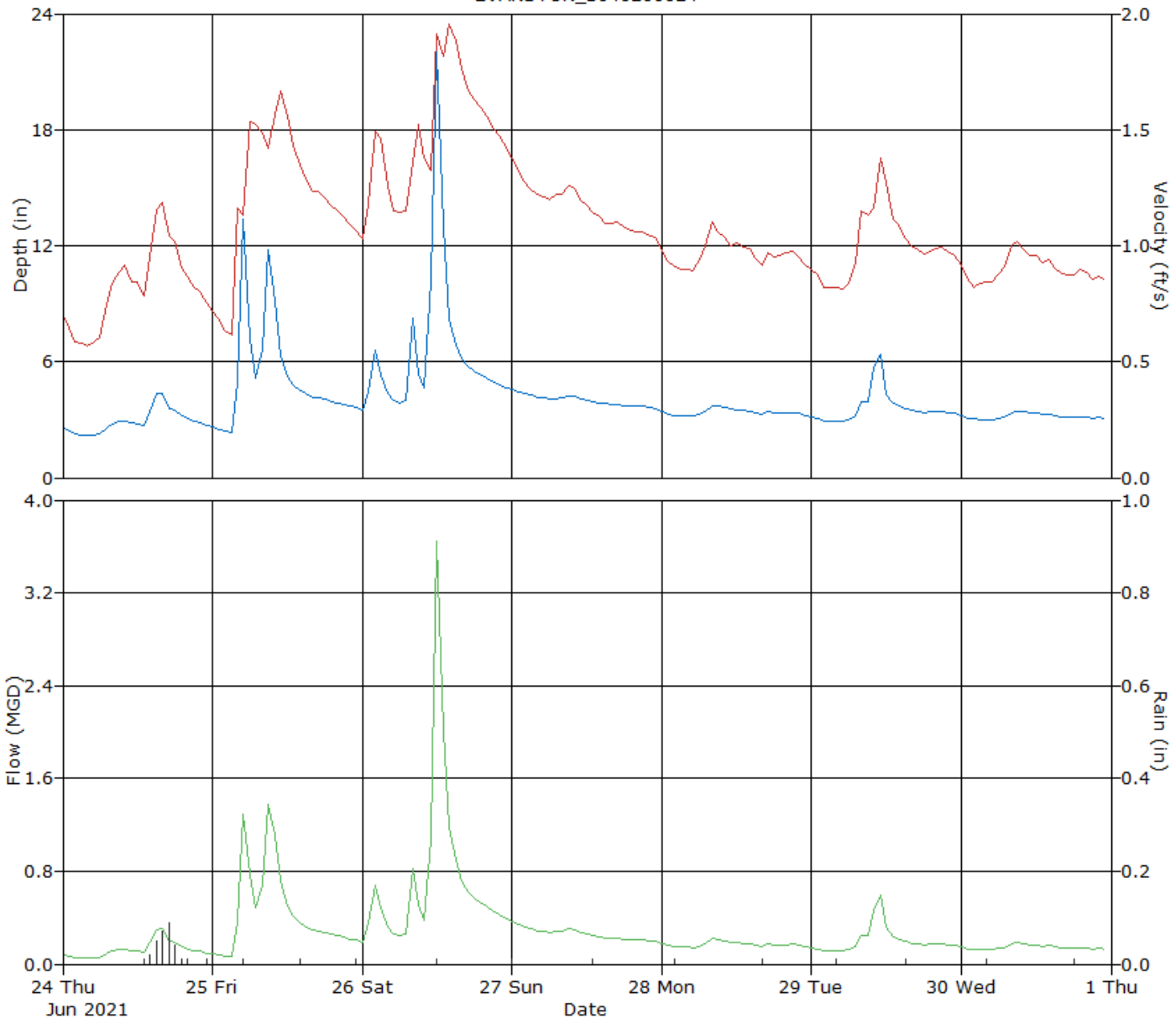
Pipe Height
24.25 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

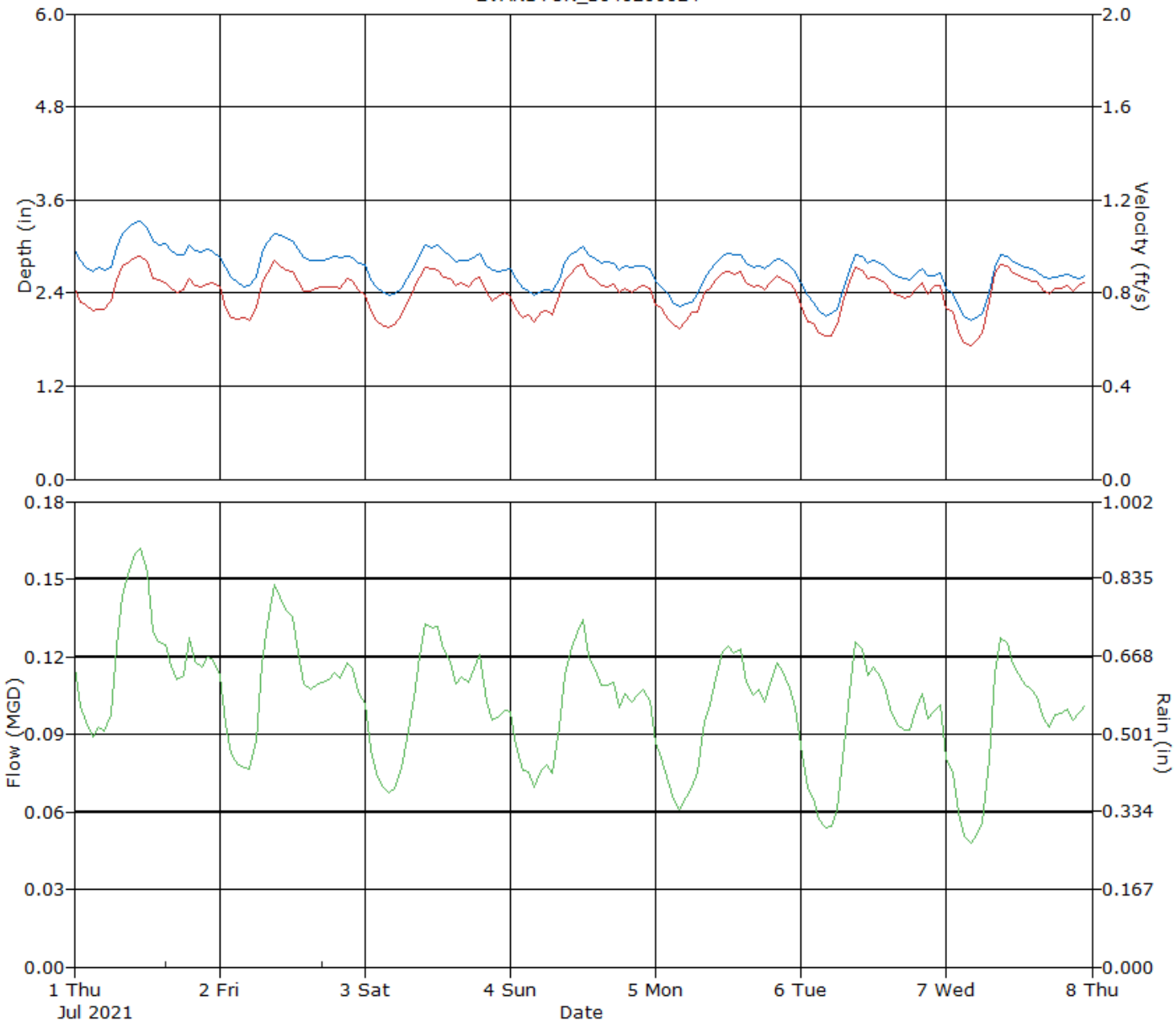
Pipe Height
24.25 in

Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

Pipe Height
24.25 in

Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



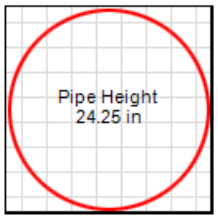
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

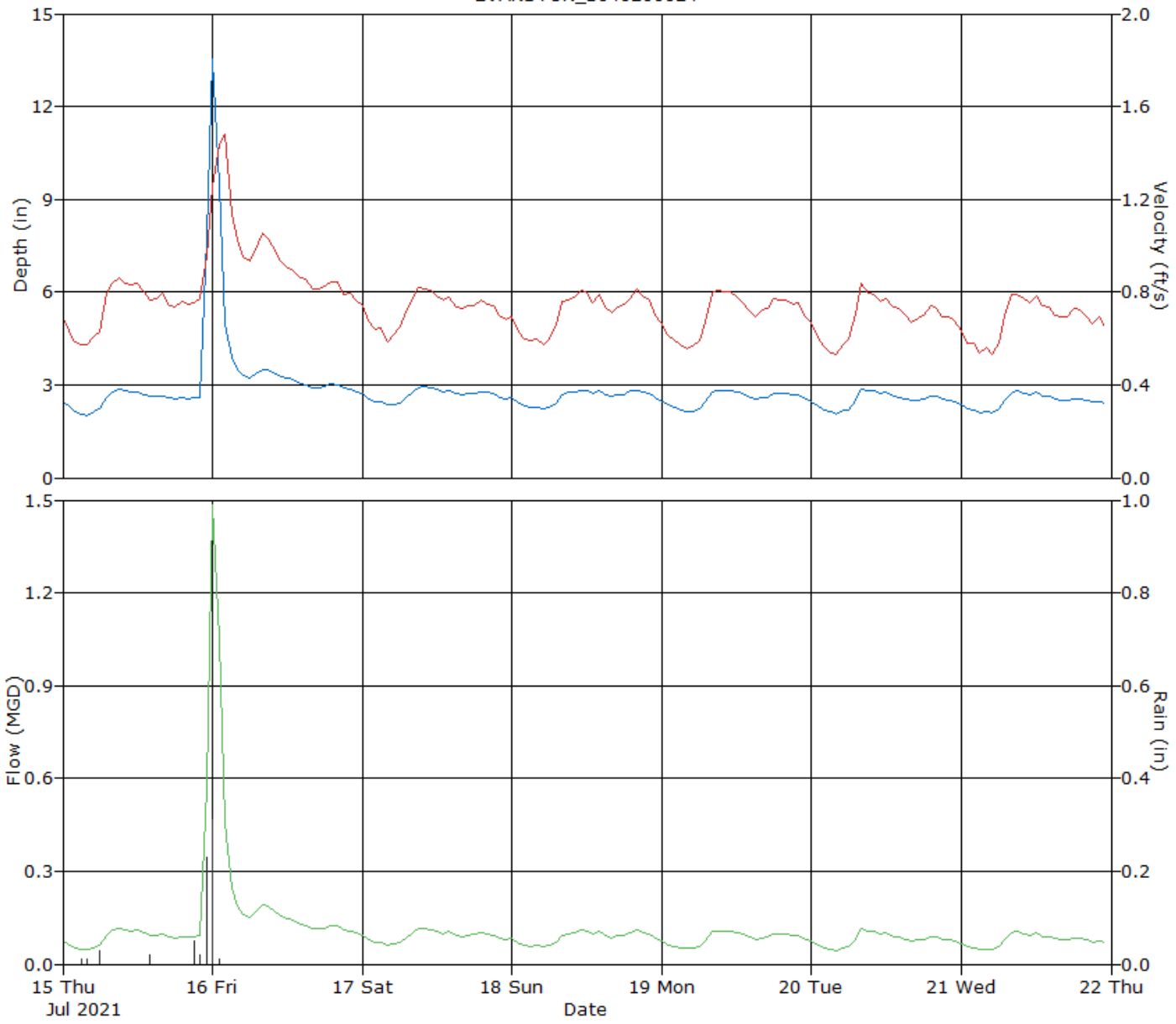


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



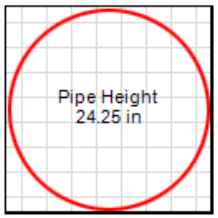
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

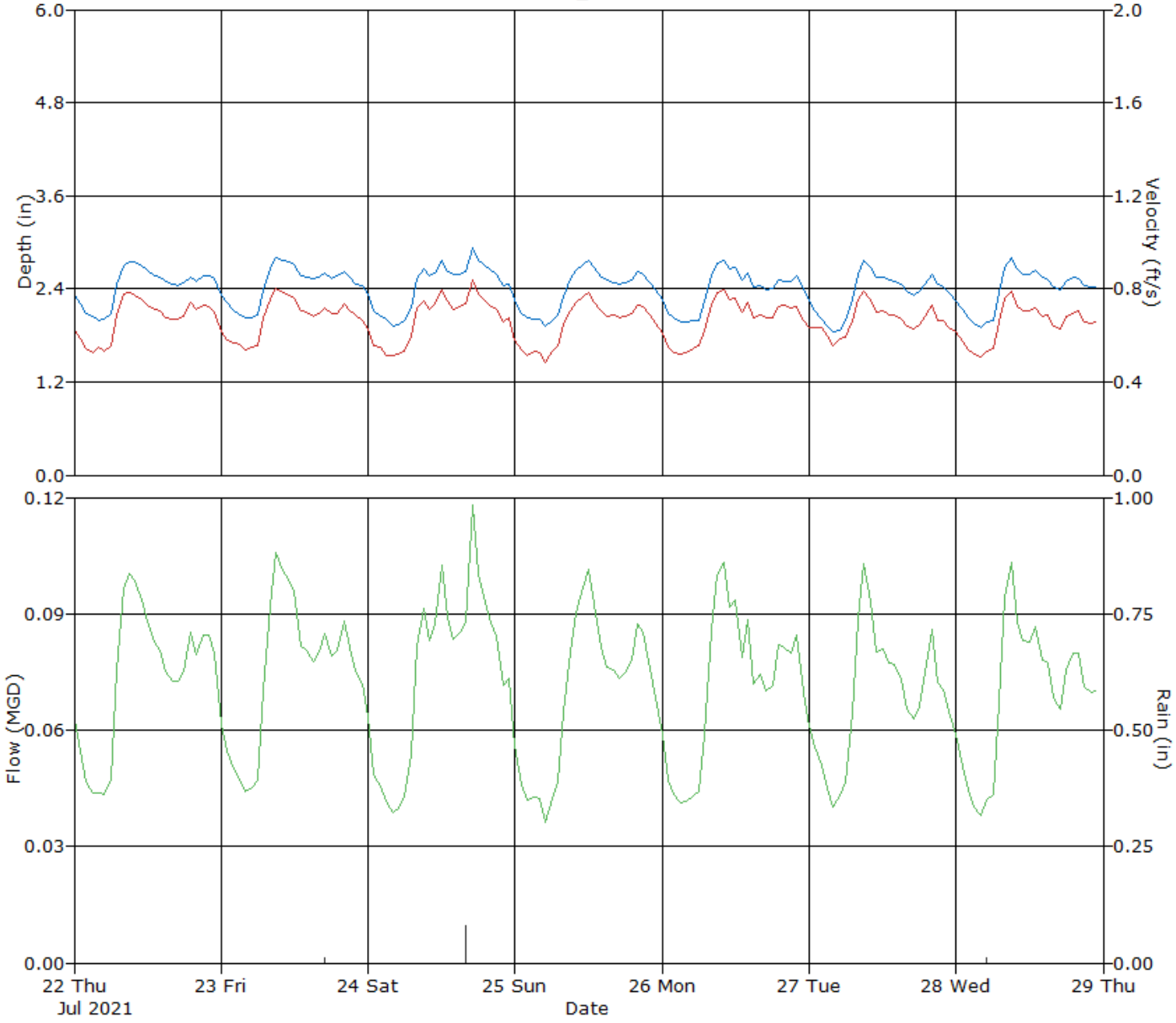


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



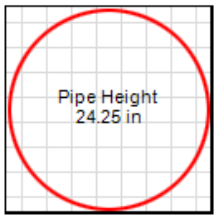
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

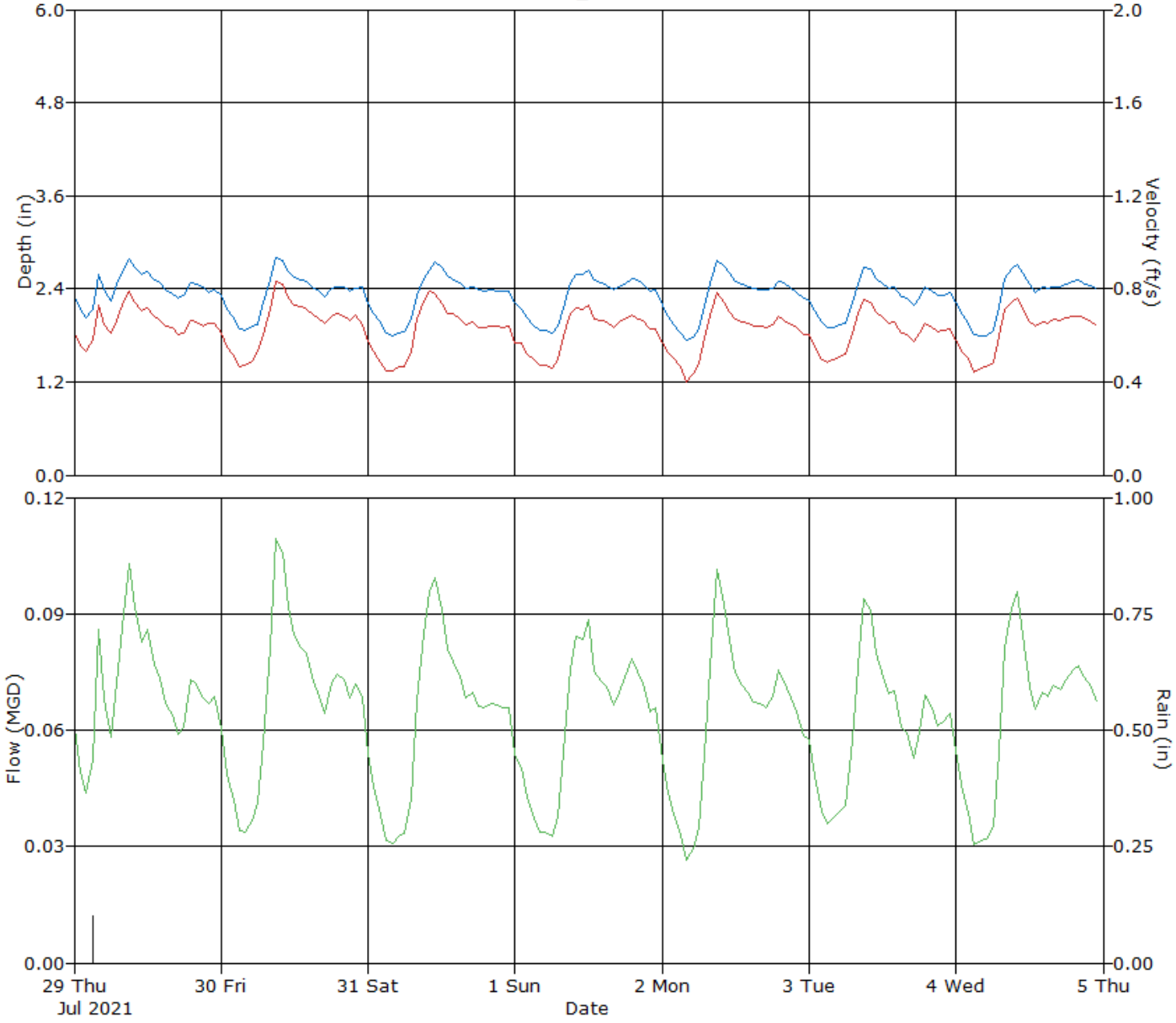


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



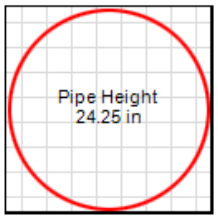
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

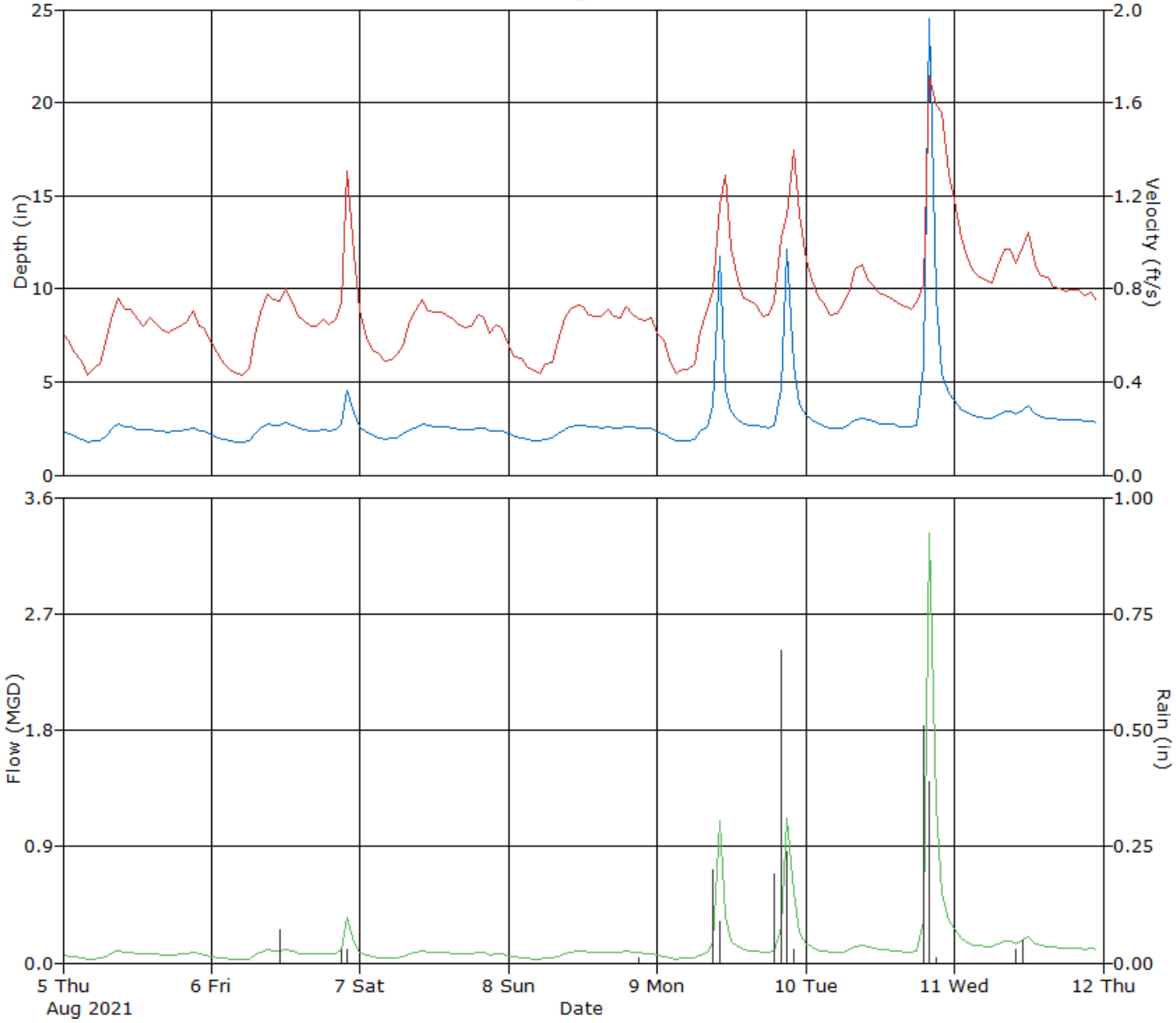


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



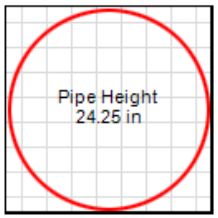
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

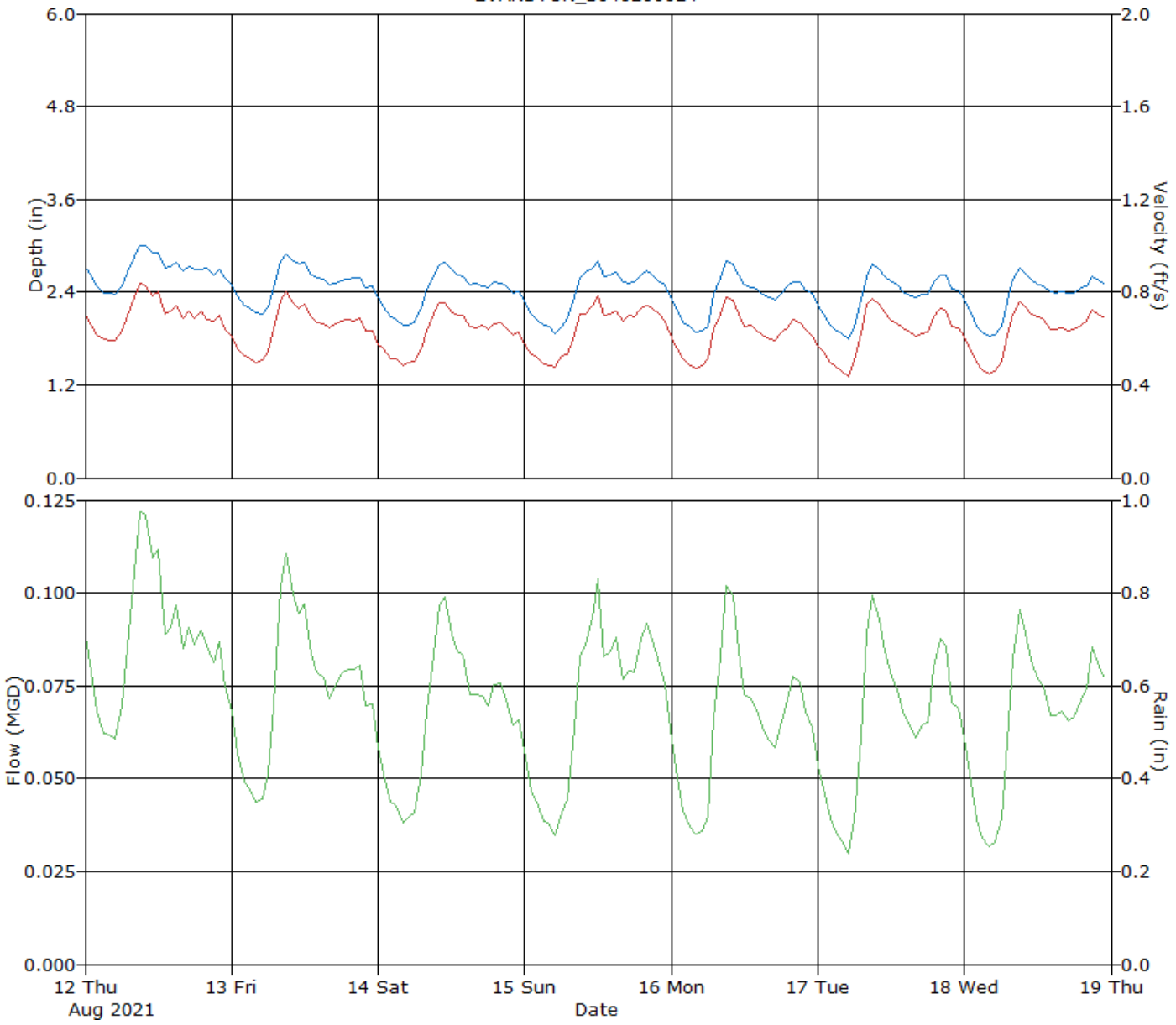


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



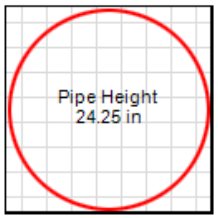
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

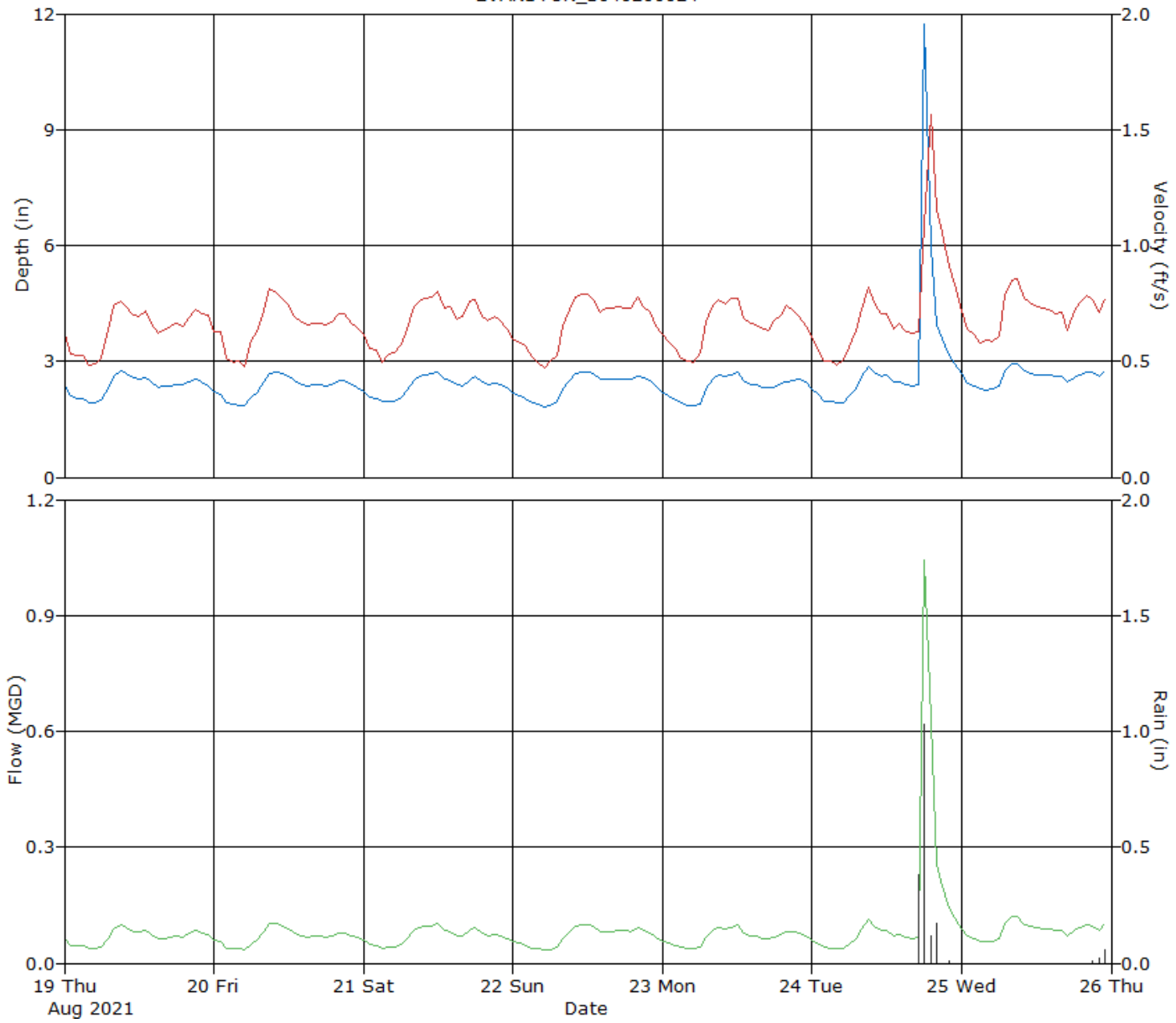


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200024

Flow Monitor

EVANSTON_B040200024

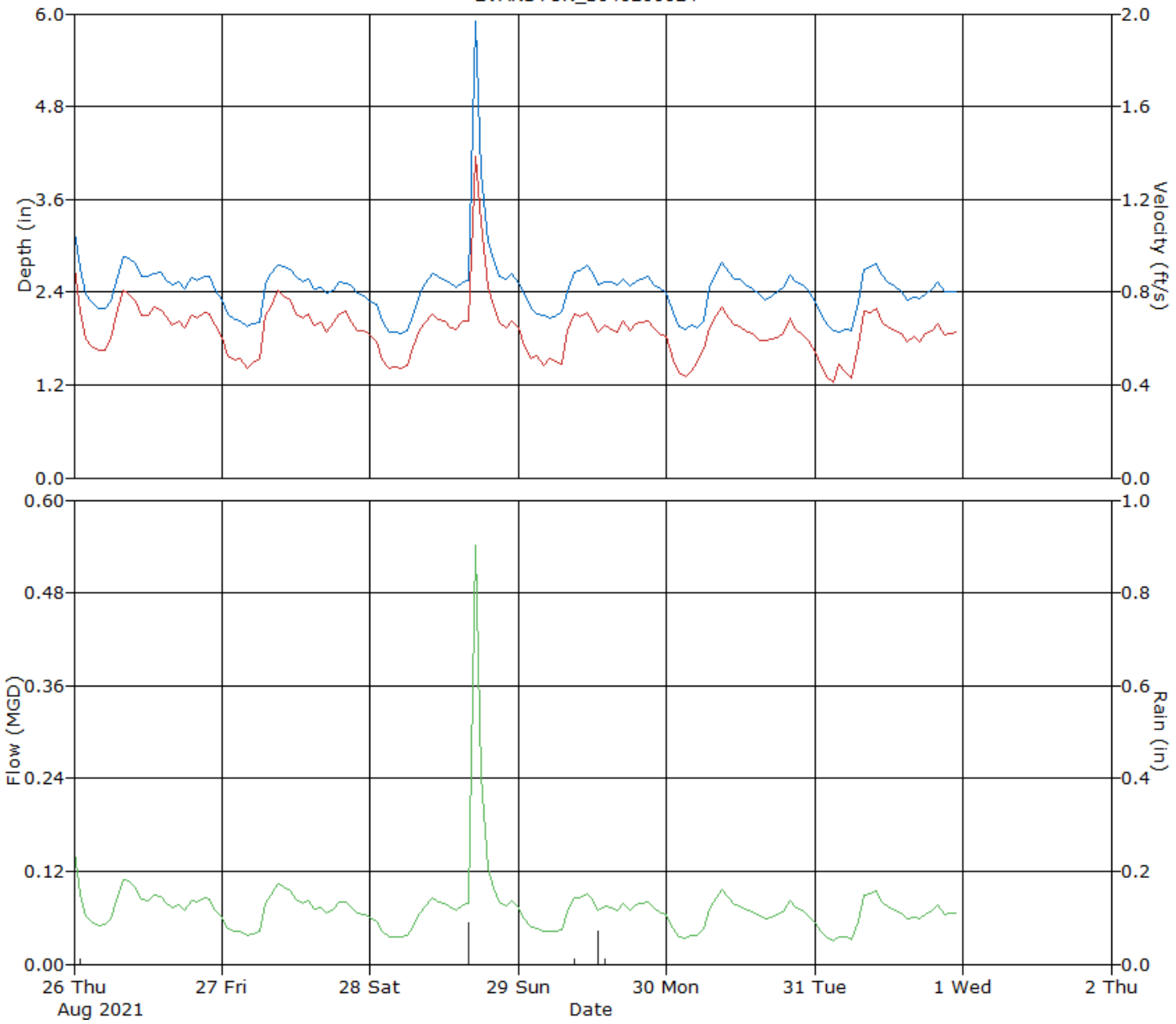
Pipe Height
24.25 in

Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B040200024, Pipe Height: 24.25 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021	03:50	2.49	09:45	3.17	2.82	03:40	0.72	09:45	1.00	0.86	03:55	0.080	09:45	0.158	0.116	15478	
04/02/2021	04:10	2.50	10:45	3.14	2.81	04:10	0.72	10:30	1.01	0.87	04:10	0.081	10:40	0.158	0.116	15486	
04/03/2021	03:40	2.43	12:00	3.08	2.78	05:35	0.68	12:05	0.98	0.85	05:35	0.074	12:05	0.149	0.113	15065	
04/04/2021	05:45	2.36	11:55	3.15	2.77	04:45	0.65	09:55	1.02	0.85	04:45	0.068	11:55	0.159	0.112	15025	
04/05/2021	05:35	2.32	09:55	3.12	2.76	03:50	0.65	09:50	0.99	0.83	03:50	0.065	09:55	0.152	0.109	14585	
04/06/2021	04:25	2.35	09:15	3.15	2.70	04:15	0.64	09:15	0.99	0.81	04:15	0.066	09:15	0.155	0.102	13654	
04/07/2021	05:20	2.23	10:05	2.95	2.65	05:00	0.60	11:05	0.92	0.78	05:05	0.057	11:05	0.131	0.097	12942	
04/08/2021	05:35	2.25	16:15	8.33	3.39	02:50	0.61	16:00	1.71	0.97	05:30	0.059	16:05	0.902	0.193	25751	0.22
04/09/2021	06:15	2.64	09:20	3.32	2.94	05:25	0.74	09:20	1.04	0.87	05:25	0.090	09:20	0.176	0.124	16616	
04/10/2021	05:55	2.52	18:45	17.77	3.98	04:10	0.69	20:10	1.62	1.00	04:10	0.078	18:55	1.912	0.257	34416	0.58
04/11/2021	23:55	3.24	00:00	3.89	3.57	23:55	0.98	17:05	1.26	1.11	23:55	0.159	00:00	0.258	0.209	27896	
04/12/2021	04:25	2.99	08:40	3.62	3.23	04:40	0.88	08:40	1.14	0.98	04:40	0.129	08:40	0.218	0.159	21294	0.02
04/13/2021	04:50	2.79	08:40	3.45	3.10	04:45	0.79	08:45	1.06	0.92	04:45	0.104	08:45	0.189	0.141	18897	
04/14/2021	04:45	2.66	08:45	3.35	3.03	04:45	0.75	08:45	1.03	0.89	04:45	0.092	08:45	0.177	0.133	17807	
04/15/2021	05:00	2.64	09:00	3.33	2.94	04:45	0.73	08:55	1.01	0.87	04:55	0.089	08:55	0.172	0.124	16574	
04/16/2021	05:30	2.59	08:20	3.27	2.88	02:35	0.72	08:15	0.99	0.84	02:35	0.085	08:20	0.163	0.117	15594	
04/17/2021	04:10	2.48	12:00	3.20	2.84	03:55	0.65	12:05	0.96	0.82	03:55	0.072	12:00	0.154	0.112	14971	
04/18/2021	05:10	2.47	11:50	3.15	2.84	05:05	0.66	11:55	0.94	0.81	05:05	0.073	11:55	0.147	0.110	14688	
04/19/2021	04:20	2.38	09:00	3.15	2.77	04:25	0.62	09:00	0.97	0.79	04:25	0.064	09:00	0.152	0.104	13889	
04/20/2021	05:00	2.33	09:15	3.12	2.72	03:45	0.60	09:15	0.94	0.78	03:50	0.061	09:15	0.145	0.100	13351	
04/21/2021	04:40	2.28	08:35	3.07	2.72	06:05	0.60	08:00	0.96	0.78	04:40	0.060	08:30	0.142	0.100	13429	0.02
04/22/2021	04:40	2.31	09:00	3.19	2.73	04:20	0.58	08:20	0.94	0.77	04:20	0.058	09:00	0.148	0.099	13271	
04/23/2021	03:30	2.26	09:25	3.03	2.67	03:45	0.48	09:10	0.91	0.76	03:45	0.047	09:10	0.135	0.094	12622	
04/24/2021	05:05	2.32	11:35	3.05	2.70	03:35	0.51	11:35	0.91	0.76	03:35	0.054	11:35	0.135	0.097	12903	
04/25/2021	05:40	2.25	11:15	3.05	2.65	04:30	0.60	11:10	0.94	0.78	04:30	0.058	11:15	0.141	0.096	12820	
04/26/2021	04:30	2.15	09:20	3.04	2.59	04:40	0.55	09:10	0.94	0.75	04:35	0.049	09:20	0.139	0.090	12081	
04/27/2021	04:45	2.11	11:40	3.98	2.64	04:40	0.55	11:30	1.27	0.76	04:40	0.048	11:35	0.277	0.097	12986	
04/28/2021	05:35	2.07	09:20	3.01	2.55	05:25	0.51	09:20	0.91	0.73	05:25	0.043	09:20	0.133	0.085	11392	0.03
04/29/2021	04:40	2.23	08:45	3.66	2.72	04:50	0.58	08:40	1.12	0.79	04:50	0.055	08:45	0.219	0.103	13785	0.07
04/30/2021	05:30	2.22	09:20	2.99	2.62	05:40	0.58	09:25	0.91	0.76	05:40	0.055	09:25	0.132	0.092	12240	
05/01/2021	05:25	2.08	12:10	3.34	2.55	04:25	0.49	11:50	1.13	0.73	04:25	0.042	12:05	0.181	0.086	11461	
05/02/2021	04:50	2.07	13:45	2.93	2.57	04:50	0.52	09:20	0.88	0.73	04:50	0.044	13:45	0.120	0.086	11545	
05/03/2021	03:30	2.07	21:10	3.19	2.60	03:25	0.50	21:10	0.99	0.75	03:25	0.043	21:10	0.158	0.091	12164	0.11
05/04/2021	04:00	2.14	09:20	3.00	2.57	04:10	0.56	08:55	0.90	0.73	04:10	0.050	08:55	0.130	0.086	11448	0.01
05/05/2021	04:30	2.01	09:45	2.96	2.50	01:35	0.50	09:40	0.89	0.70	04:25	0.042	09:45	0.127	0.081	10765	
05/06/2021	05:40	2.04	10:25	2.99	2.55	03:15	0.50	10:30	0.89	0.72	05:45	0.042	10:30	0.129	0.085	11402	0.05
05/07/2021	03:50	2.04	09:50	3.00	2.51	02:45	0.52	09:50	0.90	0.69	02:45	0.043	09:50	0.131	0.080	10690	
05/08/2021	05:40	2.09	11:15	2.86	2.51	05:40	0.52	11:25	0.84	0.70	05:40	0.044	11:25	0.113	0.080	10712	
05/09/2021	05:35	2.08	10:30	2.95	2.53	06:20	0.54	09:20	0.91	0.72	06:20	0.047	11:35	0.126	0.083	11161	0.05
05/10/2021	05:35	2.02	09:30	2.92	2.48	03:25	0.45	09:30	0.86	0.70	03:25	0.039	09:30	0.121	0.079	10557	
05/11/2021	05:40	1.99	10:00	2.86	2.47	05:30	0.50	08:35	0.86	0.69	05:30	0.040	08:35	0.115	0.077	10338	
05/12/2021	05:35	2.08	09:30	2.98	2.50	04:40	0.52	09:30	0.90	0.69	04:40	0.045	09:30	0.130	0.079	10521	
05/13/2021	05:00	1.92	09:30	2.99	2.45	03:45	0.45	09:35	0.89	0.67	05:05	0.035	09:30	0.128	0.074	9917	
05/14/2021	05:05	1.95	09:50	2.89	2.43	04:40	0.48	09:35	0.86	0.66	04:40	0.037	09:50	0.117	0.073	9791	
05/15/2021	03:40	1.95	12:10	2.89	2.45	05:20	0.37	11:55	0.85	0.68	05:20	0.028	12:15	0.117	0.076	10146	0.01
05/16/2021	05:40	2.02	11:20	2.91	2.45	05:40	0.50	11:20	0.87	0.68	05:40	0.040	11:20	0.121	0.075	10038	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	05:10	1.92 10:00	2.91	2.43	05:05	0.47 10:00	0.86	0.67	05:05	0.036 10:00	0.120	0.074	9857	
05/18/2021	05:15	1.96 09:30	2.93	2.45	05:35	0.46 09:35	0.88	0.69	05:35	0.037 09:35	0.124	0.077	10291	0.09
05/19/2021	05:45	1.94 11:00	4.15	2.51	06:00	0.48 11:00	1.29	0.71	05:45	0.038 11:00	0.302	0.084	11270	0.10
05/20/2021	05:10	1.92 09:35	2.80	2.41	05:35	0.46 09:25	0.83	0.67	05:35	0.035 09:40	0.109	0.072	9685	
05/21/2021	05:45	1.92 10:35	3.00	2.40	03:00	0.47 10:40	0.89	0.67	03:00	0.036 10:35	0.129	0.072	9603	
05/22/2021	06:00	1.88 14:00	2.74	2.38	05:40	0.47 14:05	0.81	0.67	06:00	0.034 14:00	0.104	0.072	9562	
05/23/2021	05:20	1.94 21:20	4.67	2.60	03:45	0.43 21:25	1.24	0.72	03:45	0.034 21:25	0.343	0.093	12492	0.10
05/24/2021	04:40	2.01 09:40	2.96	2.48	04:40	0.48 09:40	0.88	0.69	04:40	0.039 09:40	0.126	0.077	10357	
05/25/2021	05:45	1.88 09:45	2.90	2.42	03:25	0.46 09:30	0.87	0.67	05:45	0.034 09:30	0.119	0.073	9749	
05/26/2021	00:45	2.31 02:25	7.91	3.29	00:45	0.54 02:10	1.60	0.92	00:45	0.054 02:15	0.853	0.172	22977	1.46
05/27/2021	05:30	2.10 09:30	2.96	2.55	05:30	0.51 08:30	0.95	0.71	05:30	0.044 09:25	0.134	0.083	11122	0.03
05/28/2021	04:30	2.12 06:45	3.37	2.76	03:50	0.47 06:45	1.02	0.76	03:50	0.042 06:45	0.177	0.102	13609	0.23
05/29/2021	05:55	2.07 10:25	2.85	2.49	03:55	0.43 10:25	0.82	0.66	03:55	0.037 10:25	0.111	0.075	9993	
05/30/2021	05:40	2.08 12:20	2.86	2.46	05:55	0.49 12:25	0.84	0.68	05:55	0.042 12:25	0.114	0.076	10112	
05/31/2021	05:25	1.95 12:25	2.82	2.44	05:20	0.49 20:45	0.91	0.69	05:20	0.038 20:45	0.113	0.077	10237	
06/01/2021	04:10	1.89 10:10	3.01	2.40	06:25	0.43 10:10	0.93	0.68	06:25	0.033 10:10	0.137	0.074	9952	
06/02/2021	05:00	1.82 10:10	2.84	2.37	04:40	0.45 09:25	0.87	0.67	04:45	0.032 09:25	0.116	0.071	9546	
06/03/2021	05:10	1.95 10:10	2.84	2.43	05:10	0.51 10:25	0.89	0.70	05:10	0.039 10:25	0.116	0.076	10224	
06/04/2021	04:05	1.90 09:25	2.85	2.38	04:05	0.49 09:25	0.87	0.68	04:05	0.036 09:25	0.117	0.072	9658	
06/05/2021	04:35	1.90 10:20	2.77	2.40	05:00	0.47 10:20	0.81	0.65	04:35	0.035 10:20	0.105	0.070	9414	
06/06/2021	04:20	1.86 11:25	2.80	2.40	03:45	0.44 11:25	0.83	0.65	03:45	0.033 11:25	0.110	0.071	9453	
06/07/2021	04:50	1.86 10:25	2.84	2.42	04:50	0.45 10:30	0.84	0.67	04:50	0.032 10:30	0.113	0.073	9800	
06/08/2021	05:00	1.86 09:45	2.92	2.40	04:55	0.44 09:45	0.87	0.65	04:55	0.032 09:45	0.122	0.071	9446	
06/09/2021	04:35	1.91 09:10	2.91	2.43	04:40	0.45 09:05	0.86	0.65	04:40	0.034 09:05	0.119	0.072	9599	
06/10/2021	04:30	1.82 10:20	2.95	2.43	04:25	0.41 09:40	0.82	0.62	04:30	0.029 10:20	0.117	0.069	9194	
06/11/2021	05:50	2.02 09:40	2.97	2.48	05:25	0.41 09:40	0.84	0.63	05:25	0.035 09:40	0.121	0.072	9604	
06/12/2021	04:35	1.96 15:25	15.00	3.05	04:30	0.42 15:35	1.96	0.78	04:30	0.033 15:30	2.456	0.171	22813	0.62
06/13/2021	06:00	2.12 10:30	2.87	2.57	00:35	0.52 13:40	0.92	0.72	05:10	0.048 13:40	0.116	0.085	11320	
06/14/2021	04:50	2.01 08:50	2.96	2.50	04:45	0.44 12:55	0.92	0.68	04:45	0.036 10:30	0.125	0.077	10314	
06/15/2021	05:00	1.88 10:05	2.91	2.42	06:00	0.33 10:05	0.82	0.61	06:00	0.026 10:05	0.115	0.067	8936	
06/16/2021	05:40	1.88 09:45	2.90	2.43	03:55	0.39 09:10	0.86	0.63	05:20	0.029 09:45	0.117	0.070	9380	
06/17/2021	04:10	1.81 09:15	2.84	2.39	04:05	0.42 13:00	0.89	0.65	04:05	0.029 13:00	0.109	0.070	9342	
06/18/2021	03:50	1.86 05:15	16.92	3.20	04:35	0.43 06:10	1.49	0.79	04:35	0.031 05:20	1.900	0.161	21499	0.38
06/19/2021	06:20	1.98 12:00	2.83	2.48	03:55	0.46 09:15	0.91	0.67	04:10	0.037 09:15	0.113	0.076	10173	
06/20/2021	05:45	1.86 23:35	43.72	3.69	23:15	0.30 23:50	2.71	0.74	05:50	0.030 23:50	5.557	0.209	27893	1.78
06/21/2021	23:50	3.10 00:00	33.11	5.19	23:45	0.94 00:30	2.75	1.33	23:45	0.144 00:30	5.649	0.546	72989	0.03
06/22/2021	23:55	2.70 09:00	3.26	2.90	23:40	0.69 08:35	1.05	0.89	23:40	0.090 08:55	0.171	0.124	16607	
06/23/2021	04:15	2.29 09:20	3.11	2.67	03:50	0.61 09:20	0.97	0.78	03:50	0.062 09:20	0.150	0.098	13070	
06/24/2021	04:05	2.16 15:55	5.06	2.90	04:15	0.53 15:05	1.37	0.82	04:15	0.048 16:05	0.364	0.123	16385	0.31
06/25/2021	03:40	2.32 05:25	16.86	5.19	03:35	0.60 11:25	1.69	1.21	03:35	0.060 09:40	1.730	0.445	59505	0.03
06/26/2021	01:30	3.44 12:00	26.66	6.53	01:15	1.02 12:20	2.11	1.48	01:30	0.181 12:20	4.259	0.729	97442	0.01
06/27/2021	23:55	3.49 00:00	4.60	4.00	20:10	0.92 00:00	1.42	1.17	20:10	0.179 00:00	0.384	0.261	34933	0.02
06/28/2021	06:10	3.17 08:25	3.78	3.39	04:40	0.87 08:15	1.12	0.97	05:15	0.140 08:25	0.227	0.169	22645	0.02
06/29/2021	04:50	2.86 10:55	8.97	3.61	03:25	0.80 11:40	1.46	1.00	05:30	0.111 10:55	0.831	0.203	27120	0.02
06/30/2021	05:25	2.94 10:05	3.47	3.17	02:15	0.78 08:35	1.03	0.90	02:15	0.116 10:05	0.185	0.143	19101	0.02
07/01/2021	03:50	2.67 10:55	3.40	2.97	04:00	0.63 10:55	1.00	0.83	04:00	0.079 10:55	0.175	0.121	16130	0.01
07/02/2021	04:30	2.46 10:00	3.20	2.84	04:25	0.65 10:00	0.96	0.81	04:25	0.072 10:00	0.153	0.111	14785	0.01
07/03/2021	04:45	2.36 12:00	3.08	2.73	05:10	0.59 12:00	0.94	0.80	05:10	0.061 12:00	0.143	0.102	13672	
07/04/2021	05:00	2.35 12:25	3.02	2.69	02:20	0.62 12:15	0.96	0.80	04:05	0.068 12:15	0.141	0.100	13433	
07/05/2021	04:45	2.22 14:05	2.94	2.64	02:35	0.61 08:40	0.94	0.80	04:40	0.058 13:50	0.130	0.098	13093	
07/06/2021	05:10	2.07 10:00	2.96	2.56	04:55	0.50 14:30	0.94	0.78	04:55	0.042 09:55	0.133	0.092	12324	
07/07/2021	04:55	2.02 08:55	2.94	2.54	03:50	0.49 08:50	0.97	0.79	03:50	0.042 08:55	0.138	0.092	12239	
07/08/2021	05:35	2.05 10:45	2.90	2.50	04:10	0.48 10:45	0.98	0.80	04:10	0.040 10:45	0.136	0.092	12239	
07/09/2021	04:30	2.03 09:35	3.07	2.48	04:15	0.36 09:35	1.06	0.82	04:15	0.030 09:35	0.160	0.092	12359	
07/10/2021	05:05	1.90 21:50	5.01	2.59	04:00	0.33 21:35	1.39	0.86	04:00	0.025 21:45	0.415	0.109	14582	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
07/11/2021	01:55	2.50 02:35	7.36	3.01	23:55	0.71 03:15	1.34	0.88	01:50	0.080 02:30	0.579	0.136	18232	
07/12/2021	05:00	2.05 10:15	3.03	2.57	03:55	0.46 13:10	1.01	0.74	03:55	0.040 13:10	0.139	0.089	11836	
07/13/2021	04:50	2.17 09:35	2.98	2.56	04:50	0.58 09:30	0.91	0.73	04:50	0.052 09:35	0.132	0.086	11520	
07/14/2021	05:10	2.03 10:05	3.02	2.50	03:45	0.44 10:00	0.92	0.72	03:45	0.038 10:00	0.136	0.082	10936	
07/15/2021	04:15	1.95 23:55	10.35	2.73	04:10	0.54 23:55	1.18	0.75	04:10	0.042 23:55	0.987	0.105	14002	0.37
07/16/2021	23:35	2.76 00:30	14.63	3.94	23:45	0.75 02:00	1.62	0.97	23:45	0.097 00:30	1.616	0.252	33685	0.32
07/17/2021	04:45	2.33 10:10	2.98	2.67	04:55	0.54 10:05	0.85	0.73	04:55	0.054 10:05	0.123	0.090	12062	
07/18/2021	05:35	2.21 12:10	2.87	2.61	04:15	0.54 20:35	0.91	0.72	05:35	0.051 20:35	0.122	0.086	11534	
07/19/2021	04:20	2.14 10:00	2.87	2.56	04:20	0.53 10:00	0.84	0.71	04:20	0.047 10:00	0.115	0.083	11090	
07/20/2021	04:15	2.05 08:35	2.95	2.51	04:10	0.51 08:35	0.87	0.69	04:10	0.043 08:35	0.124	0.078	10472	
07/21/2021	04:00	2.06 12:25	2.83	2.47	06:00	0.49 18:30	0.83	0.68	06:00	0.043 08:40	0.110	0.076	10165	
07/22/2021	04:00	1.96 09:35	2.78	2.44	03:25	0.50 08:30	0.80	0.67	03:50	0.040 09:35	0.105	0.074	9843	
07/23/2021	05:30	2.01 09:55	2.83	2.45	04:00	0.52 09:55	0.81	0.67	04:00	0.044 09:55	0.108	0.075	10000	0.01
07/24/2021	05:25	1.90 17:30	3.05	2.44	04:15	0.49 17:35	0.90	0.67	05:25	0.037 17:35	0.135	0.075	9999	0.08
07/25/2021	05:45	1.88 12:30	2.80	2.38	04:50	0.47 12:15	0.80	0.65	05:40	0.035 12:30	0.106	0.069	9226	
07/26/2021	06:30	1.93 10:10	2.81	2.38	02:55	0.50 10:15	0.82	0.67	06:25	0.039 10:10	0.108	0.071	9496	
07/27/2021	04:55	1.80 09:05	2.83	2.34	04:45	0.50 09:00	0.83	0.66	04:45	0.035 09:00	0.111	0.068	9145	
07/28/2021	04:25	1.83 09:20	2.82	2.38	06:10	0.48 09:10	0.80	0.65	04:25	0.034 09:15	0.106	0.069	9235	0.01
07/29/2021	03:05	1.93 09:10	2.84	2.42	03:00	0.47 09:10	0.81	0.66	03:00	0.036 09:10	0.109	0.071	9432	0.10
07/30/2021	04:25	1.85 09:15	2.81	2.34	03:20	0.45 09:30	0.85	0.65	04:10	0.033 09:30	0.113	0.068	9030	
07/31/2021	06:15	1.78 11:05	2.79	2.30	03:25	0.43 11:00	0.81	0.62	06:15	0.030 11:05	0.105	0.063	8430	
08/01/2021	06:25	1.82 12:10	2.69	2.30	06:00	0.44 12:00	0.75	0.61	06:00	0.031 12:05	0.093	0.062	8316	
08/02/2021	05:05	1.73 09:15	2.78	2.30	04:30	0.39 09:15	0.79	0.61	04:30	0.025 09:15	0.103	0.062	8322	
08/03/2021	04:00	1.85 09:25	2.71	2.28	04:00	0.47 09:20	0.77	0.61	04:00	0.034 09:20	0.097	0.061	8151	
08/04/2021	03:55	1.76 09:50	2.77	2.31	03:50	0.43 09:50	0.79	0.62	03:50	0.028 09:50	0.103	0.064	8515	
08/05/2021	04:45	1.73 09:40	2.79	2.30	04:35	0.42 09:25	0.79	0.62	04:35	0.027 09:40	0.103	0.063	8365	
08/06/2021	05:20	1.72 22:10	5.17	2.46	05:55	0.42 22:05	1.55	0.67	05:40	0.027 22:05	0.495	0.082	11016	0.13
08/07/2021	04:35	1.92 00:00	2.85	2.39	06:15	0.45 00:00	0.81	0.63	06:15	0.034 00:00	0.109	0.067	8999	
08/08/2021	06:10	1.79 11:35	2.70	2.35	05:40	0.43 11:35	0.75	0.62	05:45	0.030 11:35	0.094	0.065	8727	0.01
08/09/2021	05:55	1.82 10:10	16.10	3.66	20:55	0.22 22:30	1.46	0.79	03:50	0.030 10:10	1.423	0.210	28078	1.42
08/10/2021	04:40	2.45 20:10	29.68	4.25	20:00	0.66 20:25	2.01	0.91	04:40	0.073 20:25	4.129	0.319	42692	0.91
08/11/2021	23:55	2.77 00:00	4.45	3.19	23:25	0.73 00:00	1.32	0.88	23:55	0.096 00:00	0.341	0.144	19229	0.08
08/12/2021	05:05	2.33 10:00	3.03	2.68	05:05	0.57 10:25	0.84	0.70	05:05	0.058 09:55	0.124	0.088	11704	
08/13/2021	05:45	2.09 09:05	2.96	2.51	04:30	0.46 09:00	0.83	0.65	04:30	0.041 09:00	0.118	0.074	9887	
08/14/2021	04:55	1.93 11:20	2.80	2.40	04:50	0.45 10:50	0.78	0.62	04:50	0.035 10:50	0.102	0.067	8961	
08/15/2021	05:40	1.86 12:20	2.90	2.41	05:45	0.46 12:20	0.82	0.64	05:45	0.034 12:20	0.114	0.070	9367	
08/16/2021	05:05	1.87 09:35	2.83	2.35	03:35	0.46 10:15	0.79	0.62	05:05	0.034 10:15	0.105	0.065	8645	
08/17/2021	05:40	1.79 09:40	2.78	2.35	05:15	0.42 09:45	0.79	0.62	05:15	0.029 09:45	0.102	0.065	8755	
08/18/2021	05:10	1.79 09:25	2.75	2.34	04:40	0.43 09:20	0.78	0.63	05:10	0.029 09:20	0.101	0.065	8740	
08/19/2021	05:00	1.90 09:20	2.77	2.36	06:15	0.47 08:15	0.80	0.64	04:45	0.036 09:20	0.100	0.067	8986	
08/20/2021	05:50	1.82 09:50	2.87	2.33	05:40	0.41 09:45	0.87	0.65	05:40	0.029 09:45	0.119	0.068	9031	
08/21/2021	03:55	1.89 12:20	2.79	2.36	03:55	0.48 17:50	0.90	0.67	03:55	0.036 17:55	0.108	0.070	9417	
08/22/2021	05:55	1.80 11:00	2.75	2.36	04:40	0.46 11:05	0.82	0.67	05:20	0.032 11:05	0.105	0.071	9435	
08/23/2021	04:10	1.82 12:30	2.75	2.33	04:10	0.47 21:00	0.87	0.66	04:10	0.033 11:50	0.102	0.068	9066	
08/24/2021	04:20	1.89 18:20	15.43	3.06	18:05	0.28 19:05	1.67	0.74	04:15	0.035 18:30	1.405	0.148	19849	1.71
08/25/2021	03:55	2.26 23:55	3.28	2.60	03:20	0.56 23:55	0.96	0.71	03:25	0.054 23:55	0.159	0.086	11434	0.09
08/26/2021	05:30	2.15 00:05	3.37	2.56	04:20	0.53 00:05	0.99	0.69	05:35	0.048 00:05	0.170	0.081	10875	0.01
08/27/2021	04:55	1.93 10:15	2.80	2.39	04:20	0.45 09:15	0.95	0.65	04:20	0.035 09:15	0.121	0.069	9263	
08/28/2021	06:20	1.84 17:25	6.78	2.60	03:30	0.44 17:45	1.45	0.68	03:30	0.032 17:20	0.669	0.095	12653	0.09
08/29/2021	05:45	2.04 11:45	2.77	2.44	07:10	0.32 02:10	0.76	0.62	07:10	0.028 09:10	0.094	0.067	9010	0.09
08/30/2021	03:30	1.89 09:30	2.81	2.37	03:30	0.42 09:20	0.75	0.60	03:30	0.031 09:25	0.099	0.063	8457	
08/31/2021	04:50	1.86 10:25	2.81	2.33	03:00	0.40 08:15	0.76	0.59	03:55	0.029 10:25	0.101	0.061	8149	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			2188757	11.87
Avg	2.71	0.75	0.107	

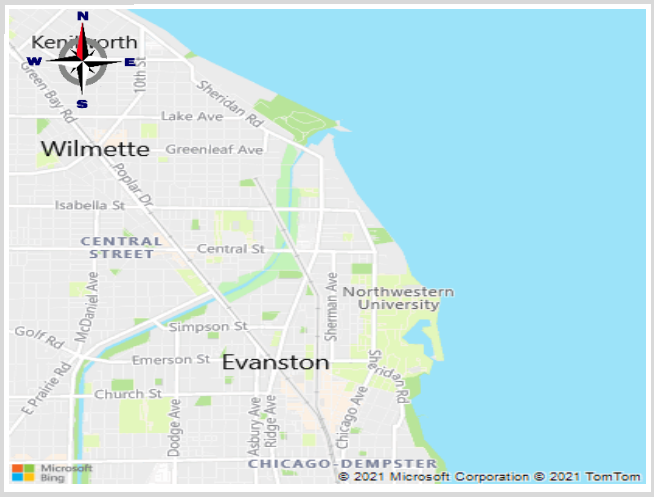
Evanston, IL

Flow Monitoring Site Report

SITE NAME

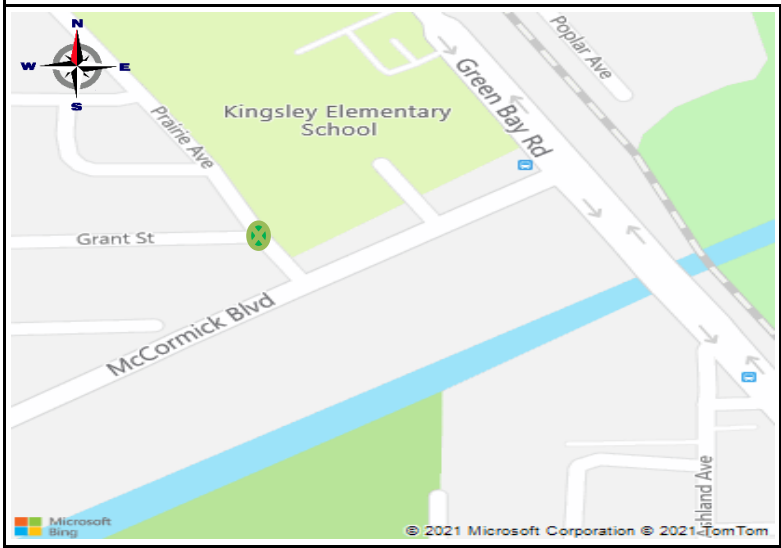
B040200048

Site Address /Location:	Intersection of Grant St. and Prairie Ave.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in road	Latitude:	42.05931	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.696721	48 x 48	Circular



Manhole #	System Characteristics
B04_02000	Residential
Access	Traffic
Drive	Medium







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Tuesday, March 30, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
4:47:00 PM	48 x 48
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
7.00	39.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.5	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Fair

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
8.2	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

Upstream NW	Downstream	Upstream W
		
		

SCATTERGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

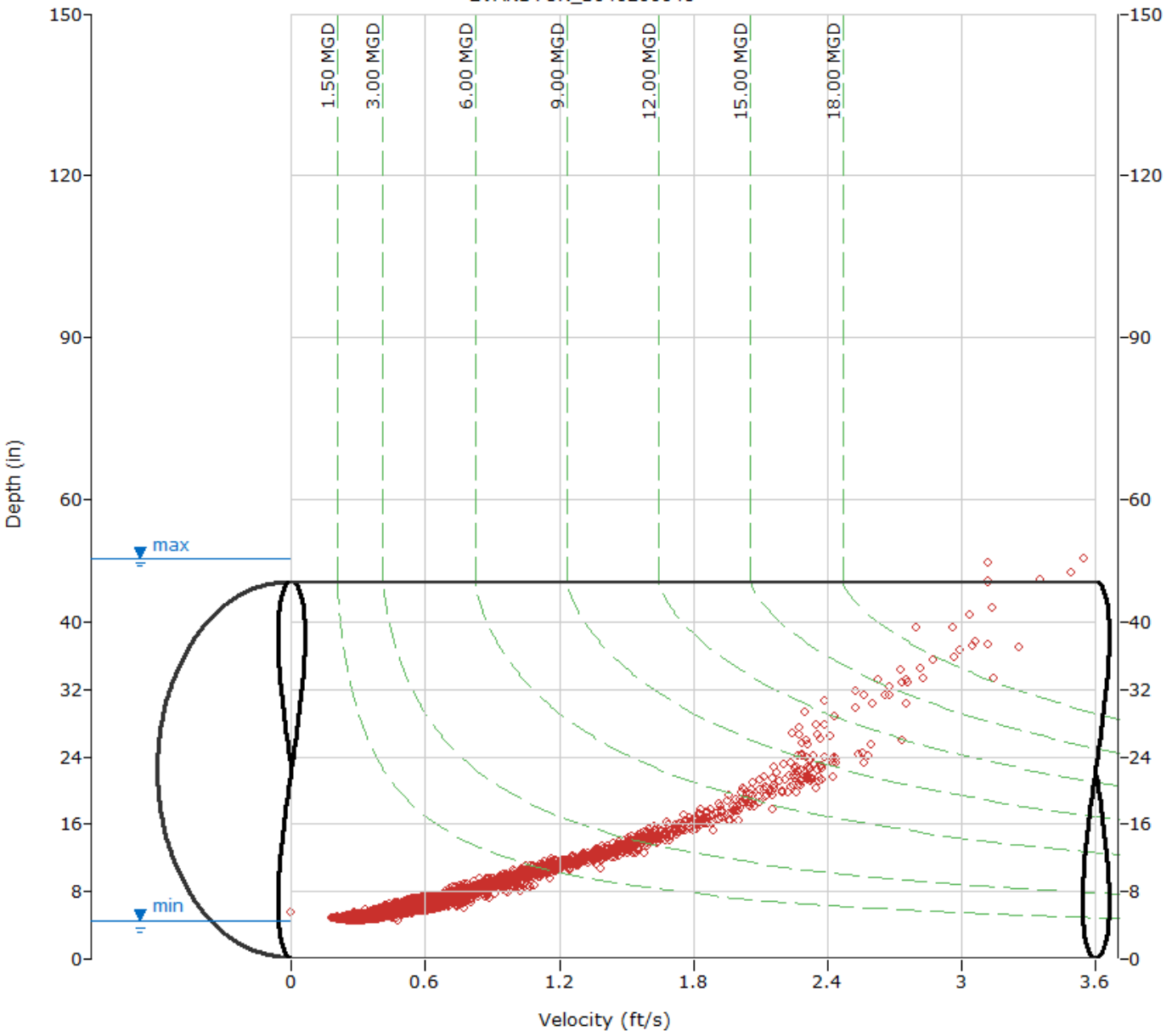
Pipe Height
45.00 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



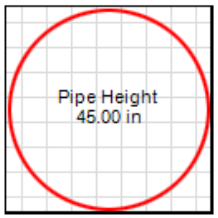
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

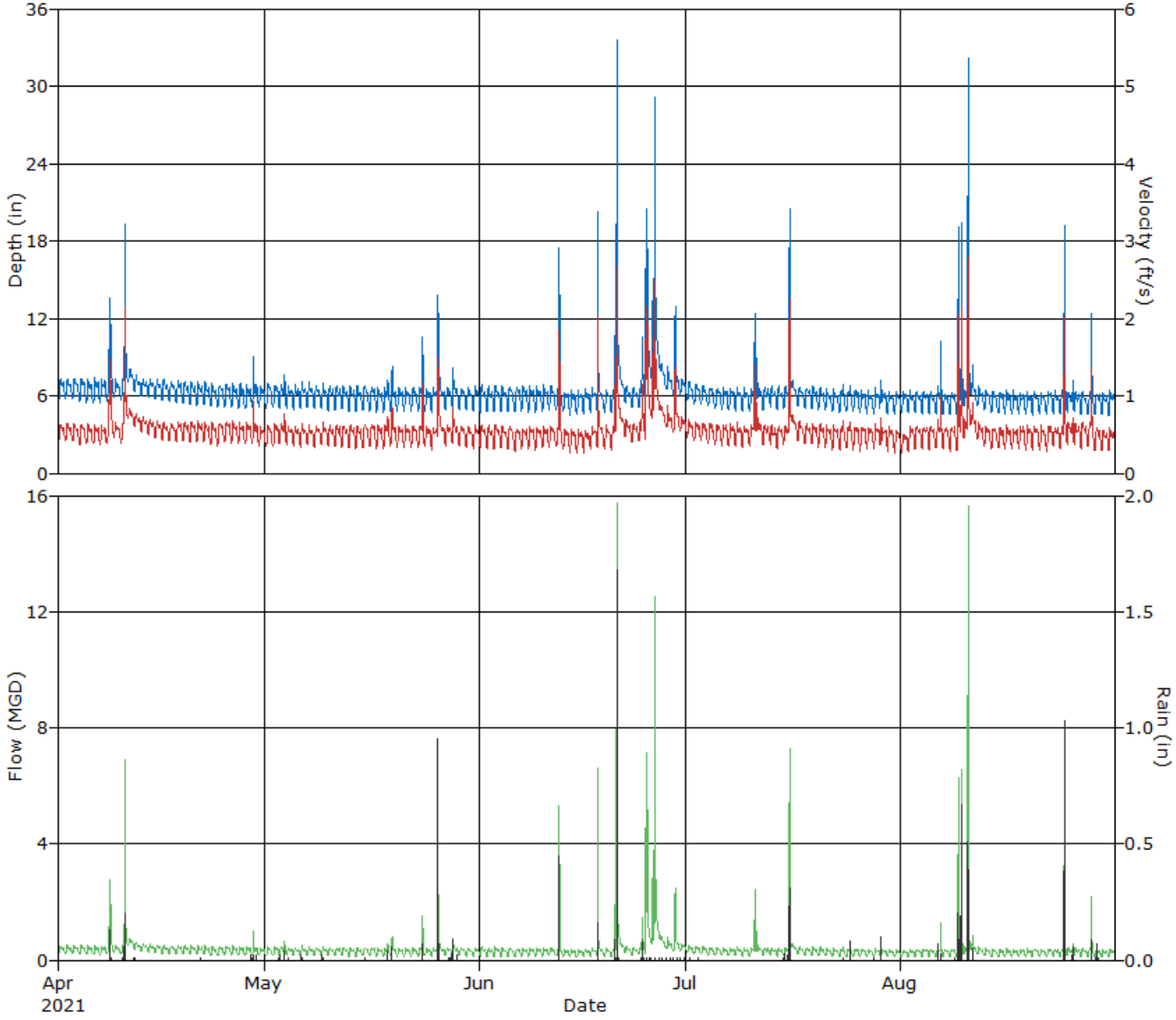


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



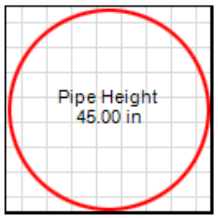
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

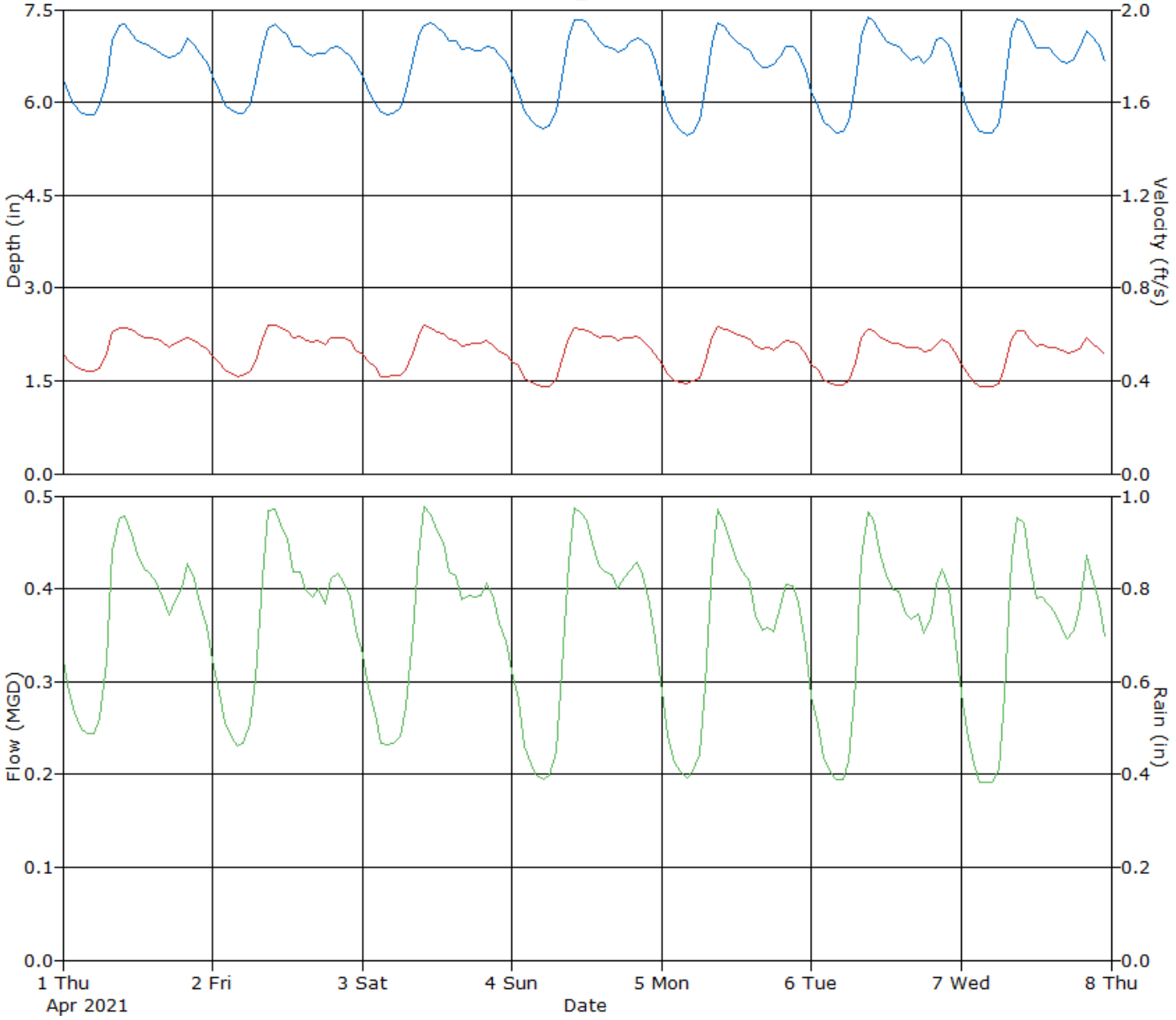


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

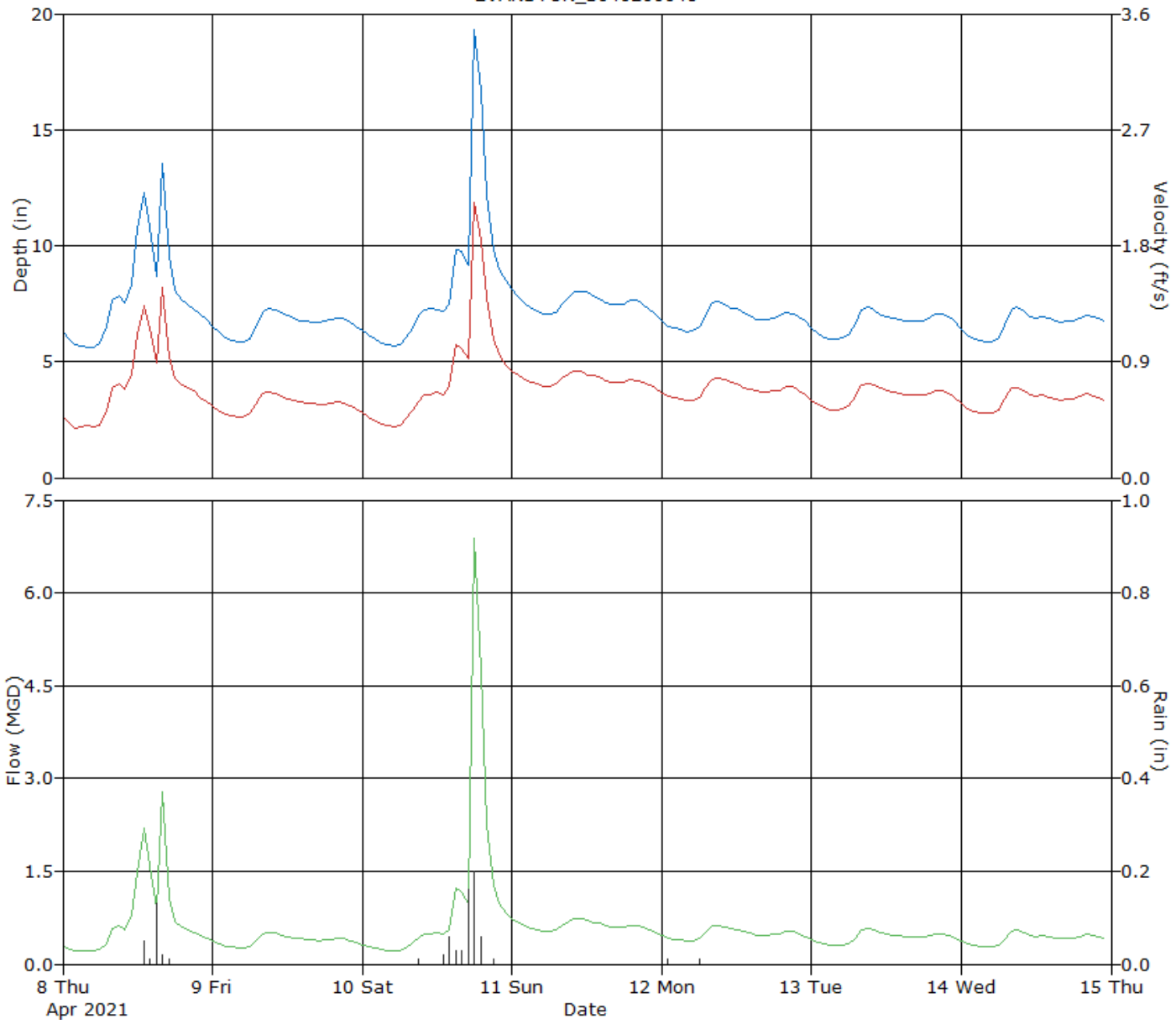
Pipe Height
45.00 in

Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

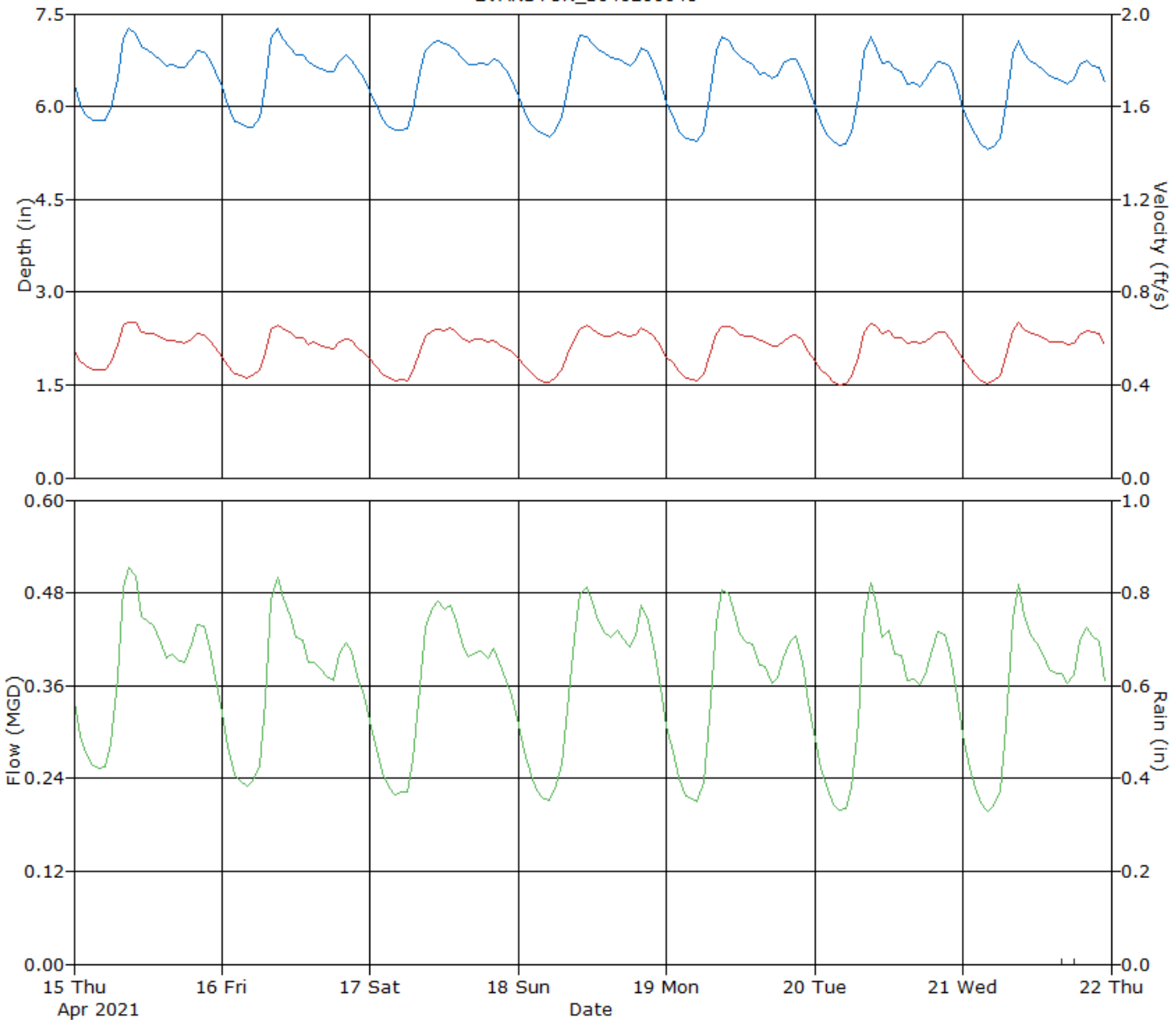
Pipe Height
45.00 in

Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



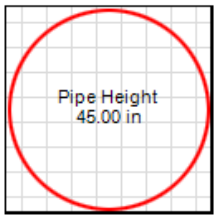
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

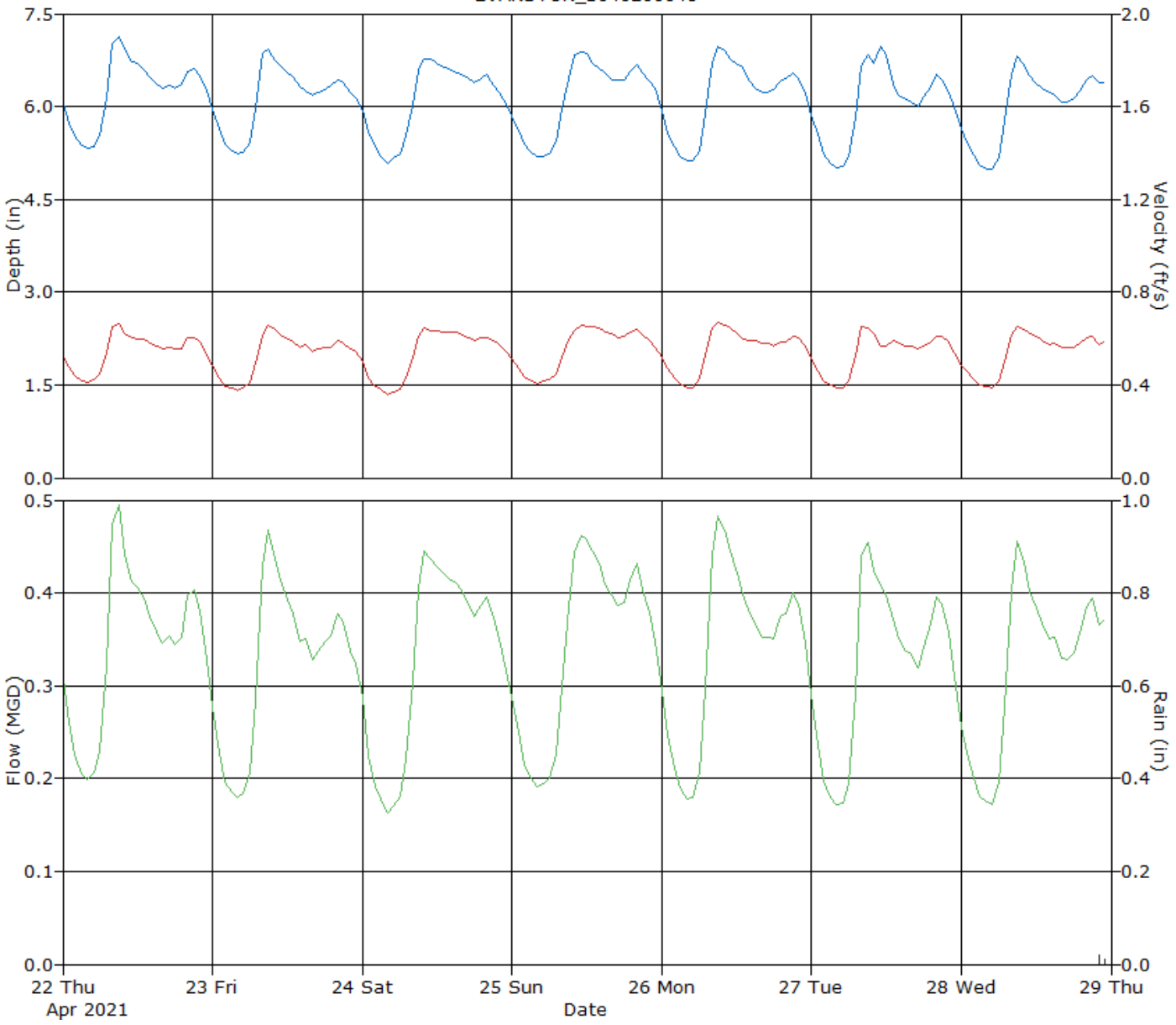


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

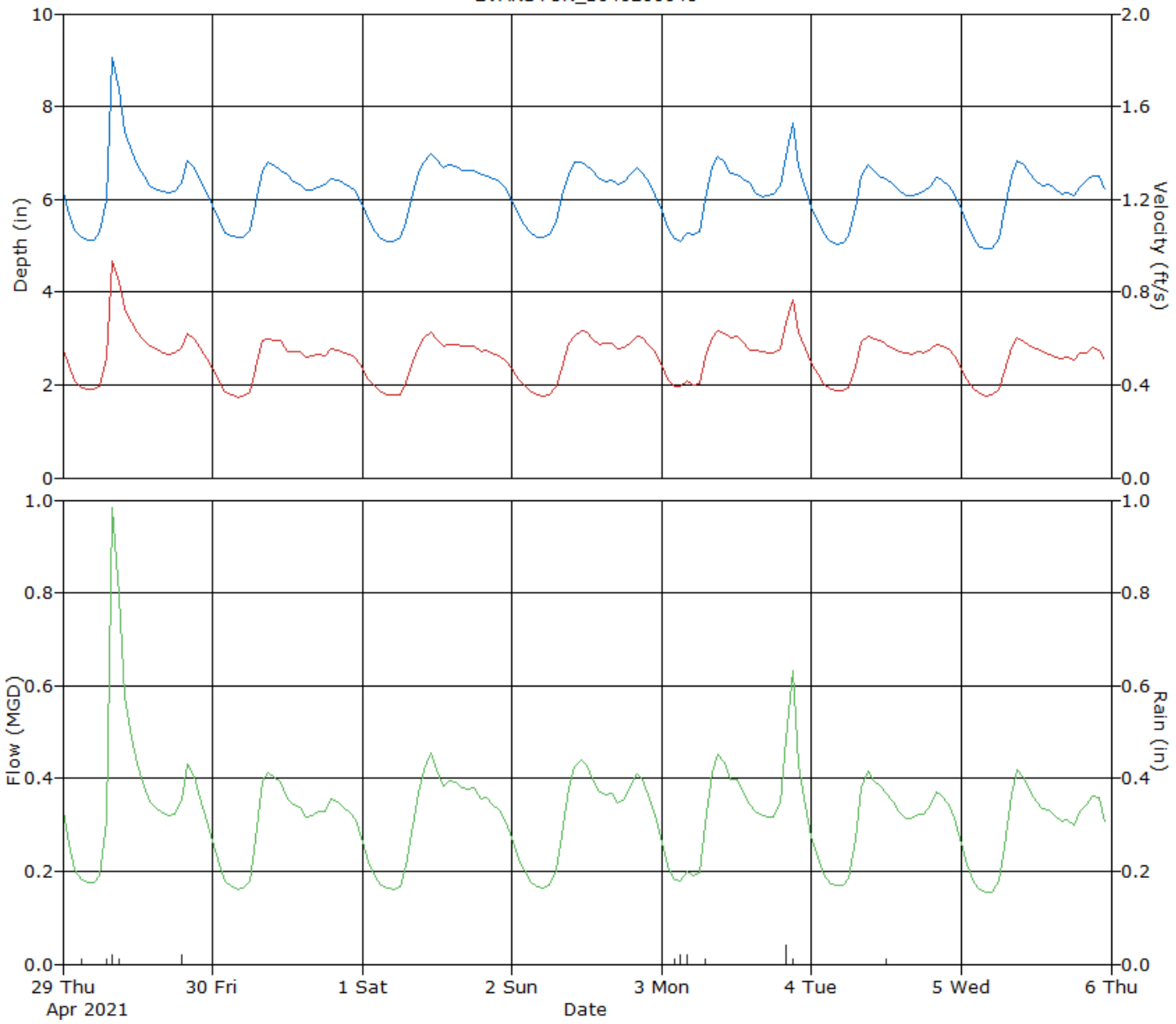
Pipe Height
45.00 in

Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



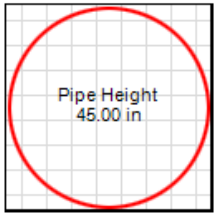
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

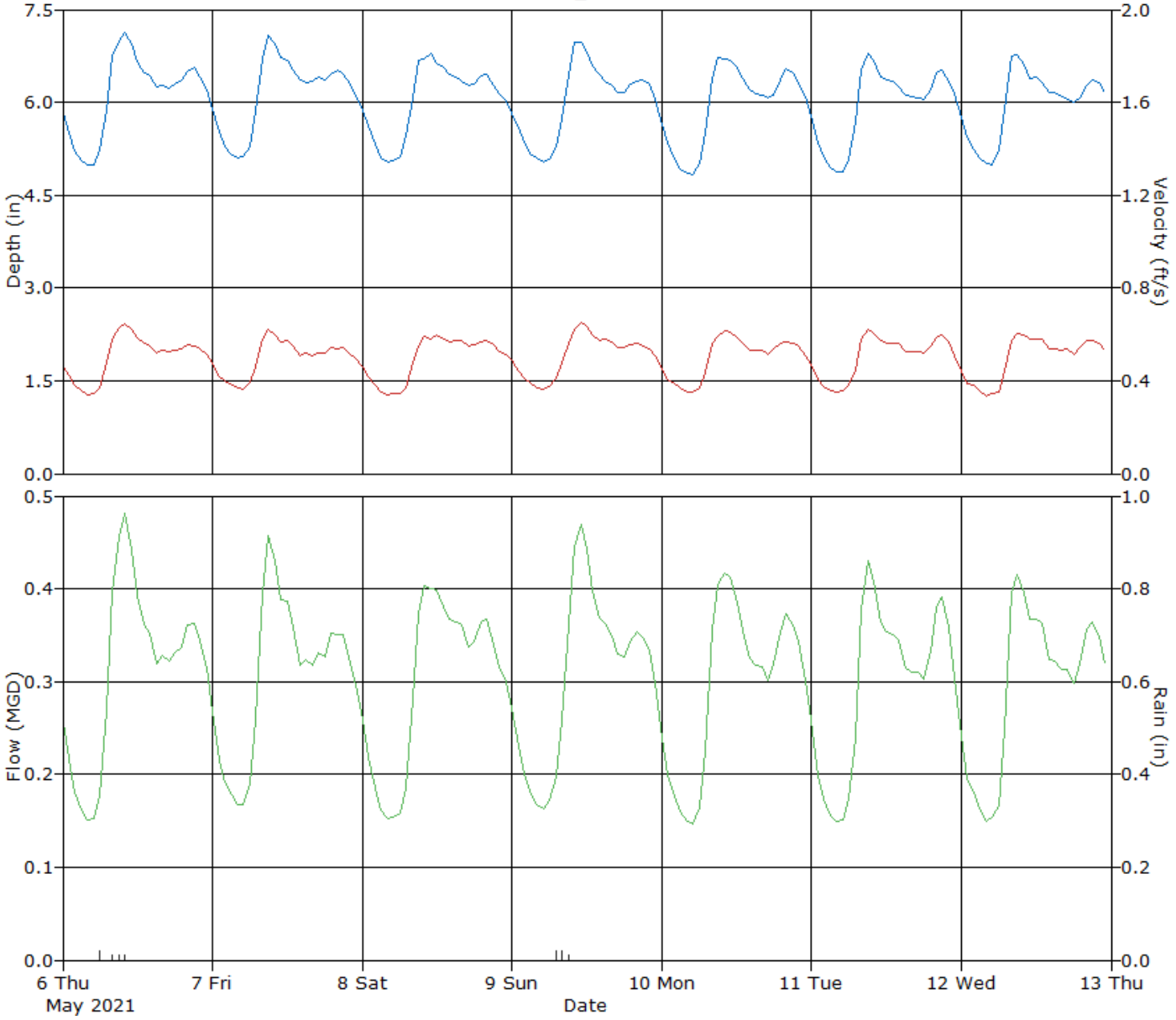


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

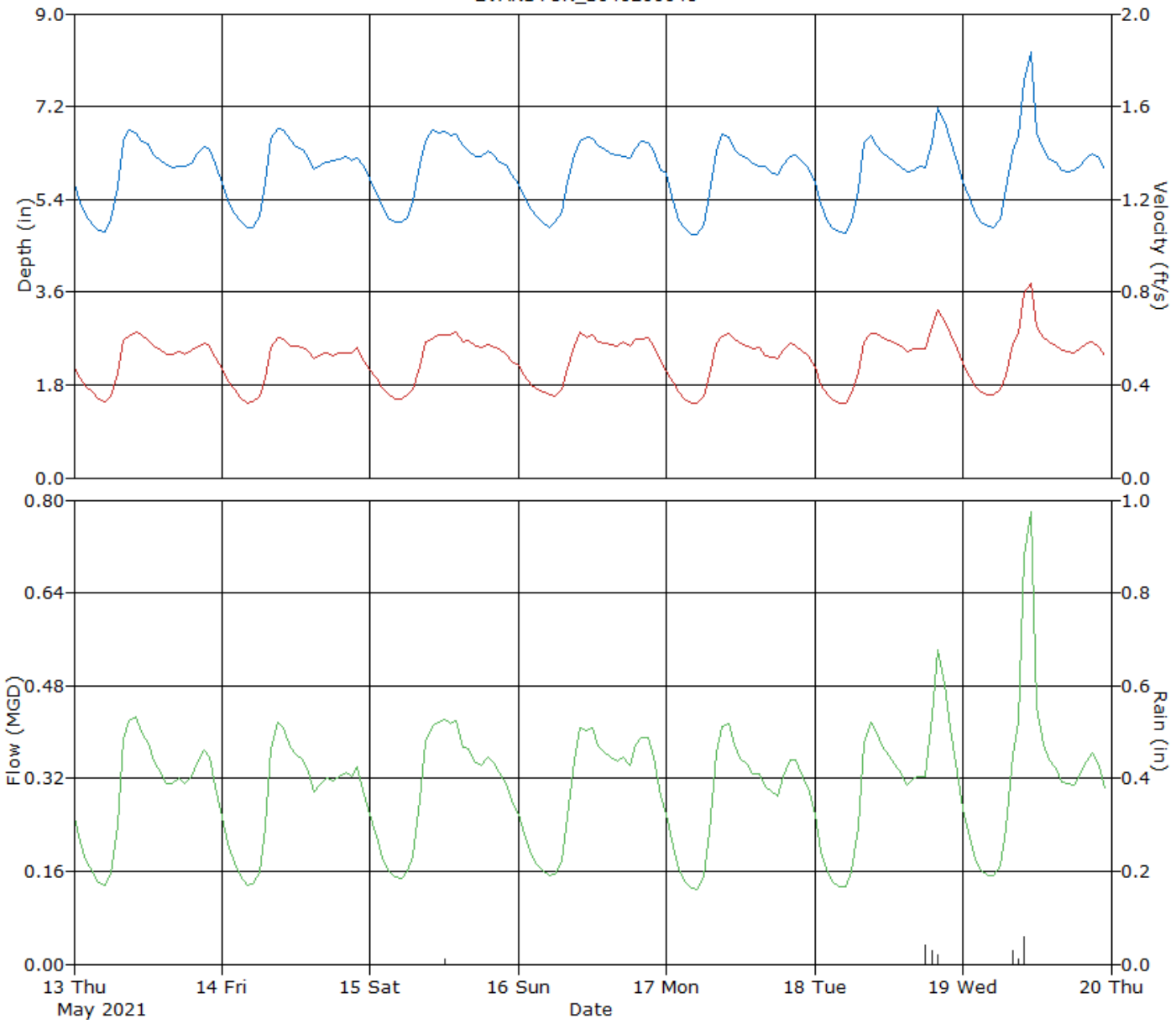
Pipe Height
45.00 in

Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



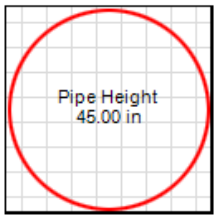
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

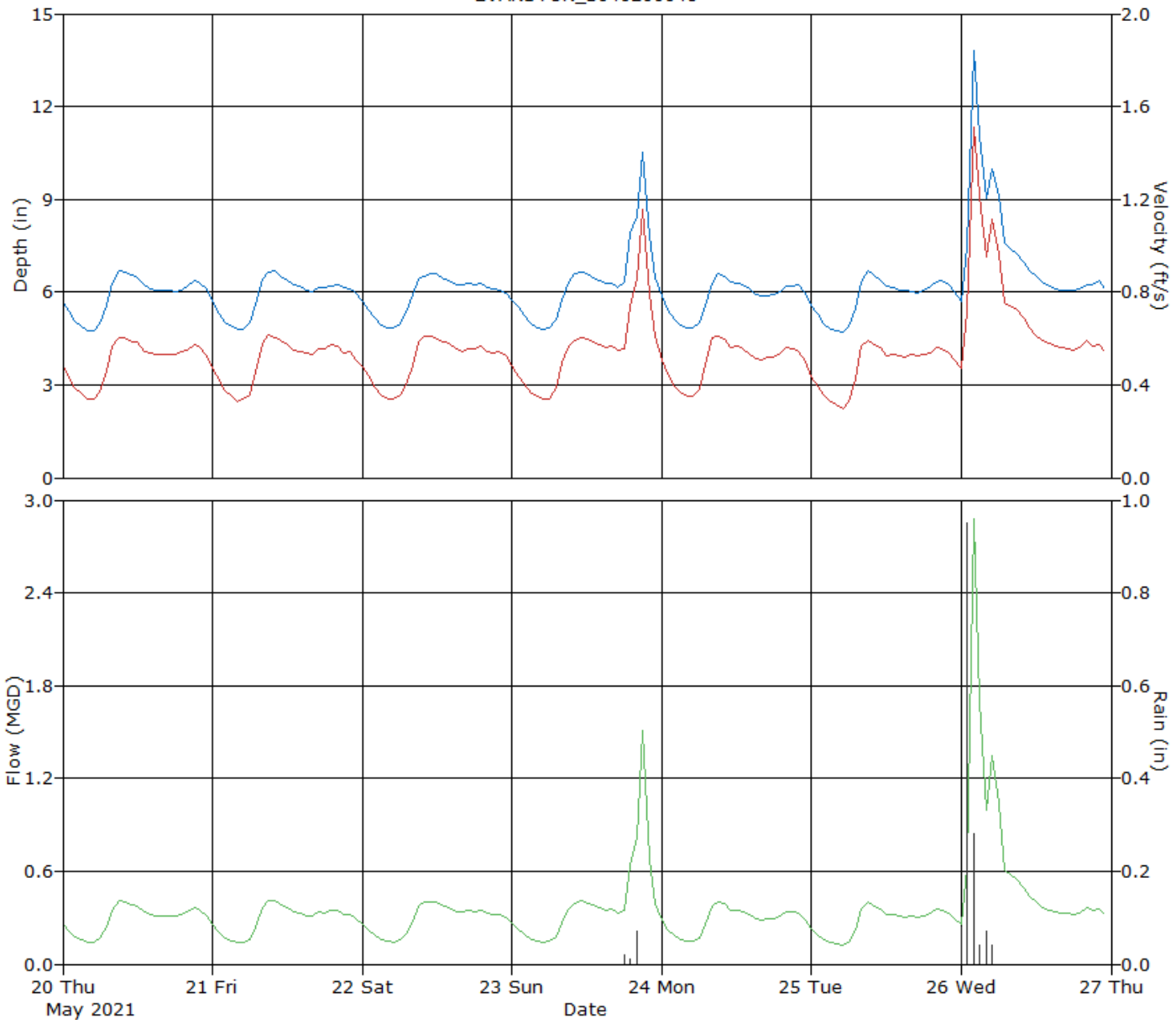


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



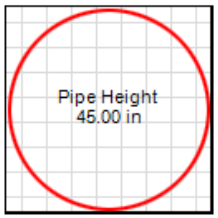
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

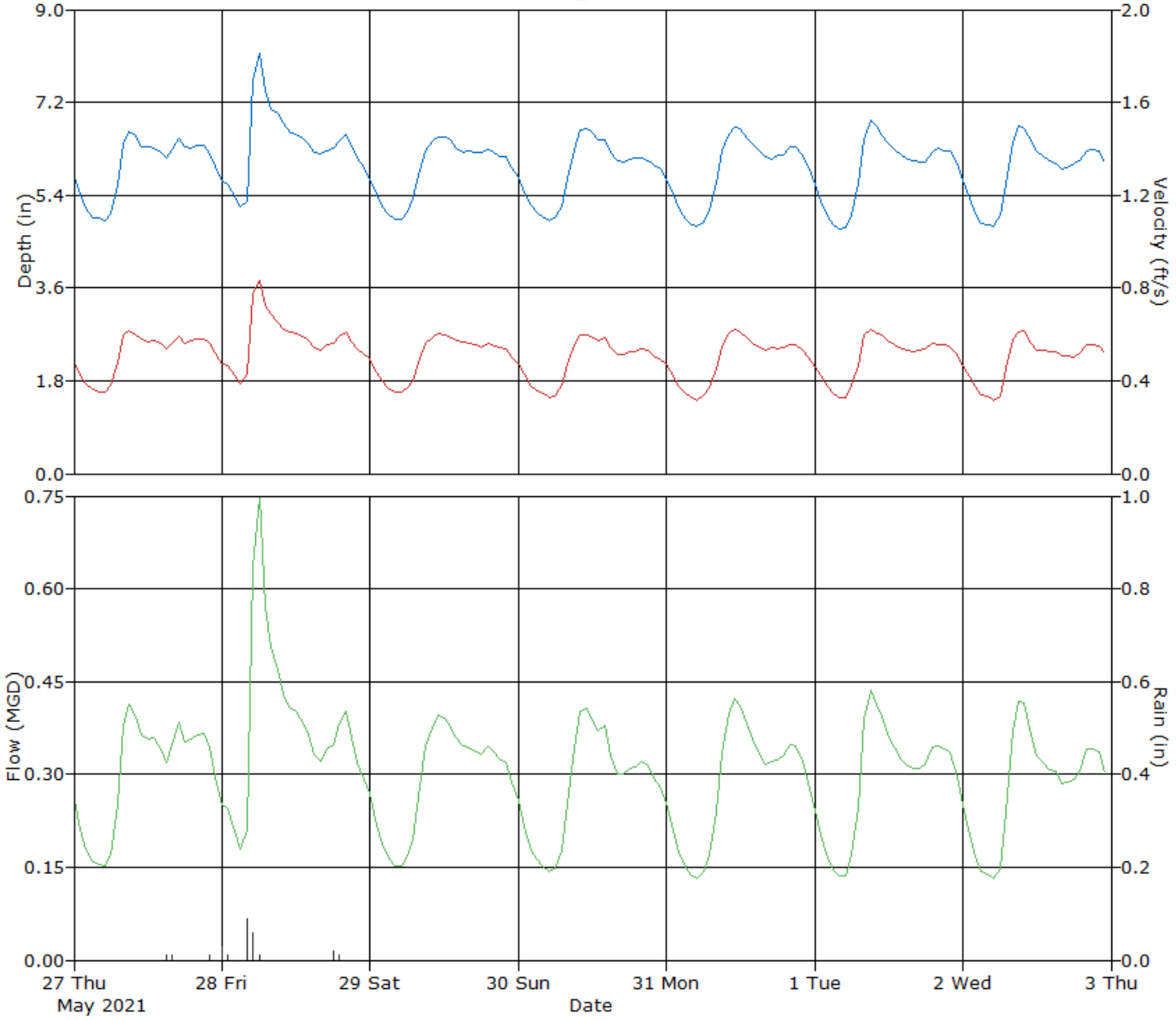


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



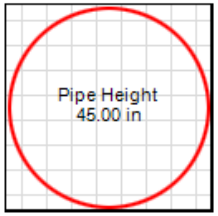
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

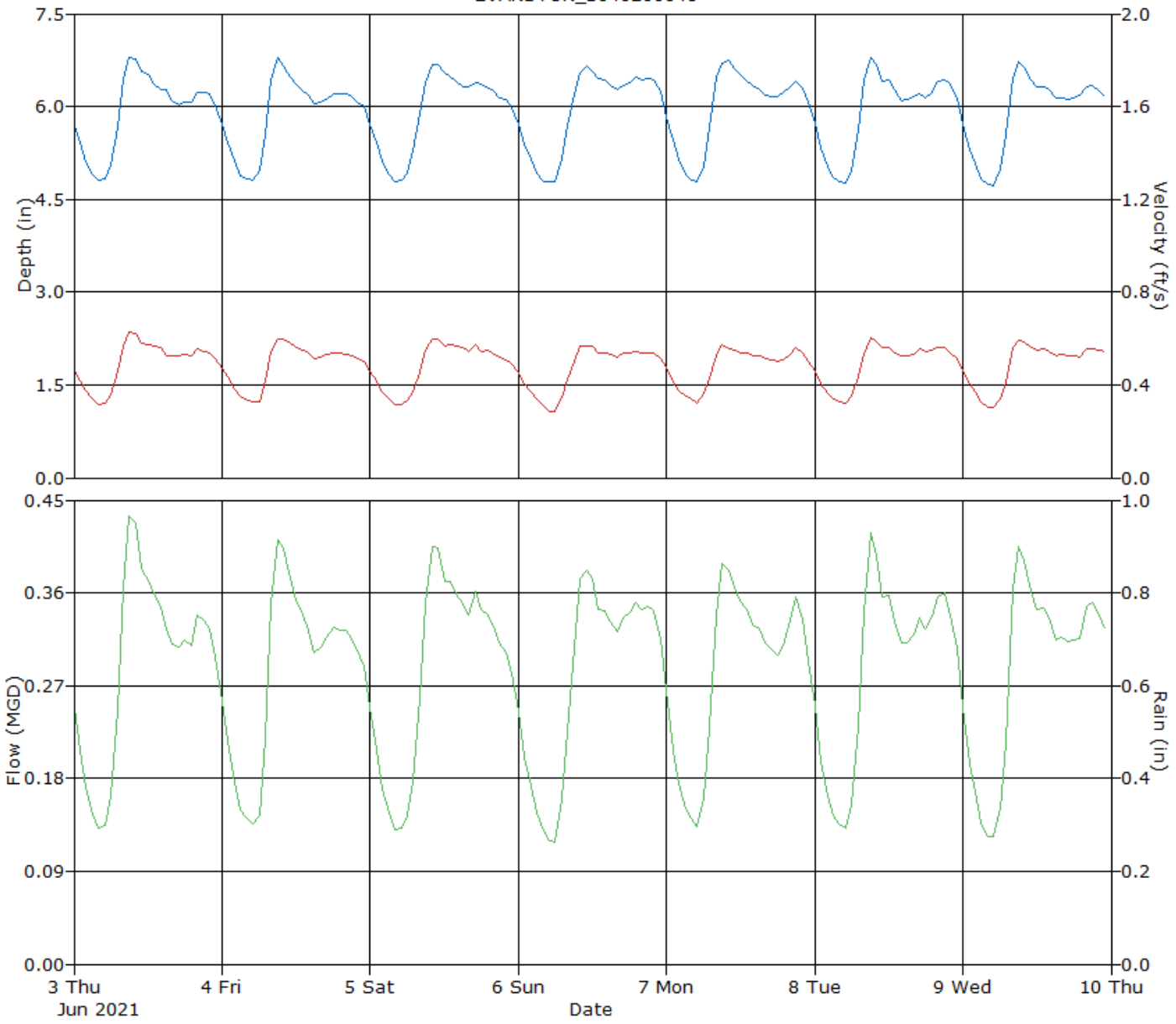


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

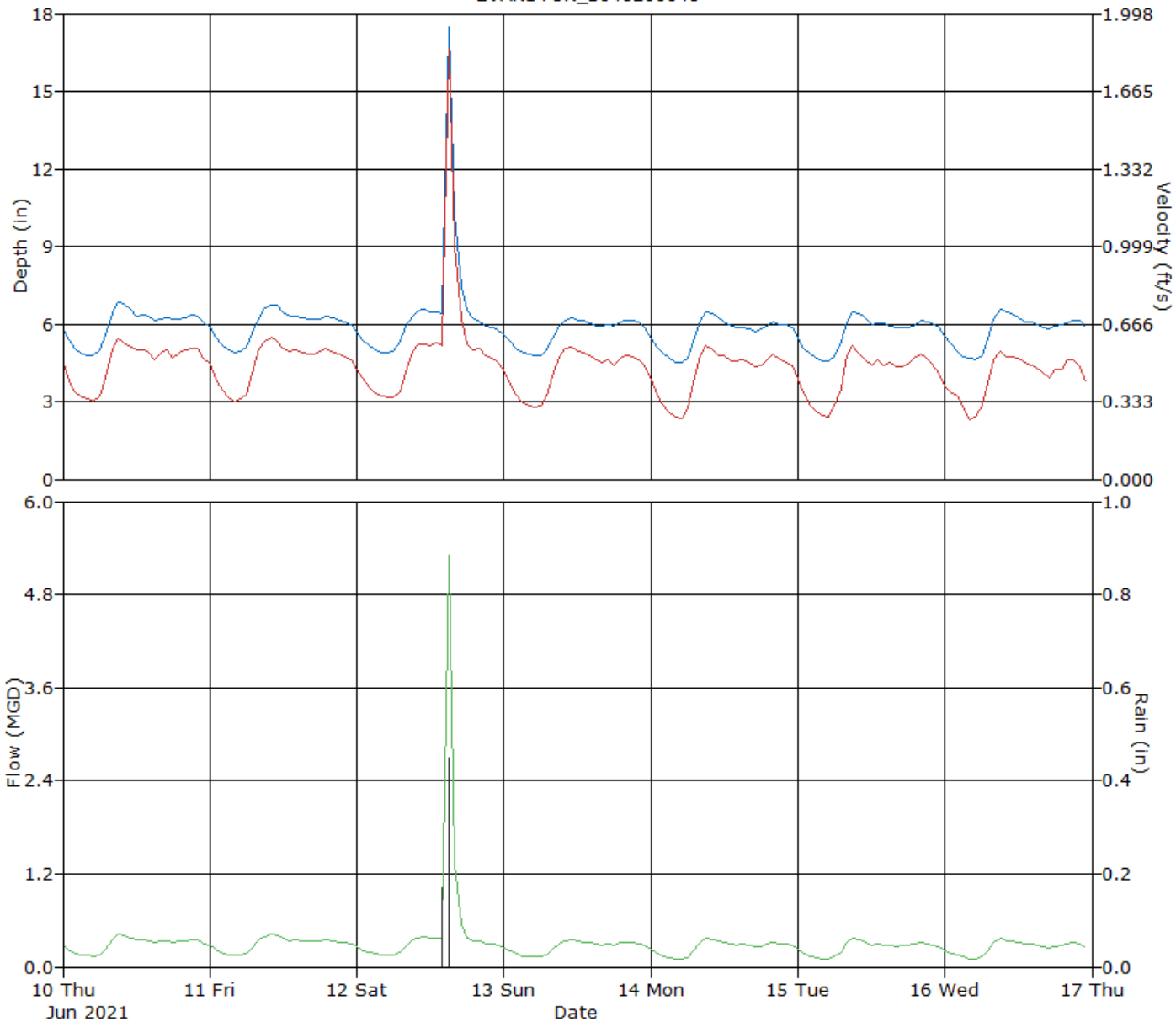
Pipe Height
45.00 in

Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



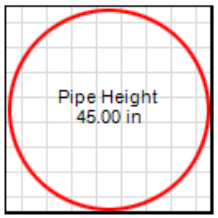
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

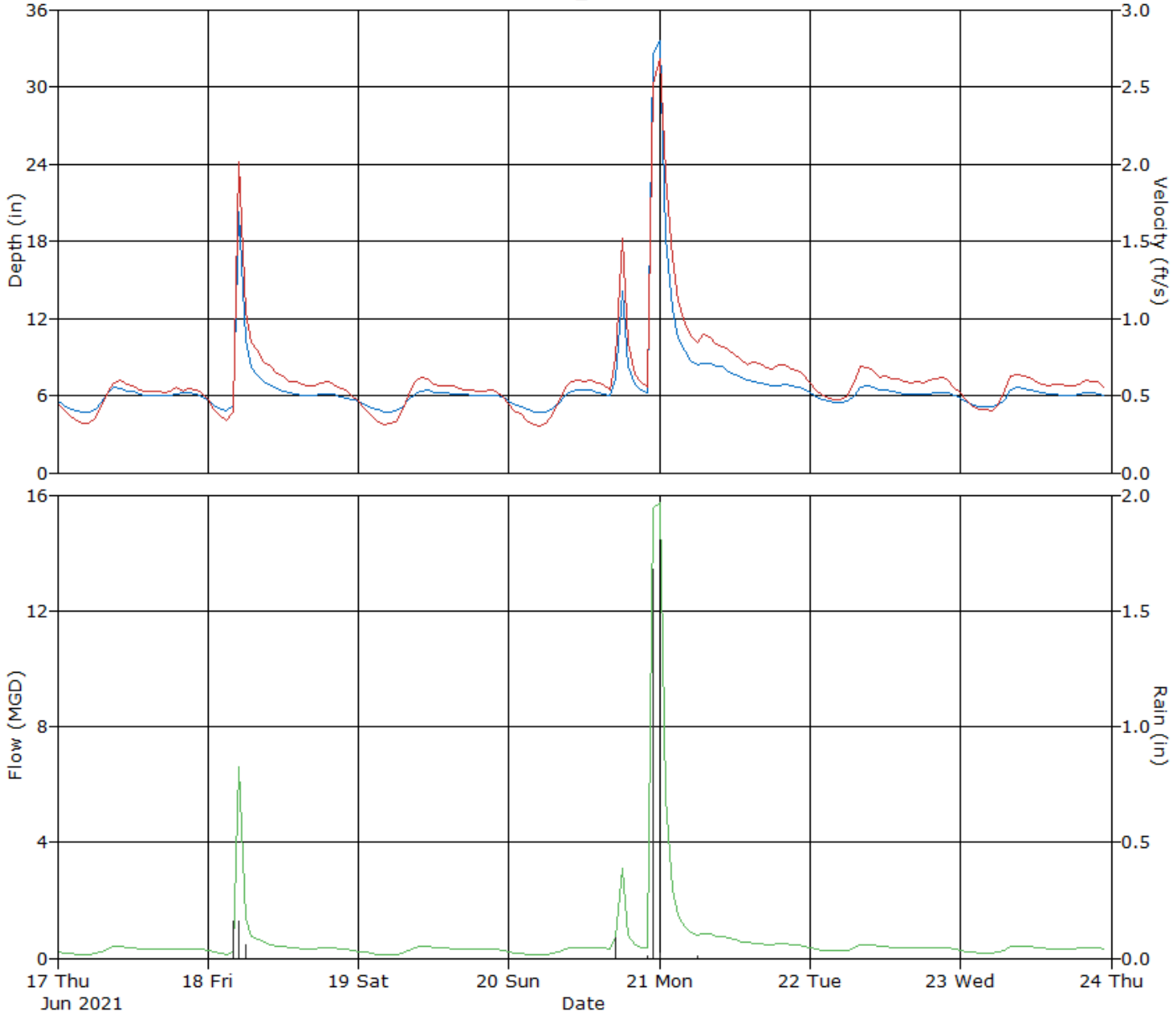


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

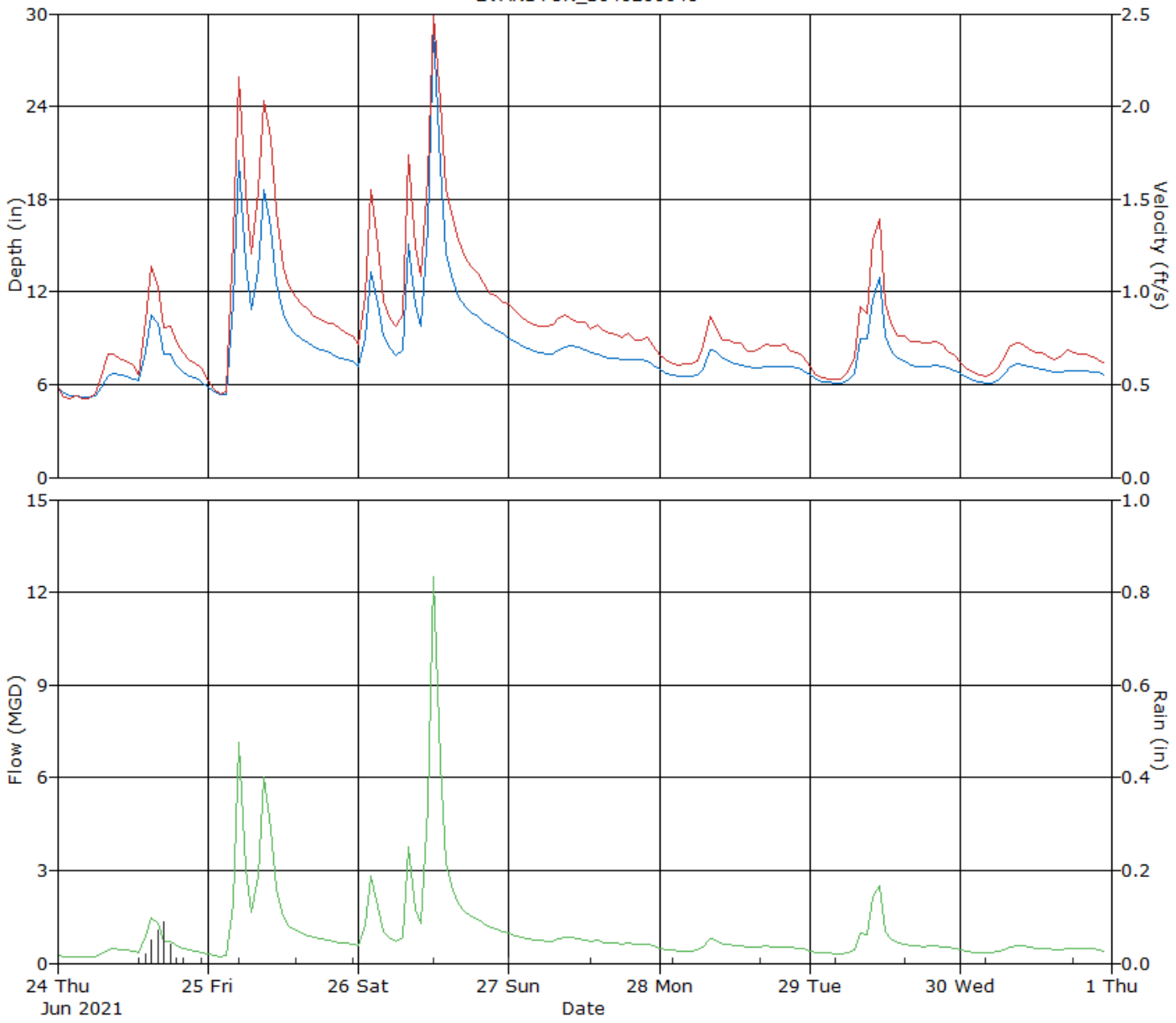
Pipe Height
45.00 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



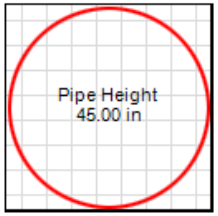
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

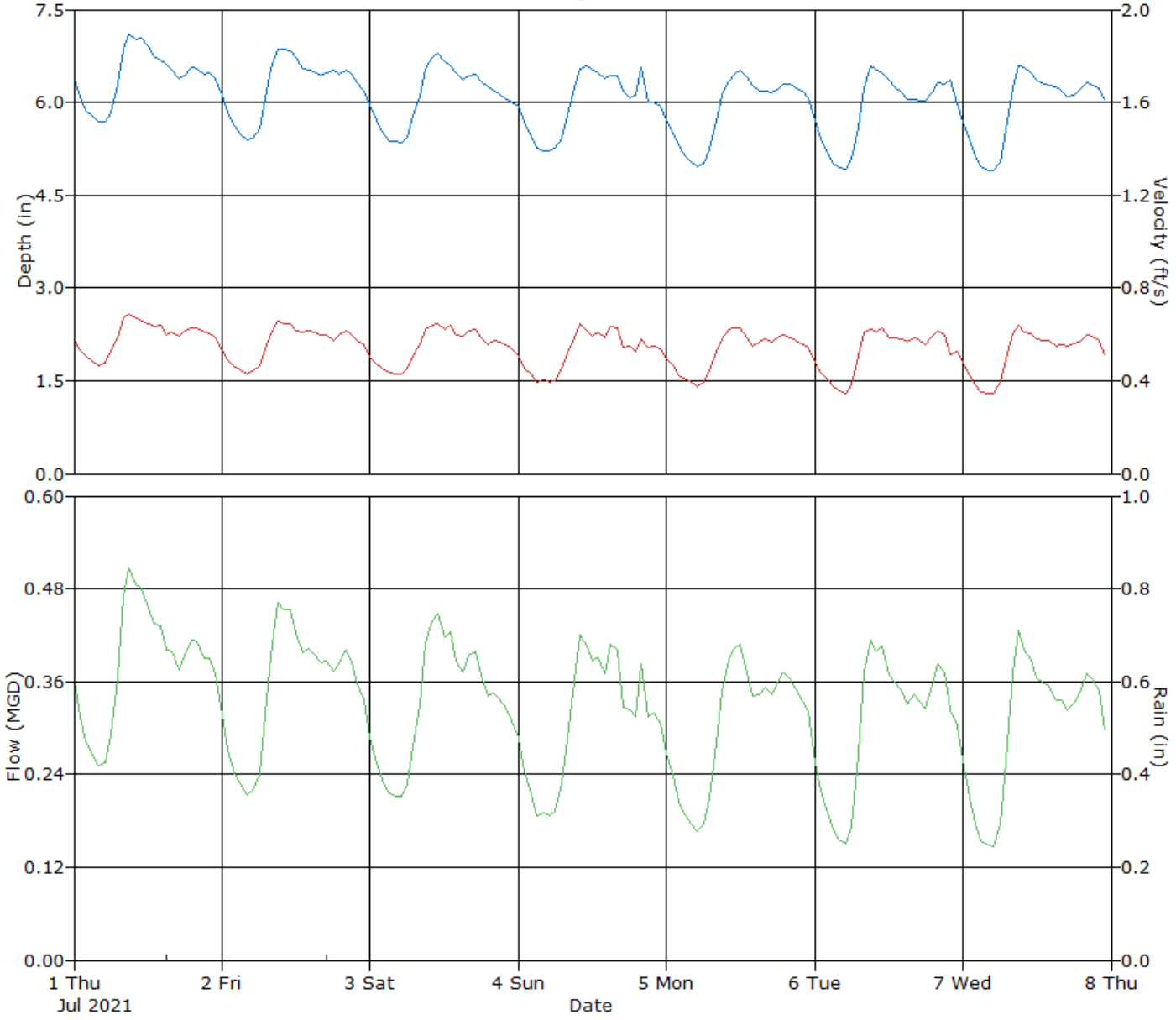


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

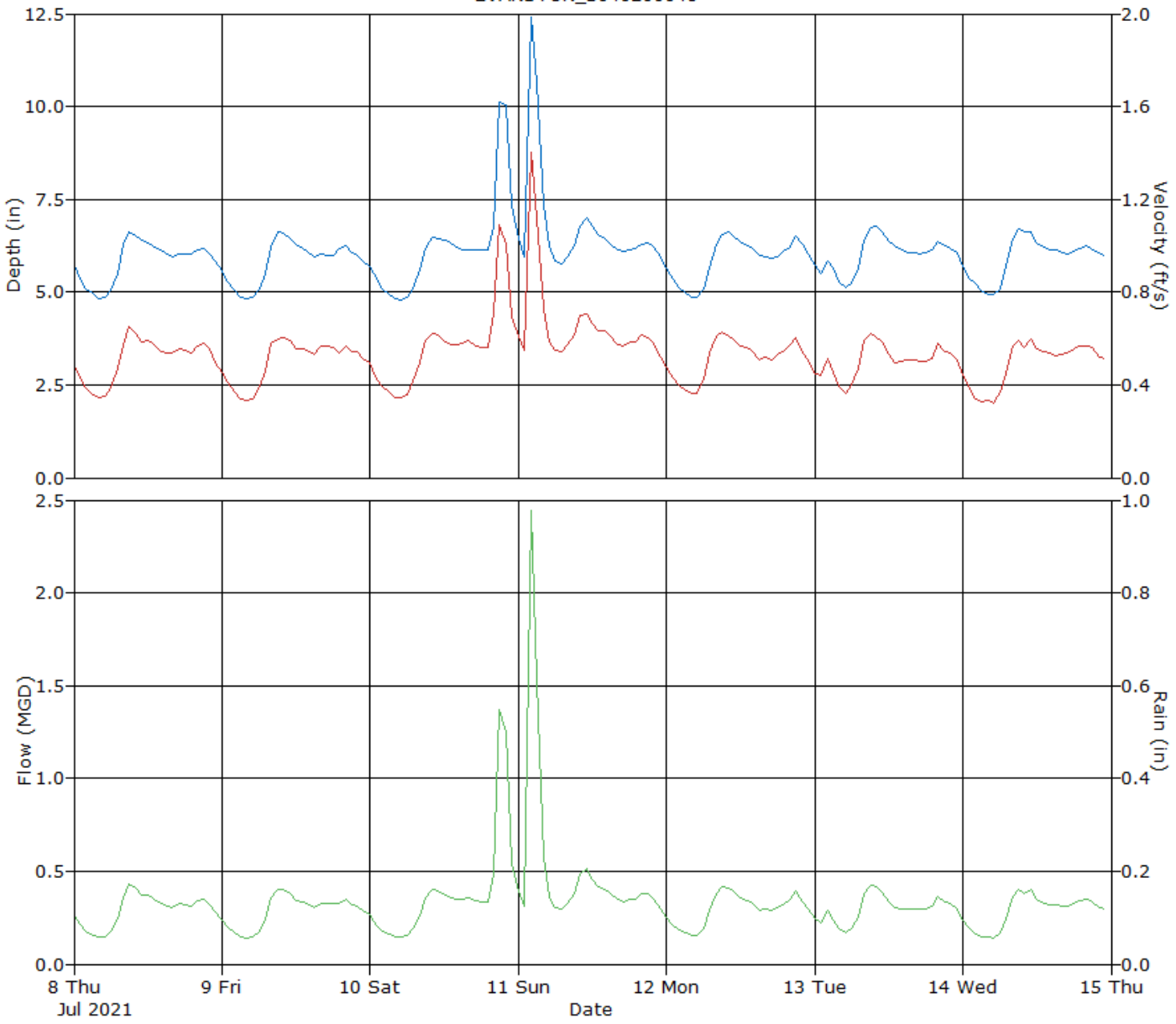
Pipe Height
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Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



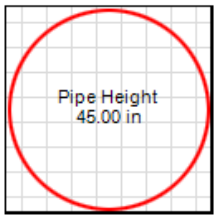
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

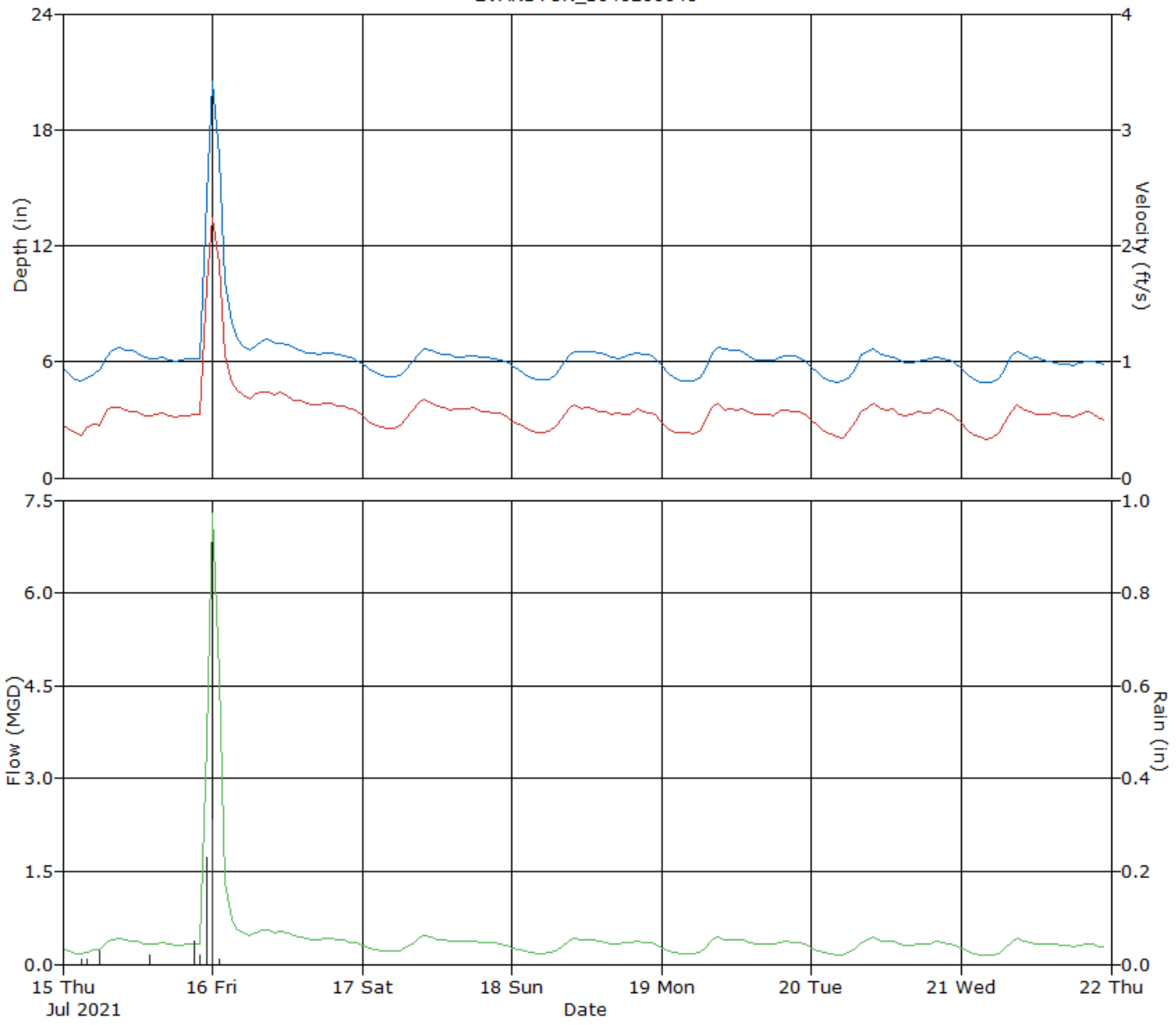


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



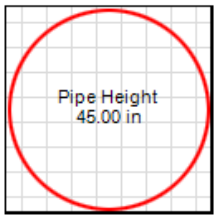
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

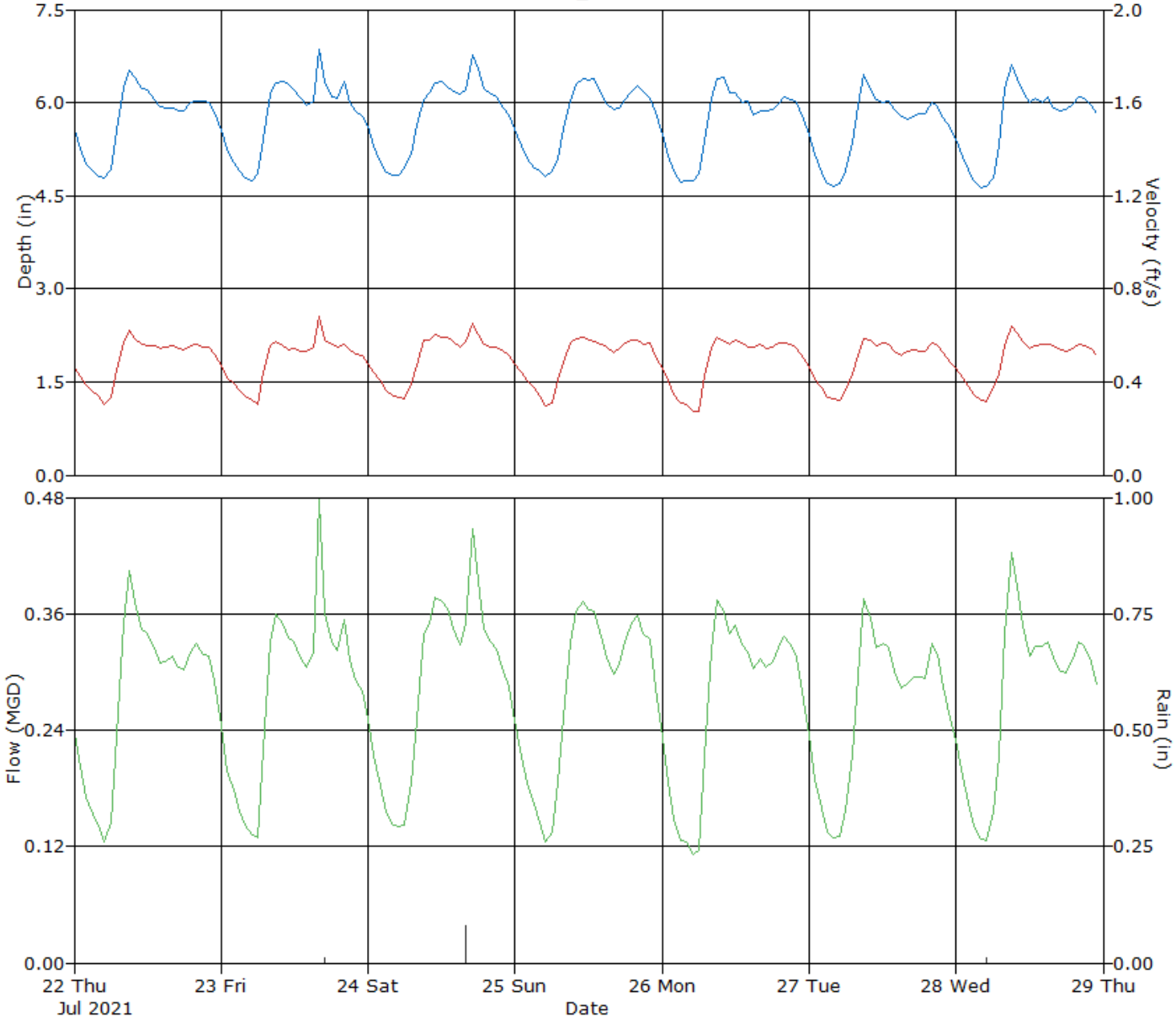


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



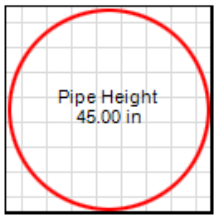
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

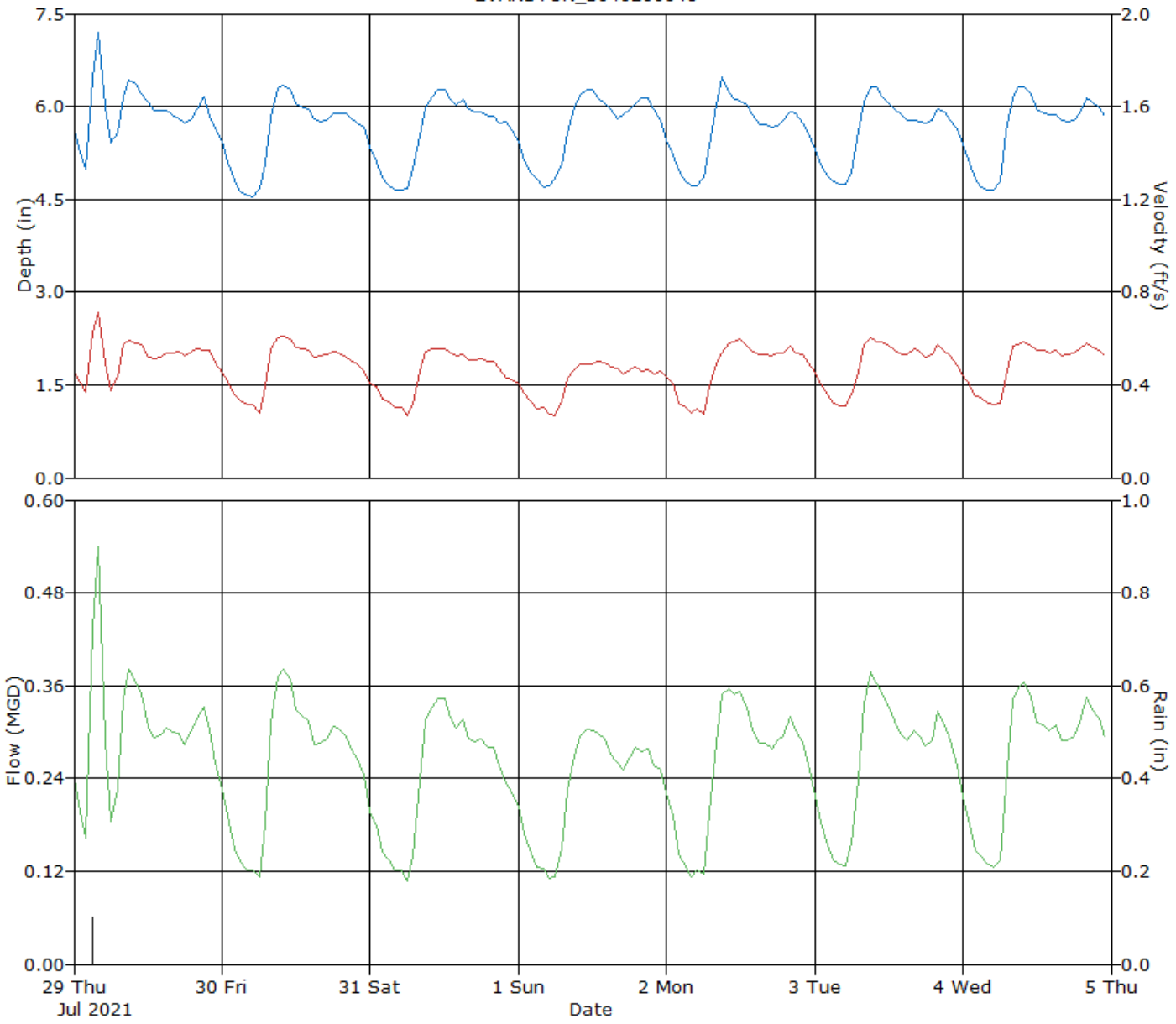


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



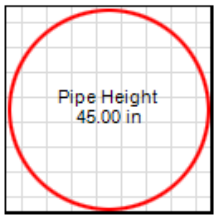
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

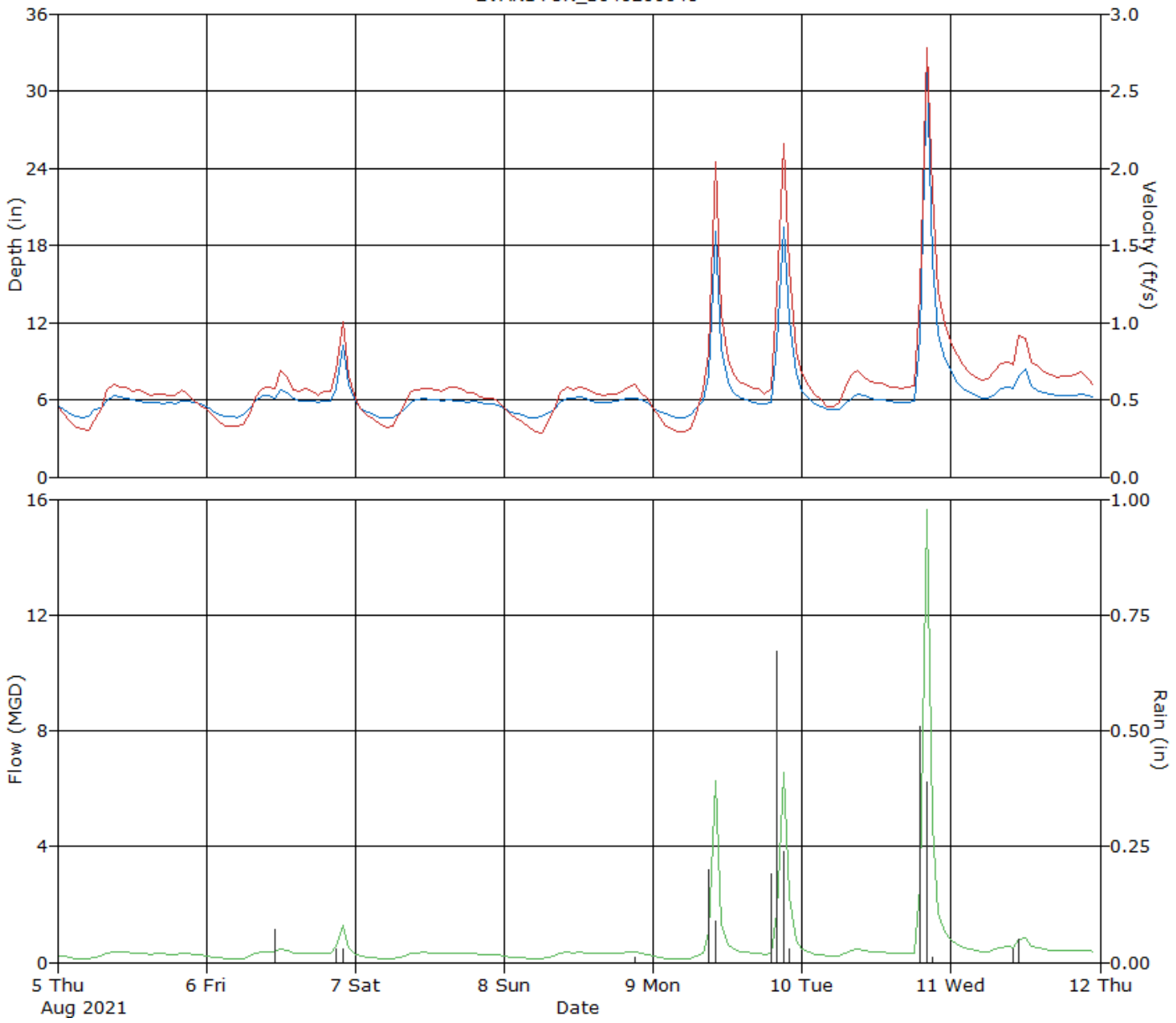


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



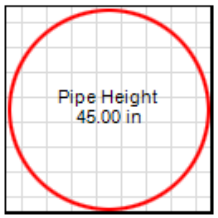
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

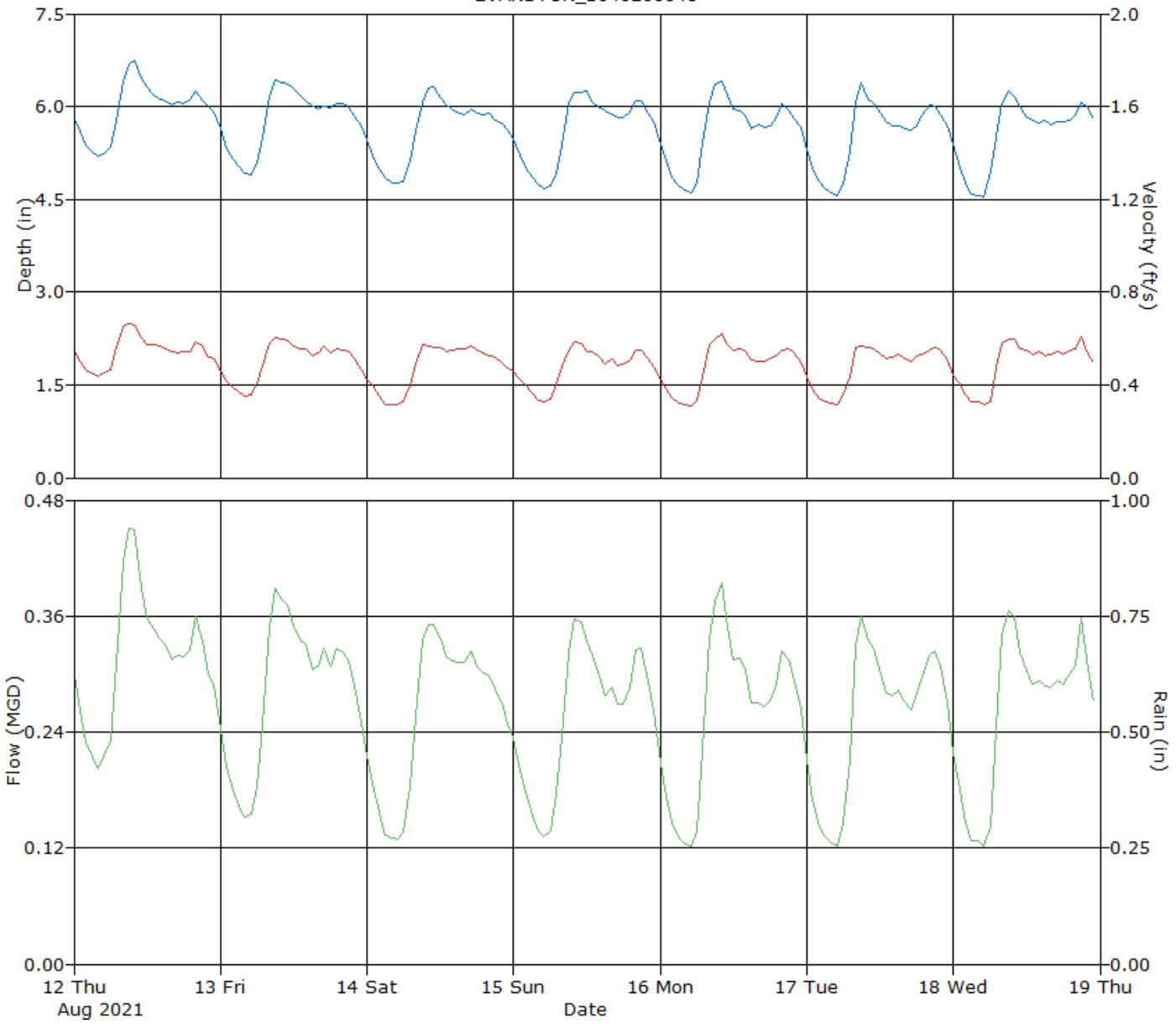


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



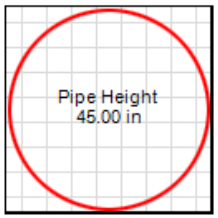
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

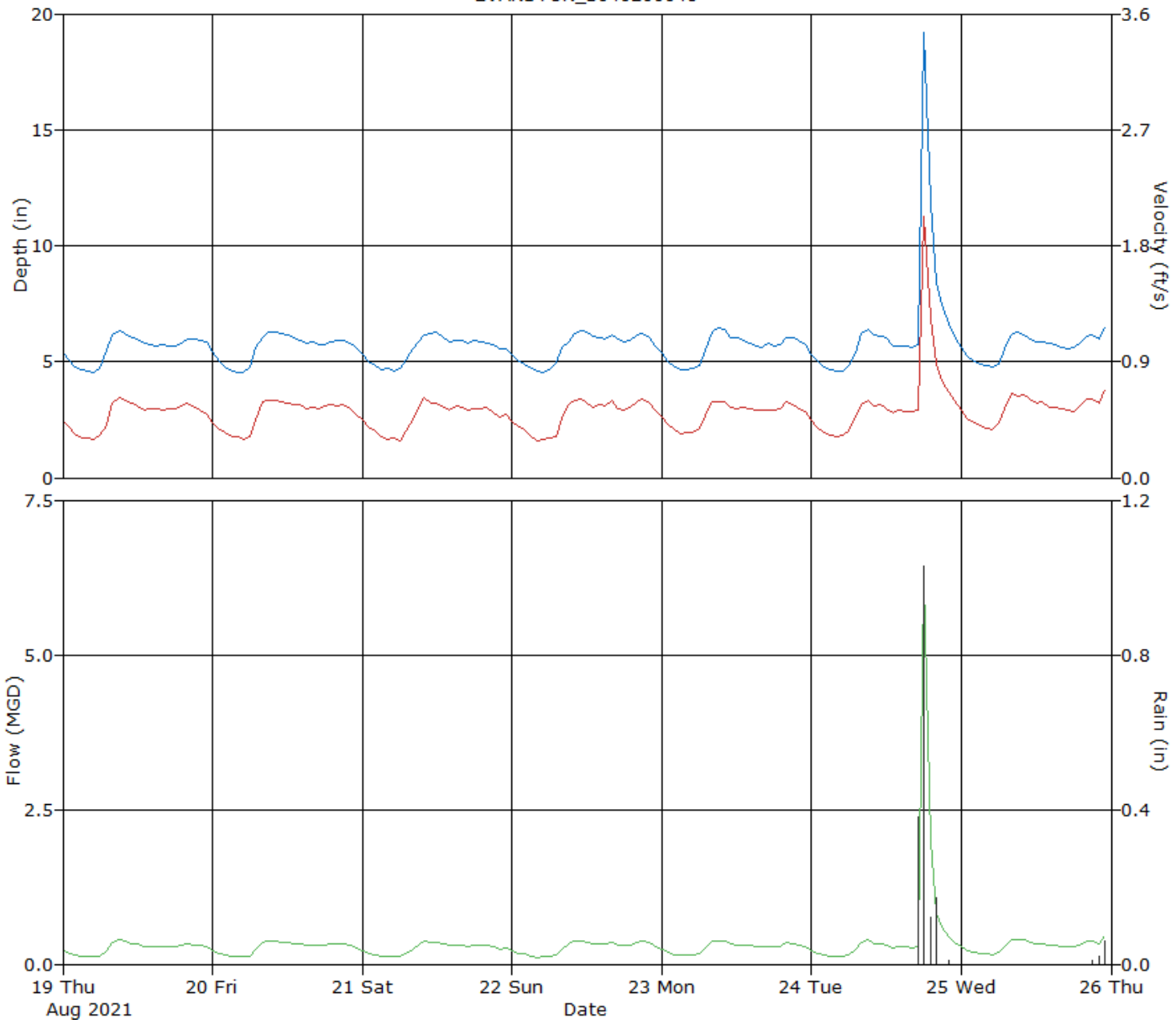


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B040200048

Flow Monitor

EVANSTON_B040200048

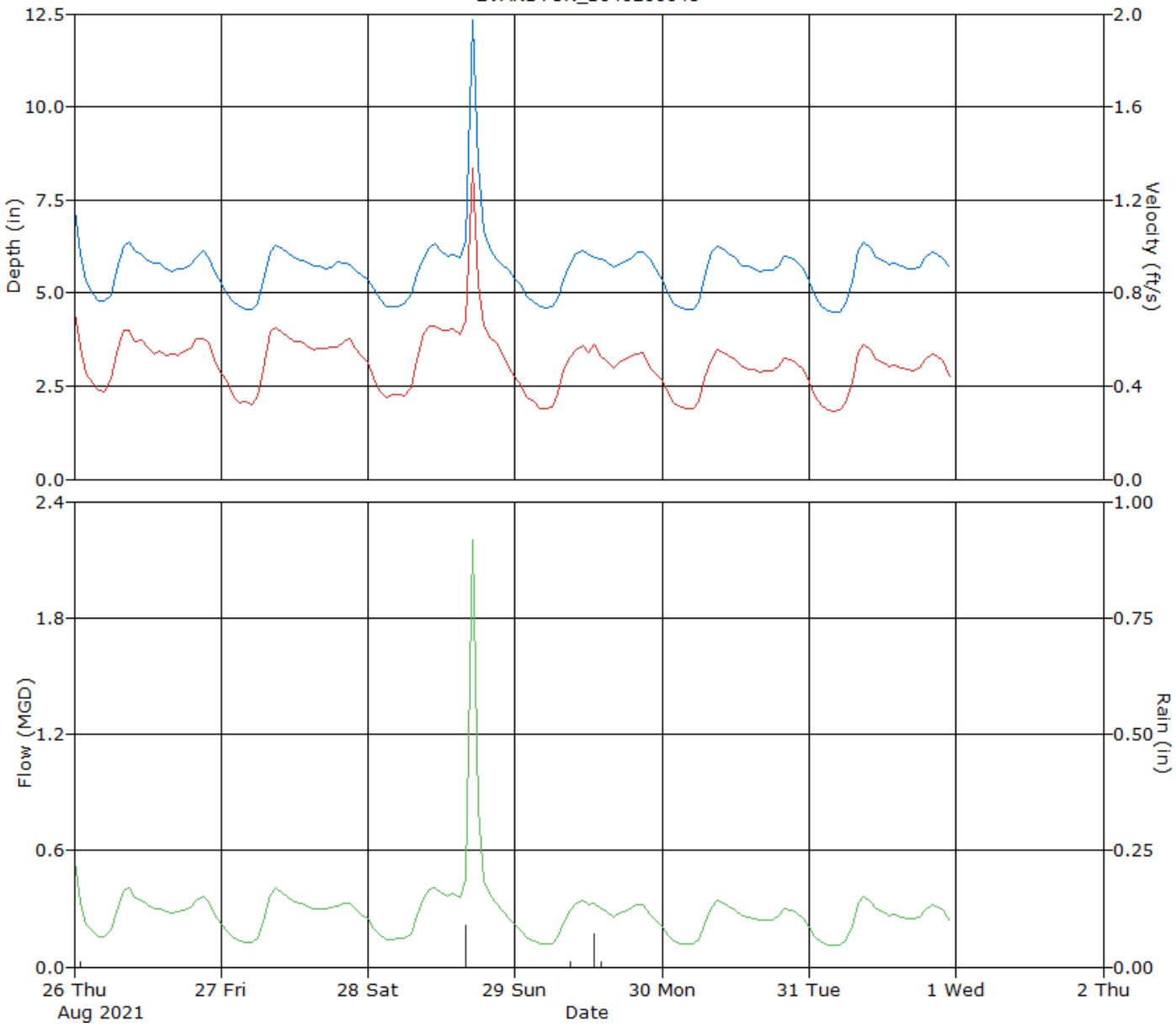
Pipe Height
45.00 in

Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B040200048, Pipe Height: 45.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021	05:10	5.78	10:20	7.29	6.62	05:10	0.43	09:15	0.64	0.55	05:10	0.238	09:25	0.488	0.369	49364	
04/02/2021	05:05	5.80	10:40	7.28	6.62	04:55	0.41	09:40	0.65	0.54	04:55	0.226	10:35	0.493	0.368	49156	
04/03/2021	05:00	5.80	11:10	7.31	6.64	03:40	0.41	10:20	0.65	0.53	03:40	0.228	10:25	0.495	0.361	48256	
04/04/2021	05:45	5.57	10:30	7.39	6.60	05:35	0.37	10:30	0.64	0.52	05:35	0.192	10:30	0.500	0.356	47626	
04/05/2021	04:30	5.47	09:55	7.36	6.49	03:00	0.38	09:55	0.64	0.52	04:40	0.194	09:55	0.501	0.346	46246	
04/06/2021	04:35	5.51	09:25	7.40	6.55	05:15	0.37	10:15	0.63	0.51	05:15	0.191	09:25	0.491	0.346	46242	
04/07/2021	03:50	5.49	09:10	7.37	6.55	06:10	0.37	10:10	0.63	0.51	03:55	0.188	10:10	0.484	0.341	45546	
04/08/2021	05:05	5.60	16:15	15.13	7.86	03:05	0.38	16:20	1.73	0.72	05:00	0.201	16:20	3.715	0.738	98596	0.22
04/09/2021	04:40	5.84	09:35	7.38	6.63	04:25	0.46	08:25	0.67	0.57	04:25	0.258	09:35	0.520	0.382	51064	
04/10/2021	05:20	5.67	18:45	24.36	8.39	05:15	0.39	18:40	2.58	0.80	05:15	0.209	18:45	10.319	1.068	142760	0.58
04/11/2021	23:55	6.91	00:00	8.25	7.54	23:55	0.68	10:25	0.84	0.76	23:55	0.481	00:00	0.757	0.616	82356	
04/12/2021	04:40	6.30	08:55	7.68	6.90	04:50	0.59	09:10	0.79	0.68	04:50	0.366	08:55	0.646	0.484	64712	0.02
04/13/2021	04:30	5.97	09:20	7.37	6.70	04:05	0.52	09:10	0.74	0.63	04:25	0.300	09:15	0.577	0.434	57966	
04/14/2021	05:00	5.84	09:55	7.37	6.64	05:10	0.49	09:05	0.71	0.60	05:10	0.274	09:55	0.545	0.408	54573	
04/15/2021	05:15	5.76	09:05	7.30	6.56	03:40	0.46	10:20	0.68	0.58	03:40	0.250	10:15	0.516	0.384	51341	
04/16/2021	05:25	5.66	09:15	7.31	6.50	04:35	0.43	09:20	0.66	0.55	04:35	0.227	09:15	0.509	0.364	48617	
04/17/2021	06:15	5.61	11:25	7.08	6.46	04:45	0.41	13:50	0.66	0.55	04:30	0.215	11:30	0.478	0.359	47951	
04/18/2021	05:30	5.49	10:30	7.20	6.45	05:45	0.41	11:45	0.66	0.56	05:40	0.208	11:45	0.494	0.367	49025	
04/19/2021	05:25	5.44	09:25	7.13	6.38	05:15	0.41	10:25	0.66	0.56	05:15	0.206	10:25	0.489	0.358	47919	
04/20/2021	05:15	5.37	09:00	7.21	6.30	05:05	0.40	09:10	0.67	0.56	05:05	0.196	09:10	0.508	0.352	47091	
04/21/2021	04:45	5.27	09:30	7.08	6.29	04:25	0.40	09:30	0.68	0.56	04:40	0.194	09:30	0.500	0.353	47191	0.02
04/22/2021	04:40	5.31	08:45	7.18	6.26	03:45	0.40	09:15	0.67	0.55	04:40	0.197	09:05	0.504	0.342	45727	
04/23/2021	04:35	5.22	08:40	7.18	6.13	04:45	0.37	08:55	0.67	0.53	04:45	0.176	08:45	0.495	0.322	43080	
04/24/2021	03:45	4.74	10:50	6.81	6.11	04:35	0.35	10:25	0.65	0.54	04:15	0.151	10:45	0.452	0.328	43842	
04/25/2021	04:35	5.17	11:25	6.90	6.16	04:35	0.40	11:20	0.67	0.56	04:35	0.186	11:25	0.477	0.344	45936	
04/26/2021	04:45	5.10	09:30	6.99	6.15	04:50	0.38	09:40	0.68	0.55	04:50	0.175	09:40	0.490	0.339	45366	
04/27/2021	04:35	5.01	11:50	7.18	6.05	05:50	0.38	08:55	0.69	0.54	04:35	0.170	08:55	0.487	0.322	43057	
04/28/2021	04:35	4.98	09:20	6.86	6.00	05:35	0.39	09:15	0.67	0.54	05:35	0.170	09:20	0.468	0.321	42876	0.03
04/29/2021	05:05	5.09	08:40	9.54	6.35	06:00	0.37	08:25	0.99	0.56	05:05	0.172	08:45	1.102	0.375	50088	0.07
04/30/2021	05:10	5.14	09:25	6.82	6.09	05:05	0.34	09:15	0.61	0.50	05:05	0.156	09:15	0.422	0.300	40161	
05/01/2021	04:55	5.06	11:40	7.04	6.17	06:20	0.35	11:45	0.64	0.50	05:10	0.158	11:40	0.463	0.313	41804	
05/02/2021	06:00	5.15	10:05	6.86	6.13	06:00	0.34	11:25	0.64	0.52	06:00	0.159	11:40	0.443	0.317	42340	
05/03/2021	03:15	5.04	21:10	7.89	6.15	02:45	0.38	21:05	0.80	0.54	03:10	0.173	21:05	0.689	0.335	44826	0.11
05/04/2021	04:30	5.03	09:50	6.77	6.01	06:00	0.37	09:10	0.61	0.51	04:30	0.166	09:55	0.420	0.304	40634	0.01
05/05/2021	04:35	4.92	09:40	6.88	6.01	05:05	0.35	09:35	0.63	0.50	04:45	0.151	09:35	0.441	0.294	39357	
05/06/2021	05:10	4.96	10:20	7.18	6.13	04:55	0.33	10:05	0.66	0.51	04:55	0.147	10:05	0.495	0.311	41592	0.05
05/07/2021	04:35	5.10	09:50	7.17	6.15	05:15	0.36	09:15	0.63	0.50	05:15	0.164	09:45	0.470	0.306	40860	
05/08/2021	04:05	5.04	11:20	6.91	6.05	04:35	0.34	12:15	0.61	0.50	04:35	0.152	12:15	0.411	0.299	39947	
05/09/2021	05:35	5.01	10:30	7.09	6.03	05:15	0.36	11:35	0.67	0.51	05:15	0.161	11:35	0.483	0.307	41024	0.05
05/10/2021	05:35	4.81	09:45	6.76	5.96	05:10	0.35	10:50	0.63	0.50	05:10	0.145	10:50	0.428	0.296	39546	
05/11/2021	05:05	4.86	09:50	6.85	5.96	04:00	0.35	09:50	0.63	0.50	04:40	0.148	09:50	0.444	0.297	39723	
05/12/2021	05:00	4.98	08:30	6.87	5.98	04:40	0.32	08:45	0.62	0.50	04:45	0.142	08:45	0.433	0.295	39430	
05/13/2021	05:10	4.73	09:50	6.83	5.92	05:20	0.30	10:05	0.64	0.51	05:20	0.124	10:00	0.444	0.297	39678	
05/14/2021	05:05	4.80	10:00	6.82	5.93	04:55	0.31	10:05	0.61	0.49	04:55	0.131	10:05	0.424	0.288	38554	
05/15/2021	05:20	4.94	10:45	6.78	6.00	05:20	0.33	14:30	0.66	0.51	05:20	0.145	14:30	0.443	0.303	40511	0.01
05/16/2021	05:35	4.85	11:30	6.64	5.94	06:25	0.35	10:10	0.63	0.52	05:35	0.151	12:30	0.417	0.303	40439	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	05:15	4.69 09:55	6.73	5.83	05:25	0.31 10:15	0.63	0.50	05:25	0.126 09:55	0.428	0.286	38218	
05/18/2021	05:05	4.72 20:15	7.19	5.93	05:10	0.31 20:00	0.75	0.53	05:10	0.126 20:05	0.558	0.312	41691	0.09
05/19/2021	05:15	4.85 10:55	9.65	6.02	05:05	0.35 10:35	1.03	0.54	05:05	0.147 10:50	1.144	0.330	44146	0.10
05/20/2021	05:10	4.74 09:55	6.73	5.88	04:50	0.33 10:00	0.62	0.50	05:05	0.137 10:00	0.425	0.291	38841	
05/21/2021	05:00	4.78 10:45	6.72	5.89	04:35	0.32 09:20	0.63	0.50	04:55	0.134 09:20	0.421	0.291	38877	
05/22/2021	04:55	4.84 12:05	6.64	5.90	05:25	0.34 10:55	0.62	0.50	05:25	0.142 12:05	0.409	0.292	39043	
05/23/2021	05:50	4.78 21:25	11.21	6.34	06:10	0.33 21:15	1.25	0.56	06:10	0.136 21:20	1.772	0.393	52590	0.10
05/24/2021	05:00	4.78 09:35	6.63	5.84	05:05	0.34 09:30	0.62	0.50	05:05	0.143 09:30	0.418	0.286	38253	
05/25/2021	05:20	4.70 09:25	6.72	5.84	05:25	0.29 09:20	0.61	0.48	05:25	0.118 09:20	0.413	0.277	36989	
05/26/2021	00:40	5.59 02:25	14.79	7.35	00:35	0.45 02:30	1.64	0.72	00:40	0.236 02:30	3.405	0.652	87156	1.46
05/27/2021	05:35	4.90 09:35	6.67	5.96	05:15	0.35 08:50	0.63	0.52	05:15	0.149 09:50	0.418	0.303	40500	0.03
05/28/2021	04:20	5.08 06:20	8.25	6.41	04:10	0.38 06:20	0.85	0.58	04:10	0.171 06:20	0.781	0.379	50730	0.23
05/29/2021	05:40	4.92 11:50	6.56	5.90	05:00	0.34 12:00	0.62	0.50	05:00	0.149 12:00	0.410	0.292	38996	
05/30/2021	05:30	4.89 11:20	6.72	5.88	05:50	0.32 11:20	0.62	0.49	05:45	0.139 11:20	0.420	0.281	37498	
05/31/2021	05:15	4.79 11:20	6.73	5.89	05:00	0.31 11:25	0.63	0.49	05:00	0.131 11:25	0.428	0.285	38131	
06/01/2021	04:55	4.74 09:30	6.89	5.90	05:05	0.31 09:00	0.64	0.50	05:05	0.129 09:15	0.443	0.292	39048	
06/02/2021	05:15	4.79 10:00	6.79	5.87	05:45	0.31 10:15	0.63	0.49	05:45	0.129 10:15	0.436	0.281	37560	
06/03/2021	05:10	4.79 10:15	6.85	5.93	04:25	0.31 09:15	0.65	0.50	04:25	0.128 09:15	0.452	0.291	38954	
06/04/2021	05:15	4.80 09:45	6.87	5.89	05:10	0.32 09:15	0.63	0.49	05:10	0.133 09:50	0.434	0.283	37863	
06/05/2021	04:45	4.77 10:45	6.72	5.92	04:35	0.31 10:40	0.62	0.49	04:35	0.128 10:40	0.425	0.284	38029	
06/06/2021	06:05	4.74 11:45	6.71	5.94	06:10	0.27 10:20	0.58	0.47	06:10	0.110 11:45	0.391	0.278	37161	
06/07/2021	05:10	4.76 10:35	6.77	5.98	05:05	0.31 12:10	0.60	0.48	05:05	0.129 09:10	0.396	0.285	38040	
06/08/2021	05:05	4.74 09:35	6.84	5.93	05:10	0.32 09:15	0.63	0.49	05:10	0.131 09:15	0.440	0.288	38454	
06/09/2021	05:40	4.72 08:50	6.79	5.91	05:35	0.29 08:40	0.61	0.49	05:35	0.119 08:45	0.419	0.285	38096	
06/10/2021	04:50	4.78 09:45	6.86	5.95	05:45	0.33 08:55	0.61	0.50	05:45	0.137 09:35	0.425	0.293	39137	
06/11/2021	04:40	4.90 11:20	6.80	5.96	04:30	0.32 10:20	0.63	0.50	04:30	0.140 10:20	0.430	0.294	39309	
06/12/2021	04:50	4.88 15:20	22.36	6.57	06:40	0.33 15:20	2.28	0.57	06:40	0.146 15:20	8.240	0.542	72455	0.62
06/13/2021	05:55	4.73 11:15	6.25	5.68	05:40	0.30 11:30	0.58	0.47	05:50	0.125 11:30	0.355	0.255	34153	
06/14/2021	05:00	4.48 09:20	6.48	5.64	05:15	0.25 09:15	0.59	0.46	05:15	0.096 09:15	0.380	0.249	33304	
06/15/2021	05:05	4.52 09:40	6.52	5.67	05:35	0.26 09:20	0.58	0.45	05:25	0.102 09:25	0.374	0.247	33015	
06/16/2021	05:00	4.64 09:45	6.60	5.73	03:35	0.22 08:45	0.59	0.44	03:35	0.089 09:25	0.378	0.246	32869	
06/17/2021	04:45	4.66 09:45	6.62	5.79	04:45	0.32 19:20	0.78	0.49	04:45	0.128 19:20	0.452	0.275	36769	
06/18/2021	03:30	4.77 05:10	24.17	6.87	03:30	0.34 05:15	2.33	0.65	03:30	0.140 05:15	9.318	0.656	87689	0.38
06/19/2021	04:50	4.69 11:30	6.45	5.72	05:05	0.30 10:55	0.65	0.49	05:05	0.122 11:30	0.415	0.272	36348	
06/20/2021	05:50	4.67 23:35	49.04	7.37	05:30	0.29 23:35	3.55	0.64	05:30	0.118 23:35	25.883	1.069	142870	1.78
06/21/2021	23:55	6.40 00:00	40.90	9.43	23:55	0.60 00:10	3.06	0.93	23:55	0.380 00:00	21.141	1.573	210264	0.03
06/22/2021	05:10	5.47 08:55	6.82	6.10	05:10	0.45 09:10	0.71	0.58	05:10	0.227 09:10	0.495	0.348	46456	
06/23/2021	04:25	5.08 09:25	6.63	5.92	03:05	0.39 08:55	0.66	0.54	05:20	0.180 08:55	0.441	0.312	41752	
06/24/2021	05:00	5.14 15:55	11.42	6.66	03:15	0.40 15:55	1.27	0.64	04:40	0.188 15:55	1.855	0.478	63840	0.31
06/25/2021	03:45	5.18 05:25	23.78	10.08	03:30	0.40 05:30	2.44	1.07	03:30	0.189 05:30	9.483	1.704	227798	0.03
06/26/2021	01:25	6.95 12:00	33.36	11.89	00:30	0.69 12:00	2.83	1.24	01:25	0.497 12:00	16.415	2.386	318896	0.01
06/27/2021	23:55	7.17 00:00	9.13	8.04	23:25	0.67 00:00	0.95	0.81	23:25	0.519 00:00	1.012	0.723	96602	0.02
06/28/2021	03:45	6.49 08:35	8.42	7.11	03:15	0.58 08:15	0.90	0.69	03:15	0.381 08:30	0.847	0.517	69117	0.02
06/29/2021	04:55	6.03 10:55	15.95	7.60	05:05	0.49 10:55	1.83	0.75	05:05	0.288 10:55	4.246	0.690	92200	0.02
06/30/2021	04:15	6.07 09:30	7.34	6.74	04:45	0.52 09:15	0.76	0.64	04:45	0.309 09:15	0.588	0.442	59049	0.02
07/01/2021	04:55	5.67 09:25	7.14	6.43	04:25	0.46 09:05	0.72	0.59	04:25	0.246 09:05	0.532	0.383	51198	0.01
07/02/2021	04:50	5.38 10:00	6.93	6.26	04:20	0.41 11:15	0.69	0.56	04:20	0.203 09:35	0.478	0.352	46989	0.01
07/03/2021	05:00	5.34 11:15	6.81	6.11	04:35	0.40 13:30	0.68	0.55	05:00	0.198 11:00	0.462	0.332	44334	
07/04/2021	05:10	5.20 20:10	7.19	5.99	05:50	0.37 20:10	0.69	0.53	05:50	0.176 20:10	0.522	0.310	41476	
07/05/2021	05:10	4.96 12:20	6.55	5.90	05:45	0.37 12:15	0.65	0.53	05:45	0.161 12:15	0.425	0.304	40651	
07/06/2021	05:15	4.88 22:20	6.65	5.91	05:00	0.33 11:00	0.66	0.53	05:00	0.141 09:10	0.434	0.305	40706	
07/07/2021	05:20	4.87 09:35	6.62	5.92	05:10	0.32 09:55	0.68	0.52	05:10	0.137 09:55	0.451	0.302	40342	
07/08/2021	04:40	4.80 09:10	6.66	5.83	04:25	0.33 09:10	0.69	0.51	04:25	0.140 09:10	0.464	0.292	39010	
07/09/2021	05:05	4.80 09:50	6.73	5.81	04:45	0.32 09:15	0.63	0.50	04:45	0.132 09:45	0.423	0.285	38033	
07/10/2021	05:30	4.78 21:55	11.67	6.22	06:10	0.31 22:00	1.23	0.57	06:05	0.132 22:00	1.836	0.387	51793	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	07:35	5.74	02:40	14.34	6.75	23:30	0.48	02:45	1.68	0.66	23:30	0.274	02:45	3.345	0.515	68856	
07/12/2021	05:05	4.84	10:10	6.72	5.89	03:05	0.35	09:55	0.68	0.51	05:00	0.149	09:55	0.460	0.295	39497	
07/13/2021	05:15	5.11	09:45	6.83	6.02	05:10	0.34	09:30	0.65	0.50	05:10	0.158	09:30	0.454	0.298	39781	
07/14/2021	05:15	4.92	11:05	6.88	5.91	02:20	0.31	11:05	0.70	0.49	05:40	0.137	11:05	0.496	0.286	38281	
07/15/2021	04:00	4.92	23:55	17.27	6.35	03:50	0.35	23:55	1.97	0.57	03:50	0.154	23:55	5.080	0.442	59052	0.37
07/16/2021	23:25	6.06	00:30	21.52	7.85	23:25	0.55	00:30	2.36	0.81	23:25	0.323	00:30	8.133	0.962	128634	0.32
07/17/2021	04:55	5.21	10:40	6.66	6.01	04:35	0.41	10:30	0.71	0.55	04:40	0.196	10:30	0.474	0.326	43579	
07/18/2021	05:40	5.04	12:25	6.57	6.00	04:45	0.37	10:30	0.66	0.52	04:45	0.166	10:30	0.434	0.308	41222	
07/19/2021	05:15	5.00	09:40	6.78	5.98	05:20	0.37	09:30	0.67	0.52	05:20	0.162	09:30	0.457	0.308	41112	
07/20/2021	04:30	4.89	10:20	6.74	5.88	05:05	0.31	10:15	0.71	0.52	05:05	0.134	10:15	0.481	0.298	39862	
07/21/2021	05:00	4.86	09:40	6.57	5.78	04:45	0.32	09:45	0.66	0.50	04:45	0.137	09:45	0.434	0.279	37348	
07/22/2021	05:05	4.76	09:35	6.56	5.74	05:45	0.23	09:15	0.65	0.50	05:45	0.096	09:15	0.422	0.277	37091	
07/23/2021	05:35	4.74	16:20	7.00	5.80	06:00	0.24	16:05	0.77	0.50	06:00	0.097	16:05	0.541	0.282	37728	0.01
07/24/2021	04:35	4.81	17:45	6.87	5.81	06:25	0.31	17:45	0.67	0.51	04:40	0.133	17:45	0.473	0.288	38493	0.08
07/25/2021	05:25	4.79	13:25	6.51	5.76	05:15	0.25	10:55	0.64	0.50	05:15	0.105	10:55	0.406	0.279	37305	
07/26/2021	03:35	4.69	10:20	6.53	5.68	05:35	0.18	09:30	0.61	0.49	05:35	0.075	09:30	0.392	0.269	35986	
07/27/2021	04:45	4.61	09:05	6.57	5.61	05:00	0.30	09:30	0.61	0.49	05:00	0.118	09:10	0.395	0.262	35070	
07/28/2021	04:35	4.61	09:40	6.67	5.70	05:05	0.30	09:05	0.67	0.50	05:05	0.121	09:40	0.450	0.276	36935	0.01
07/29/2021	03:05	4.84	04:10	7.53	5.93	02:55	0.34	04:10	0.80	0.52	02:55	0.147	04:10	0.643	0.305	40738	0.10
07/30/2021	05:15	4.53	10:35	6.38	5.57	06:50	0.23	11:05	0.64	0.48	06:50	0.096	11:05	0.404	0.257	34415	
07/31/2021	06:15	4.61	11:10	6.35	5.59	06:35	0.20	11:00	0.60	0.45	06:35	0.082	11:05	0.379	0.242	32317	
08/01/2021	04:50	4.67	11:10	6.33	5.66	07:00	0.21	12:50	0.55	0.42	05:10	0.087	12:50	0.341	0.230	30687	
08/02/2021	05:05	4.70	09:45	6.53	5.61	03:30	0.20	13:50	0.62	0.48	03:30	0.084	09:15	0.387	0.256	34284	
08/03/2021	00:00	4.49	07:50	6.39	5.62	04:50	0.29	09:25	0.63	0.49	04:50	0.120	09:25	0.400	0.265	35375	
08/04/2021	05:10	4.63	09:55	6.38	5.64	05:55	0.27	10:50	0.62	0.49	05:55	0.107	10:05	0.388	0.267	35715	
08/05/2021	04:55	4.58	09:30	6.36	5.61	06:00	0.26	09:10	0.63	0.49	05:50	0.115	09:10	0.392	0.261	34844	
08/06/2021	05:10	4.60	22:15	11.22	5.95	06:50	0.31	22:15	1.16	0.53	05:10	0.122	22:15	1.648	0.334	44712	0.13
08/07/2021	06:05	4.57	00:00	6.21	5.54	05:25	0.31	13:10	0.61	0.49	05:35	0.122	13:10	0.355	0.260	34797	
08/08/2021	04:40	4.60	11:55	6.22	5.56	06:45	0.25	21:00	0.63	0.48	06:45	0.100	21:00	0.380	0.258	34554	0.01
08/09/2021	04:50	4.62	10:05	23.25	7.55	05:30	0.27	10:05	2.43	0.73	05:30	0.106	10:05	9.260	1.015	135723	1.42
08/10/2021	05:05	5.18	20:10	37.41	7.98	04:50	0.43	20:05	3.26	0.79	04:50	0.202	20:05	20.869	1.332	178101	0.91
08/11/2021	23:55	5.99	12:00	9.00	6.74	23:50	0.56	11:50	1.04	0.71	23:50	0.326	11:50	1.068	0.495	66220	0.08
08/12/2021	04:35	5.18	10:20	6.79	5.96	04:35	0.40	09:45	0.69	0.55	04:35	0.187	09:45	0.475	0.317	42325	
08/13/2021	04:55	4.87	09:55	6.46	5.79	05:00	0.34	11:10	0.63	0.50	05:00	0.143	09:20	0.404	0.282	37751	
08/14/2021	05:00	4.74	10:50	6.42	5.62	03:55	0.30	09:45	0.61	0.48	03:55	0.123	11:00	0.379	0.258	34484	
08/15/2021	05:45	4.64	09:45	6.34	5.62	05:30	0.32	09:45	0.60	0.48	05:40	0.126	09:45	0.376	0.257	34311	
08/16/2021	05:25	4.59	09:35	6.46	5.59	06:10	0.30	10:40	0.64	0.48	05:25	0.118	10:40	0.407	0.259	34648	
08/17/2021	05:20	4.56	09:00	6.64	5.54	05:55	0.29	09:20	0.63	0.48	05:55	0.112	09:20	0.405	0.254	33923	
08/18/2021	05:15	4.52	08:55	6.30	5.57	06:30	0.28	21:30	0.66	0.49	05:10	0.118	21:30	0.398	0.262	35002	
08/19/2021	05:40	4.55	09:20	6.35	5.57	05:40	0.29	09:35	0.65	0.49	05:40	0.112	09:35	0.406	0.260	34753	
08/20/2021	05:35	4.50	09:50	6.34	5.59	05:30	0.29	10:50	0.64	0.49	05:30	0.109	10:50	0.390	0.267	35628	
08/21/2021	06:05	4.58	12:20	6.30	5.54	06:45	0.24	10:35	0.64	0.47	06:45	0.102	10:35	0.384	0.250	33454	
08/22/2021	05:45	4.55	12:00	6.39	5.63	07:45	0.27	16:15	0.65	0.49	04:35	0.108	11:55	0.401	0.267	35701	
08/23/2021	04:10	4.61	10:25	6.48	5.61	05:10	0.33	08:40	0.63	0.50	03:40	0.131	10:30	0.396	0.267	35694	
08/24/2021	04:35	4.57	18:20	22.63	6.58	04:30	0.31	18:15	2.37	0.61	04:30	0.120	18:15	8.679	0.617	82514	1.71
08/25/2021	05:50	4.74	23:55	7.48	5.66	05:55	0.36	23:45	0.79	0.54	05:55	0.147	23:55	0.625	0.294	39336	0.09
08/26/2021	05:15	4.74	00:05	7.55	5.75	04:15	0.36	00:00	0.77	0.54	05:10	0.150	00:00	0.618	0.302	40320	0.01
08/27/2021	05:15	4.54	09:10	6.41	5.51	03:35	0.31	09:05	0.69	0.52	03:35	0.121	09:05	0.440	0.273	36479	
08/28/2021	03:55	4.60	17:25	13.54	6.01	03:50	0.32	17:20	1.54	0.58	03:50	0.125	17:25	2.843	0.392	52377	0.09
08/29/2021	05:30	4.58	11:05	6.17	5.54	04:20	0.24	13:20	0.61	0.46	04:20	0.094	11:10	0.357	0.246	32823	0.09
08/30/2021	04:45	4.54	09:05	6.29	5.52	04:45	0.30	09:05	0.56	0.45	04:45	0.116	09:05	0.349	0.236	31485	
08/31/2021	04:55	4.45	09:05	6.45	5.54	23:55	0.00	09:05	0.59	0.45	23:55	0.000	09:05	0.378	0.240	32058	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			7910659	11.87
Avg	6.22	0.55	0.387	

Evanston, IL

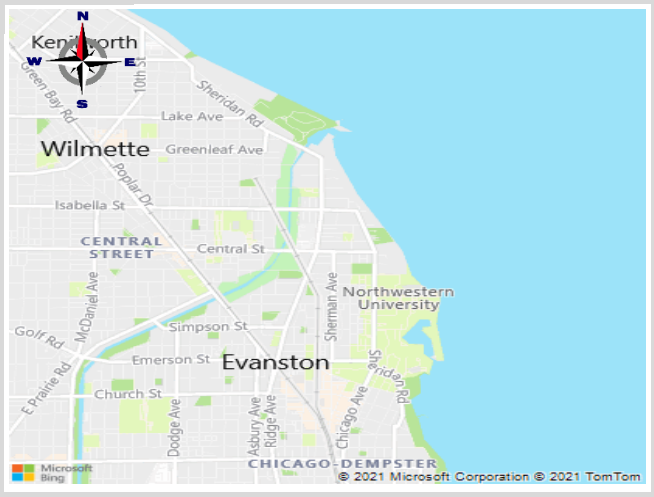
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

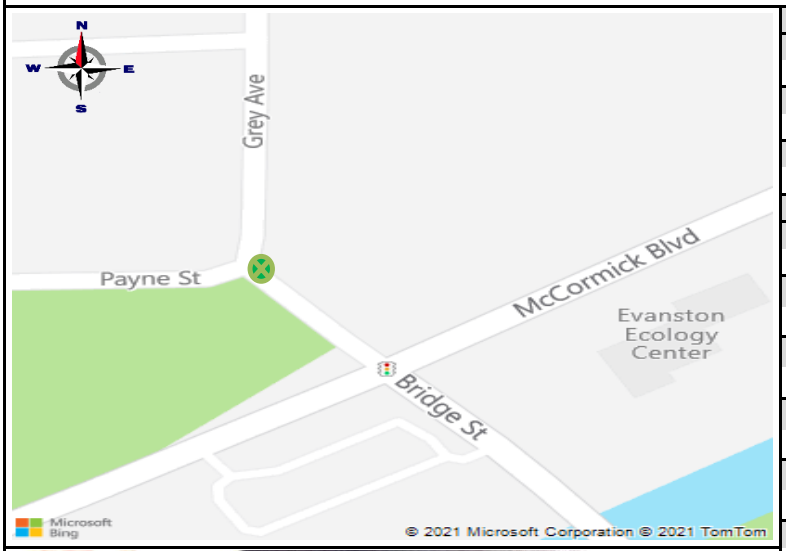
B0502000

Site Address /Location:	Intersection of Payne St. and Grey Ave.			Monitor Series	Location Type
				TRITON+	Temporary
Site Access Details:	in road	Latitude:	42.056866	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.701973	24 x 24	Circular



Manhole #	System Characteristics
B05_02000	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, March 31, 2021	Doppler Standard Ring and Crank
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
4:11:00 PM	24 x 24
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.50	21.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.03	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Good

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
14	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
Yes, Inside	Good
Pipe Material	Pipe Condition:
Ductile Iron Pipe	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

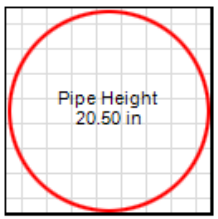
Upstream	Downstream	Inside Drop
		

SCATTERGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

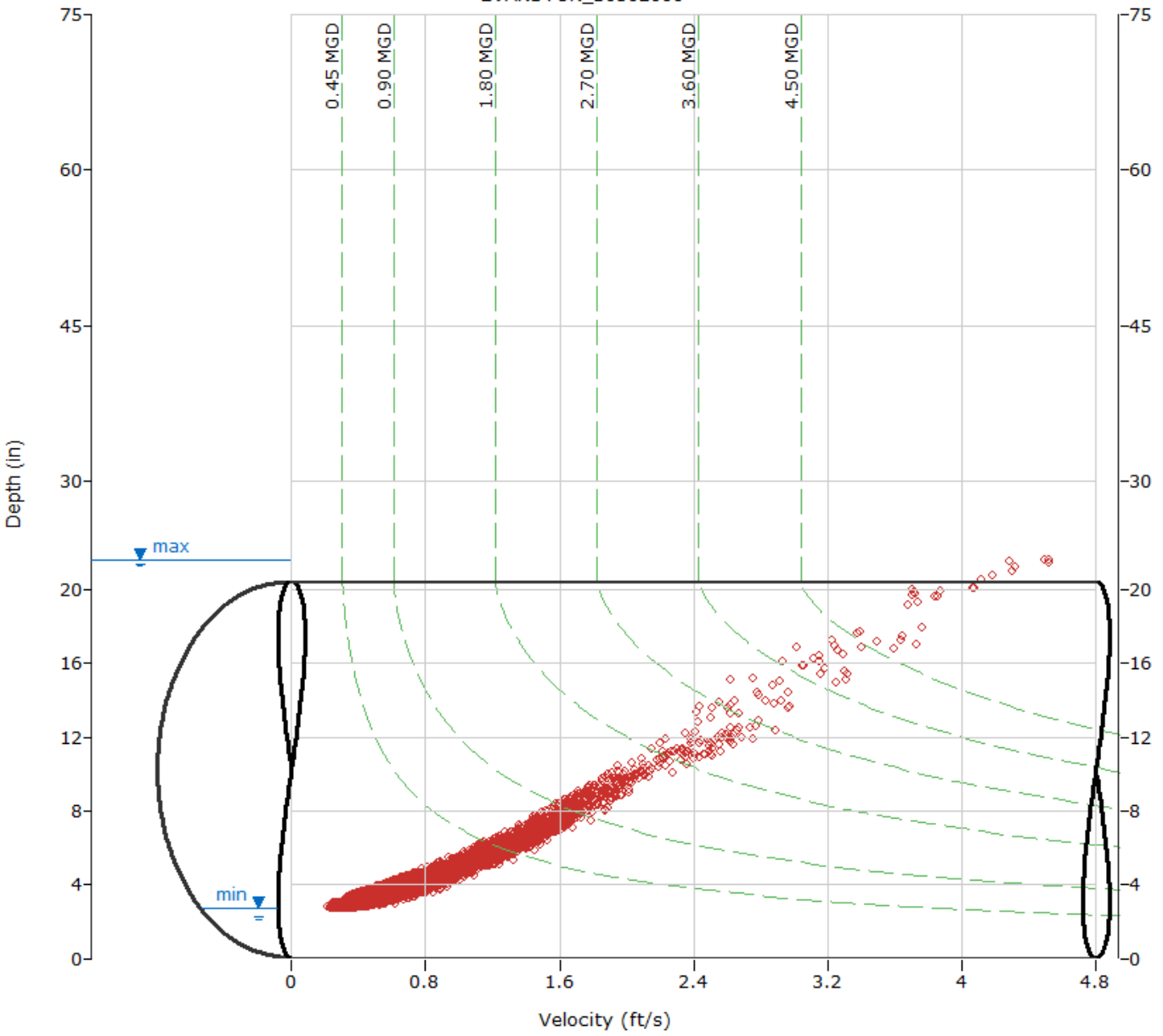


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



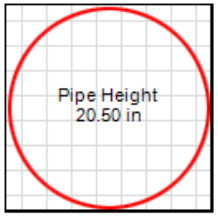
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

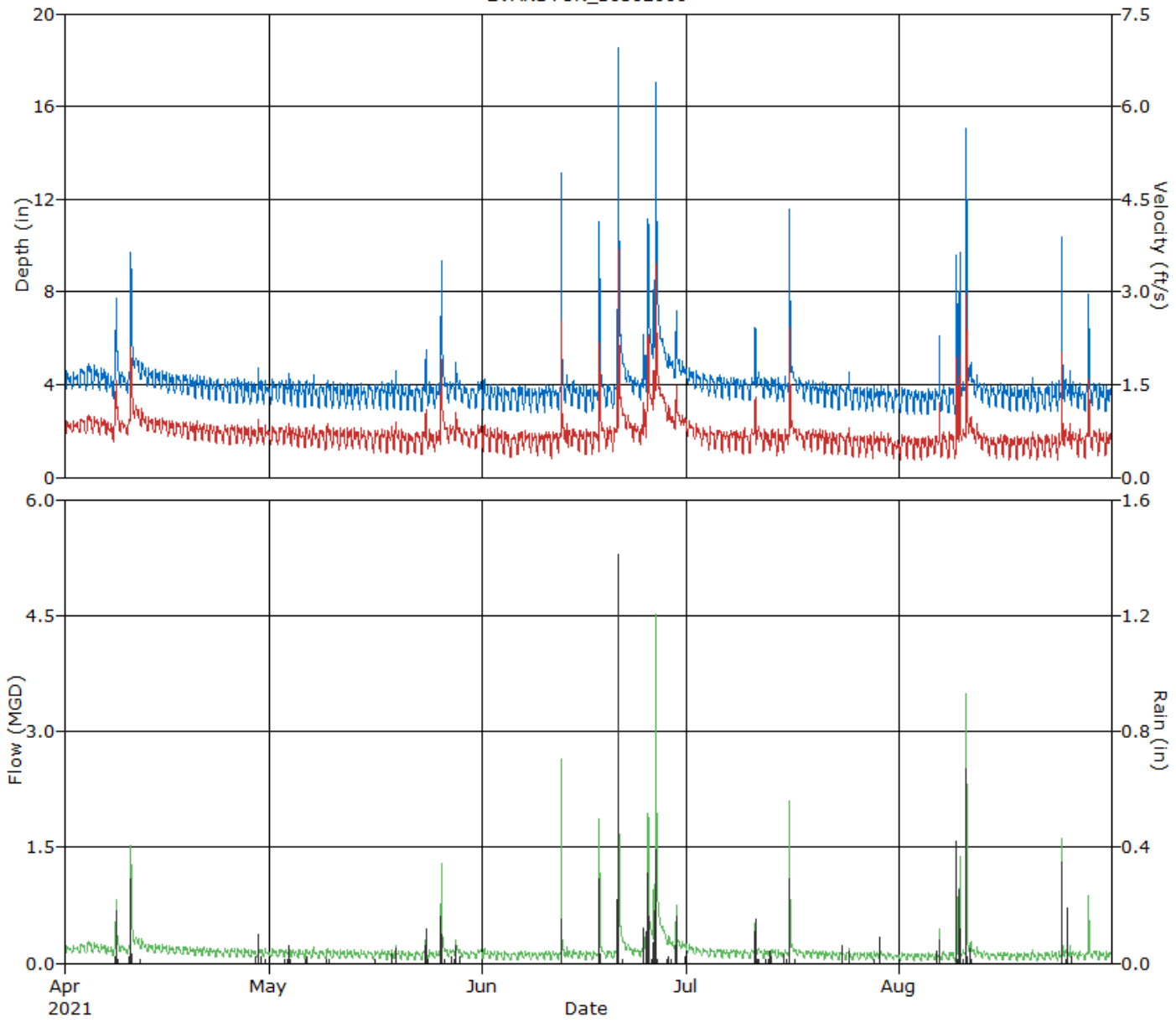


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



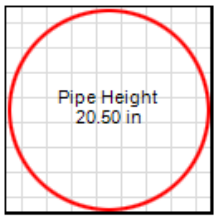
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

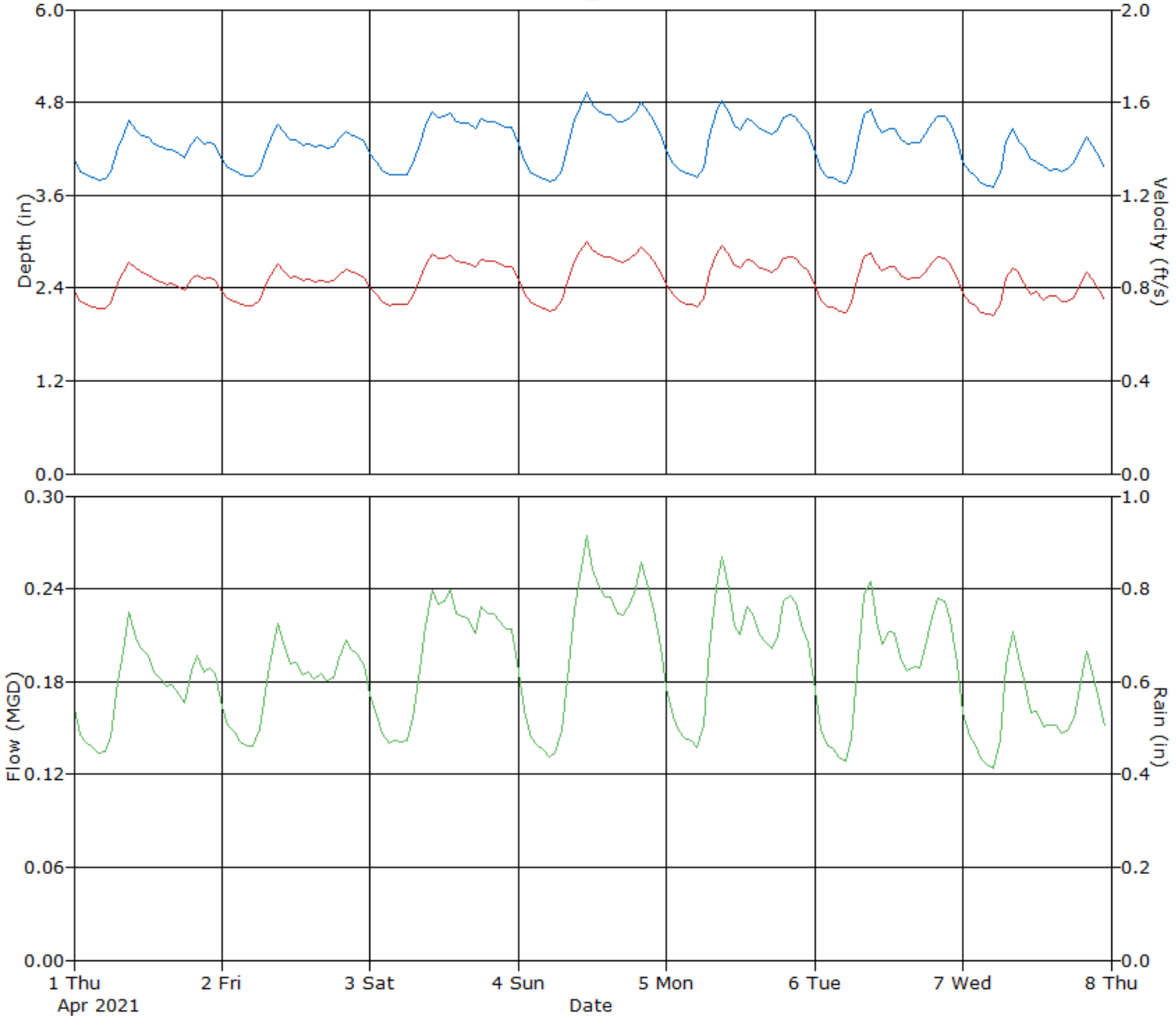


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



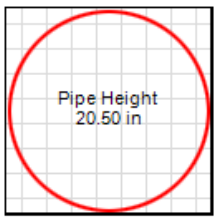
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

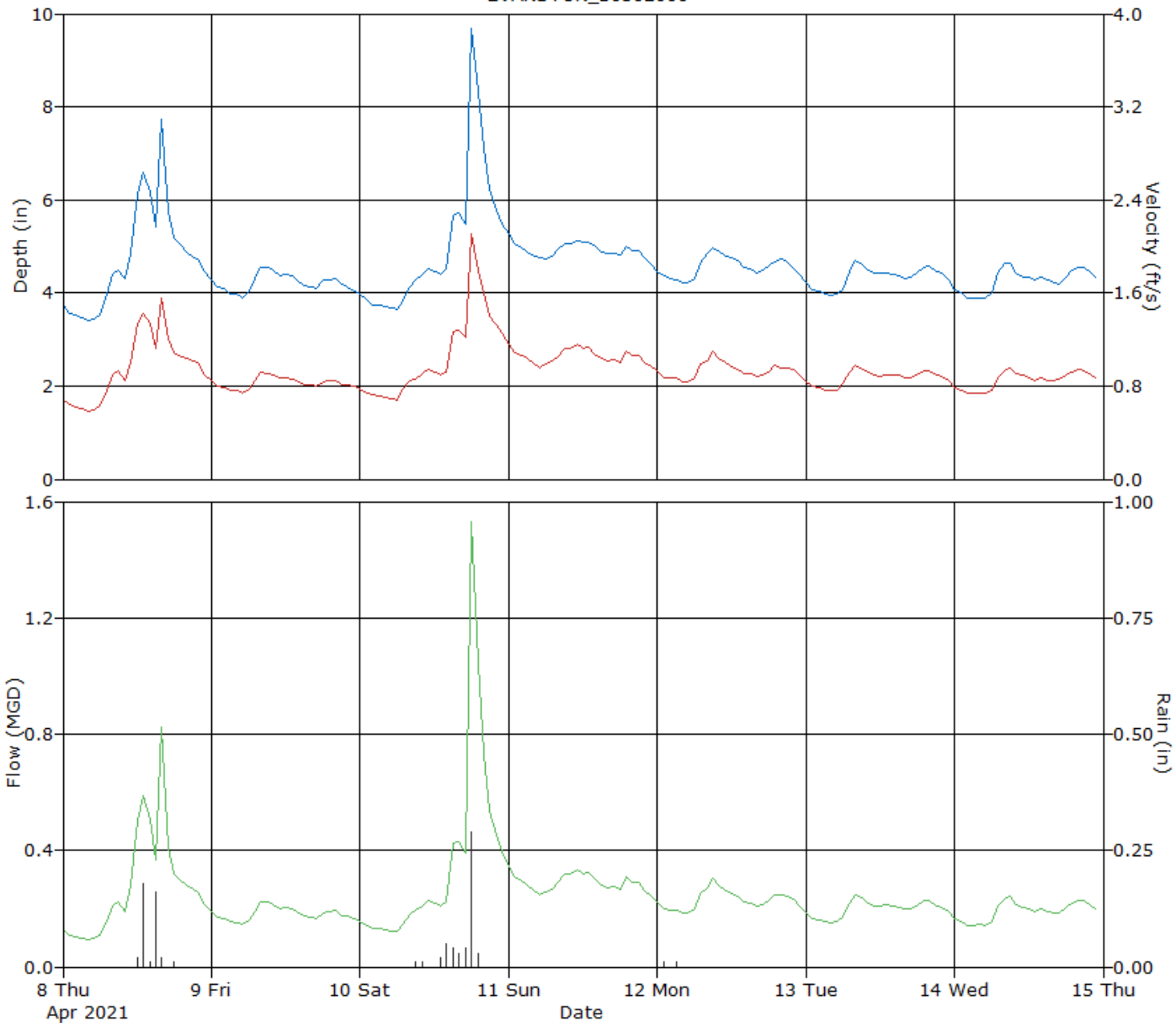


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



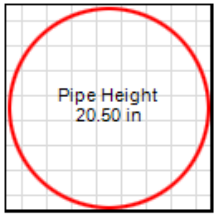
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

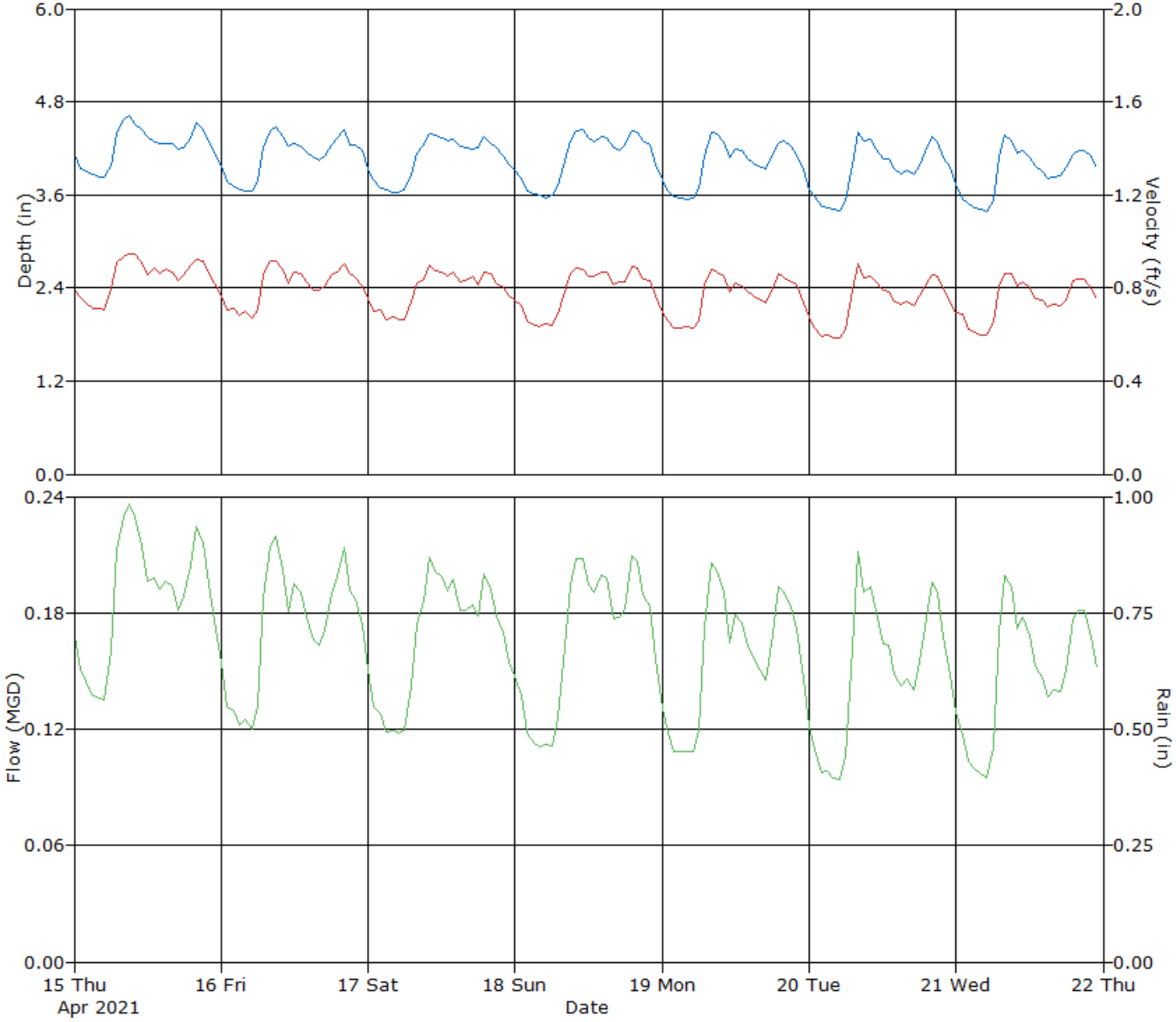


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



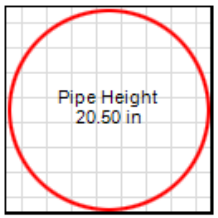
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

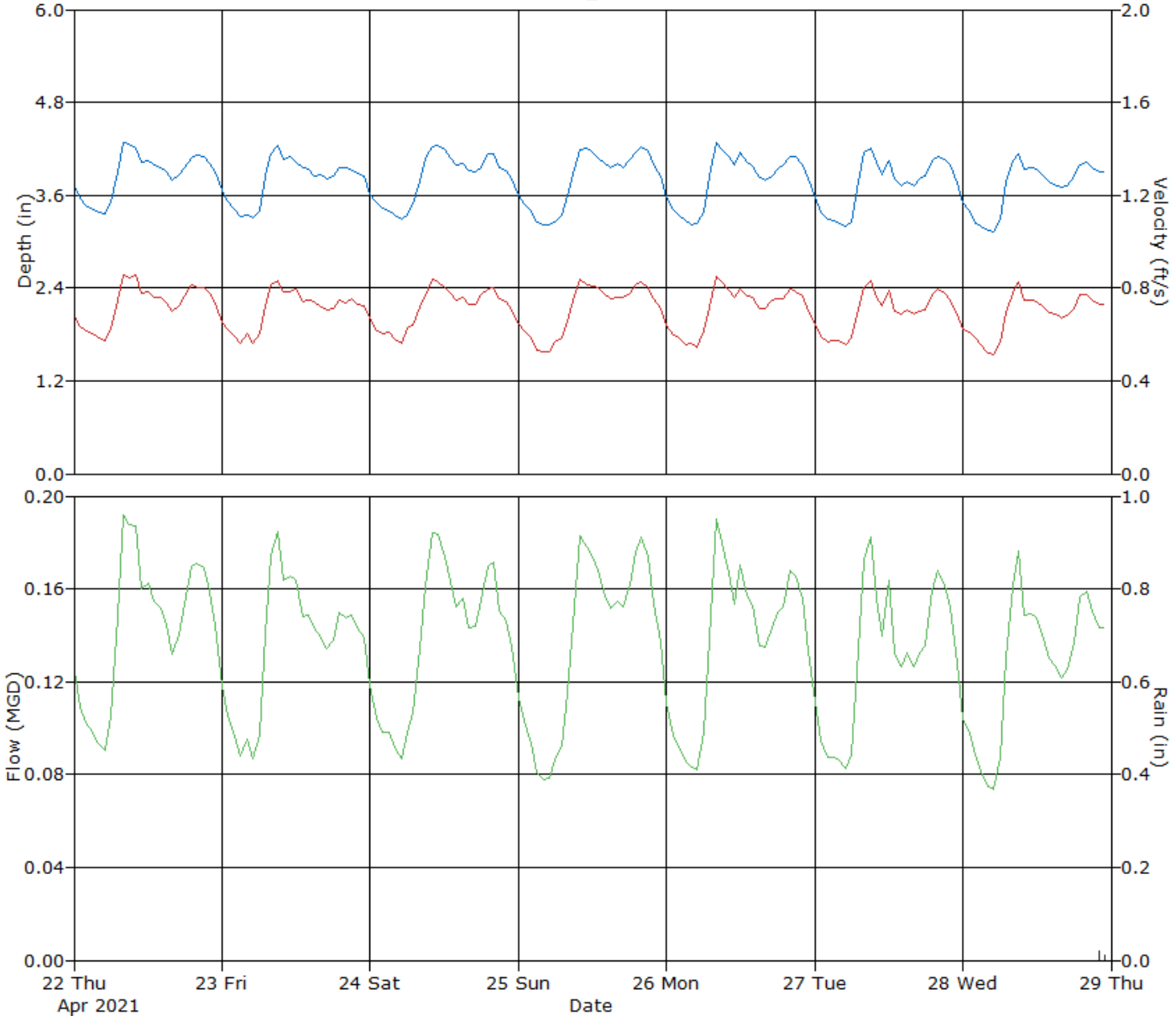


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



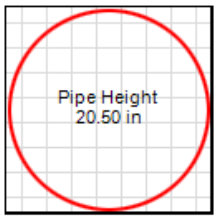
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

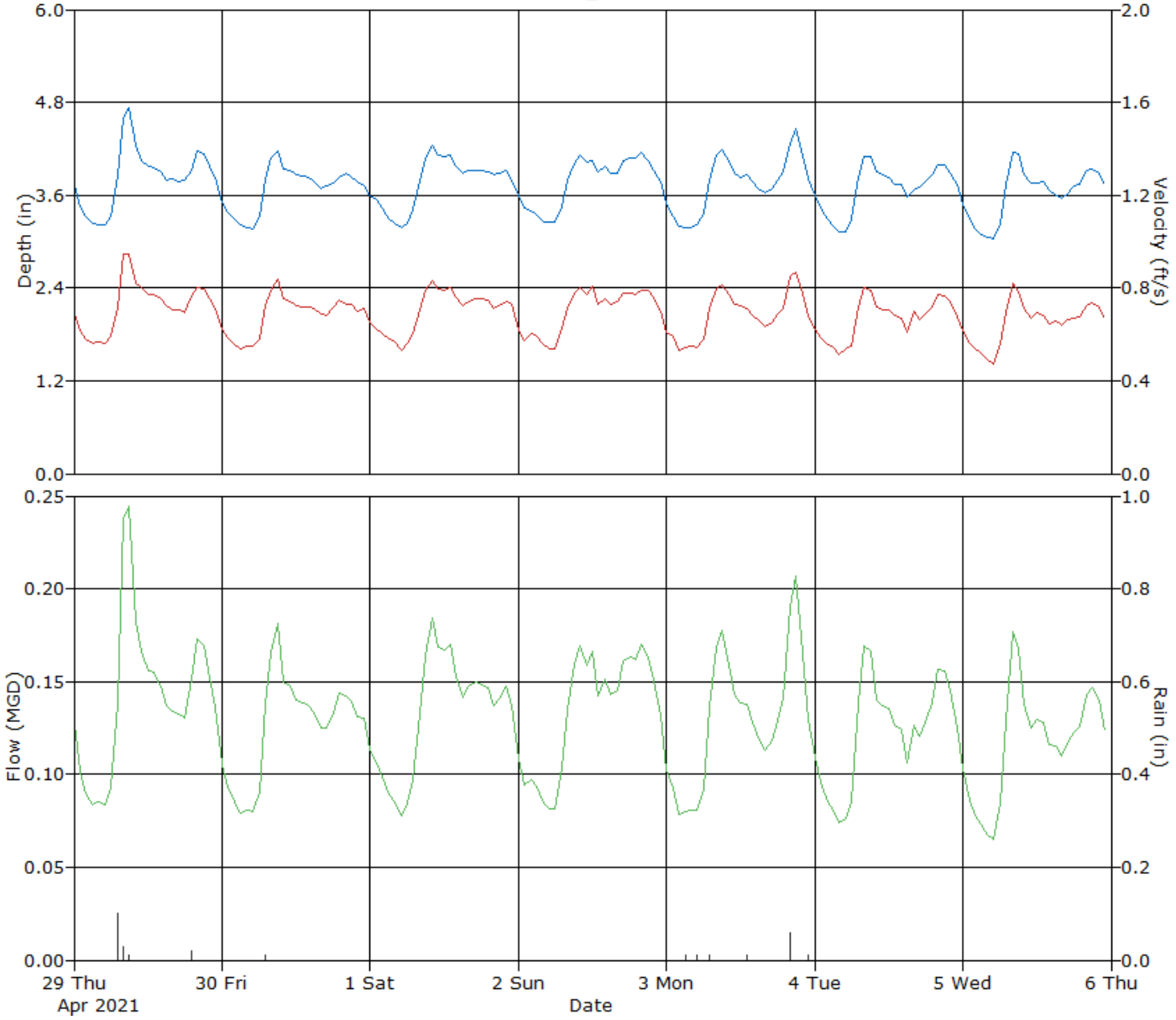


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



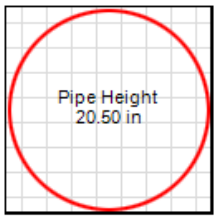
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

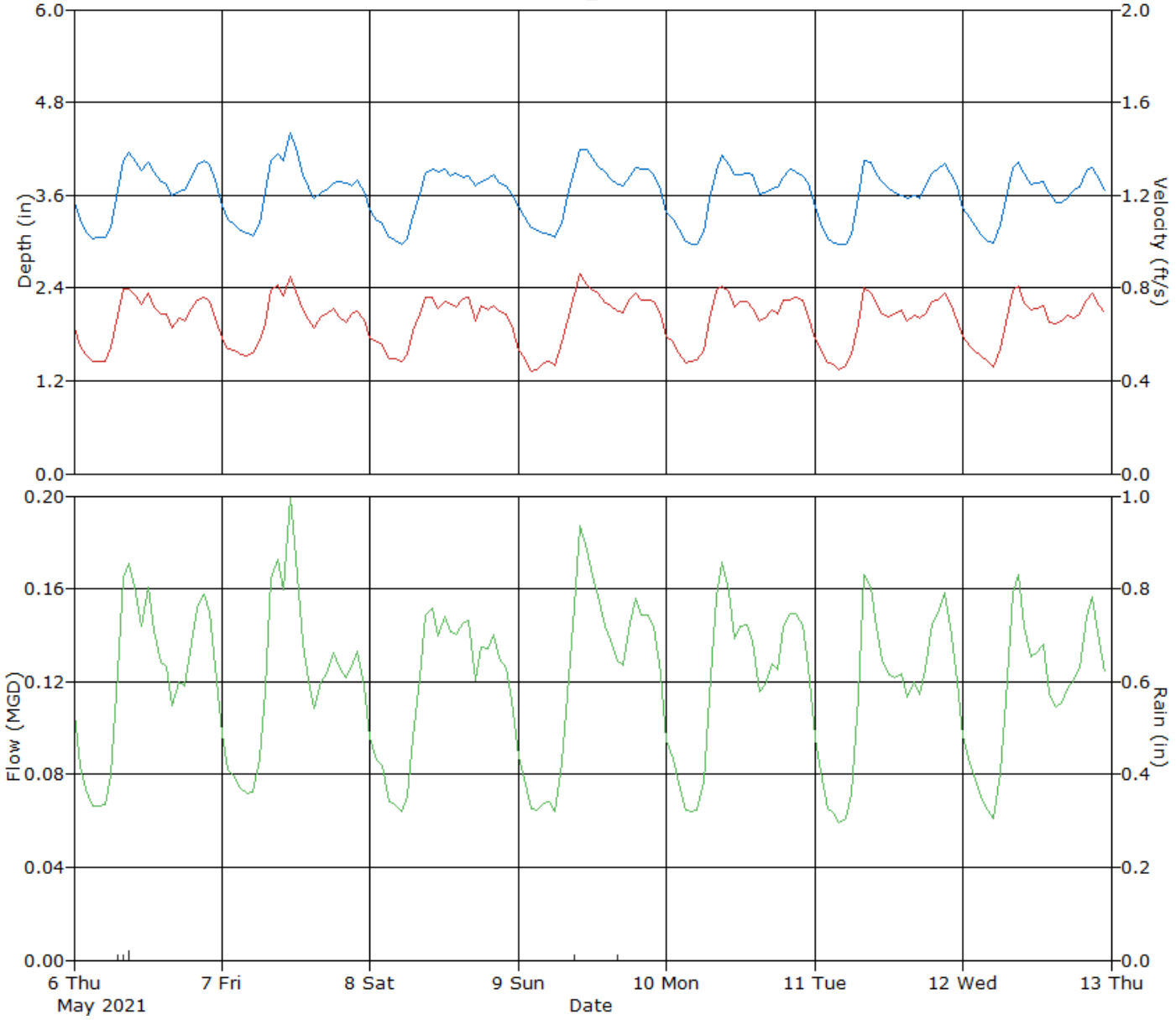


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



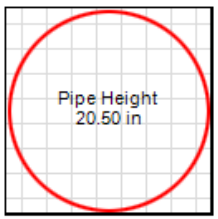
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

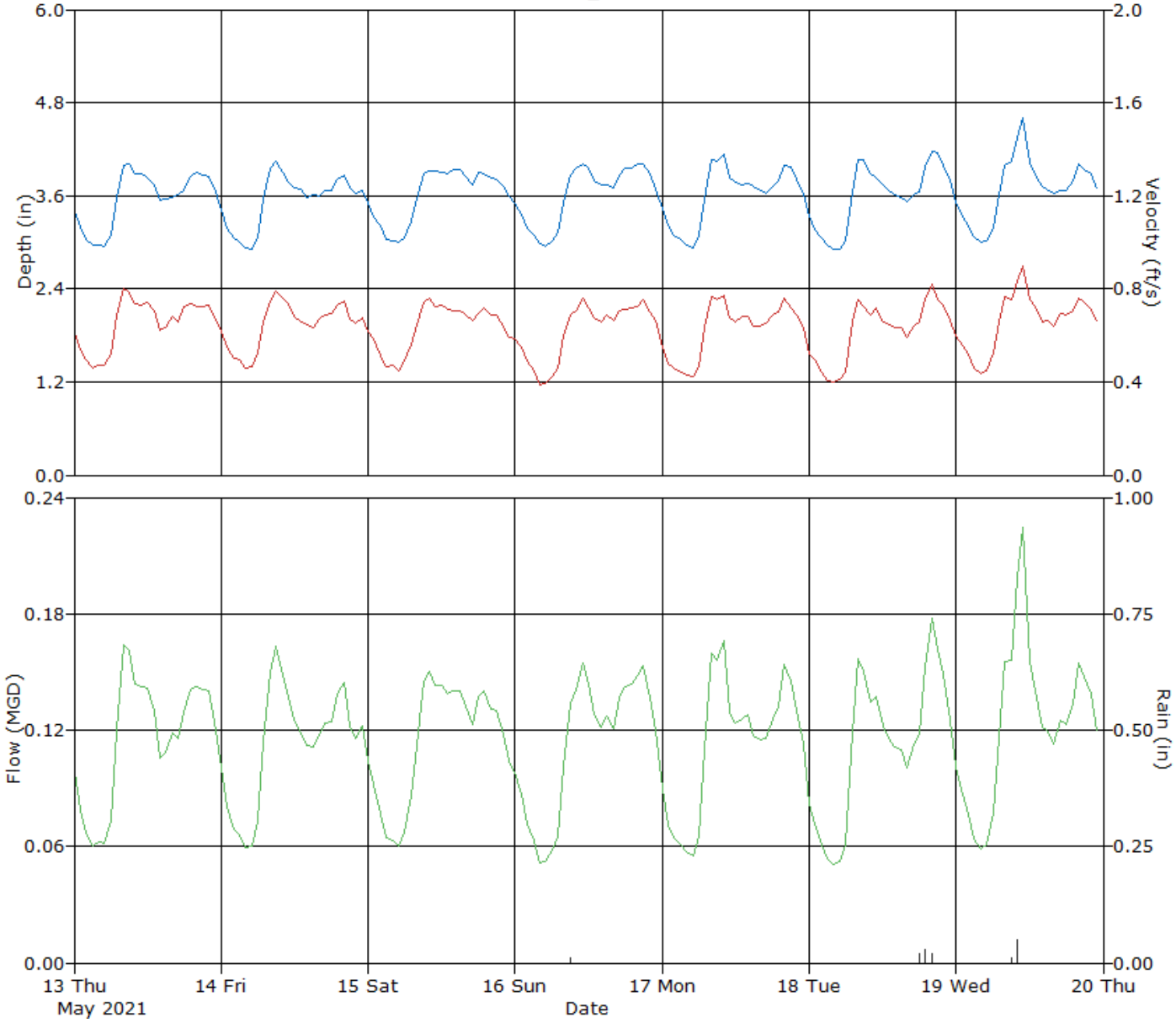


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



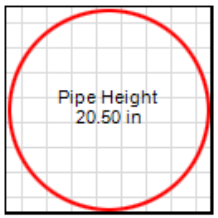
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

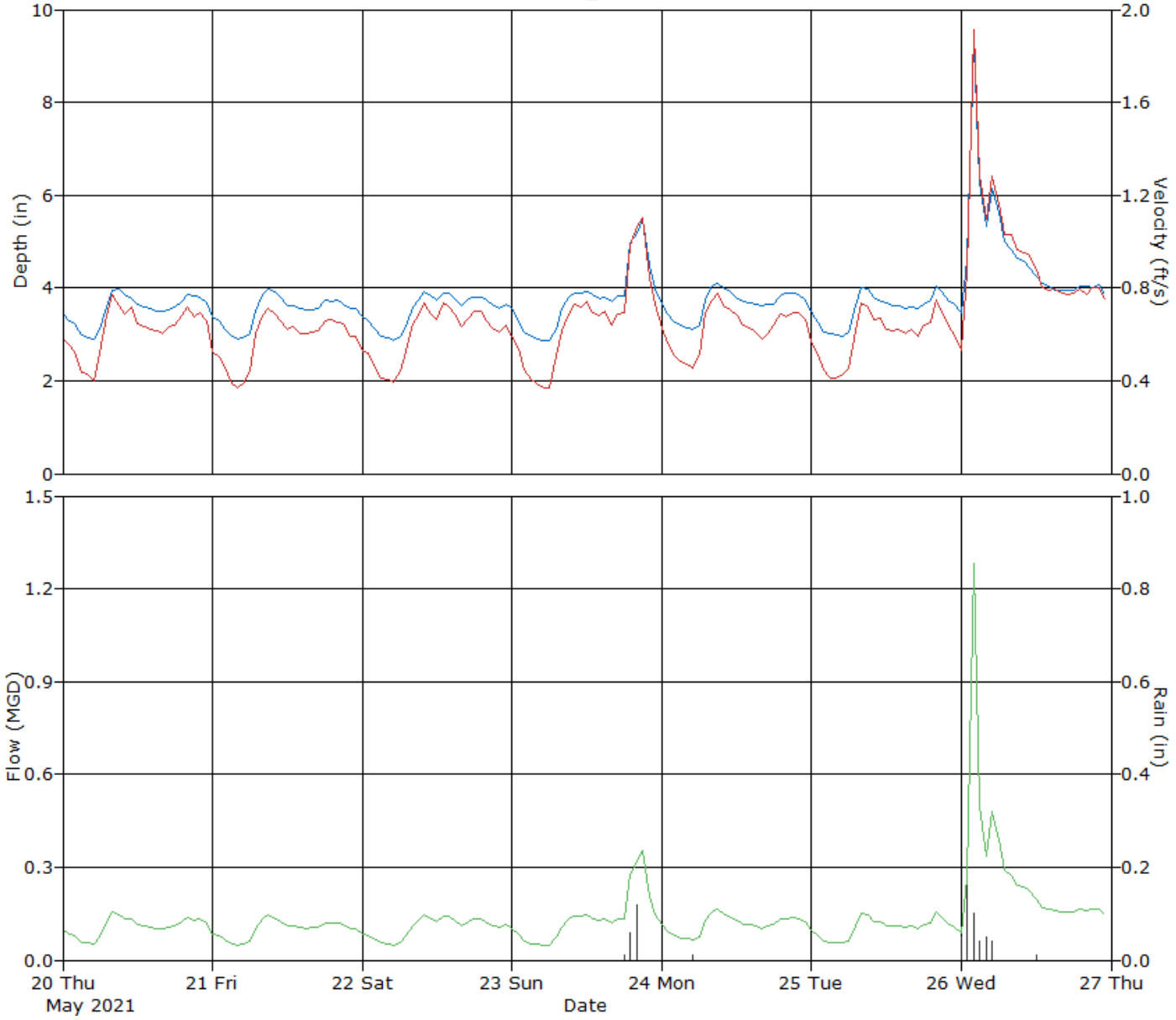


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



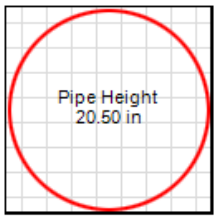
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

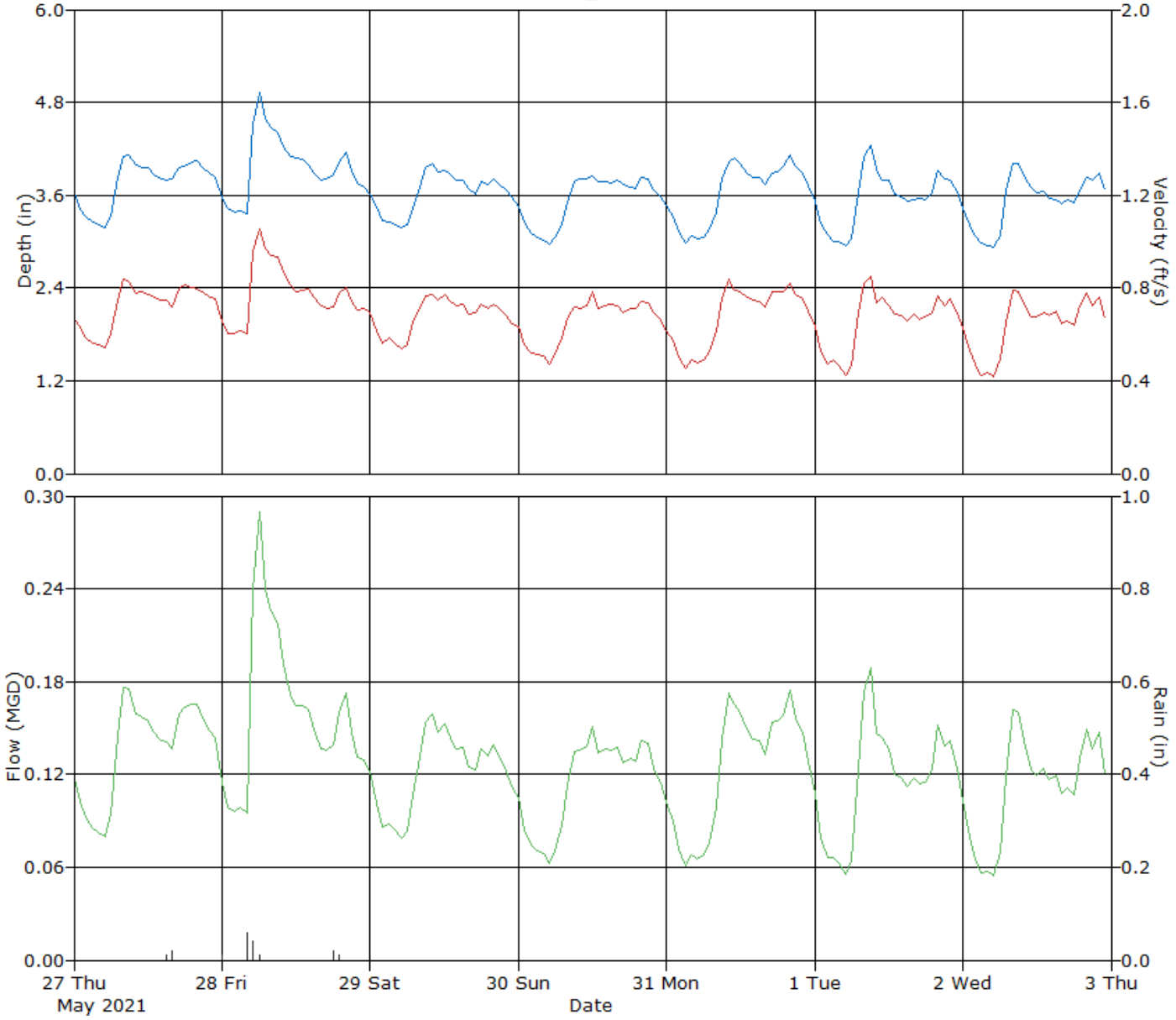


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



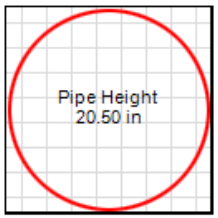
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

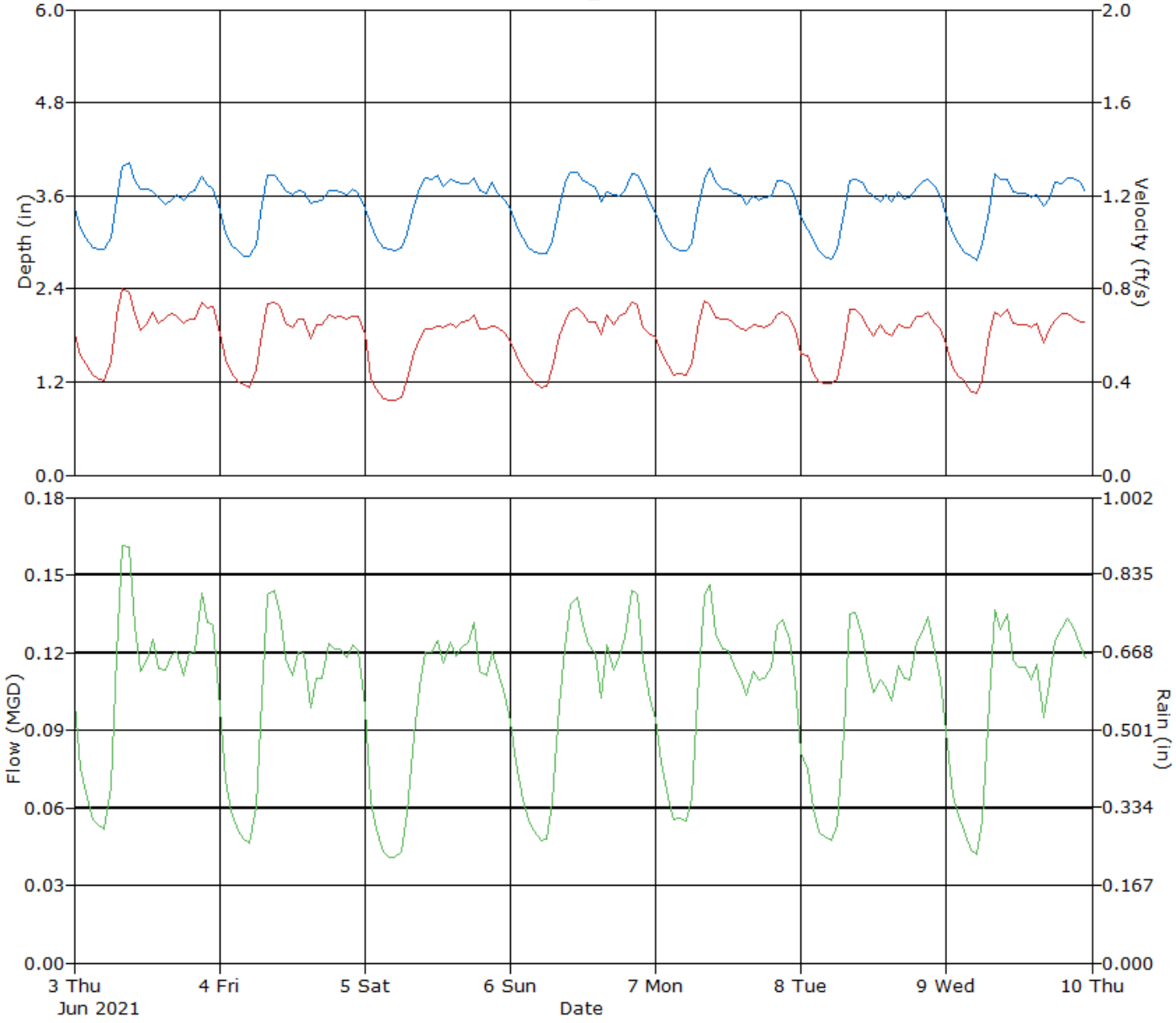


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



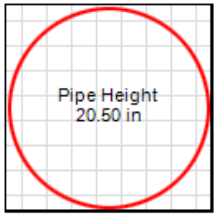
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

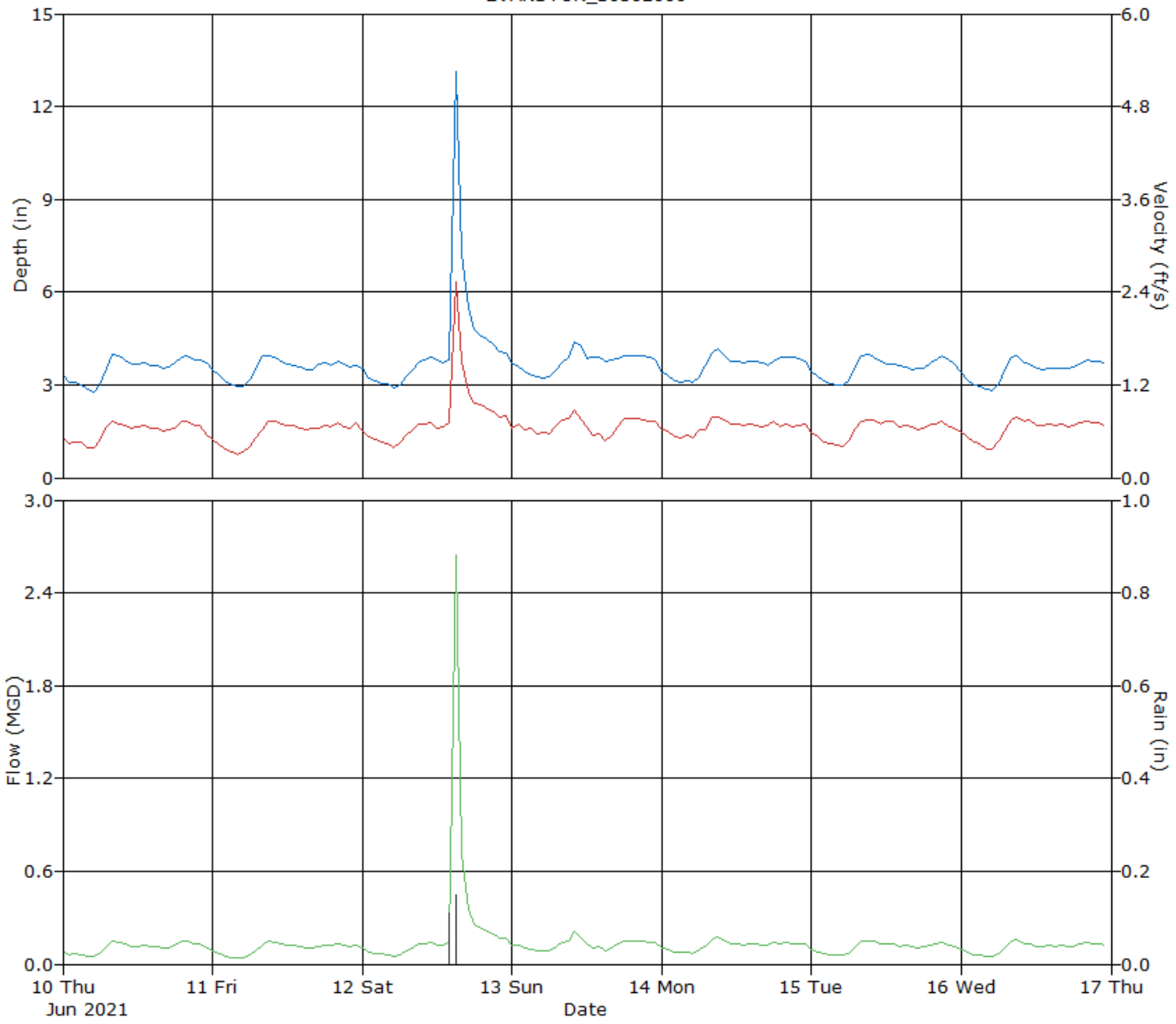


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



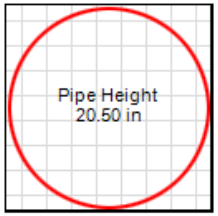
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

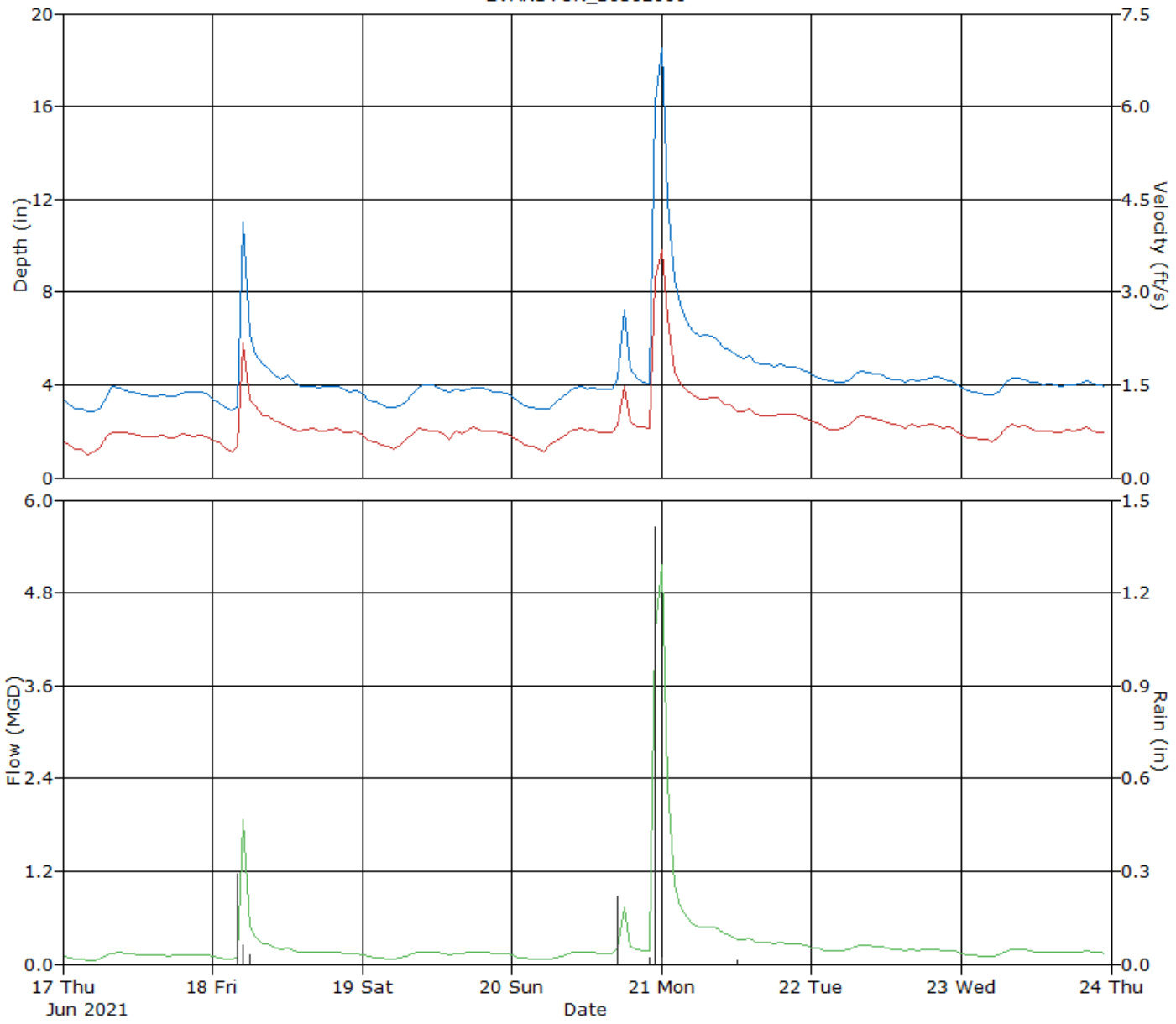


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



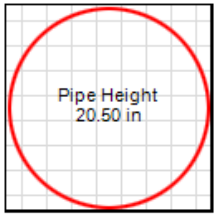
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

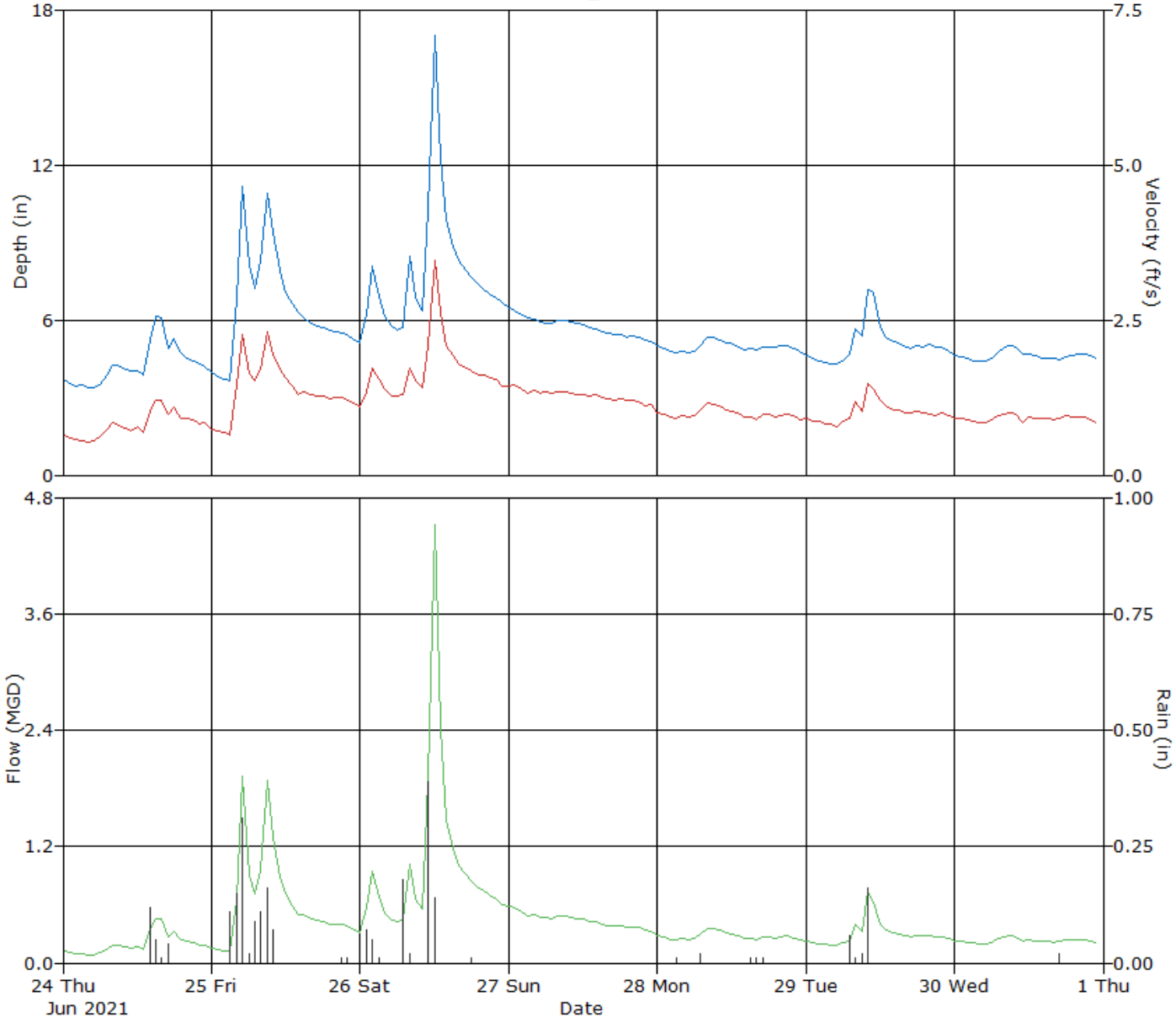


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



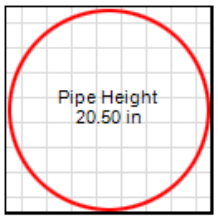
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

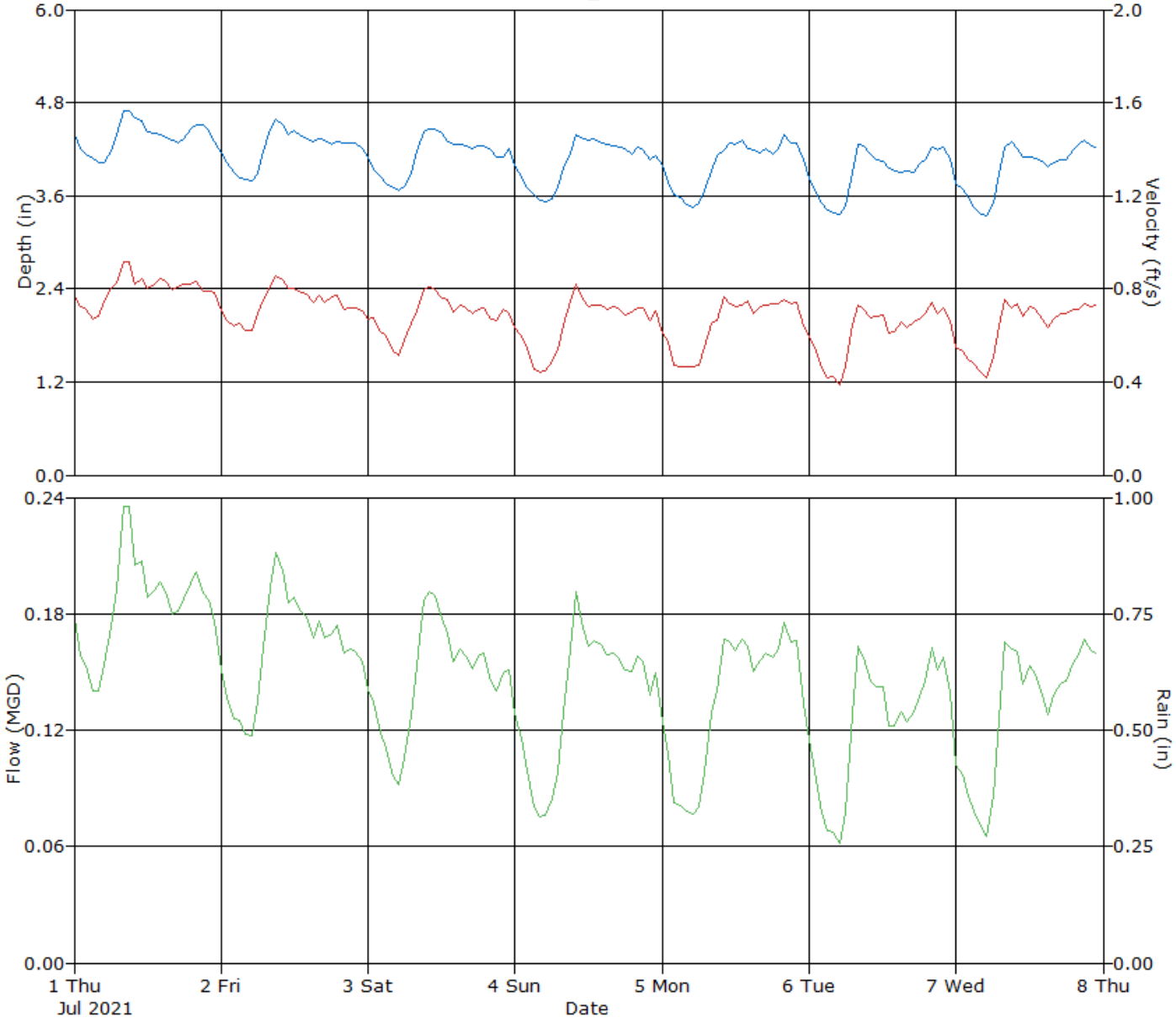


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



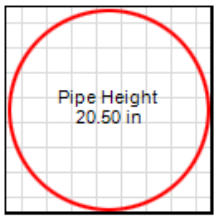
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000



Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



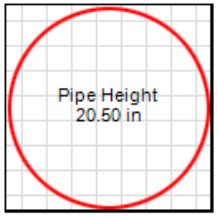
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

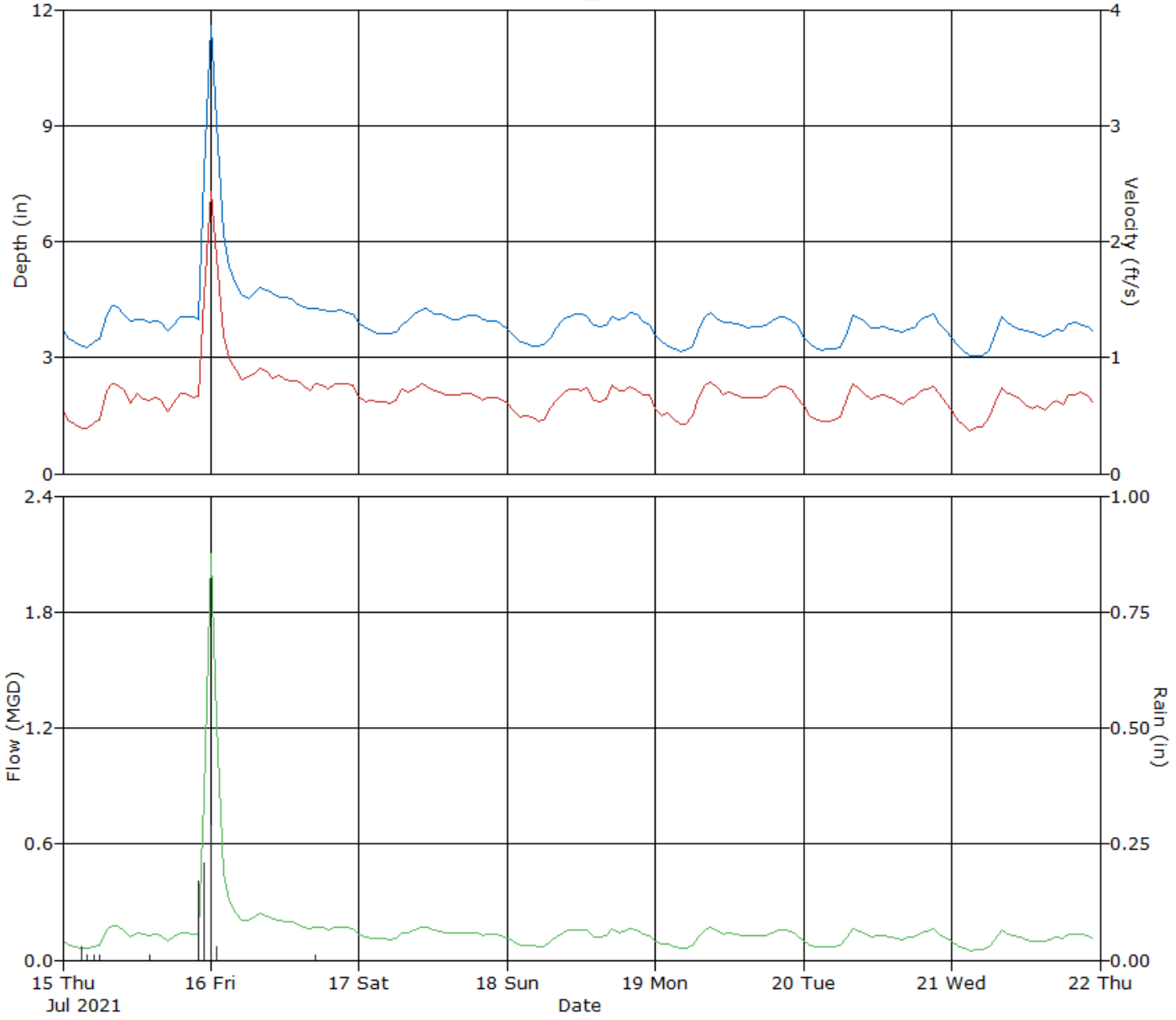


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



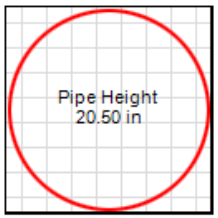
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

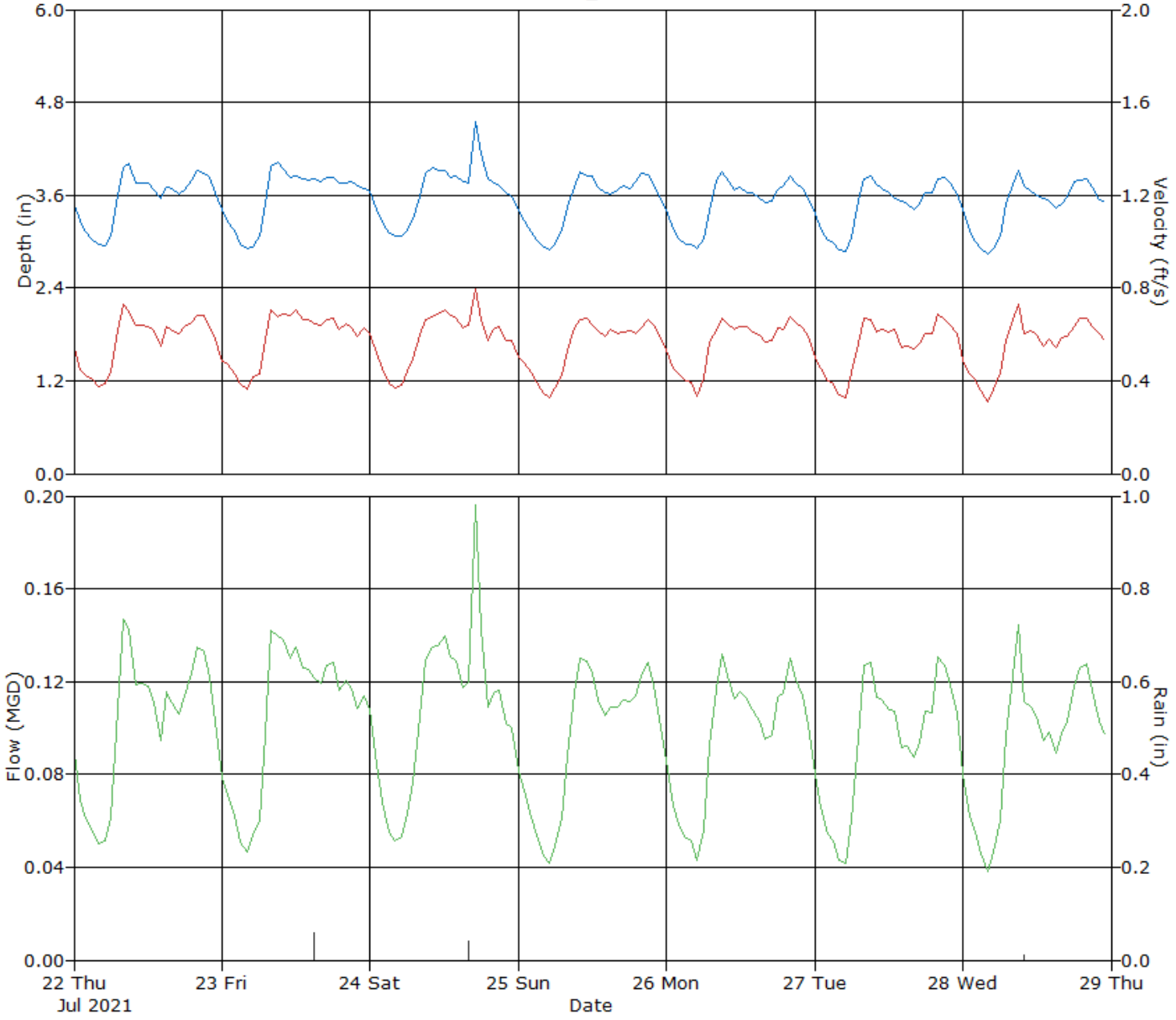


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



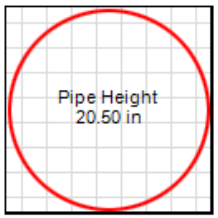
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

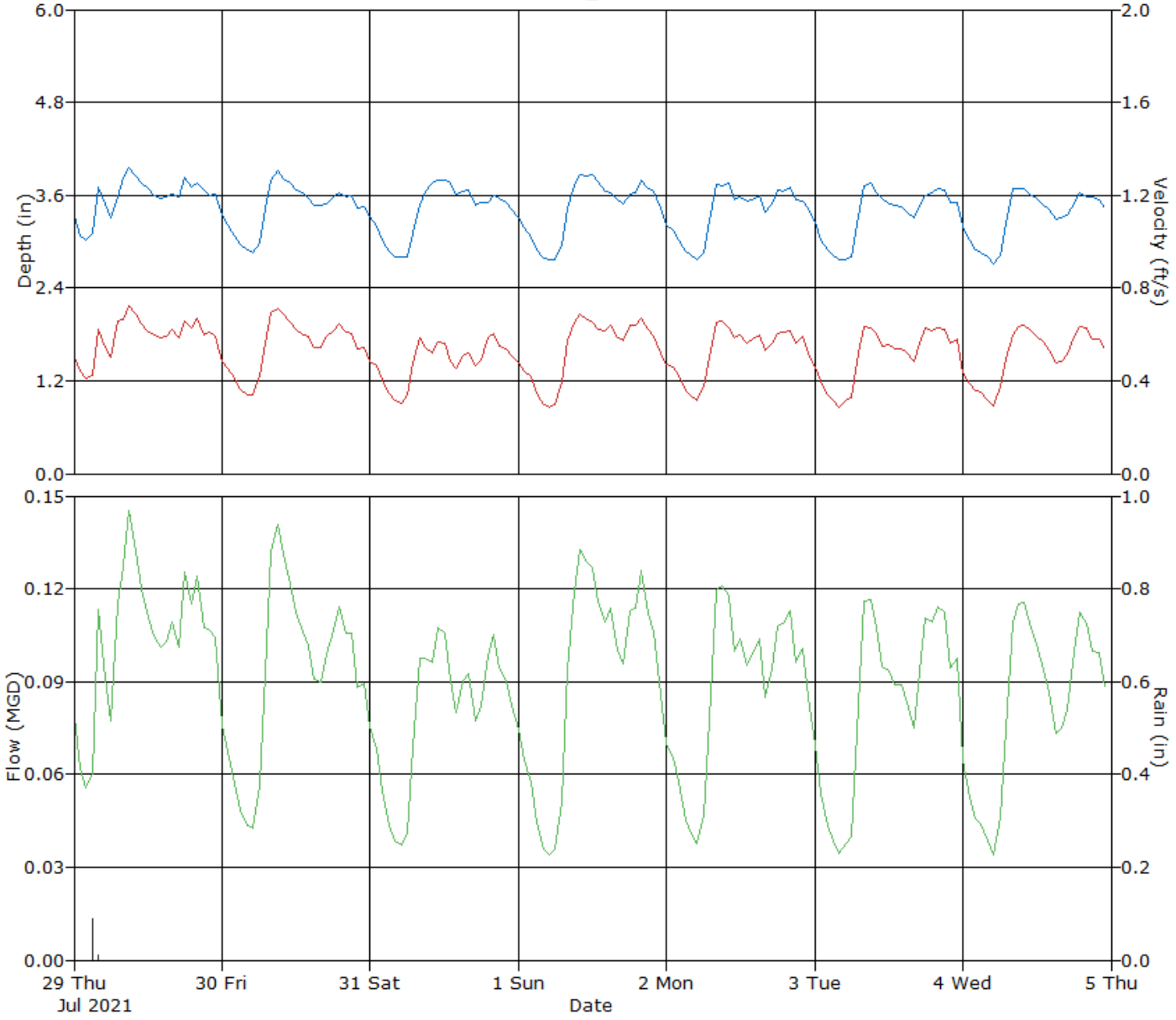


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



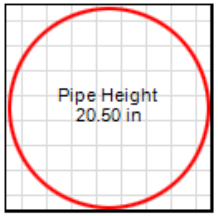
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

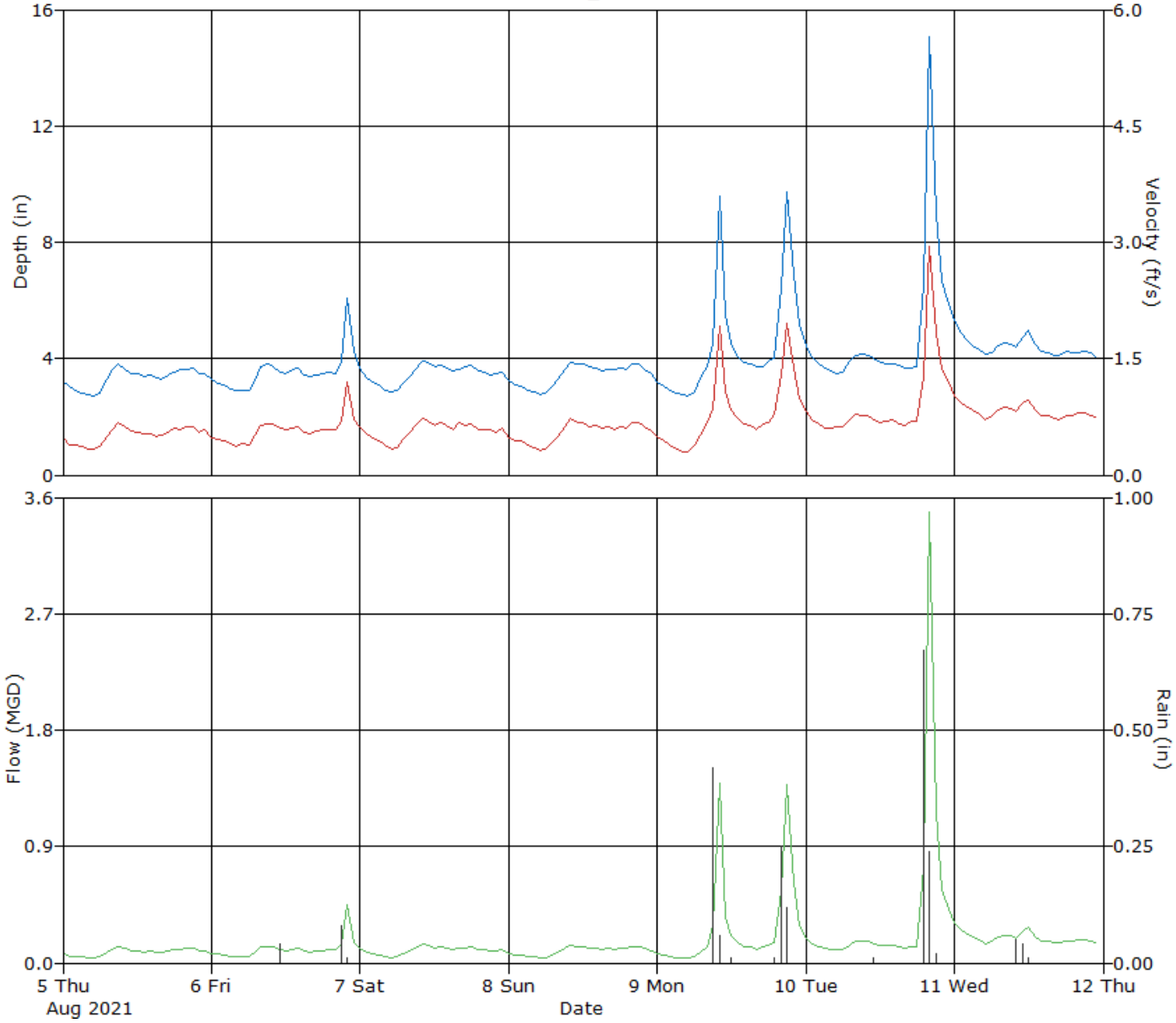


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



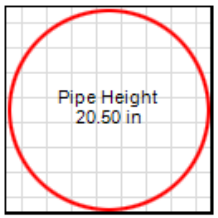
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

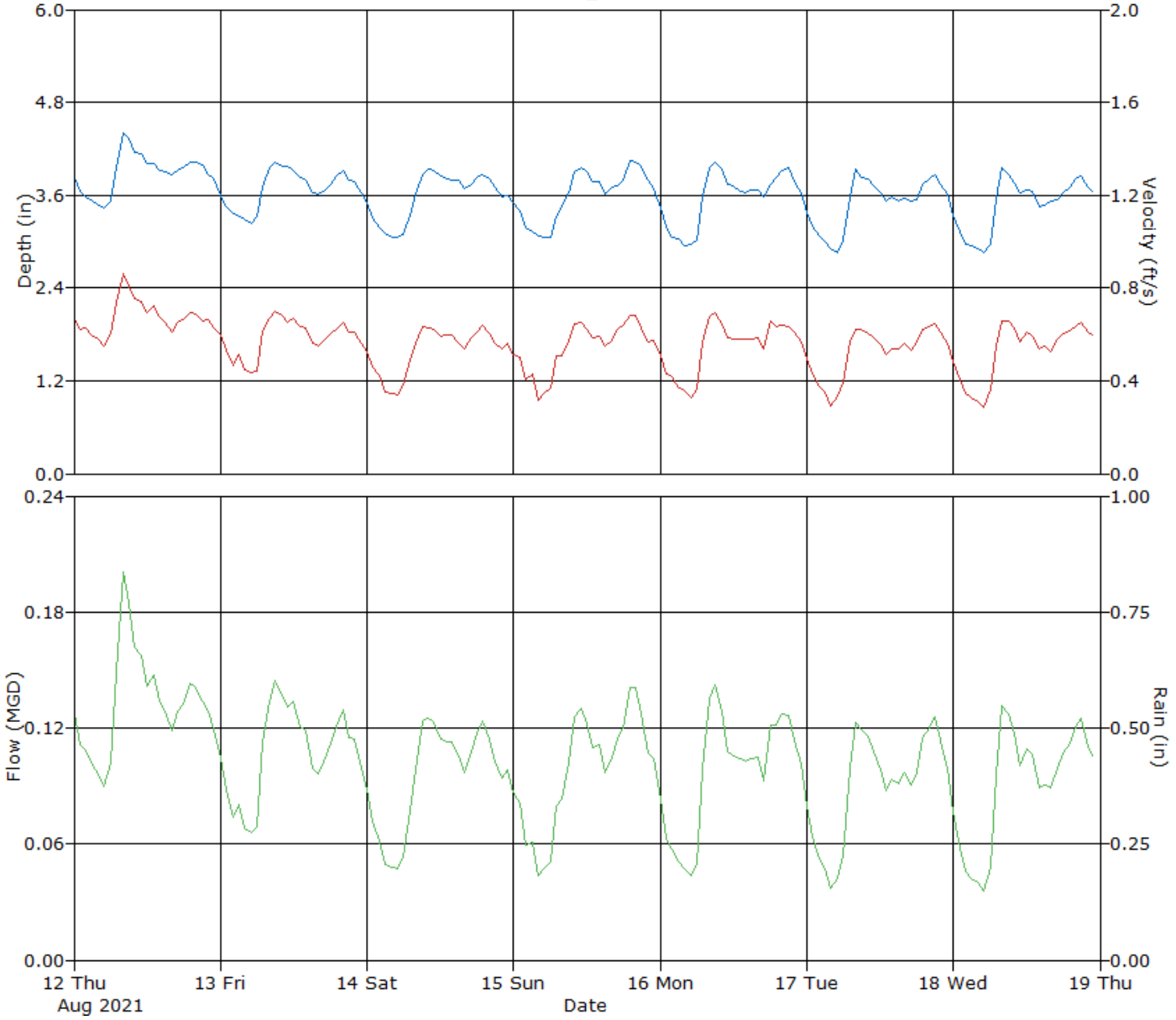


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



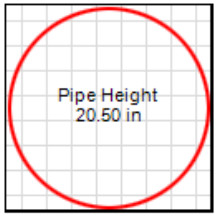
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

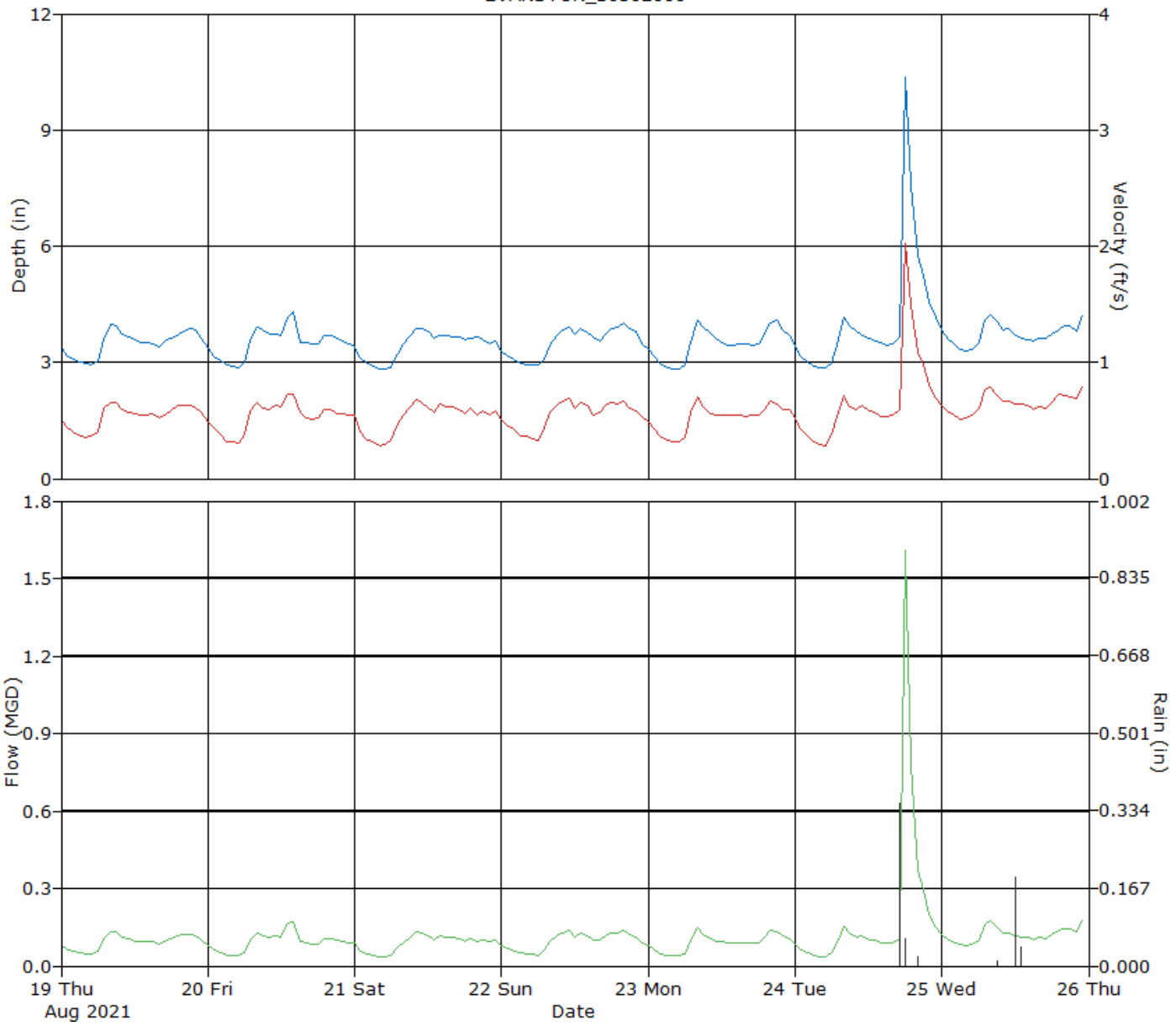


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



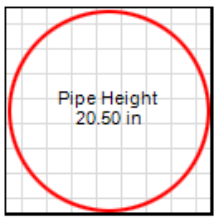
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0502000

Flow Monitor

EVANSTON_B0502000

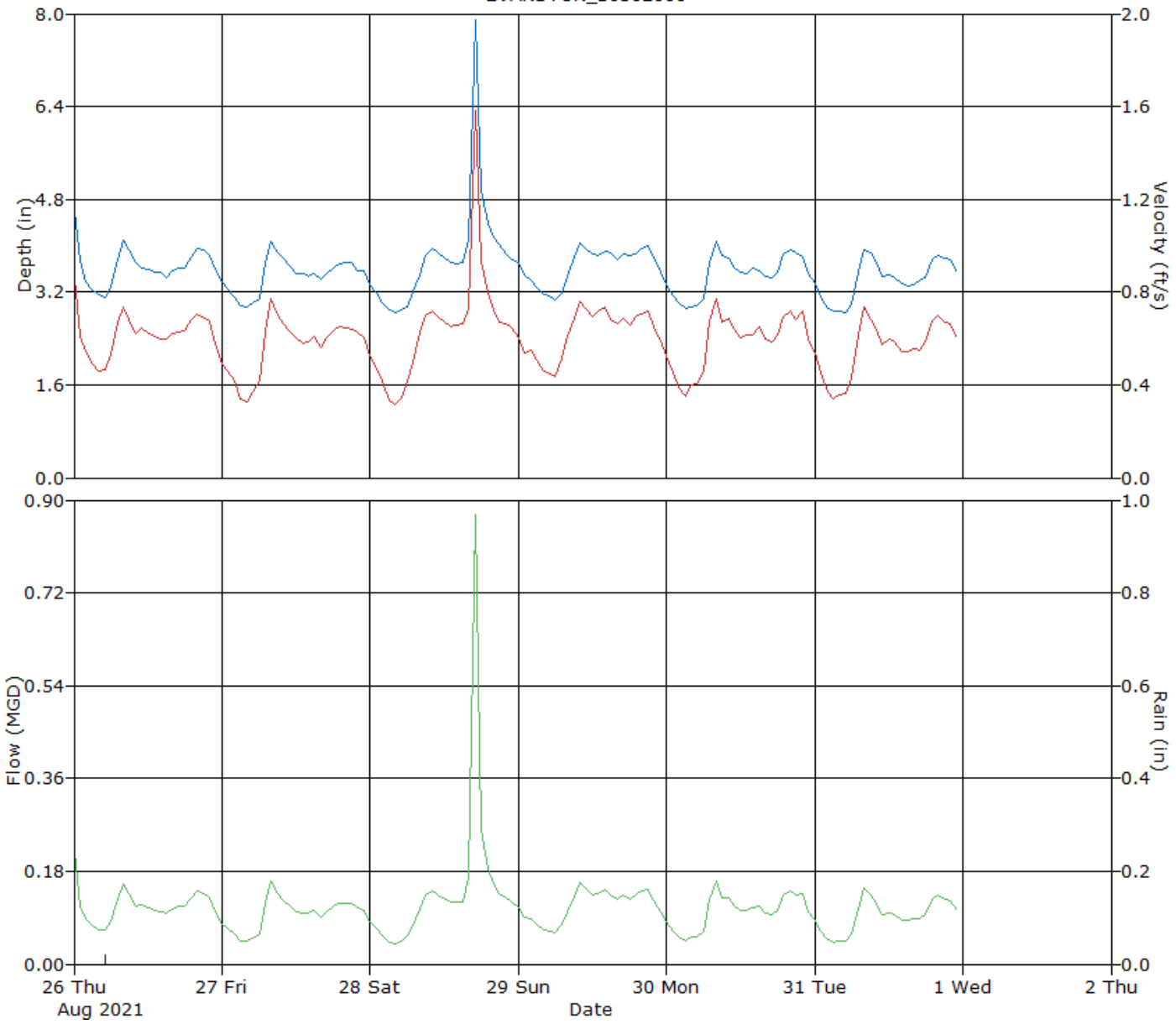


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B0502000, Pipe Height: 20.50 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021	04:35	3.79	09:20	4.63	4.16	04:35	0.71	09:20	0.92	0.81	04:35	0.133	09:20	0.232	0.176	23469	
04/02/2021	04:20	3.82	09:35	4.63	4.19	04:20	0.72	09:35	0.93	0.82	04:20	0.137	09:35	0.234	0.179	23936	
04/03/2021	04:00	3.81	12:55	4.72	4.34	04:00	0.71	12:55	0.96	0.86	04:00	0.136	12:55	0.246	0.198	26419	
04/04/2021	05:45	3.77	11:25	5.07	4.39	05:45	0.70	11:25	1.04	0.87	05:45	0.131	11:25	0.296	0.205	27391	
04/05/2021	05:25	3.82	09:35	4.87	4.36	05:25	0.71	09:35	0.99	0.86	05:25	0.136	09:35	0.267	0.201	26846	
04/06/2021	05:40	3.73	08:50	4.78	4.28	05:40	0.69	08:50	0.97	0.84	05:40	0.127	08:50	0.254	0.191	25541	
04/07/2021	05:25	3.69	08:15	4.69	4.03	05:25	0.67	08:15	0.95	0.77	05:25	0.122	08:15	0.242	0.160	21445	
04/08/2021	05:10	3.41	16:05	9.59	4.73	05:05	0.56	16:05	1.86	0.95	05:05	0.091	16:05	1.262	0.276	36933	0.40
04/09/2021	05:45	3.89	08:45	4.64	4.22	05:45	0.73	08:45	0.93	0.83	05:45	0.143	08:45	0.235	0.183	24411	
04/10/2021	06:00	3.63	18:35	11.18	5.02	06:30	0.65	18:55	2.51	1.06	06:30	0.118	18:35	2.057	0.354	47284	0.52
04/11/2021	23:55	4.52	00:00	5.36	4.93	05:10	0.94	12:05	1.22	1.06	23:55	0.228	00:05	0.364	0.290	38769	
04/12/2021	04:45	4.19	09:40	5.03	4.55	04:40	0.80	09:15	1.18	0.93	04:40	0.174	09:35	0.327	0.230	30734	0.02
04/13/2021	04:10	3.94	08:40	4.72	4.33	05:45	0.74	08:55	1.01	0.87	04:10	0.147	08:55	0.258	0.200	26677	
04/14/2021	03:15	3.87	08:55	4.74	4.27	03:15	0.73	08:50	0.99	0.85	03:15	0.142	08:55	0.255	0.191	25554	
04/15/2021	05:00	3.81	09:15	4.64	4.23	05:20	0.69	10:25	1.09	0.85	05:05	0.133	10:25	0.263	0.188	25151	
04/16/2021	04:15	3.62	09:10	4.55	4.10	05:50	0.63	13:15	1.01	0.81	05:50	0.113	09:15	0.238	0.172	23054	
04/17/2021	05:05	3.62	10:20	4.48	4.07	03:45	0.64	10:20	0.94	0.79	04:15	0.113	10:20	0.226	0.167	22311	
04/18/2021	05:45	3.55	19:30	4.49	4.08	05:15	0.61	20:20	0.99	0.79	06:15	0.105	20:20	0.233	0.167	22310	
04/19/2021	04:30	3.53	08:45	4.48	3.99	05:05	0.60	19:35	0.92	0.76	04:25	0.103	08:50	0.216	0.157	20936	
04/20/2021	05:15	3.38	08:45	4.46	3.92	04:25	0.56	08:00	0.94	0.74	04:25	0.091	08:45	0.222	0.150	20003	
04/21/2021	05:20	3.36	08:30	4.41	3.89	04:40	0.56	07:55	0.90	0.75	06:00	0.090	07:55	0.207	0.148	19813	
04/22/2021	05:25	3.35	08:20	4.33	3.87	05:35	0.54	10:10	0.92	0.73	05:35	0.085	10:10	0.206	0.144	19216	
04/23/2021	05:50	3.29	08:50	4.27	3.80	03:45	0.54	15:40	0.93	0.71	05:40	0.083	09:25	0.193	0.136	18149	
04/24/2021	05:35	3.29	11:15	4.28	3.82	06:00	0.54	10:45	0.89	0.72	06:00	0.083	10:50	0.198	0.139	18517	
04/25/2021	04:35	3.20	20:55	4.30	3.81	05:30	0.50	09:50	0.92	0.71	05:30	0.075	10:50	0.194	0.137	18354	
04/26/2021	04:35	3.21	08:20	4.38	3.81	05:05	0.53	08:15	0.90	0.71	05:00	0.078	08:15	0.206	0.137	18361	
04/27/2021	05:15	3.18	09:10	4.26	3.75	02:55	0.53	09:10	0.89	0.69	05:15	0.079	09:10	0.198	0.131	17493	
04/28/2021	05:10	3.10	09:20	4.18	3.71	04:00	0.50	09:10	0.93	0.68	05:20	0.071	09:10	0.200	0.127	16997	0.03
04/29/2021	03:50	3.19	08:45	4.98	3.83	03:50	0.52	08:45	1.04	0.72	03:50	0.076	08:45	0.289	0.142	18985	0.16
04/30/2021	05:15	3.15	09:05	4.26	3.69	03:00	0.51	09:25	0.96	0.68	05:25	0.076	09:25	0.211	0.126	16800	0.01
05/01/2021	05:55	3.15	10:15	4.32	3.76	05:45	0.49	10:15	0.88	0.70	05:45	0.071	10:15	0.200	0.133	17758	
05/02/2021	06:10	3.21	09:55	4.20	3.78	06:05	0.51	09:40	0.91	0.70	06:05	0.075	09:40	0.197	0.134	17910	
05/03/2021	04:00	3.16	21:10	4.56	3.74	03:05	0.51	21:05	0.91	0.68	03:05	0.074	21:05	0.223	0.129	17303	0.11
05/04/2021	06:10	3.11	08:45	4.15	3.68	04:15	0.50	08:45	0.82	0.67	04:15	0.071	08:45	0.176	0.123	16403	
05/05/2021	05:35	3.02	08:45	4.47	3.62	05:35	0.45	08:30	0.92	0.65	05:35	0.062	08:30	0.207	0.117	15647	
05/06/2021	03:45	3.01	09:15	4.25	3.67	03:50	0.46	12:50	0.86	0.66	03:50	0.062	09:15	0.188	0.122	16332	0.04
05/07/2021	05:40	3.05	11:20	4.73	3.66	05:00	0.44	11:15	0.94	0.66	05:00	0.062	11:20	0.242	0.121	16235	
05/08/2021	05:40	2.95	09:40	4.03	3.60	05:10	0.46	16:20	0.85	0.66	05:10	0.061	16:20	0.165	0.117	15658	
05/09/2021	06:30	3.04	11:20	4.26	3.66	03:50	0.40	10:45	0.87	0.66	03:50	0.056	10:40	0.192	0.122	16364	0.02
05/10/2021	05:15	2.94	09:30	4.15	3.62	04:35	0.46	10:15	0.89	0.67	04:35	0.060	10:15	0.183	0.120	16106	
05/11/2021	04:30	2.95	08:35	4.12	3.57	04:55	0.41	08:35	0.85	0.65	04:55	0.054	08:35	0.181	0.115	15418	
05/12/2021	05:15	2.97	09:25	4.10	3.58	05:10	0.44	21:15	0.87	0.65	05:10	0.059	21:15	0.179	0.116	15483	
05/13/2021	05:45	2.92	09:20	4.13	3.57	03:15	0.43	18:35	0.89	0.65	03:20	0.056	09:10	0.178	0.116	15443	
05/14/2021	04:55	2.89	09:15	4.12	3.54	04:10	0.43	09:20	0.81	0.64	04:25	0.056	09:20	0.172	0.112	15020	
05/15/2021	05:35	2.99	15:05	4.02	3.61	05:30	0.42	15:05	0.79	0.64	05:30	0.056	15:05	0.162	0.114	15268	
05/16/2021	05:40	2.94	12:05	4.14	3.62	04:55	0.34	21:40	0.81	0.62	04:55	0.045	21:40	0.170	0.112	15038	0.01

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	05:10	2.93 10:45	4.33	3.61	06:00	0.40 10:25	0.84	0.63	06:00	0.052 10:45	0.189	0.113	15098	
05/18/2021	05:25	2.88 08:55	4.26	3.60	03:50	0.36 20:45	0.85	0.62	03:50	0.046 20:45	0.188	0.112	14958	0.07
05/19/2021	04:30	2.98 10:45	5.23	3.69	05:20	0.41 10:40	1.18	0.66	05:20	0.055 10:40	0.347	0.124	16531	0.06
05/20/2021	05:40	2.88 09:05	4.01	3.53	05:40	0.38 08:45	0.80	0.62	05:40	0.048 08:45	0.161	0.108	14400	
05/21/2021	04:40	2.87 09:20	4.04	3.50	04:40	0.35 08:50	0.76	0.58	04:40	0.044 09:15	0.155	0.100	13326	
05/22/2021	05:45	2.86 10:30	3.98	3.52	03:10	0.37 10:15	0.79	0.60	05:25	0.048 10:30	0.157	0.105	14033	
05/23/2021	06:00	2.84 21:20	5.87	3.78	06:30	0.33 21:20	1.20	0.66	06:30	0.042 21:20	0.421	0.136	18151	0.19
05/24/2021	05:55	3.06 09:35	4.16	3.65	05:55	0.44 09:30	0.83	0.63	05:55	0.060 09:30	0.177	0.114	15275	0.01
05/25/2021	06:10	2.93 20:30	4.17	3.55	03:50	0.36 20:30	0.79	0.60	03:50	0.049 20:30	0.171	0.105	14009	
05/26/2021	00:55	3.34 02:05	11.09	4.69	00:55	0.50 02:05	2.24	0.94	00:55	0.078 02:05	1.834	0.273	36487	0.45
05/27/2021	05:15	3.16 09:20	4.22	3.76	03:25	0.47 08:05	0.92	0.72	03:25	0.071 09:15	0.201	0.137	18306	0.03
05/28/2021	04:30	3.31 05:45	5.05	3.98	02:05	0.57 05:40	1.19	0.78	02:10	0.090 05:40	0.336	0.161	21558	0.15
05/29/2021	06:05	3.17 10:00	4.05	3.63	06:30	0.51 09:00	0.84	0.68	06:30	0.075 10:20	0.174	0.122	16323	
05/30/2021	05:40	2.95 09:40	3.91	3.54	05:50	0.46 12:05	0.82	0.66	05:50	0.060 12:05	0.161	0.114	15290	
05/31/2021	03:30	2.96 11:25	4.16	3.64	03:00	0.42 10:20	0.93	0.68	03:15	0.056 10:20	0.191	0.124	16593	
06/01/2021	05:40	2.92 09:40	4.37	3.56	05:45	0.39 09:50	0.93	0.66	05:40	0.050 09:50	0.212	0.116	15523	
06/02/2021	05:30	2.90 09:15	4.05	3.53	03:40	0.35 08:25	0.86	0.64	03:40	0.046 08:25	0.177	0.112	14928	
06/03/2021	03:25	2.89 09:25	4.08	3.51	05:00	0.35 09:25	0.84	0.63	05:00	0.045 09:25	0.177	0.109	14594	
06/04/2021	05:10	2.81 09:10	3.92	3.46	05:45	0.34 09:05	0.79	0.61	05:45	0.042 09:05	0.157	0.103	13771	
06/05/2021	05:50	2.86 12:05	3.96	3.50	05:55	0.30 18:10	0.73	0.55	05:50	0.038 18:10	0.144	0.096	12785	
06/06/2021	05:40	2.83 10:55	3.97	3.48	05:50	0.35 19:45	0.82	0.60	05:50	0.043 19:45	0.156	0.103	13710	
06/07/2021	05:45	2.87 09:50	3.99	3.48	03:25	0.41 09:40	0.80	0.61	05:45	0.053 09:40	0.157	0.104	13922	
06/08/2021	06:00	2.75 21:05	3.87	3.46	06:05	0.32 21:05	0.76	0.59	06:05	0.038 21:05	0.148	0.099	13296	
06/09/2021	05:05	2.76 08:05	3.96	3.48	04:45	0.32 19:55	0.77	0.59	04:45	0.039 08:15	0.146	0.101	13562	
06/10/2021	05:35	2.77 08:30	4.10	3.53	04:30	0.35 08:35	0.79	0.60	05:30	0.043 08:30	0.166	0.104	13944	
06/11/2021	04:50	2.95 08:40	4.03	3.53	04:40	0.29 10:40	0.78	0.58	04:50	0.038 09:35	0.156	0.101	13552	
06/12/2021	05:45	2.89 15:20	16.94	4.31	05:25	0.38 15:10	3.26	0.80	05:35	0.049 15:20	4.246	0.267	35659	0.26
06/13/2021	05:55	3.20 10:55	6.11	3.75	15:25	0.46 10:50	1.30	0.67	04:30	0.080 10:50	0.476	0.126	16888	
06/14/2021	05:30	3.07 18:55	4.43	3.64	07:05	0.48 18:55	0.93	0.66	05:30	0.068 18:55	0.220	0.119	15894	
06/15/2021	04:45	2.96 21:50	4.07	3.55	05:15	0.37 12:20	0.80	0.63	05:15	0.049 09:15	0.165	0.110	14669	
06/16/2021	05:25	2.80 09:30	4.02	3.47	05:10	0.31 09:45	0.83	0.63	05:10	0.038 09:45	0.167	0.107	14330	
06/17/2021	05:35	2.85 08:50	3.97	3.46	04:45	0.28 19:45	0.79	0.62	04:45	0.034 08:30	0.154	0.106	14115	
06/18/2021	03:55	2.87 05:10	15.04	4.32	03:50	0.36 05:10	2.91	0.84	03:50	0.045 05:10	3.391	0.244	32624	0.38
06/19/2021	05:40	3.02 11:20	4.03	3.61	05:40	0.45 20:35	0.88	0.68	05:40	0.061 12:10	0.173	0.122	16348	
06/20/2021	05:40	2.93 23:35	22.47	4.33	05:35	0.38 23:35	4.52	0.83	05:35	0.049 23:35	6.701	0.329	43973	1.65
06/21/2021	23:55	4.52 00:00	20.94	6.40	23:35	0.87 00:00	4.18	1.34	23:35	0.213 00:00	6.198	0.682	91145	0.03
06/22/2021	23:55	3.97 08:25	4.69	4.29	23:50	0.72 07:45	1.05	0.86	23:55	0.145 08:25	0.264	0.194	25983	
06/23/2021	05:25	3.55 09:35	4.33	3.95	05:25	0.54 10:15	0.98	0.73	05:25	0.093 10:15	0.219	0.148	19827	
06/24/2021	05:00	3.32 16:00	7.29	4.26	04:55	0.50 14:50	1.49	0.80	04:55	0.078 14:50	0.703	0.194	25983	0.22
06/25/2021	03:35	3.65 05:20	13.97	6.48	00:40	0.57 05:15	2.83	1.37	03:10	0.107 05:15	3.033	0.636	85001	1.04
06/26/2021	01:25	4.99 12:00	19.88	7.85	01:25	1.01 12:05	3.86	1.70	01:25	0.281 12:05	5.631	1.012	135272	0.87
06/27/2021	23:55	5.05 00:00	6.53	5.75	23:50	1.07 01:30	1.52	1.28	23:55	0.306 01:30	0.598	0.440	58796	
06/28/2021	05:20	4.71 09:00	5.40	4.95	23:10	0.78 08:50	1.25	0.99	23:10	0.206 08:50	0.384	0.273	36460	0.06
06/29/2021	04:30	4.28 10:45	9.37	5.06	03:25	0.66 10:55	1.92	1.01	03:25	0.153 10:55	1.233	0.301	40220	0.25
06/30/2021	04:15	4.38 09:55	5.12	4.61	20:10	0.78 09:55	1.12	0.91	23:55	0.187 09:55	0.323	0.228	30445	0.02
07/01/2021	05:20	4.02 08:30	4.77	4.36	03:00	0.58 08:20	0.96	0.80	03:00	0.123 08:20	0.249	0.185	24732	
07/02/2021	05:40	3.77 09:20	4.64	4.22	05:50	0.57 14:00	0.93	0.74	05:50	0.107 09:10	0.229	0.163	21753	
07/03/2021	06:05	3.65 11:35	4.52	4.12	05:10	0.45 11:55	0.93	0.69	05:10	0.080 11:55	0.222	0.147	19636	
07/04/2021	04:45	3.52 10:50	4.46	4.04	04:10	0.40 10:20	0.88	0.65	04:10	0.068 10:20	0.204	0.137	18280	
07/05/2021	06:00	3.44 13:25	4.65	4.01	04:35	0.38 13:25	0.92	0.65	04:35	0.063 13:25	0.233	0.135	18094	
07/06/2021	05:25	3.36 09:00	4.33	3.90	04:05	0.35 22:50	0.81	0.62	04:05	0.056 08:10	0.180	0.124	16513	
07/07/2021	05:10	3.33 09:25	4.35	3.96	05:20	0.37 23:05	0.85	0.64	05:20	0.057 21:45	0.189	0.131	17476	
07/08/2021	05:00	3.45 08:55	4.39	3.89	04:55	0.37 22:10	0.86	0.61	04:55	0.061 22:10	0.192	0.122	16281	
07/09/2021	05:10	3.30 09:35	4.28	3.86	05:25	0.35 09:00	0.83	0.60	05:25	0.054 09:00	0.183	0.119	15954	
07/10/2021	05:00	3.28 21:35	7.37	4.07	04:50	0.35 21:30	1.49	0.67	04:50	0.053 21:30	0.714	0.151	20215	0.27

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total		Total
07/11/2021	01:50	3.83 02:35	7.72	4.33	01:10	0.52 02:30	1.64	0.74	01:40	0.100 02:30	0.837	0.177	23672		0.24
07/12/2021	06:10	3.40 09:00	4.40	3.91	05:35	0.40 08:55	0.83	0.61	05:35	0.064 09:00	0.192	0.122	16343		0.03
07/13/2021	05:25	3.45 09:00	4.38	3.99	05:50	0.42 09:55	0.84	0.64	05:35	0.069 09:55	0.192	0.132	17589		0.07
07/14/2021	05:35	3.25 09:40	4.39	3.81	04:30	0.33 09:35	0.82	0.59	04:30	0.051 09:35	0.189	0.116	15483		
07/15/2021	04:05	3.23 23:55	9.79	4.00	03:25	0.34 23:55	1.93	0.64	03:25	0.052 23:55	1.348	0.148	19734		0.45
07/16/2021	23:55	4.03 00:15	12.00	5.04	19:50	0.64 00:10	2.76	0.94	19:50	0.140 00:10	2.465	0.330	44073		0.33
07/17/2021	05:05	3.59 11:20	4.33	3.94	01:00	0.57 10:30	0.81	0.67	05:40	0.100 10:30	0.180	0.135	18049		
07/18/2021	05:05	3.26 21:00	4.24	3.80	05:15	0.41 19:20	0.82	0.63	05:15	0.063 17:35	0.175	0.122	16320		
07/19/2021	04:35	3.13 09:40	4.21	3.73	04:15	0.40 10:20	0.87	0.64	04:15	0.057 09:45	0.182	0.120	16055		
07/20/2021	03:05	3.16 21:05	4.17	3.68	03:55	0.40 08:30	0.86	0.62	03:05	0.059 08:30	0.181	0.114	15240		
07/21/2021	05:20	3.02 08:50	4.07	3.58	03:30	0.34 22:00	0.79	0.58	03:30	0.047 08:10	0.160	0.103	13708		
07/22/2021	05:05	2.93 09:30	4.10	3.57	04:35	0.33 08:05	0.86	0.58	04:35	0.044 08:05	0.168	0.102	13683		
07/23/2021	05:30	2.91 09:45	4.05	3.60	04:00	0.32 08:20	0.76	0.59	04:00	0.042 08:30	0.154	0.105	14078		0.06
07/24/2021	04:00	3.06 17:30	4.78	3.65	04:55	0.36 17:30	0.86	0.59	04:55	0.050 17:30	0.226	0.108	14373		0.04
07/25/2021	05:15	2.89 20:55	4.00	3.51	05:25	0.31 10:25	0.76	0.55	05:25	0.039 10:25	0.149	0.096	12770		
07/26/2021	05:40	2.88 09:20	3.93	3.49	05:40	0.31 20:20	0.72	0.56	05:40	0.039 20:20	0.142	0.096	12883		
07/27/2021	05:40	2.85 08:45	3.93	3.47	05:20	0.29 08:40	0.74	0.55	05:20	0.036 08:45	0.146	0.094	12531		
07/28/2021	04:40	2.83 09:30	4.00	3.46	04:35	0.28 09:30	0.77	0.55	04:35	0.035 09:30	0.157	0.094	12519		0.01
07/29/2021	03:05	2.95 09:35	4.00	3.57	02:55	0.39 07:30	0.80	0.59	02:55	0.051 09:35	0.151	0.104	13876		0.10
07/30/2021	05:20	2.82 09:15	4.01	3.44	04:55	0.28 09:20	0.77	0.55	04:55	0.035 09:20	0.158	0.092	12354		
07/31/2021	06:05	2.76 13:05	3.86	3.40	05:40	0.27 12:35	0.68	0.48	05:40	0.033 12:35	0.129	0.080	10669		
08/01/2021	06:15	2.74 11:00	3.96	3.43	05:30	0.23 10:05	0.76	0.54	06:15	0.028 10:05	0.147	0.091	12203		
08/02/2021	05:15	2.75 10:00	3.84	3.39	05:20	0.28 09:45	0.70	0.53	05:20	0.033 10:00	0.133	0.087	11652		
08/03/2021	06:10	2.72 09:20	3.80	3.35	04:20	0.27 21:00	0.71	0.51	06:10	0.032 21:00	0.131	0.083	11112		
08/04/2021	05:35	2.69 08:35	3.77	3.32	05:35	0.24 10:10	0.72	0.51	05:35	0.028 10:10	0.134	0.082	10951		
08/05/2021	05:45	2.72 09:30	3.86	3.32	05:05	0.30 09:15	0.72	0.51	05:05	0.035 09:15	0.137	0.083	11043		
08/06/2021	06:30	2.80 22:15	6.62	3.54	06:30	0.31 22:10	1.40	0.58	06:30	0.038 22:10	0.571	0.108	14396		0.13
08/07/2021	06:15	2.83 10:35	4.02	3.47	05:30	0.30 10:25	0.78	0.57	05:30	0.038 10:30	0.155	0.097	12928		
08/08/2021	06:00	2.74 20:40	3.93	3.44	05:25	0.26 20:55	0.76	0.55	05:25	0.031 20:55	0.150	0.093	12488		
08/09/2021	05:10	2.70 10:00	13.57	4.45	05:25	0.26 10:05	2.62	0.79	05:25	0.031 10:00	2.712	0.273	36495		0.87
08/10/2021	06:00	3.47 20:15	17.70	4.85	03:40	0.59 20:05	3.50	0.91	05:20	0.099 20:05	4.640	0.372	49743		0.94
08/11/2021	23:55	3.95 00:00	5.54	4.41	17:00	0.67 00:00	1.12	0.82	17:00	0.141 00:00	0.364	0.194	25934		0.10
08/12/2021	05:45	3.42 09:05	4.48	3.89	05:45	0.52 09:05	0.91	0.67	05:45	0.085 09:05	0.217	0.133	17745		
08/13/2021	06:00	3.20 11:40	4.08	3.68	06:05	0.38 09:45	0.76	0.58	06:05	0.056 09:45	0.159	0.107	14317		
08/14/2021	05:35	3.04 10:00	4.00	3.58	03:30	0.31 09:55	0.68	0.53	04:40	0.043 09:55	0.138	0.094	12627		
08/15/2021	05:45	3.03 20:55	4.14	3.60	04:40	0.25 20:00	0.79	0.55	04:40	0.034 20:00	0.165	0.098	13092		
08/16/2021	04:55	2.93 10:05	4.12	3.57	05:05	0.26 09:55	0.74	0.55	05:05	0.034 09:55	0.156	0.097	12988		
08/17/2021	05:35	2.85 08:05	4.02	3.50	04:25	0.25 21:45	0.68	0.52	04:25	0.032 08:10	0.132	0.090	12084		
08/18/2021	05:00	2.85 08:35	4.01	3.48	04:30	0.26 09:20	0.74	0.53	05:35	0.033 09:20	0.145	0.091	12156		
08/19/2021	05:25	2.93 09:35	4.03	3.49	04:30	0.29 09:30	0.72	0.53	04:30	0.038 09:30	0.148	0.092	12273		
08/20/2021	05:25	2.87 13:45	5.30	3.51	05:00	0.29 13:45	1.09	0.53	05:00	0.037 13:45	0.331	0.094	12505		
08/21/2021	04:35	2.80 09:50	3.93	3.45	04:55	0.21 16:50	0.71	0.52	04:55	0.026 10:30	0.137	0.089	11895		
08/22/2021	06:35	2.89 20:10	4.05	3.52	05:10	0.29 10:40	0.74	0.55	06:30	0.038 20:25	0.147	0.096	12833		
08/23/2021	05:55	2.79 20:45	4.23	3.47	04:35	0.26 20:50	0.75	0.52	04:35	0.031 20:50	0.166	0.090	12030		
08/24/2021	05:25	2.85 18:10	14.29	4.14	05:45	0.27 18:10	2.79	0.67	05:45	0.033 18:10	3.073	0.206	27532		0.43
08/25/2021	04:40	3.27 23:55	4.99	3.73	17:30	0.48 23:55	1.02	0.65	04:40	0.078 23:55	0.285	0.121	16223		0.24
08/26/2021	05:15	3.08 00:00	5.02	3.65	04:05	0.43 00:00	1.04	0.62	04:55	0.063 00:00	0.293	0.114	15193		0.02
08/27/2021	03:45	2.94 08:05	4.15	3.49	04:50	0.30 08:35	0.84	0.56	04:50	0.040 08:35	0.177	0.097	12948		
08/28/2021	04:40	2.82 17:10	10.00	3.81	04:50	0.29 17:10	2.06	0.64	04:50	0.036 17:10	1.483	0.146	19460		
08/29/2021	06:25	3.04 10:40	4.09	3.66	06:25	0.41 14:00	0.81	0.63	06:25	0.056 10:40	0.169	0.114	15305		
08/30/2021	05:15	2.90 08:10	4.14	3.51	03:20	0.30 08:20	0.80	0.59	03:20	0.039 08:30	0.171	0.102	13647		
08/31/2021	05:55	2.79 08:55	4.07	3.41	06:10	0.31 19:55	0.81	0.56	06:10	0.038 19:55	0.164	0.093	12465		

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			3180000	11.39
Avg	3.90	0.70	0.155	

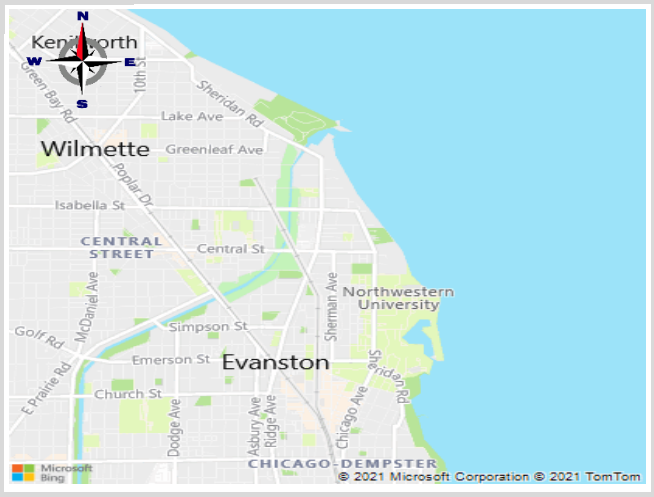
Evanston, IL

Flow Monitoring Site Report

SITE NAME

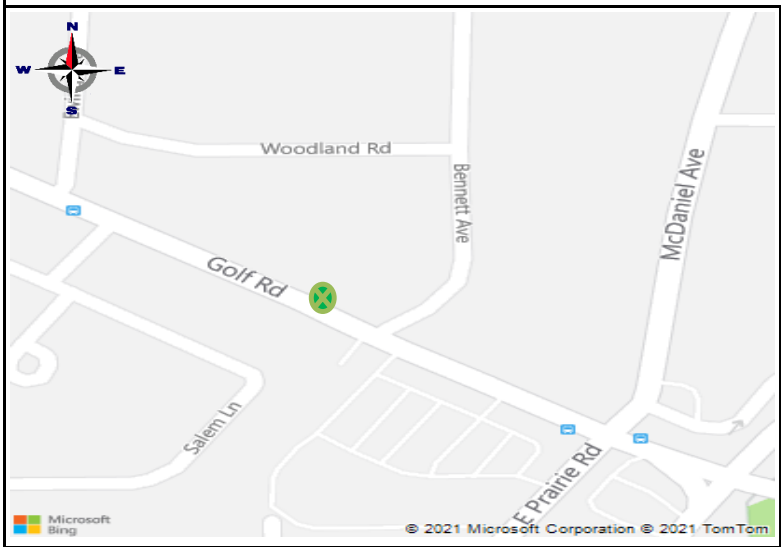
B0603500

Site Address /Location:	2719 Golf Rd.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in road ; MH in North bound lane	Latitude:	42.053695	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.711881	60 x 60	Circular



Manhole #	System Characteristics
B06_03500	Residential
Access	Traffic
Drive	Medium







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, April 14, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
8:59:00 AM	60 x 60
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
5.00	53.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
2.14	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Fair

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
19	Single
Manhole Material:	Manhole Condition:
Liner	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

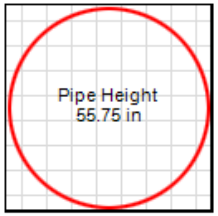
Upstream 	Downstream 	
		

SCATTERGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

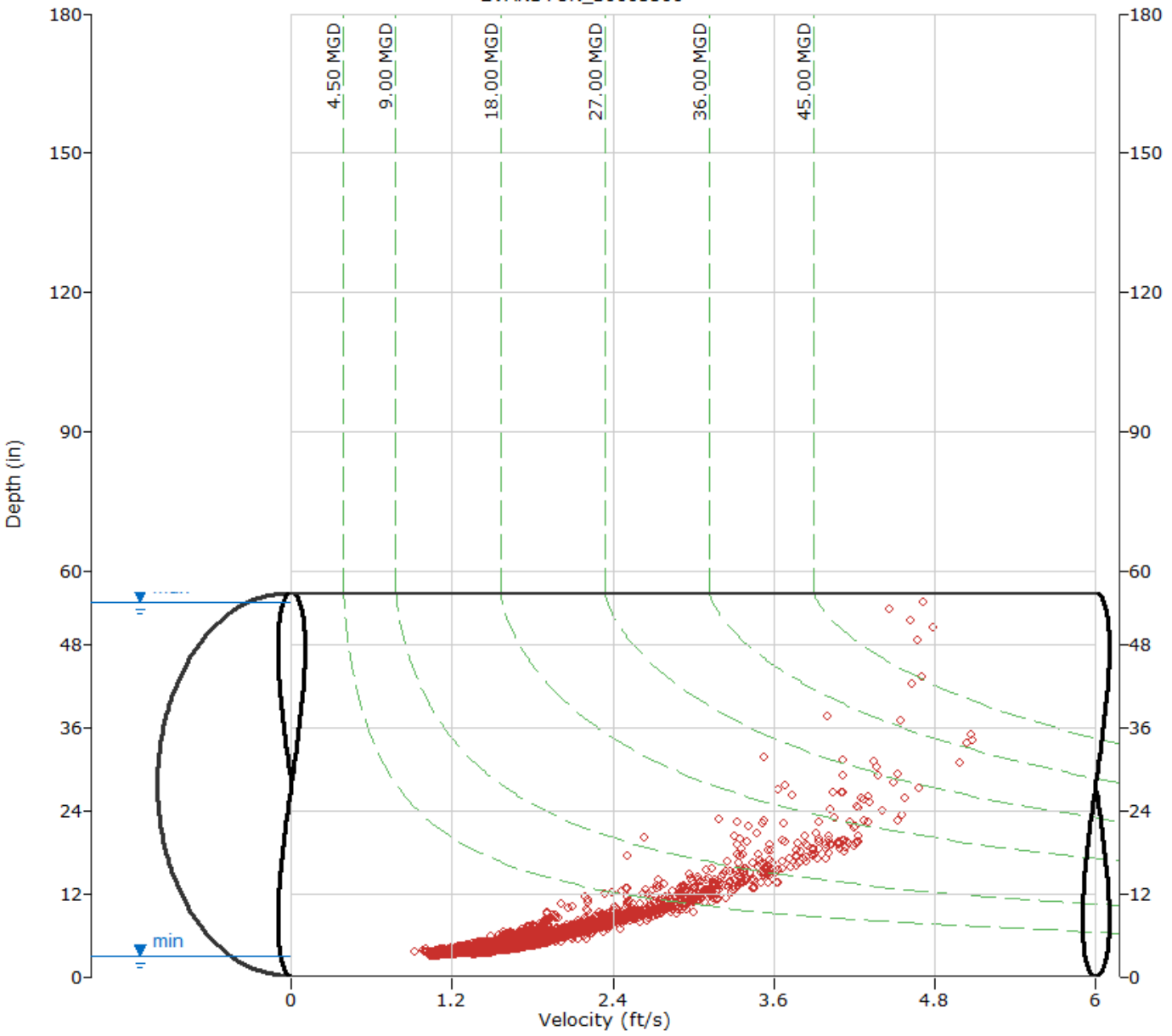


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



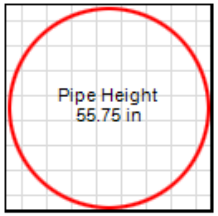
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

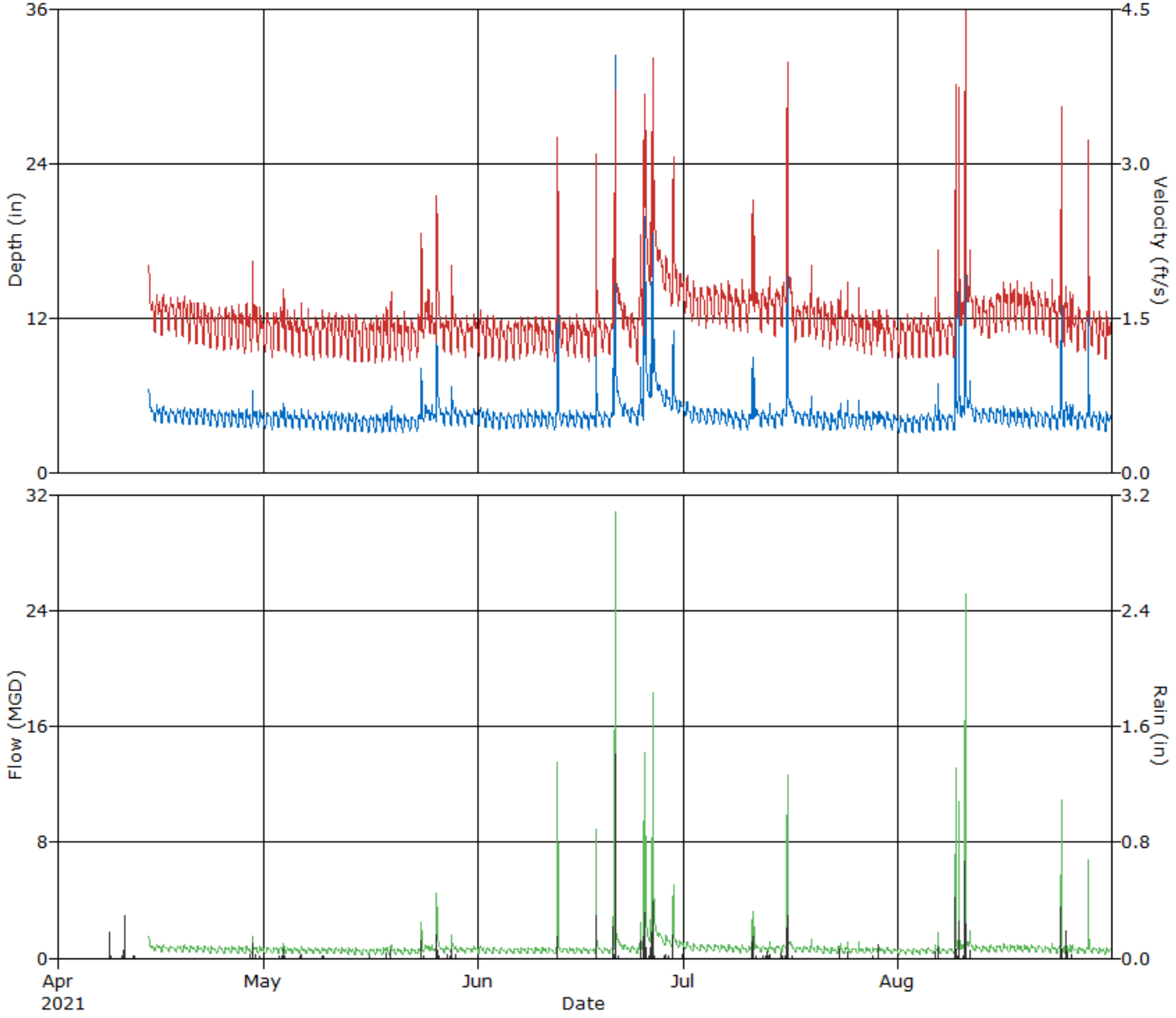


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



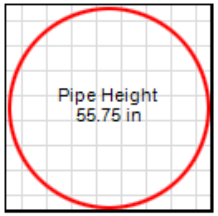
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

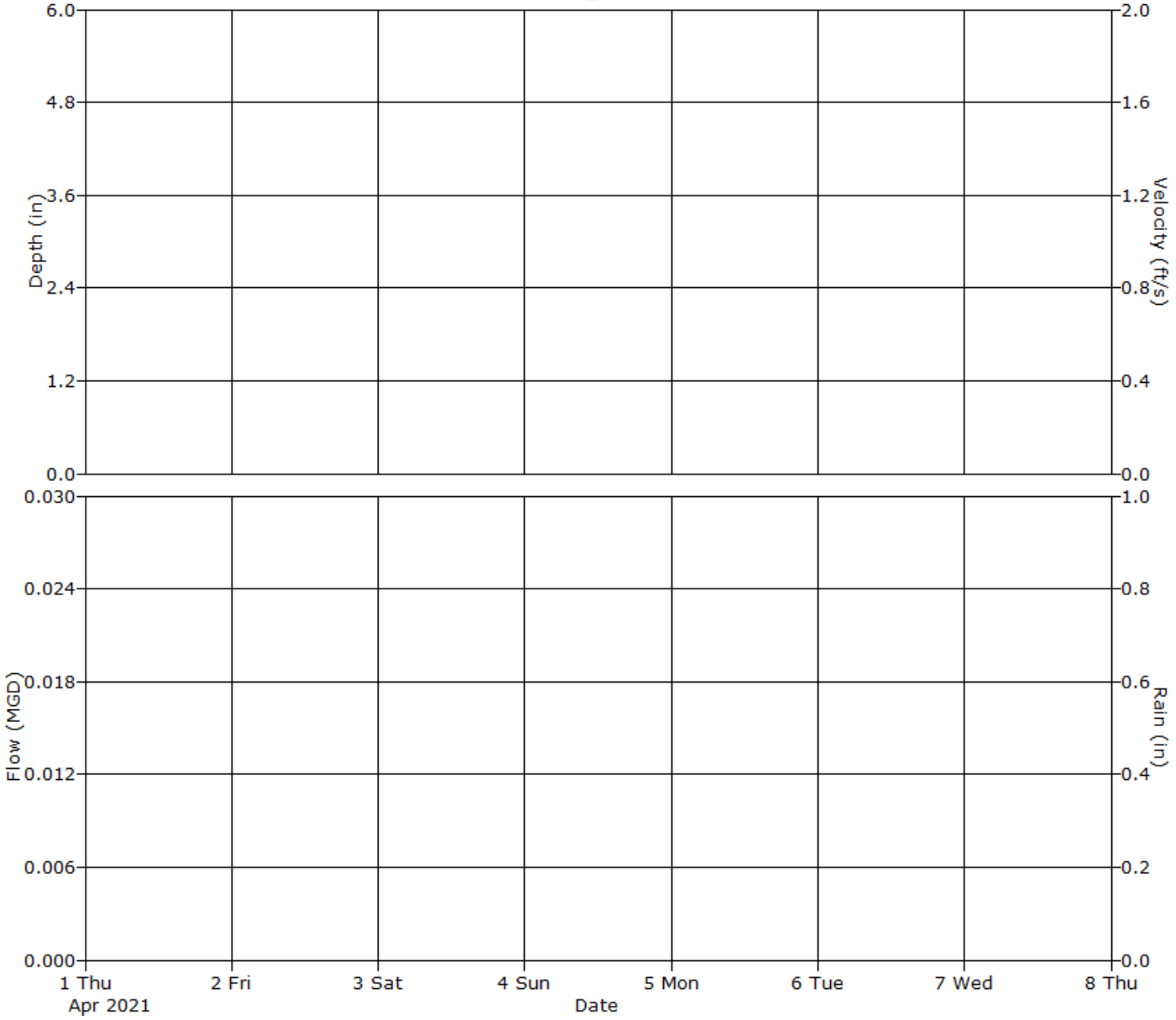


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



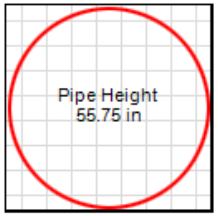
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

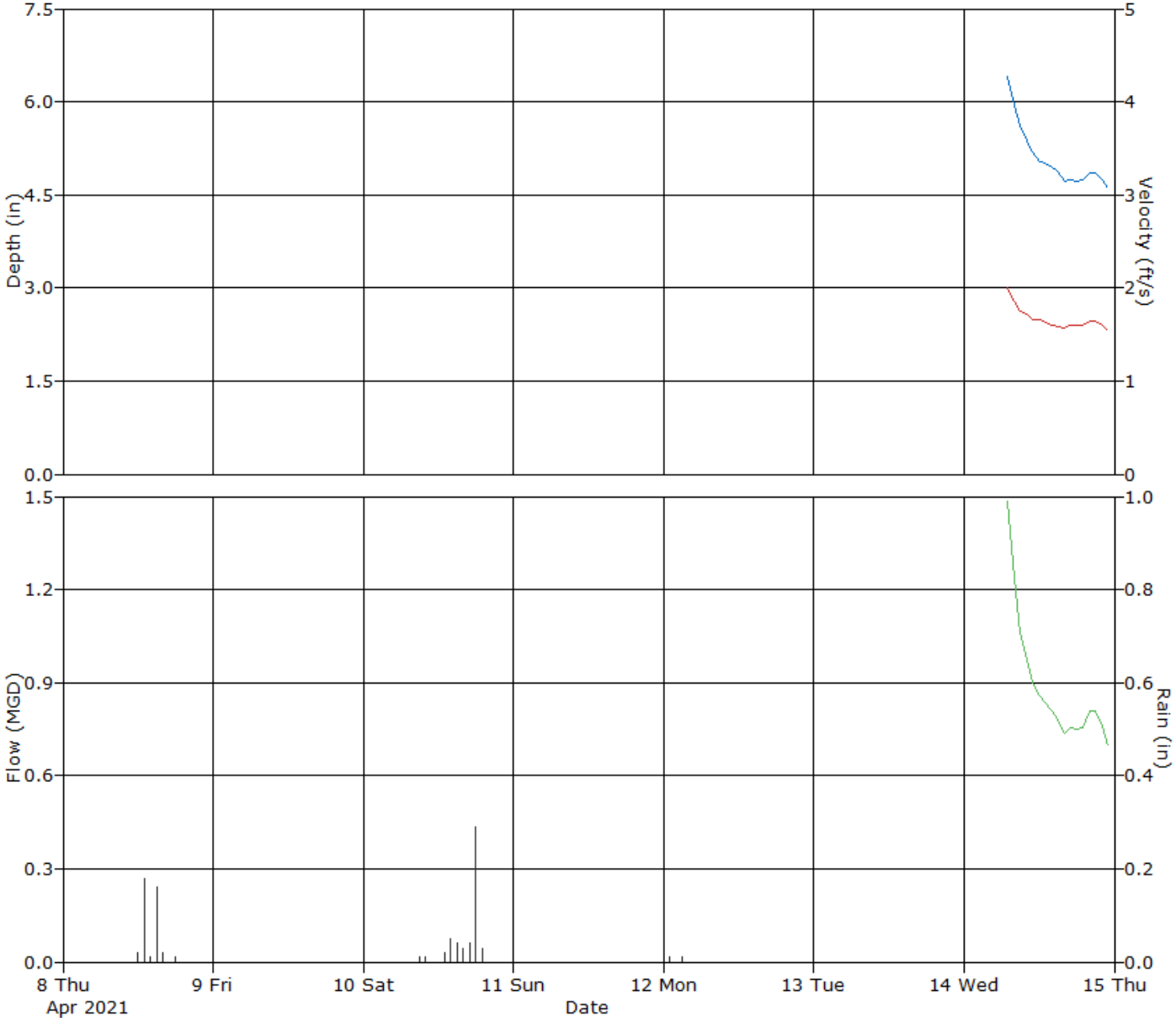


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



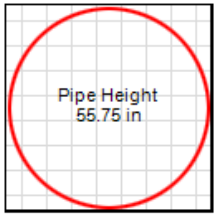
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

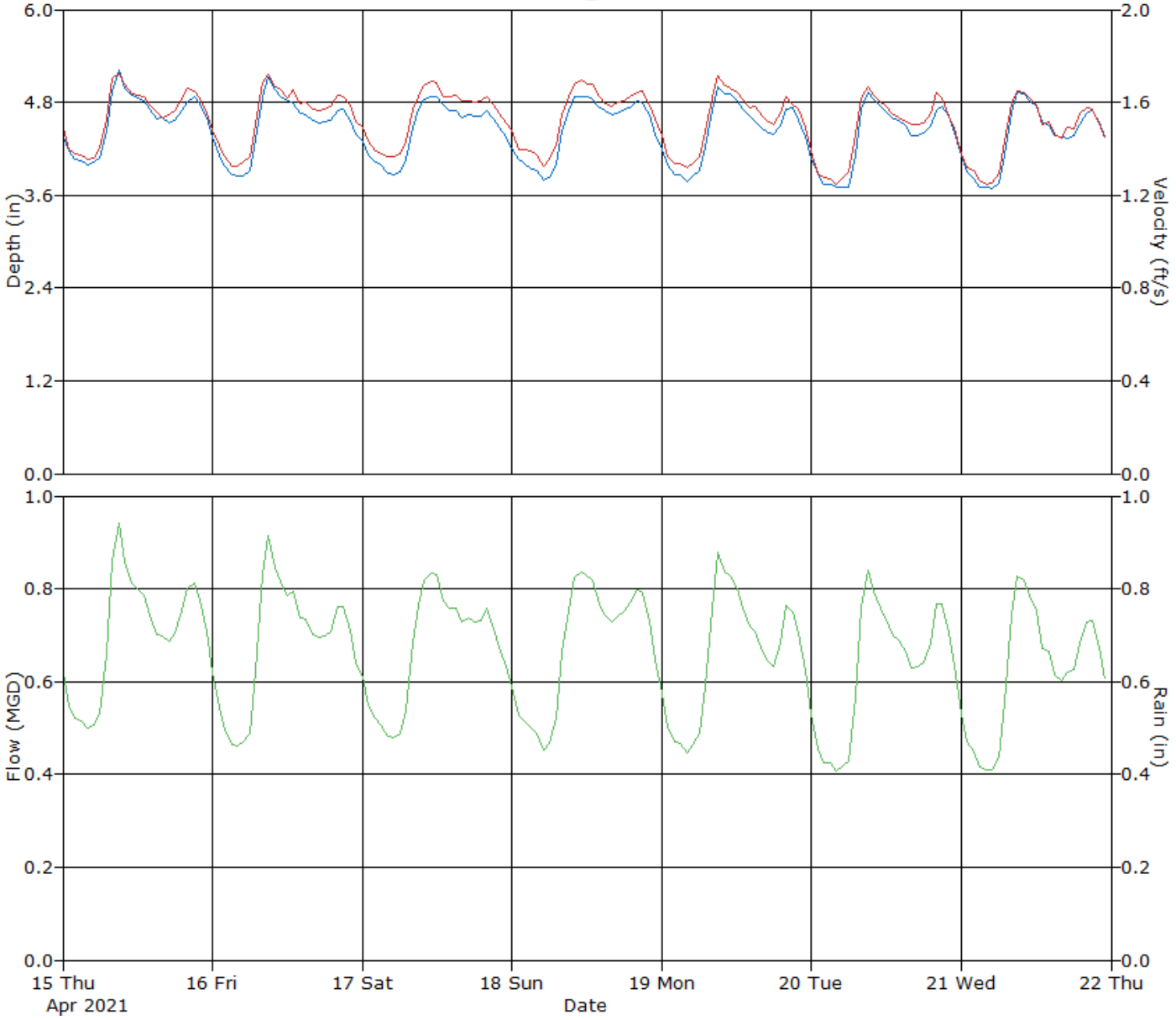


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



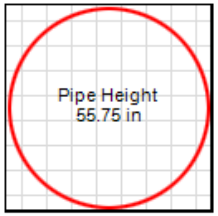
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

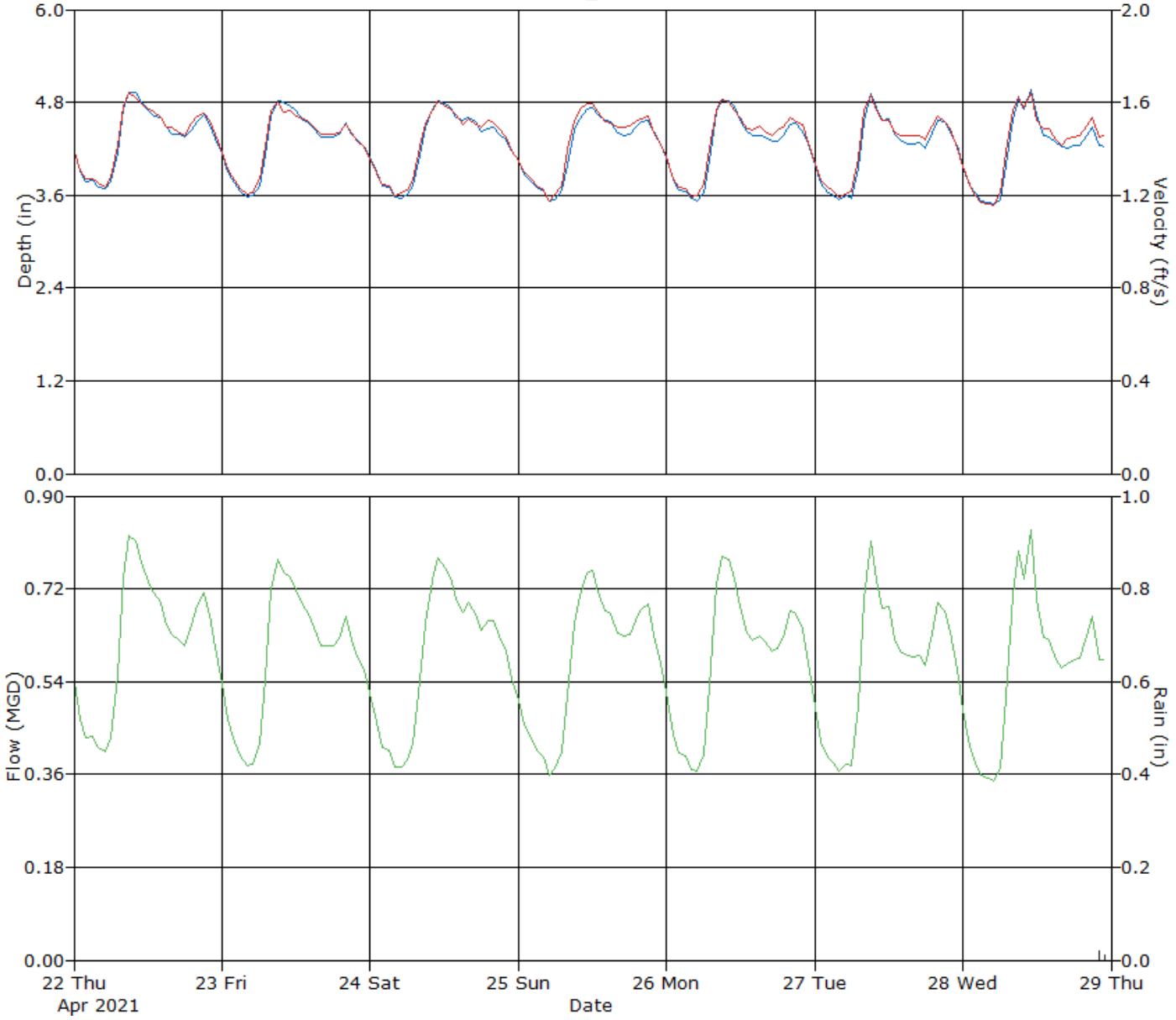


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



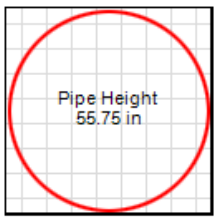
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

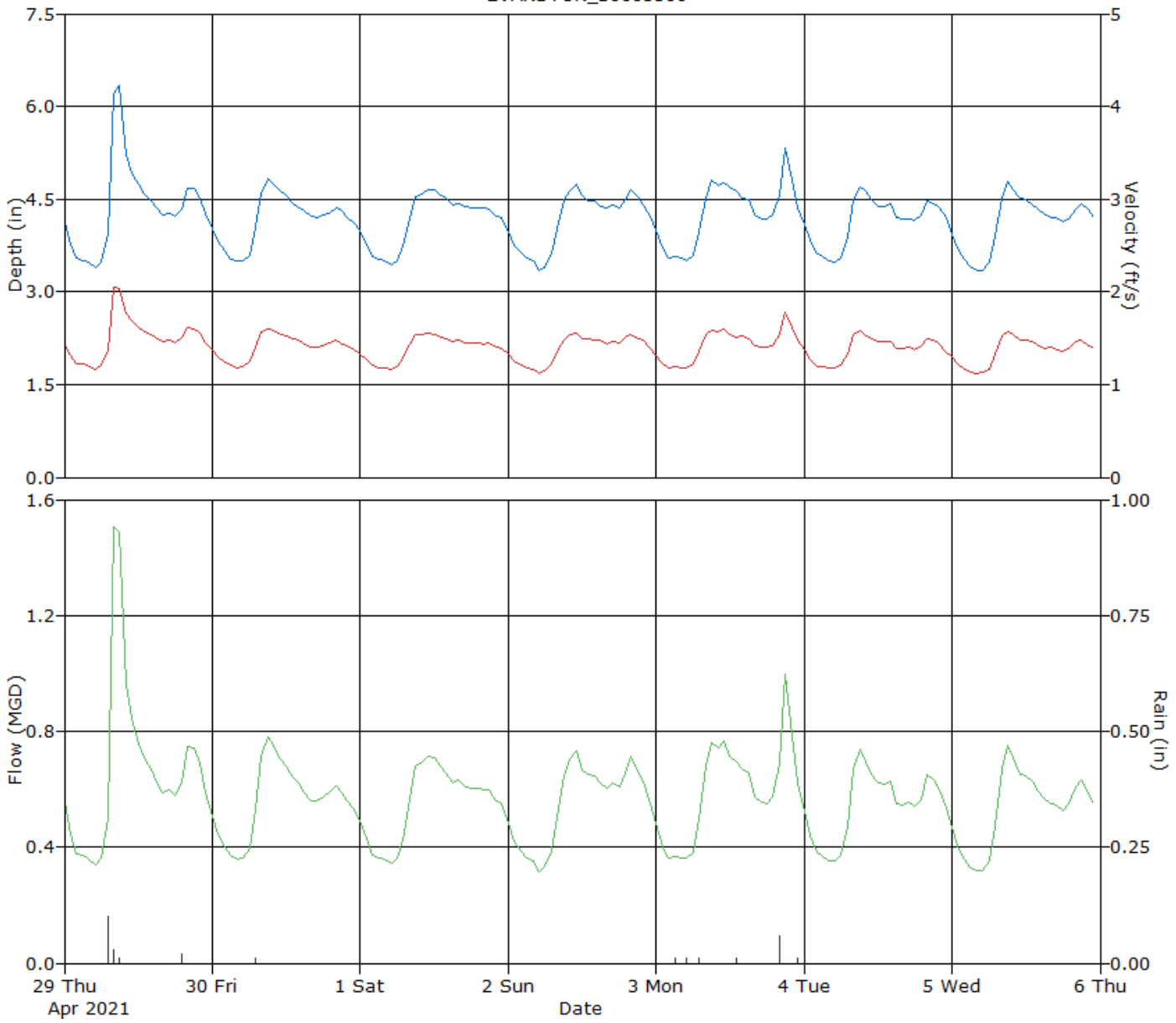


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



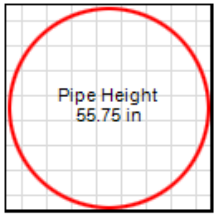
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

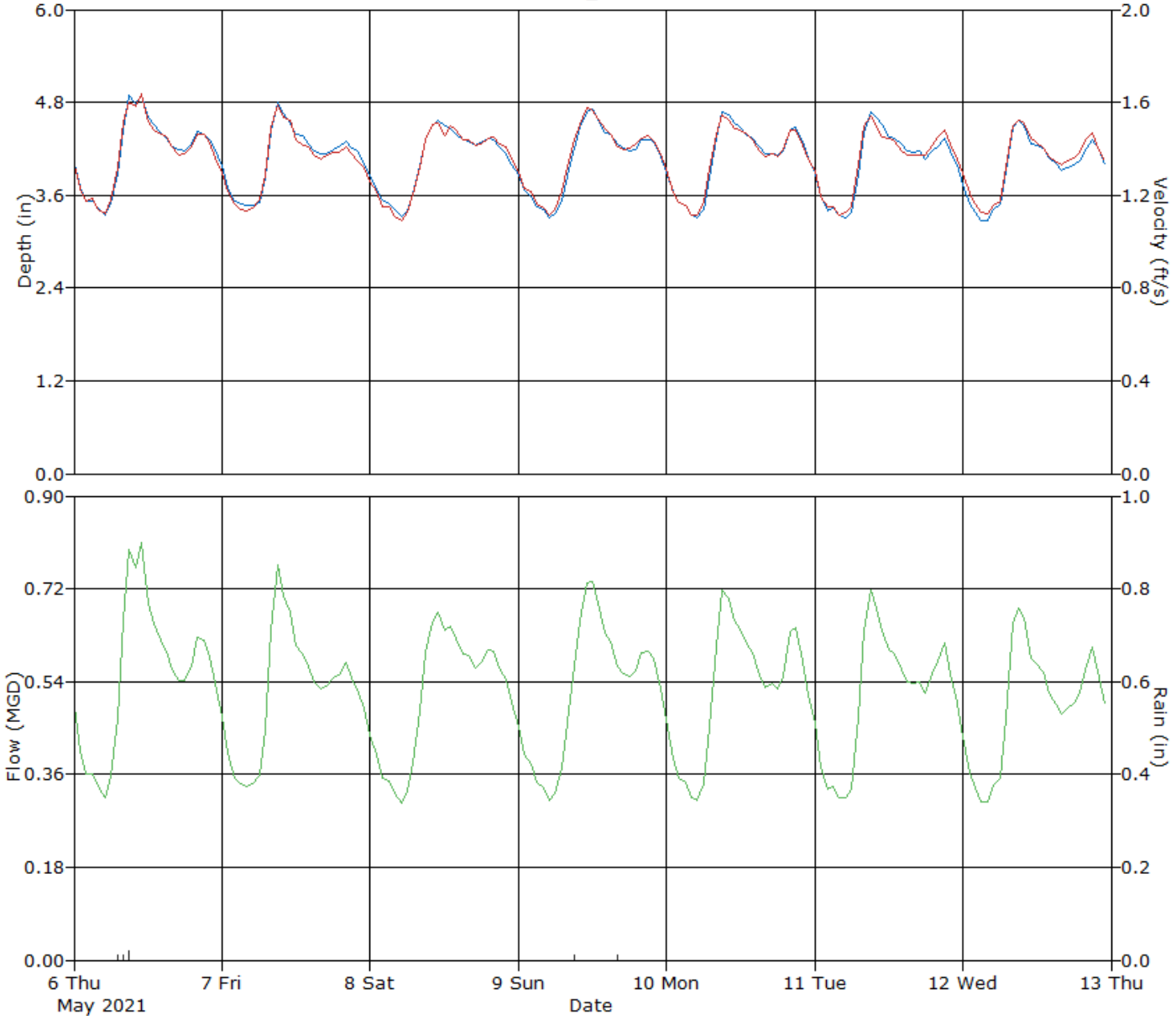


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



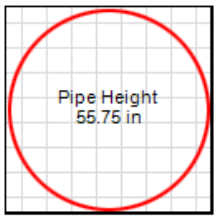
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

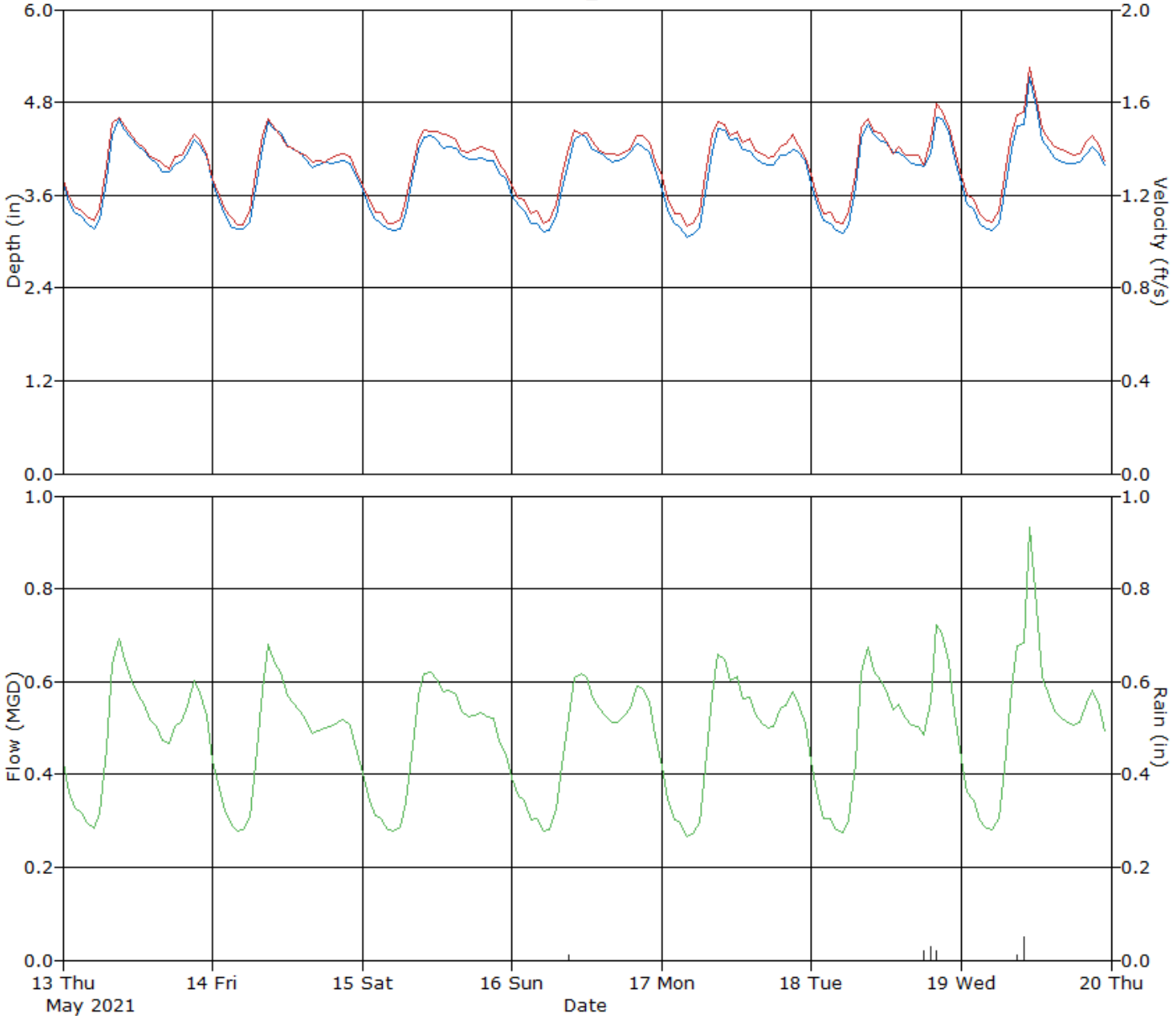


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



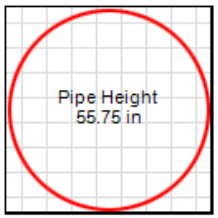
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

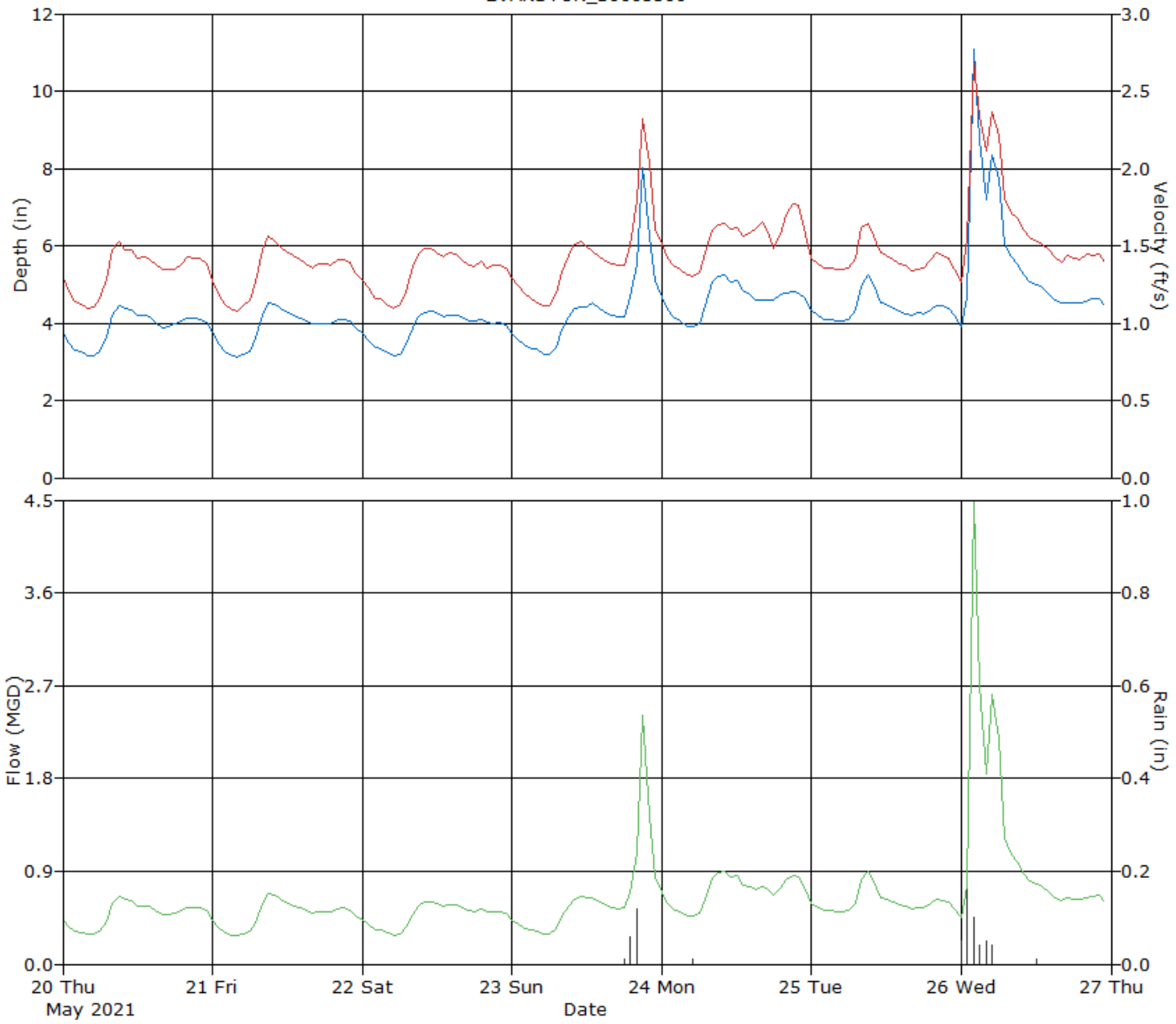


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

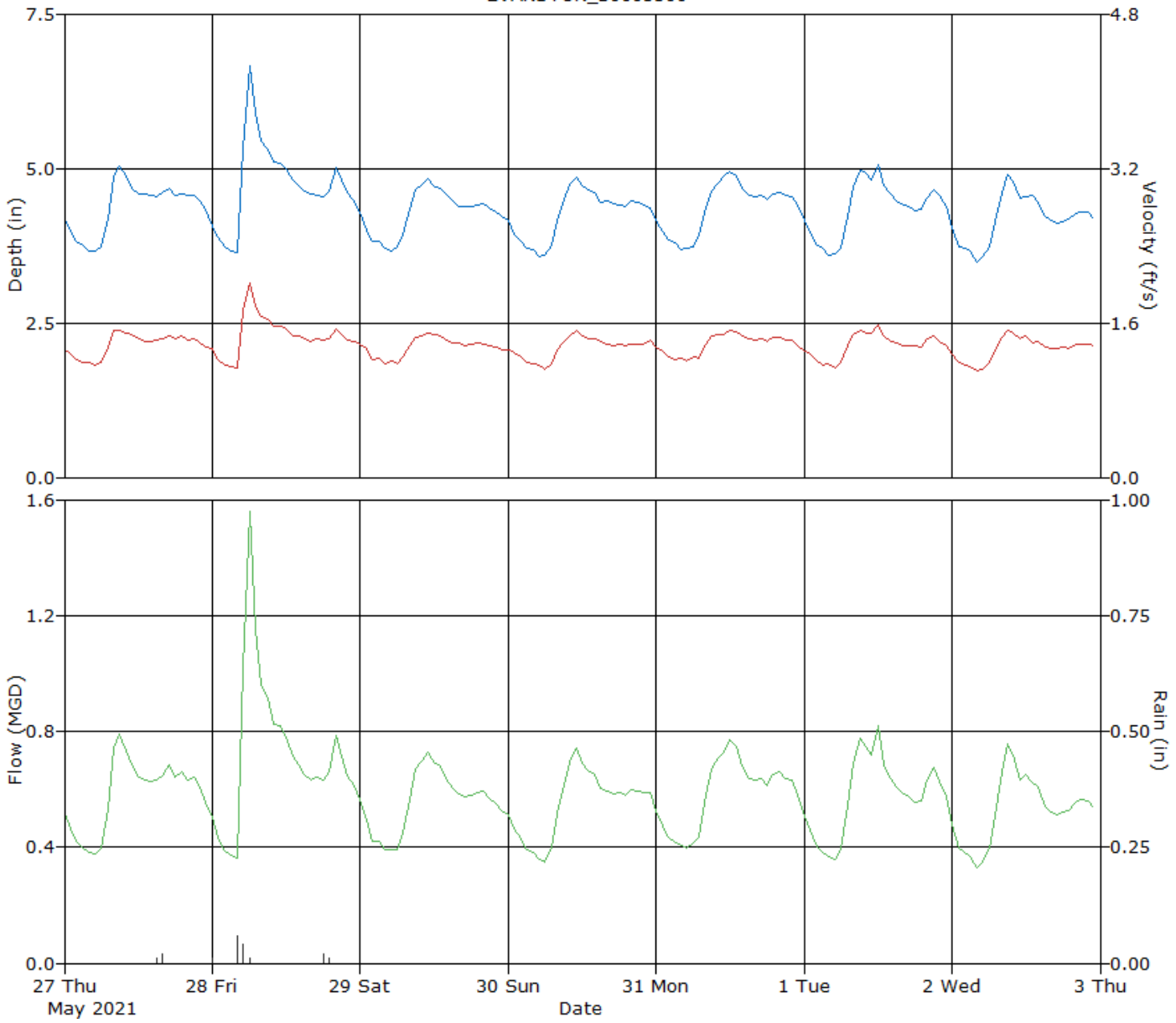
Pipe Height
55.75 in

Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



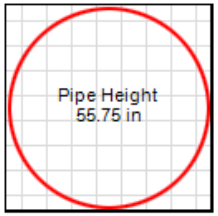
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

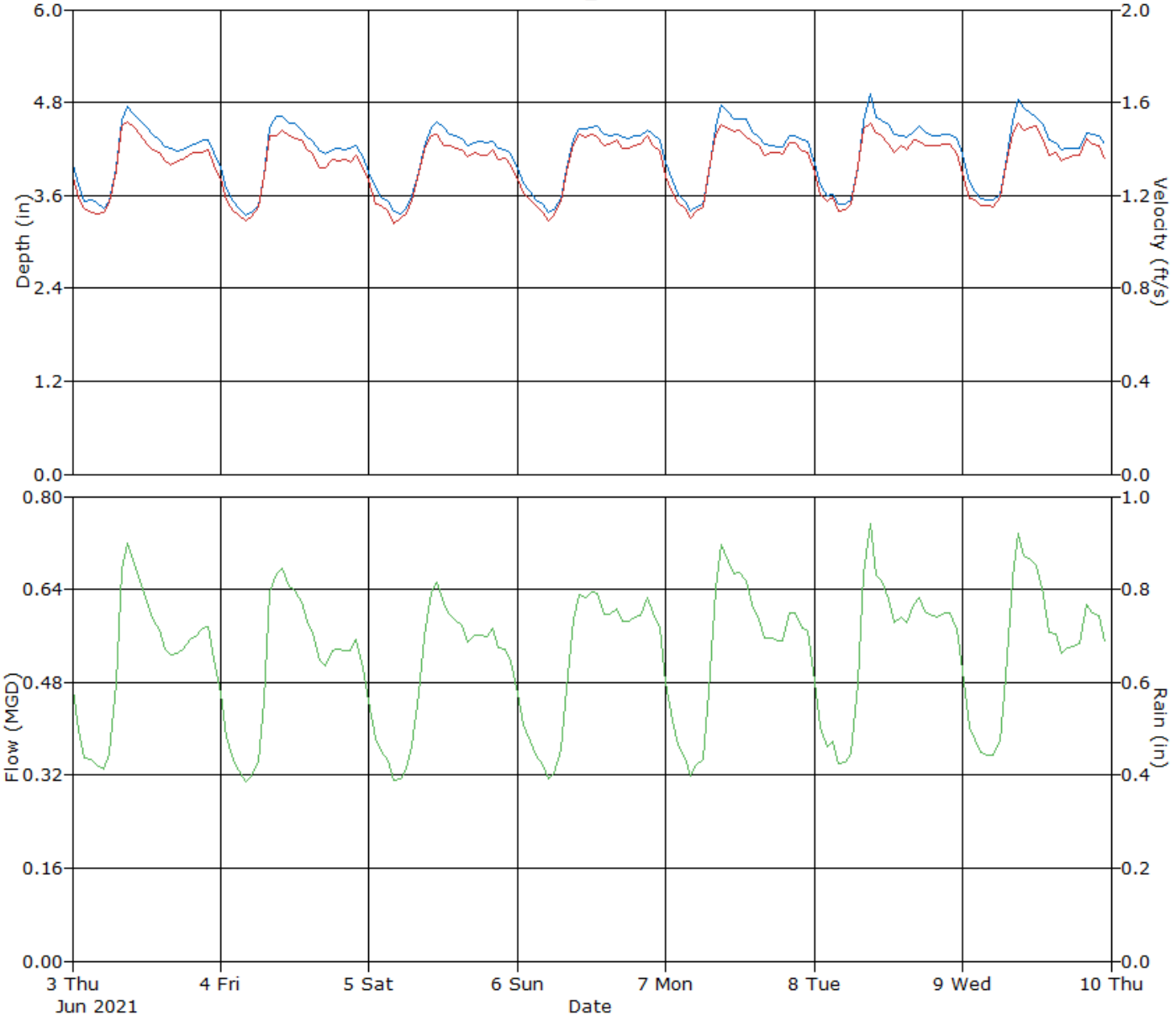


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



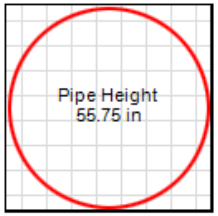
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

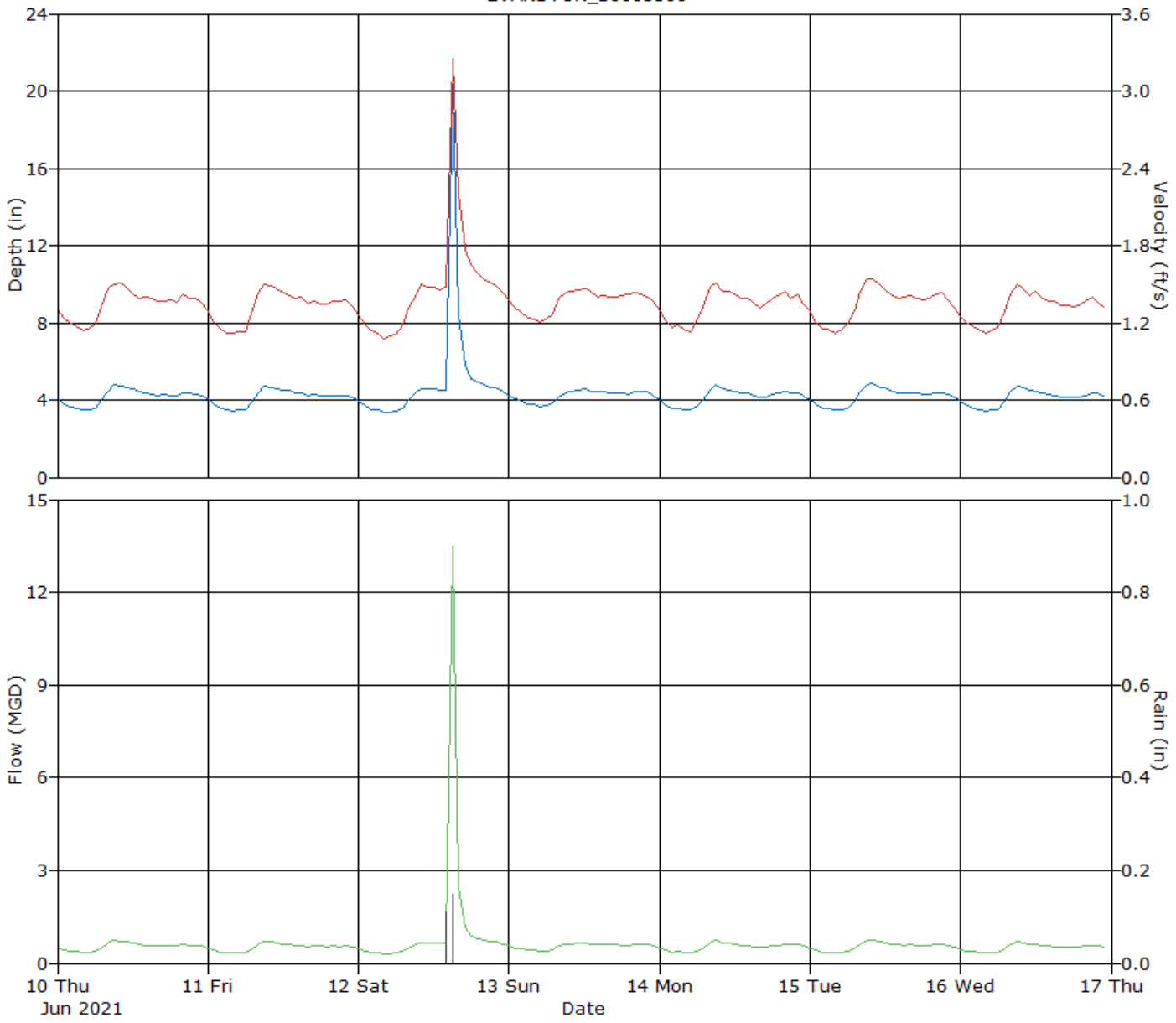


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



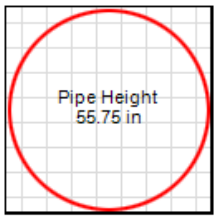
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

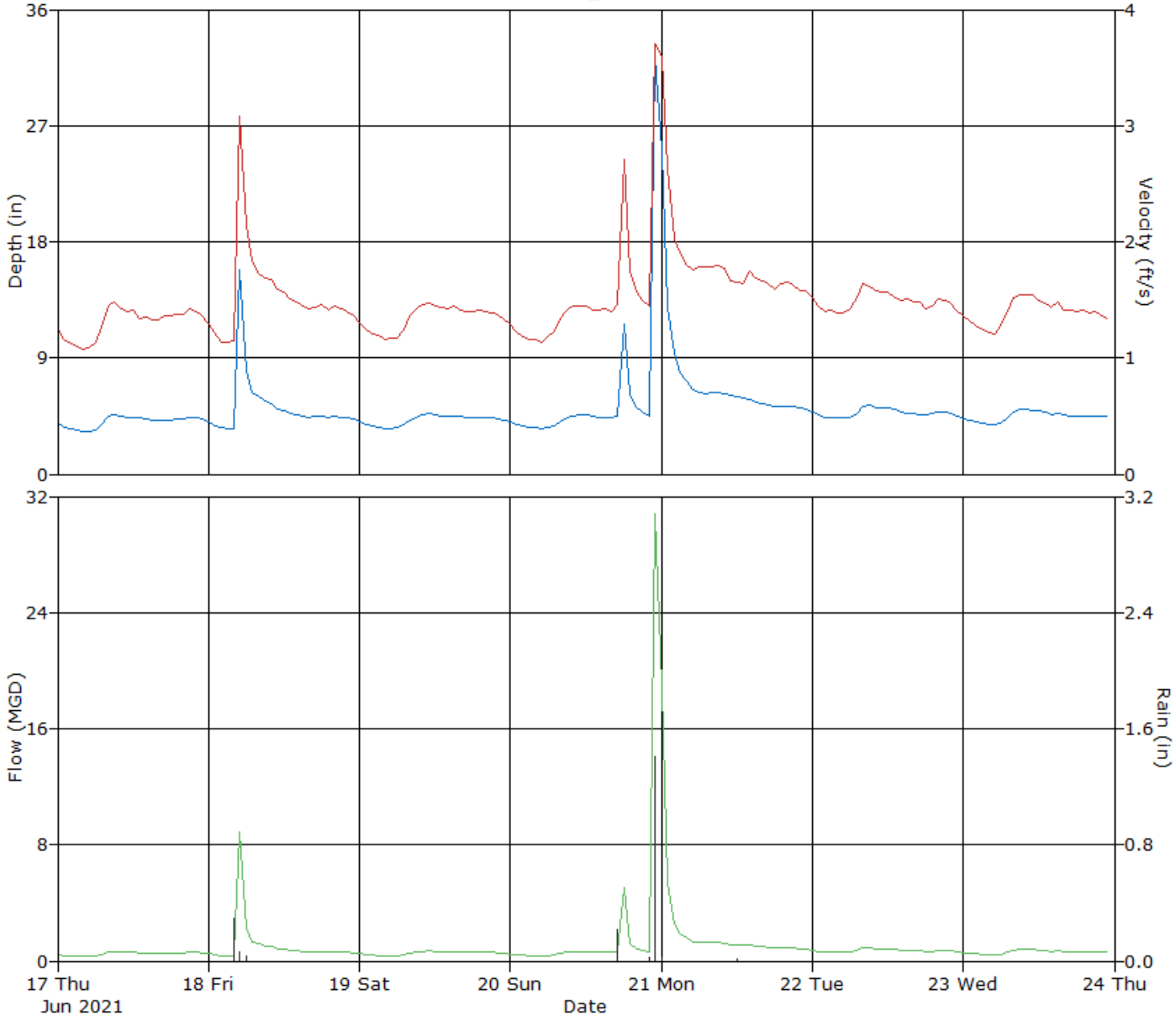


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



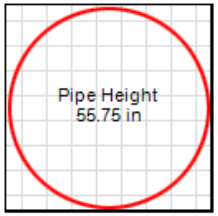
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

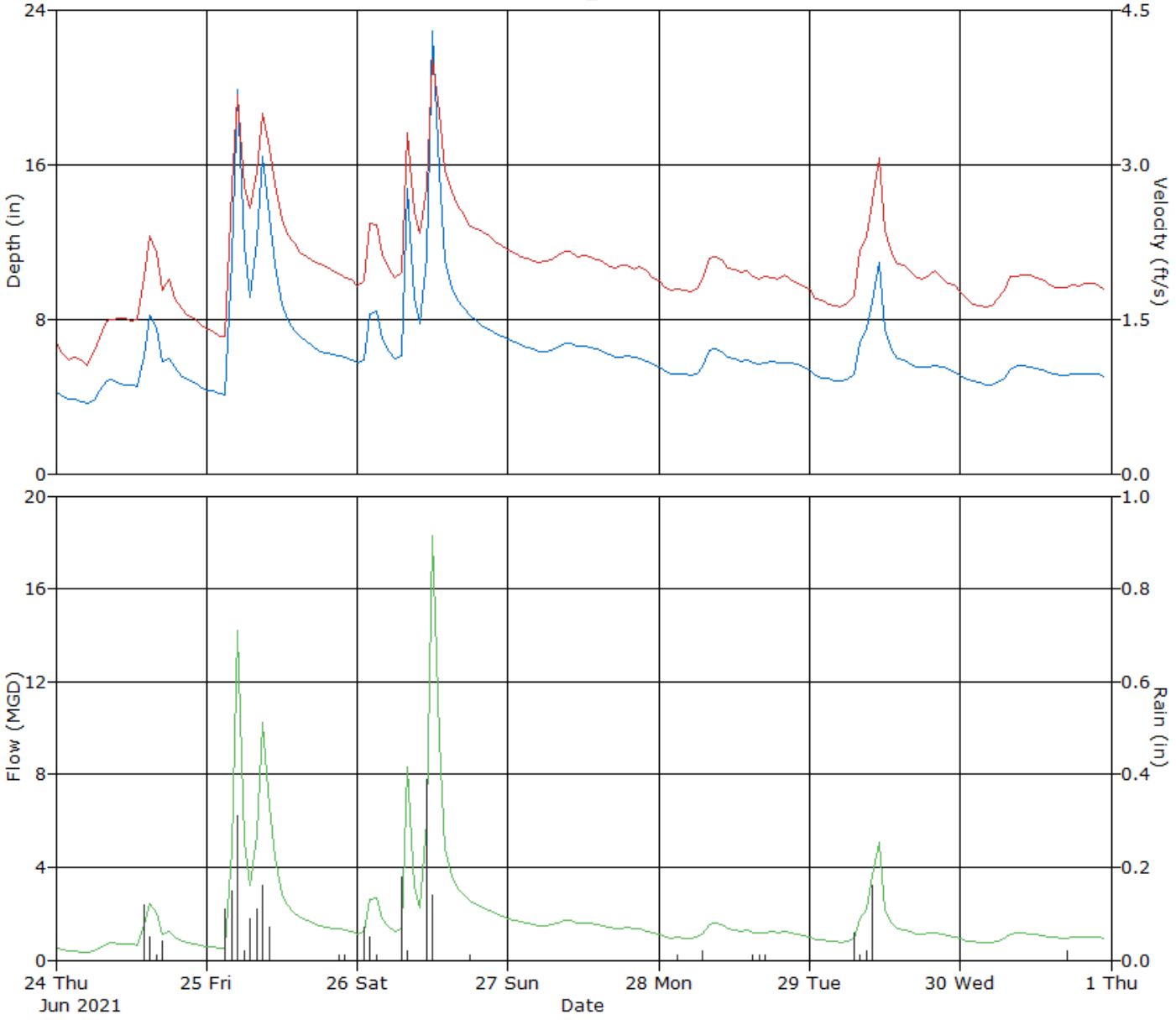


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



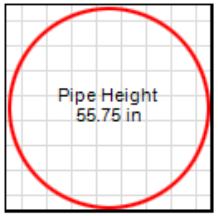
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

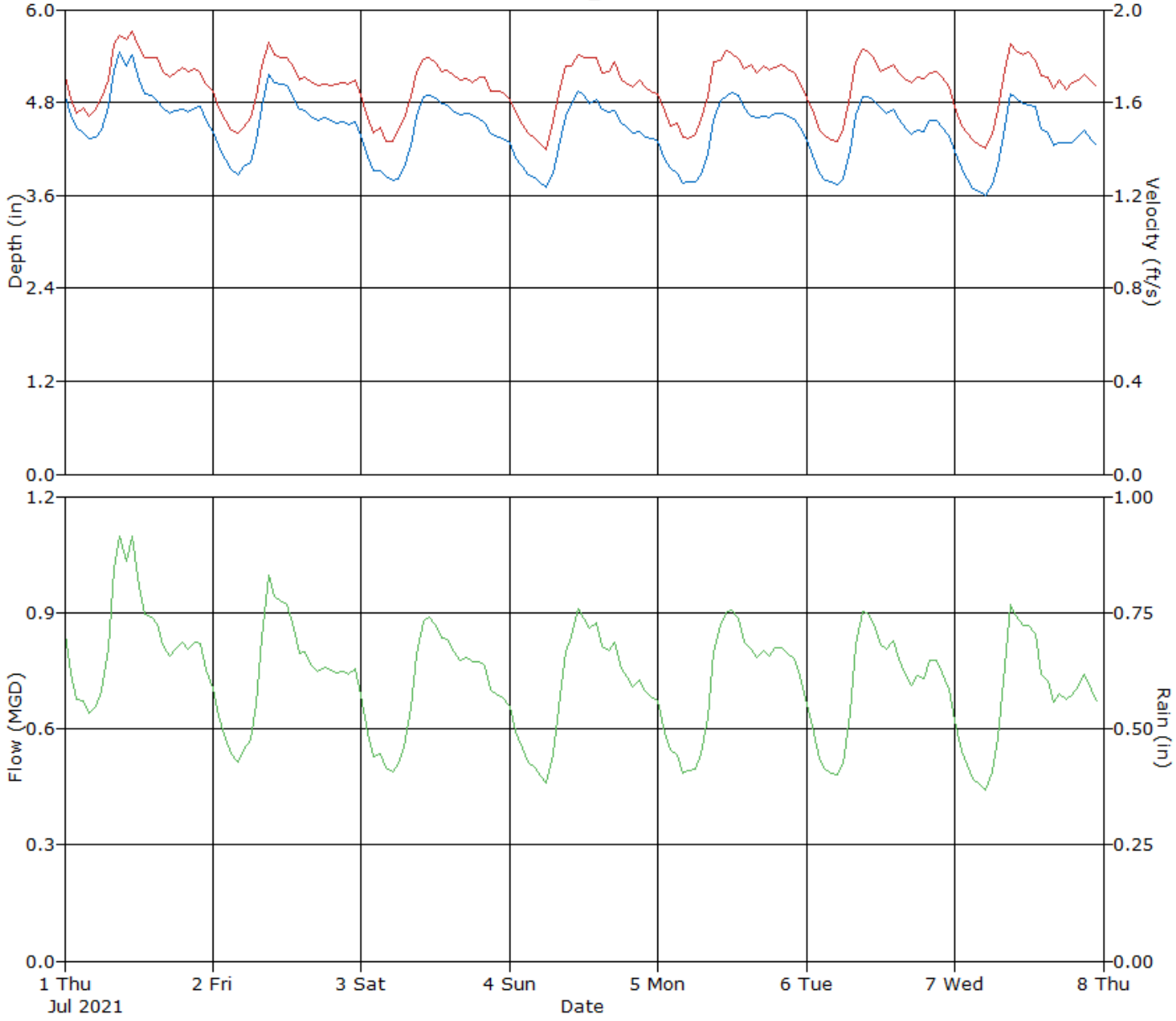


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

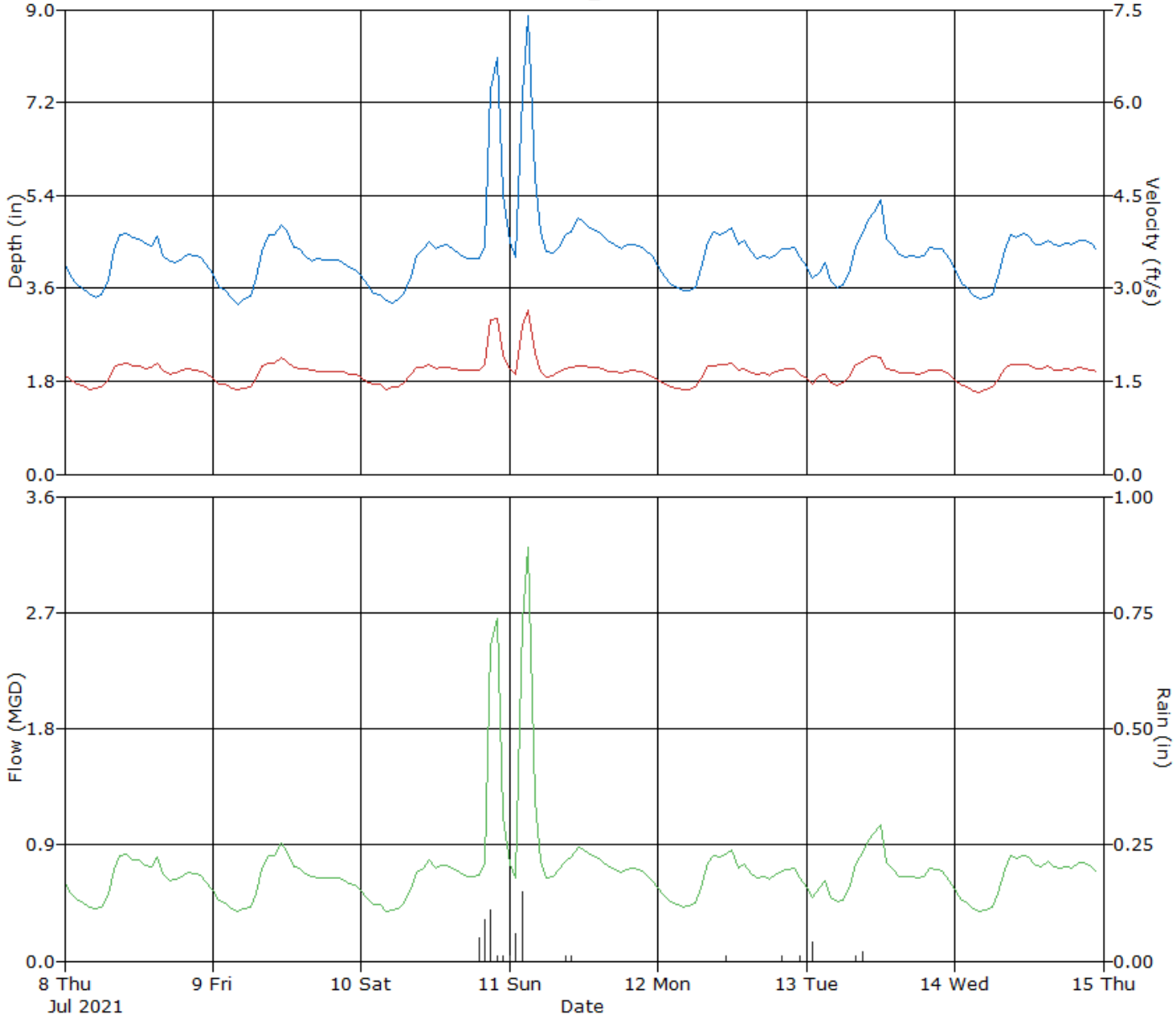
Pipe Height
55.75 in

Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

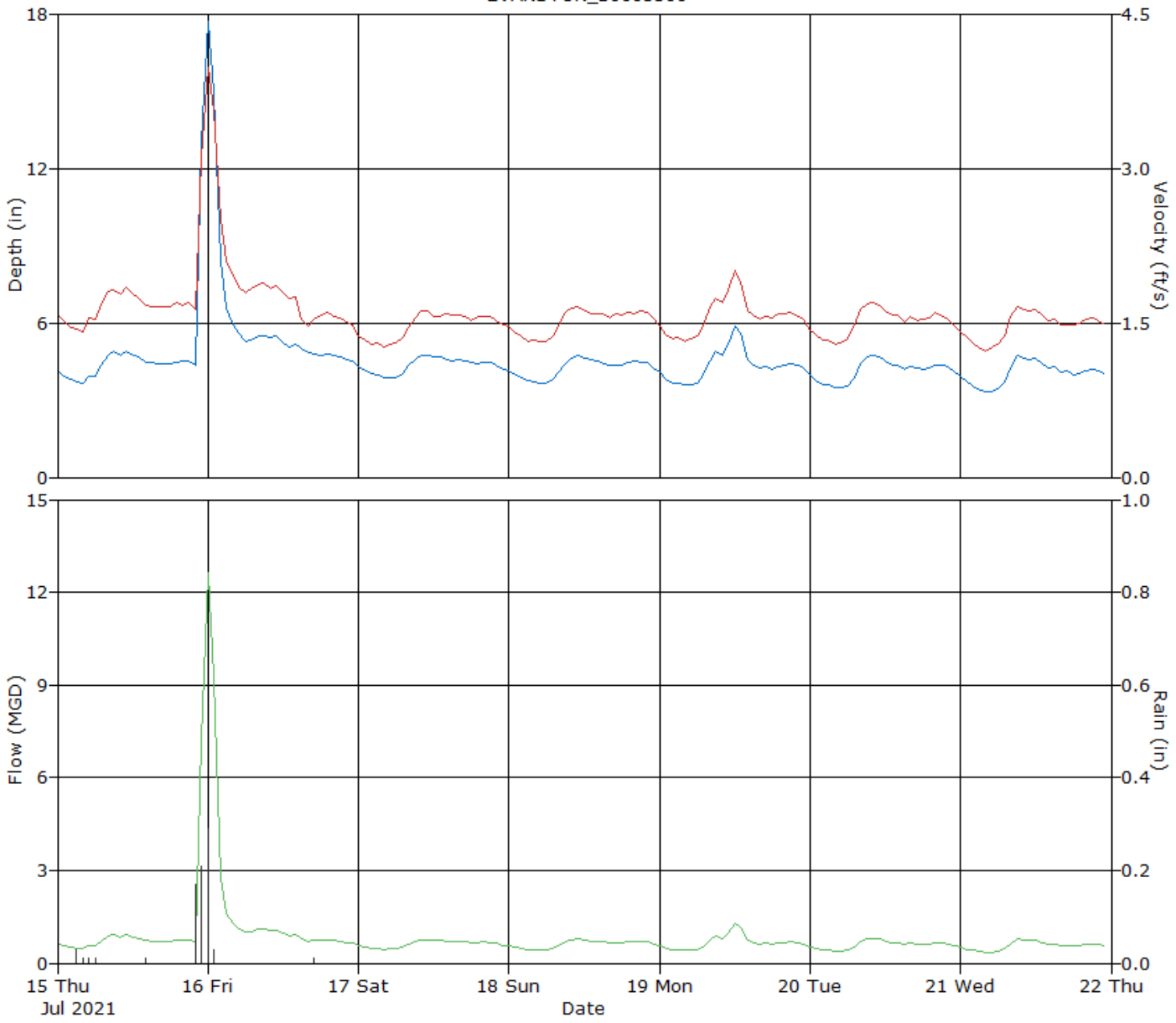
Pipe Height
55.75 in

Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



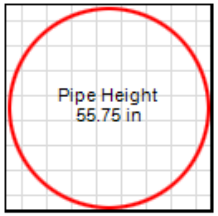
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

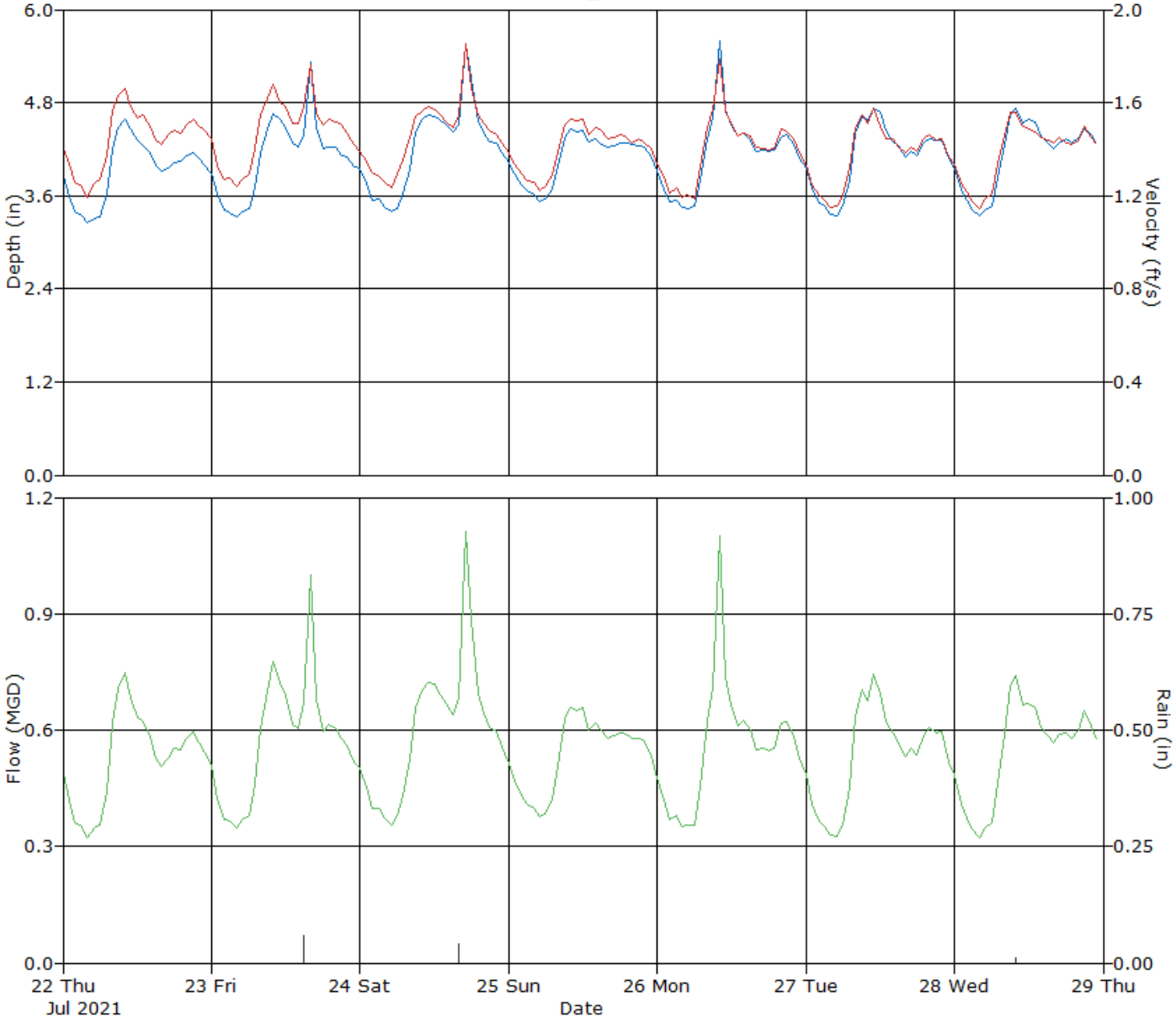


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



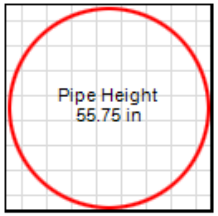
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

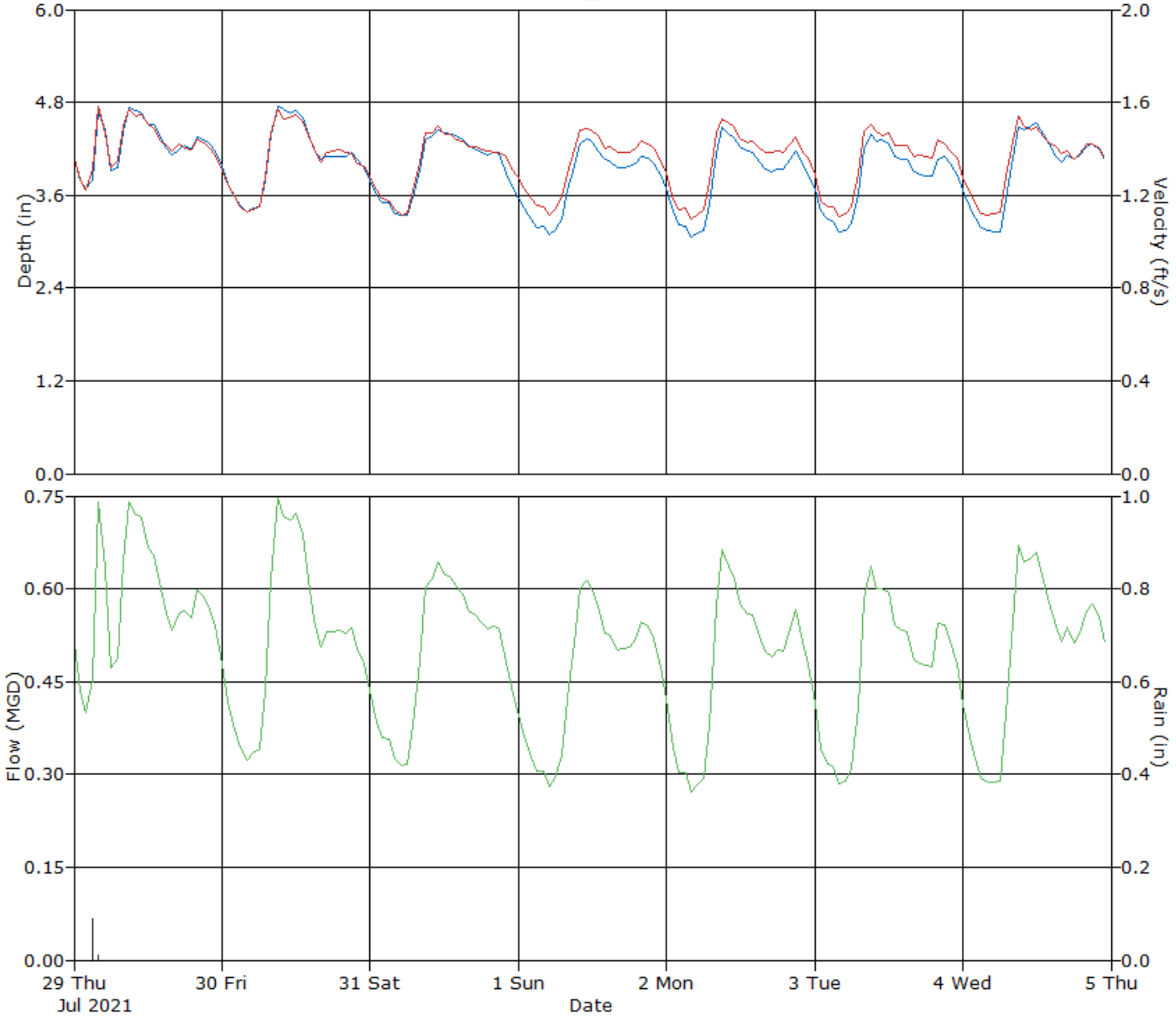


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

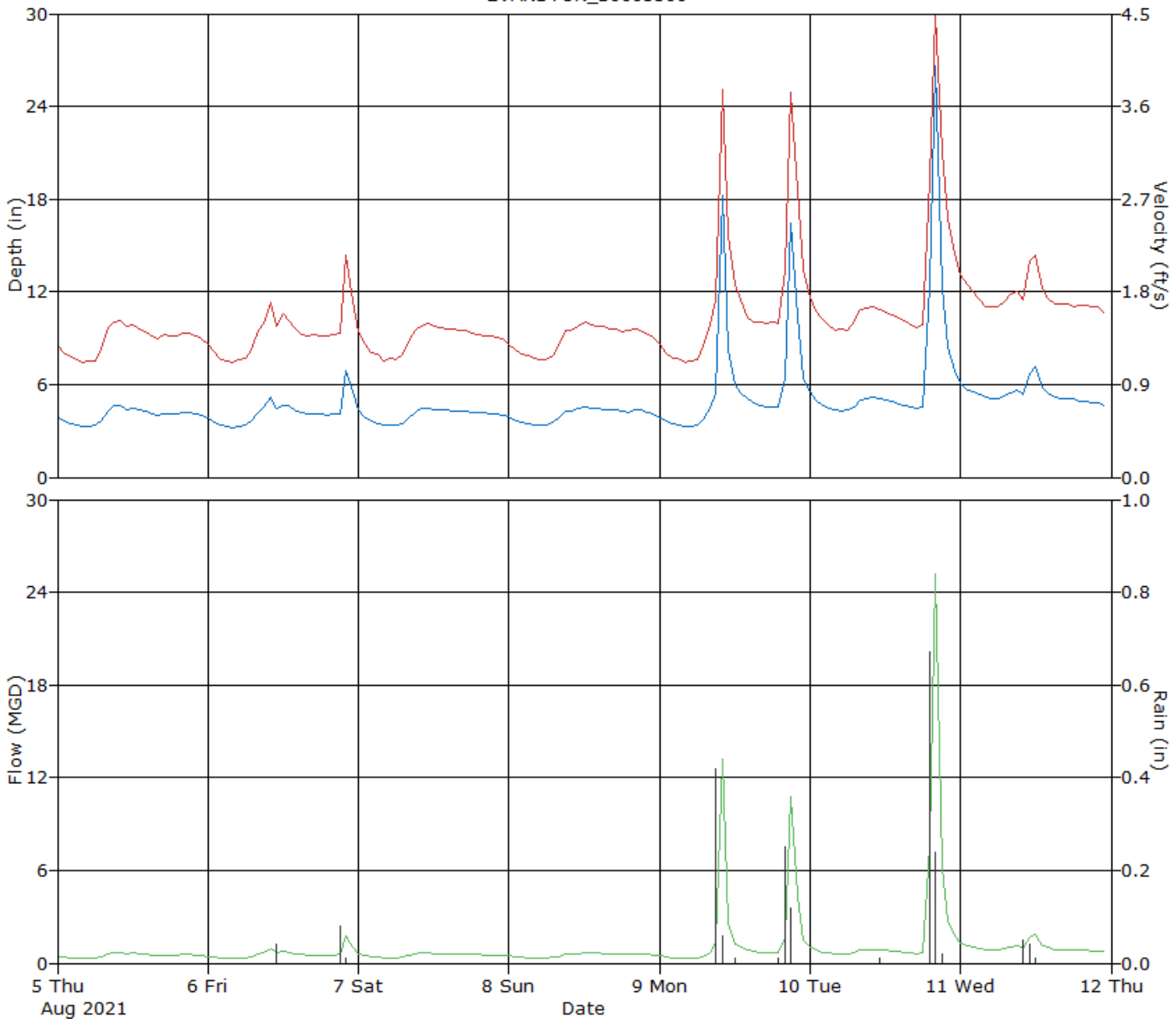
Pipe Height
55.75 in

Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



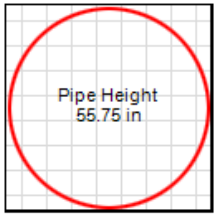
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

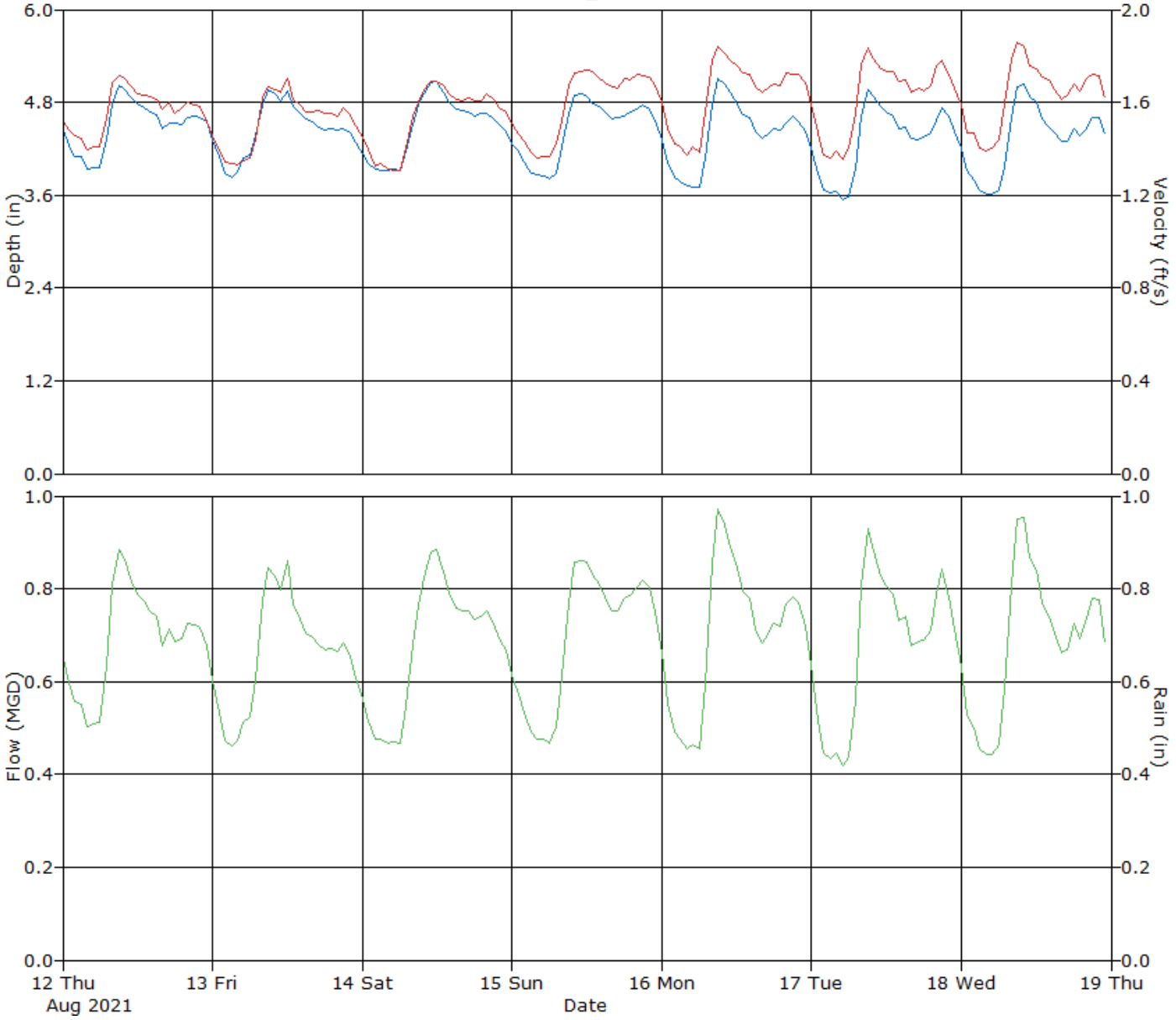


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500

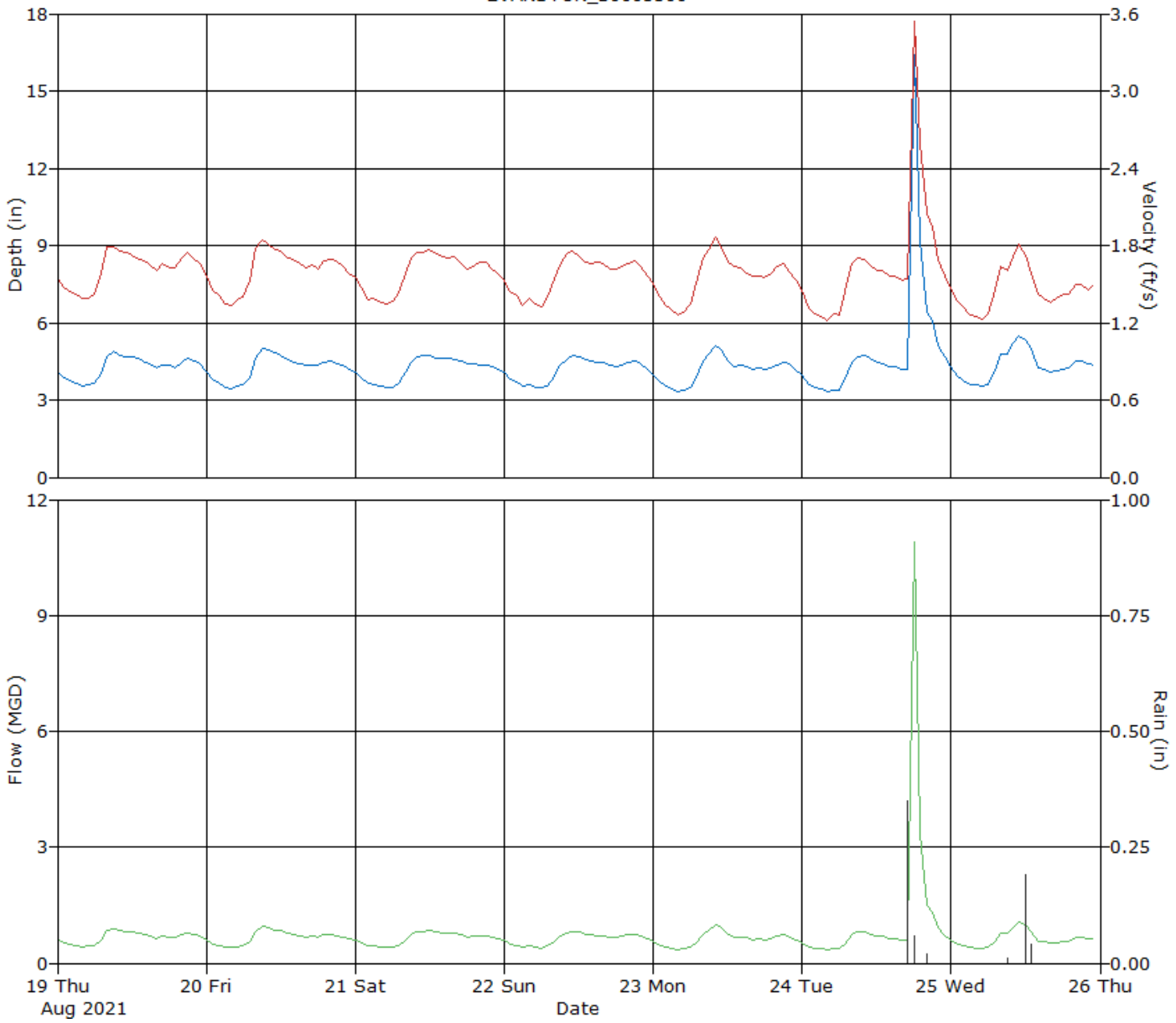
Pipe Height
55.75 in

Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



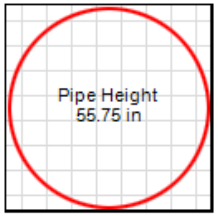
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0603500

Flow Monitor

EVANSTON_B0603500



Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B0603500, Pipe Height: 55.75 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021	23:55	4.51	08:05	6.58	5.01	23:30	1.50	08:05	2.05	1.65	23:55	0.664	08:05	1.568	0.852	76732	
04/15/2021	04:15	3.97	09:35	5.26	4.57	05:40	1.33	10:00	1.77	1.55	05:45	0.490	09:20	0.957	0.702	93795	
04/16/2021	06:10	3.84	09:15	5.20	4.48	04:15	1.31	09:20	1.76	1.54	04:15	0.459	09:20	0.943	0.679	90795	
04/17/2021	06:10	3.85	12:00	4.89	4.44	06:00	1.35	11:20	1.72	1.54	06:00	0.472	11:20	0.846	0.671	89657	
04/18/2021	05:40	3.77	11:50	4.88	4.46	05:45	1.31	11:40	1.73	1.54	05:45	0.442	11:45	0.853	0.677	90536	
04/19/2021	04:30	3.71	09:50	5.05	4.42	04:05	1.31	09:50	1.74	1.52	04:25	0.436	09:50	0.904	0.656	87710	
04/20/2021	06:10	3.67	09:35	4.99	4.35	04:15	1.21	09:35	1.71	1.48	04:15	0.400	09:35	0.872	0.627	83838	
04/21/2021	05:40	3.67	09:30	4.99	4.34	04:55	1.22	09:30	1.66	1.46	04:55	0.402	09:30	0.848	0.618	82573	
04/22/2021	05:15	3.68	09:50	5.00	4.35	05:25	1.22	09:50	1.68	1.46	05:25	0.401	09:50	0.861	0.617	82447	
04/23/2021	04:30	3.55	09:55	4.89	4.27	05:15	1.19	09:40	1.63	1.43	05:15	0.369	09:40	0.803	0.589	78764	
04/24/2021	05:55	3.53	11:35	4.87	4.25	04:30	1.16	11:00	1.62	1.43	04:30	0.355	11:35	0.798	0.585	78167	
04/25/2021	05:45	3.51	12:35	4.80	4.23	05:20	1.16	11:45	1.62	1.43	05:20	0.353	12:30	0.780	0.579	77403	
04/26/2021	05:10	3.51	10:05	4.87	4.24	04:25	1.17	09:35	1.66	1.43	04:45	0.362	09:50	0.811	0.584	78119	
04/27/2021	04:35	3.51	09:30	4.97	4.20	05:55	1.17	08:50	1.66	1.42	04:20	0.358	09:30	0.830	0.570	76242	
04/28/2021	05:40	3.46	11:40	5.23	4.18	05:40	1.14	11:30	1.73	1.41	05:40	0.338	11:35	0.934	0.566	75706	0.03
04/29/2021	05:35	3.37	08:50	7.25	4.39	05:40	1.15	08:35	2.31	1.50	05:40	0.328	08:45	2.014	0.668	89332	0.16
04/30/2021	05:10	3.49	09:25	4.89	4.17	04:25	1.17	09:25	1.63	1.41	04:25	0.355	09:25	0.809	0.559	74777	0.01
05/01/2021	05:30	3.38	11:50	4.71	4.16	05:15	1.16	11:45	1.58	1.39	05:30	0.335	11:45	0.739	0.551	73655	
05/02/2021	06:00	3.32	11:35	4.76	4.16	05:05	1.11	11:10	1.57	1.39	05:30	0.311	11:45	0.746	0.553	73866	
05/03/2021	05:25	3.51	21:20	5.46	4.27	02:45	1.16	21:15	1.84	1.43	05:45	0.355	21:25	1.069	0.594	79344	0.11
05/04/2021	04:30	3.47	09:40	4.71	4.14	04:45	1.16	09:35	1.60	1.38	04:45	0.347	09:35	0.750	0.544	72720	
05/05/2021	05:35	3.32	09:05	4.83	4.11	04:40	1.11	08:55	1.60	1.36	04:40	0.311	09:05	0.780	0.532	71147	
05/06/2021	05:50	3.32	11:35	5.00	4.16	05:50	1.11	11:35	1.70	1.38	05:50	0.310	11:35	0.869	0.553	73889	0.04
05/07/2021	05:45	3.45	09:50	4.89	4.08	04:10	1.12	09:45	1.62	1.34	04:10	0.331	09:50	0.801	0.518	69291	
05/08/2021	05:50	3.30	11:40	4.58	4.05	05:20	1.07	10:50	1.53	1.35	05:20	0.299	11:40	0.689	0.513	68641	
05/09/2021	05:50	3.29	12:35	4.74	4.05	05:10	1.10	11:30	1.61	1.36	05:10	0.307	11:30	0.760	0.523	69929	0.02
05/10/2021	06:00	3.30	09:30	4.71	4.08	04:45	1.09	09:05	1.56	1.36	05:20	0.304	09:30	0.729	0.524	70041	
05/11/2021	06:20	3.30	09:50	4.71	4.03	04:30	1.10	09:15	1.56	1.35	04:40	0.310	09:15	0.722	0.513	68536	
05/12/2021	04:05	3.22	08:45	4.65	3.95	03:25	1.09	10:00	1.56	1.34	03:25	0.294	10:05	0.707	0.493	65949	
05/13/2021	05:50	3.16	08:55	4.62	3.93	05:35	1.09	08:50	1.57	1.34	05:35	0.282	08:55	0.711	0.489	65315	
05/14/2021	04:40	3.15	09:15	4.56	3.89	04:30	1.06	09:20	1.55	1.32	04:30	0.275	09:20	0.691	0.474	63335	
05/15/2021	04:40	3.14	11:10	4.38	3.85	04:35	1.07	09:55	1.53	1.32	04:40	0.275	12:05	0.632	0.468	62624	
05/16/2021	06:05	3.11	11:40	4.41	3.86	06:20	1.07	10:40	1.50	1.32	05:40	0.273	11:45	0.637	0.471	62932	0.01

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	04:50	3.01	09:50	4.51	3.88	04:40	1.04	10:10	1.56	1.34	04:45	0.252	10:10	0.685	0.483	64555	
05/18/2021	04:45	3.07	20:45	4.69	3.95	05:45	1.06	20:40	1.63	1.35	04:45	0.265	20:40	0.757	0.501	67006	0.07
05/19/2021	05:50	3.14	11:30	5.35	3.97	05:45	1.06	11:15	1.83	1.37	05:45	0.273	11:30	1.031	0.513	68540	0.06
05/20/2021	04:45	3.14	09:55	4.50	3.88	04:50	1.08	09:30	1.54	1.34	04:45	0.277	09:50	0.671	0.480	64127	
05/21/2021	04:05	3.10	09:45	4.55	3.88	04:10	1.06	09:25	1.57	1.33	04:00	0.269	09:40	0.696	0.480	64173	
05/22/2021	05:35	3.14	12:00	4.31	3.86	04:50	1.07	10:10	1.53	1.33	04:50	0.279	10:10	0.627	0.474	63334	
05/23/2021	06:10	3.15	21:30	9.06	4.31	05:50	1.10	21:25	2.69	1.43	05:50	0.285	21:25	3.262	0.650	86832	0.19
05/24/2021	04:45	3.89	10:50	5.27	4.62	04:45	1.30	21:55	1.89	1.54	04:45	0.459	10:50	0.916	0.710	94901	0.01
05/25/2021	23:55	4.03	10:00	5.33	4.37	23:55	1.29	08:10	1.69	1.42	23:55	0.480	10:05	0.937	0.600	80148	
05/26/2021	00:55	3.86	02:30	13.04	5.62	00:55	1.23	02:25	3.02	1.67	00:55	0.430	02:25	6.182	1.166	155828	0.45
05/27/2021	04:25	3.65	08:55	5.16	4.38	04:35	1.13	09:35	1.59	1.37	04:35	0.364	08:50	0.842	0.585	78164	0.03
05/28/2021	04:30	3.59	06:20	6.87	4.75	04:15	1.12	06:20	2.09	1.47	04:15	0.352	06:20	1.707	0.727	97221	0.15
05/29/2021	05:45	3.65	11:10	4.89	4.28	05:20	1.13	11:40	1.54	1.35	05:20	0.366	11:00	0.746	0.556	74316	
05/30/2021	05:40	3.53	11:45	4.88	4.26	05:40	1.10	11:00	1.55	1.34	05:40	0.336	11:00	0.761	0.549	73335	
05/31/2021	04:50	3.67	12:15	4.98	4.36	05:40	1.15	12:40	1.62	1.38	05:40	0.381	12:40	0.814	0.586	78308	
06/01/2021	04:40	3.55	12:35	5.17	4.35	04:45	1.10	12:20	1.62	1.36	04:45	0.342	12:35	0.859	0.578	77293	
06/02/2021	04:25	3.40	09:40	4.91	4.18	04:30	1.08	09:40	1.55	1.33	04:25	0.314	09:40	0.773	0.529	70701	
06/03/2021	05:30	3.41	08:55	4.80	4.12	02:45	1.11	10:05	1.57	1.33	05:30	0.325	09:30	0.743	0.520	69524	
06/04/2021	04:45	3.33	09:05	4.71	4.08	04:40	1.08	10:50	1.52	1.32	04:45	0.304	09:00	0.698	0.508	67945	
06/05/2021	04:55	3.33	10:55	4.57	4.05	04:35	1.05	11:40	1.50	1.31	04:35	0.299	11:40	0.666	0.498	66543	
06/06/2021	05:30	3.36	13:35	4.50	4.11	05:00	1.07	21:50	1.50	1.33	05:25	0.308	21:50	0.651	0.520	69513	
06/07/2021	04:20	3.37	09:20	4.84	4.17	04:15	1.08	10:20	1.53	1.35	04:20	0.309	09:25	0.743	0.536	71688	
06/08/2021	04:50	3.46	09:25	4.96	4.20	05:05	1.09	09:15	1.58	1.35	05:05	0.325	09:15	0.799	0.544	72789	
06/09/2021	04:15	3.50	09:45	4.92	4.19	04:15	1.13	09:40	1.53	1.35	04:15	0.340	09:40	0.762	0.540	72181	
06/10/2021	05:55	3.48	09:15	4.84	4.17	05:50	1.12	10:15	1.54	1.35	05:50	0.336	10:05	0.739	0.535	71581	
06/11/2021	06:15	3.42	10:05	4.79	4.12	06:05	1.11	09:50	1.54	1.32	06:10	0.324	09:50	0.731	0.517	69144	
06/12/2021	04:50	3.31	15:15	31.29	5.10	04:20	1.06	15:15	4.12	1.49	04:50	0.299	15:15	27.482	1.196	159858	0.26
06/13/2021	06:00	3.65	12:30	4.62	4.21	04:45	1.18	12:30	1.50	1.37	06:10	0.387	12:30	0.682	0.548	73291	
06/14/2021	04:45	3.45	09:35	4.83	4.15	05:05	1.09	08:40	1.54	1.34	05:05	0.324	09:35	0.742	0.528	70628	
06/15/2021	04:25	3.45	09:50	4.92	4.18	04:25	1.10	09:45	1.60	1.35	04:25	0.325	09:45	0.797	0.539	72094	
06/16/2021	04:15	3.37	09:50	4.81	4.09	04:10	1.09	09:55	1.53	1.32	04:15	0.314	09:55	0.739	0.509	67983	
06/17/2021	05:45	3.32	09:50	4.65	4.07	04:20	1.06	09:45	1.50	1.31	04:25	0.299	09:45	0.688	0.502	67092	
06/18/2021	04:25	3.41	05:15	22.36	5.19	02:35	1.07	05:15	3.94	1.54	04:30	0.321	05:15	17.044	1.085	145026	0.38
06/19/2021	04:50	3.51	12:00	4.70	4.19	06:45	1.09	11:40	1.49	1.34	06:45	0.348	12:00	0.695	0.537	71746	
06/20/2021	05:30	3.49	23:35	54.25	5.77	05:10	1.11	23:30	4.79	1.52	05:10	0.340	23:35	53.992	2.019	269868	1.65
06/21/2021	23:55	4.93	00:00	42.41	7.15	13:05	1.49	00:00	4.63	1.83	23:55	0.772	00:00	43.677	2.108	281824	0.03
06/22/2021	05:40	4.33	09:05	5.44	4.75	23:50	1.37	08:55	1.67	1.49	05:45	0.573	09:05	0.963	0.711	95057	
06/23/2021	05:40	3.80	09:20	5.13	4.48	05:45	1.19	10:40	1.57	1.39	05:40	0.406	09:20	0.829	0.614	82060	
06/24/2021	05:25	3.62	14:55	9.20	4.89	04:55	0.92	14:55	2.58	1.50	04:55	0.300	14:55	3.211	0.823	110073	0.22
06/25/2021	03:40	4.01	05:20	26.71	8.43	03:40	1.29	05:15	4.25	2.28	03:40	0.478	05:25	22.327	3.185	425813	1.04
06/26/2021	01:25	5.53	12:00	30.28	9.11	01:25	1.76	12:05	4.52	2.49	01:25	1.048	12:00	27.957	3.689	493094	0.87
06/27/2021	23:55	5.65	00:00	7.08	6.37	23:05	1.89	09:50	2.19	2.06	23:55	1.157	00:00	1.861	1.511	201995	
06/28/2021	05:30	5.10	09:10	6.57	5.68	05:05	1.73	09:20	2.15	1.90	05:05	0.915	09:20	1.631	1.179	157572	0.06
06/29/2021	05:35	4.78	10:55	13.64	5.99	03:50	1.58	10:50	3.63	1.97	05:15	0.763	10:55	7.922	1.454	194324	0.25
06/30/2021	05:30	4.57	10:15	5.67	5.10	01:50	1.59	08:40	2.02	1.80	05:30	0.720	08:40	1.225	0.954	127549	0.02
07/01/2021	05:00	4.31	11:20	5.50	4.79	02:10	1.47	11:20	1.94	1.73	04:30	0.630	11:20	1.146	0.834	111544	
07/02/2021	04:20	3.85	09:50	5.26	4.52	03:45	1.42	09:25	1.90	1.66	04:25	0.497	09:40	1.028	0.743	99280	
07/03/2021	05:40	3.78	11:15	4.90	4.40	04:30	1.37	11:00	1.82	1.64	04:30	0.474	11:35	0.902	0.703	93916	
07/04/2021	06:20	3.68	11:50	5.03	4.38	06:20	1.33	13:50	1.90	1.65	06:20	0.435	11:50	0.941	0.702	93854	
07/05/2021	04:45	3.72	12:00	4.94	4.41	05:20	1.42	11:45	1.85	1.67	04:45	0.474	11:55	0.930	0.719	96141	
07/06/2021	05:15	3.73	10:20	4.91	4.38	05:45	1.38	09:15	1.85	1.66	05:45	0.462	10:25	0.917	0.710	94870	
07/07/2021	05:45	3.58	09:30	4.96	4.27	04:50	1.36	09:35	1.86	1.65	04:50	0.430	09:35	0.941	0.678	90599	
07/08/2021	05:20	3.41	10:15	4.70	4.12	04:35	1.33	15:30	1.83	1.62	04:35	0.395	15:20	0.851	0.634	84767	
07/09/2021	04:25	3.25	11:30	4.86	4.05	06:05	1.35	11:30	1.90	1.62	04:25	0.368	11:30	0.936	0.620	82820	
07/10/2021	05:00	3.28	21:55	9.78	4.36	04:30	1.33	21:50	2.95	1.69	04:55	0.369	21:50	3.995	0.783	104697	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	02:05	4.08	02:50	11.25	4.87	06:15	1.53	02:50	3.18	1.75	02:05	0.588	02:50	5.295	0.940	125696	0.24
07/12/2021	05:40	3.53	12:20	4.92	4.19	04:05	1.35	12:25	1.84	1.60	04:10	0.415	12:25	0.917	0.642	85816	0.03
07/13/2021	06:15	3.60	12:20	6.09	4.27	01:45	1.41	12:10	2.10	1.65	05:50	0.450	12:15	1.427	0.680	90860	0.07
07/14/2021	04:55	3.36	12:15	4.68	4.20	04:50	1.30	12:20	1.80	1.61	04:50	0.372	12:20	0.836	0.651	87018	
07/15/2021	04:30	3.64	23:25	16.52	4.71	04:35	1.37	23:30	3.59	1.71	04:35	0.440	23:30	10.213	0.966	129172	0.45
07/16/2021	23:10	4.50	00:45	19.47	6.24	15:40	1.40	00:50	4.23	1.92	23:40	0.638	00:45	15.165	1.850	247363	0.33
07/17/2021	04:35	3.84	11:30	4.79	4.34	04:25	1.24	11:30	1.65	1.47	04:25	0.433	11:30	0.794	0.619	82738	
07/18/2021	05:35	3.64	11:20	4.77	4.24	03:20	1.29	11:05	1.68	1.51	05:25	0.418	11:15	0.801	0.614	82124	
07/19/2021	04:30	3.56	12:25	5.89	4.34	04:10	1.30	12:10	2.03	1.57	04:35	0.405	12:10	1.318	0.670	89535	
07/20/2021	04:30	3.47	10:40	4.84	4.14	04:20	1.27	10:20	1.75	1.51	04:30	0.381	10:35	0.842	0.592	79123	
07/21/2021	05:00	3.29	09:30	4.78	4.03	07:20	1.21	09:15	1.69	1.47	04:30	0.340	09:20	0.808	0.557	74449	
07/22/2021	04:50	3.22	10:30	4.66	3.93	04:45	1.17	10:00	1.69	1.44	04:50	0.313	10:25	0.773	0.527	70410	
07/23/2021	04:30	3.30	16:10	5.63	4.08	04:30	1.21	16:05	1.93	1.48	04:30	0.336	16:10	1.175	0.574	76678	0.06
07/24/2021	05:10	3.39	17:40	5.92	4.22	05:50	1.23	17:30	1.93	1.47	05:50	0.354	17:40	1.261	0.600	80210	0.04
07/25/2021	05:05	3.52	12:20	4.47	4.09	03:05	1.22	11:45	1.55	1.40	05:05	0.372	12:10	0.674	0.539	72049	
07/26/2021	04:45	3.42	10:20	6.55	4.14	06:10	1.15	10:20	2.06	1.40	06:10	0.337	10:20	1.567	0.558	74585	
07/27/2021	06:00	3.33	11:40	4.82	4.09	04:35	1.13	11:35	1.61	1.38	04:35	0.321	11:40	0.780	0.534	71445	
07/28/2021	04:35	3.31	10:10	4.88	4.13	04:25	1.13	10:10	1.63	1.39	04:25	0.316	10:10	0.804	0.546	72956	0.01
07/29/2021	03:15	3.57	04:40	4.84	4.26	02:50	1.19	04:35	1.62	1.42	03:00	0.374	04:40	0.790	0.581	77603	0.10
07/30/2021	04:45	3.36	09:45	4.77	4.07	04:20	1.11	11:05	1.59	1.36	04:20	0.318	09:10	0.754	0.523	69964	
07/31/2021	06:05	3.32	11:05	4.46	3.97	05:15	1.11	11:05	1.51	1.34	06:00	0.311	11:05	0.652	0.494	66016	
08/01/2021	05:20	3.07	11:45	4.37	3.79	06:00	1.10	10:25	1.50	1.33	05:20	0.275	11:45	0.624	0.461	61683	
08/02/2021	04:30	3.01	09:25	4.53	3.83	04:30	1.07	09:05	1.56	1.34	04:30	0.260	09:10	0.685	0.474	63382	
08/03/2021	04:35	3.08	09:15	4.43	3.83	04:30	1.09	09:20	1.53	1.34	04:30	0.274	09:20	0.653	0.471	62898	
08/04/2021	05:40	3.09	12:05	4.58	3.93	04:00	1.09	09:10	1.57	1.34	05:40	0.280	09:20	0.684	0.494	65982	
08/05/2021	04:45	3.22	09:25	4.65	3.99	04:30	1.10	10:10	1.55	1.34	04:40	0.294	10:10	0.709	0.500	66852	
08/06/2021	04:30	3.19	22:35	7.56	4.20	04:30	1.10	22:20	2.32	1.40	04:30	0.289	22:30	2.142	0.590	78925	0.13
08/07/2021	04:50	3.29	00:00	4.68	4.02	04:45	1.11	11:50	1.50	1.35	04:45	0.306	00:00	0.692	0.508	67949	
08/08/2021	06:15	3.30	12:30	4.52	4.04	05:40	1.13	12:30	1.53	1.35	06:15	0.314	12:30	0.677	0.513	68577	
08/09/2021	06:00	3.28	10:05	25.77	6.00	04:45	1.10	10:05	4.58	1.75	04:45	0.305	10:05	23.910	1.892	252956	0.87
08/10/2021	05:10	4.27	20:15	35.07	6.54	04:55	1.41	20:10	5.08	1.86	04:55	0.573	20:15	38.820	2.399	320722	0.94
08/11/2021	23:55	4.57	12:00	7.94	5.37	23:50	1.57	12:05	2.35	1.76	23:50	0.703	12:00	2.369	1.019	136160	0.10
08/12/2021	06:10	3.87	09:15	5.07	4.50	04:30	1.38	09:00	1.74	1.56	06:10	0.487	09:05	0.907	0.689	92172	
08/13/2021	04:10	3.75	12:05	5.01	4.44	04:05	1.31	12:40	1.73	1.52	04:05	0.440	12:05	0.888	0.659	88116	
08/14/2021	03:45	3.84	12:00	5.10	4.48	06:10	1.27	11:50	1.70	1.53	06:10	0.444	12:35	0.896	0.676	90322	
08/15/2021	06:25	3.78	12:00	4.94	4.45	04:15	1.31	13:45	1.77	1.60	06:30	0.450	11:45	0.884	0.698	93334	
08/16/2021	06:15	3.69	10:00	5.12	4.38	02:55	1.35	09:00	1.87	1.63	06:40	0.447	10:00	0.986	0.700	93616	
08/17/2021	06:00	3.51	09:15	5.01	4.30	03:40	1.29	09:15	1.89	1.63	06:05	0.412	09:15	0.970	0.679	90758	
08/18/2021	04:55	3.56	10:20	5.19	4.32	04:55	1.37	10:15	1.91	1.63	04:55	0.424	10:20	1.033	0.684	91379	
08/19/2021	04:55	3.53	09:00	4.98	4.27	05:35	1.36	08:55	1.84	1.62	05:00	0.421	09:00	0.934	0.666	88985	
08/20/2021	04:40	3.45	09:35	5.03	4.25	04:10	1.32	09:30	1.89	1.61	04:10	0.392	09:30	0.974	0.661	88329	
08/21/2021	06:25	3.46	12:25	4.75	4.20	05:20	1.31	12:05	1.80	1.59	05:20	0.393	12:25	0.849	0.640	85603	
08/22/2021	06:30	3.45	11:05	4.73	4.17	02:55	1.21	10:50	1.79	1.57	06:20	0.379	10:55	0.834	0.624	83458	
08/23/2021	04:35	3.30	10:50	5.44	4.16	05:25	1.14	10:45	1.95	1.55	05:25	0.326	10:45	1.128	0.620	82821	
08/24/2021	04:30	3.29	18:15	23.28	5.02	02:55	1.16	18:15	4.56	1.67	04:30	0.330	18:15	20.826	1.205	161122	0.43
08/25/2021	05:45	3.50	11:40	5.89	4.33	05:45	1.22	11:40	1.91	1.46	05:45	0.369	11:40	1.243	0.621	83069	0.24
08/26/2021	05:55	3.55	10:00	6.22	4.30	04:20	1.25	09:55	2.05	1.47	04:20	0.388	09:55	1.435	0.614	82090	0.02
08/27/2021	03:35	3.30	09:05	4.83	4.07	05:50	1.16	08:40	1.65	1.41	03:45	0.324	09:05	0.796	0.541	72262	
08/28/2021	04:40	3.35	17:20	15.63	4.68	04:50	1.16	17:20	3.58	1.53	04:50	0.329	17:20	9.504	0.894	119453	
08/29/2021	05:10	3.50	11:20	4.75	4.15	04:55	1.21	11:35	1.57	1.40	05:10	0.366	11:20	0.747	0.553	73902	
08/30/2021	04:25	3.26	08:30	4.80	4.00	04:25	1.13	08:40	1.61	1.35	04:25	0.307	08:40	0.772	0.506	67700	
08/31/2021	04:50	3.09	09:25	4.72	3.93	04:45	1.08	09:30	1.60	1.33	04:50	0.272	09:25	0.748	0.488	65255	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			13572570	11.39
Avg	4.44	1.49	0.727	

Evanston, IL

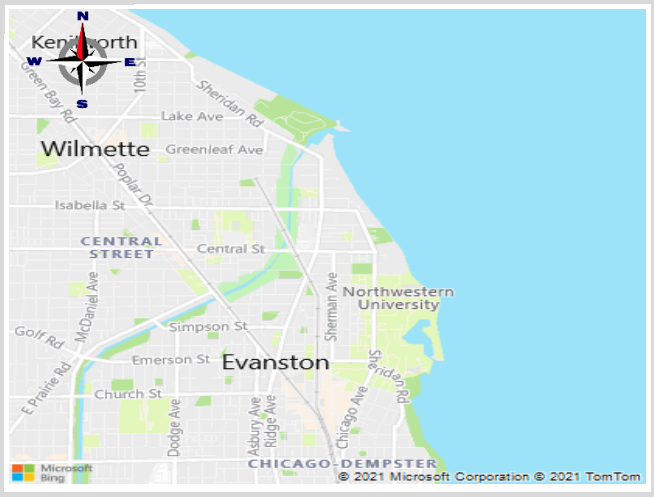
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

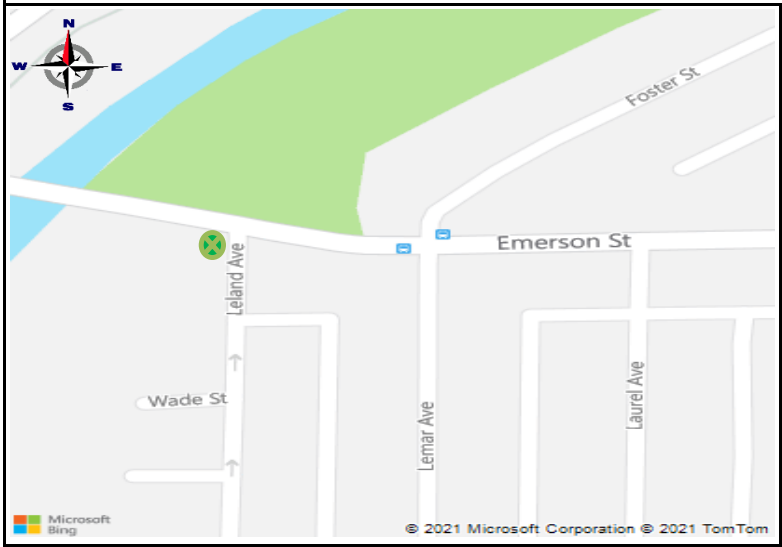
B0702000

Site Address /Location:	Intersection of Leland Ave. and Emerson Ave.			Monitor Series	Location Type
				TRITON+	Temporary
Site Access Details:	Southwest corner of Intersection; off Leland Ave.	Latitude:	42.05192	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.70713	53.5 x 53.5	Circular



Manhole #	System Characteristics
B07_02000	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, July 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
12:57:00 PM	53.5 x 53.5
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
6.00	46.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.06	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Manhole / Pipe Information:

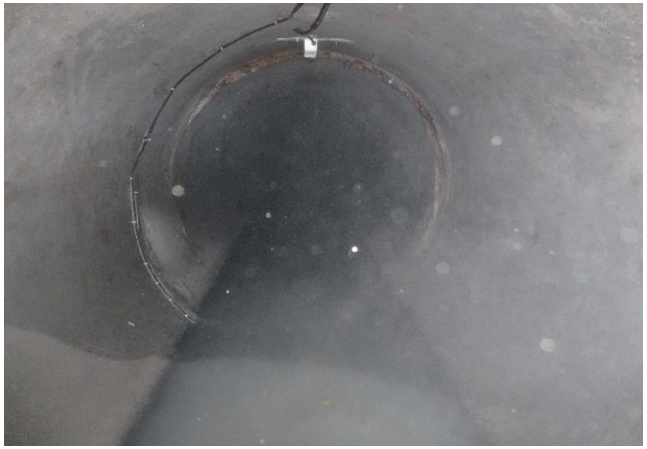
Manhole Depth (Approx. FT):	Manhole Configuration
16.5	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

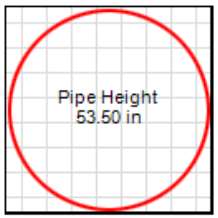
Upstream E	Downstream	Upstream S
		
Location		

SCATTERGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

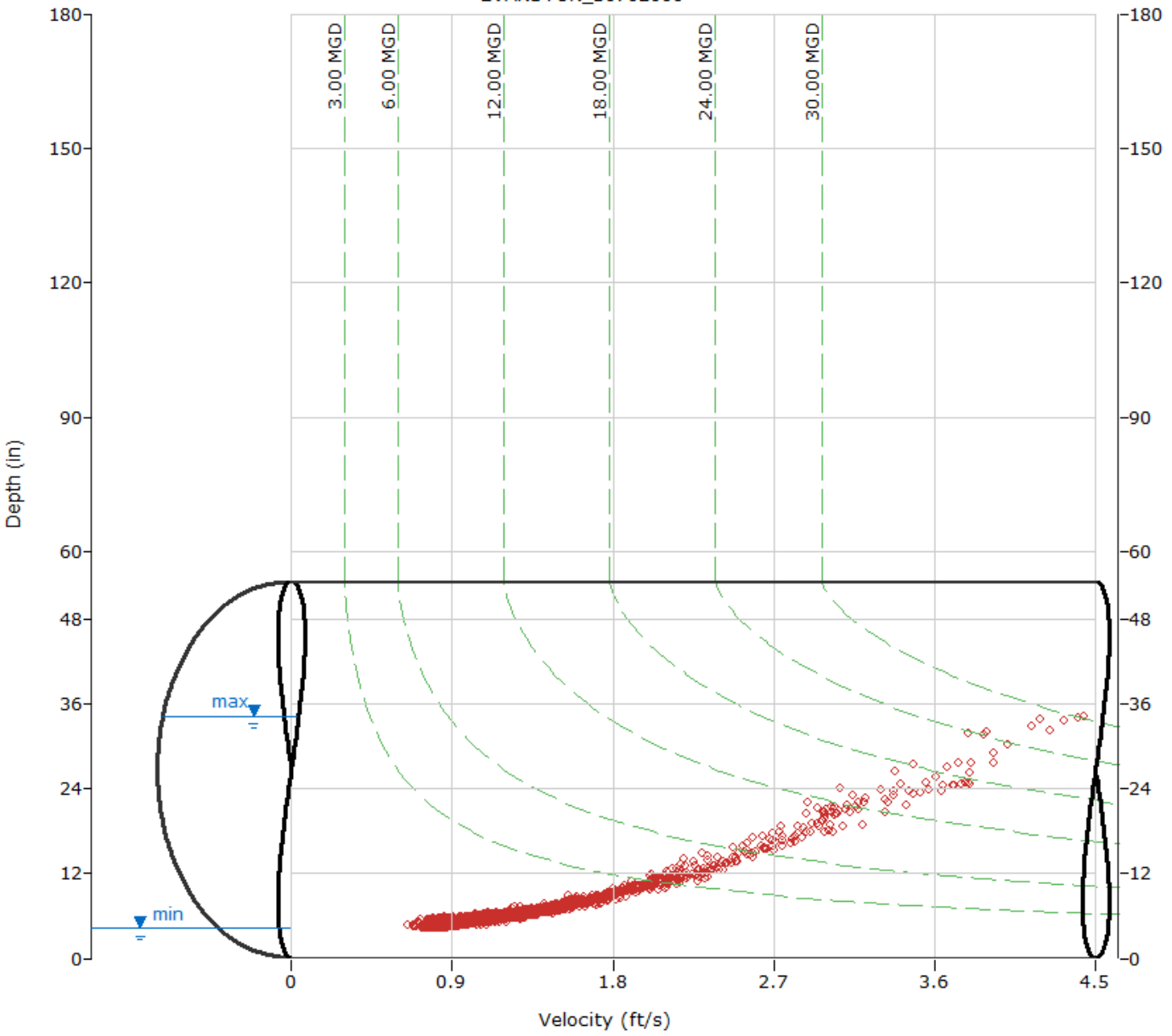


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



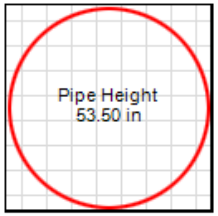
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

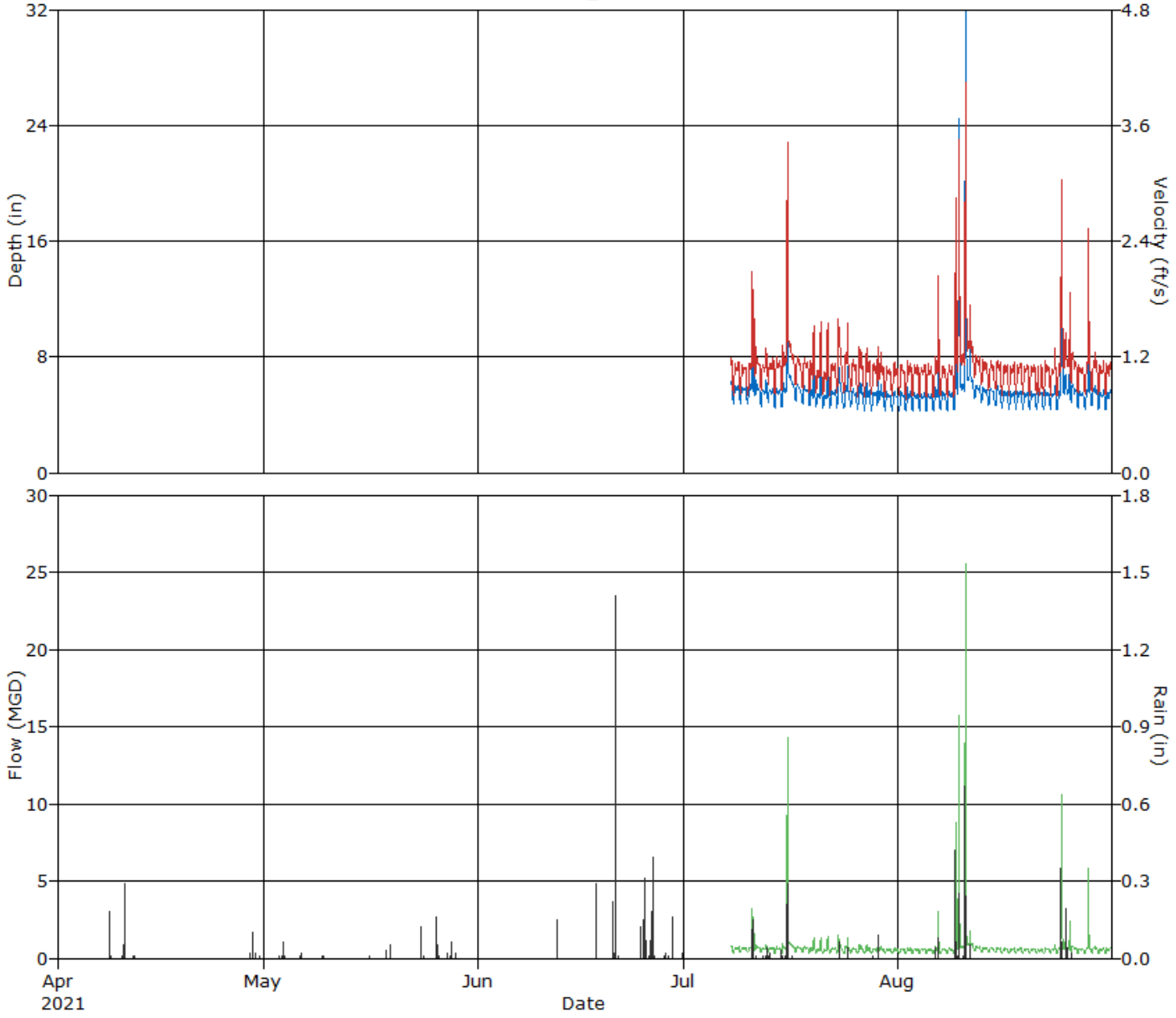


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



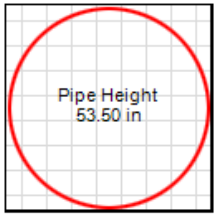
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

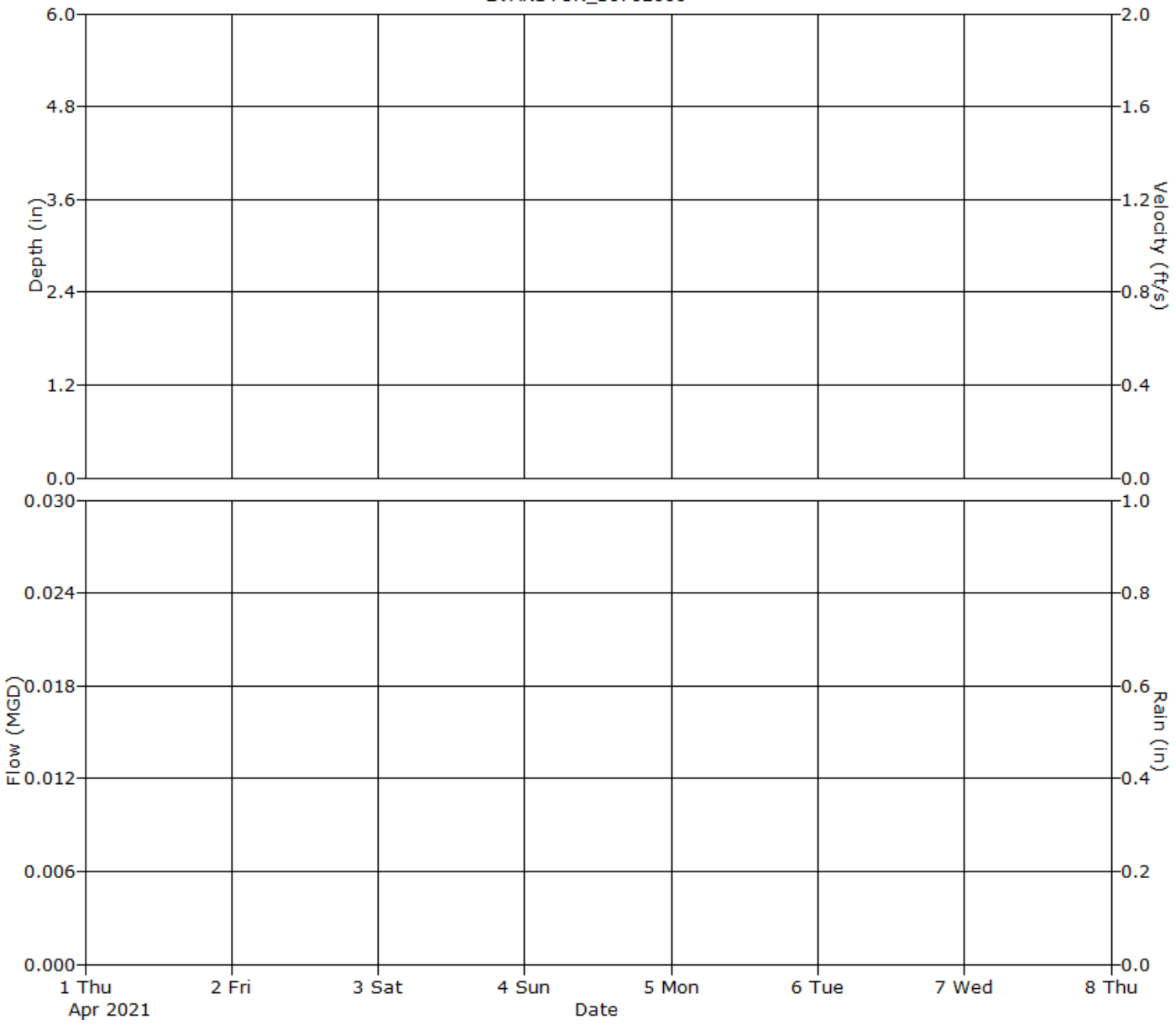


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



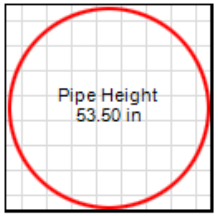
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

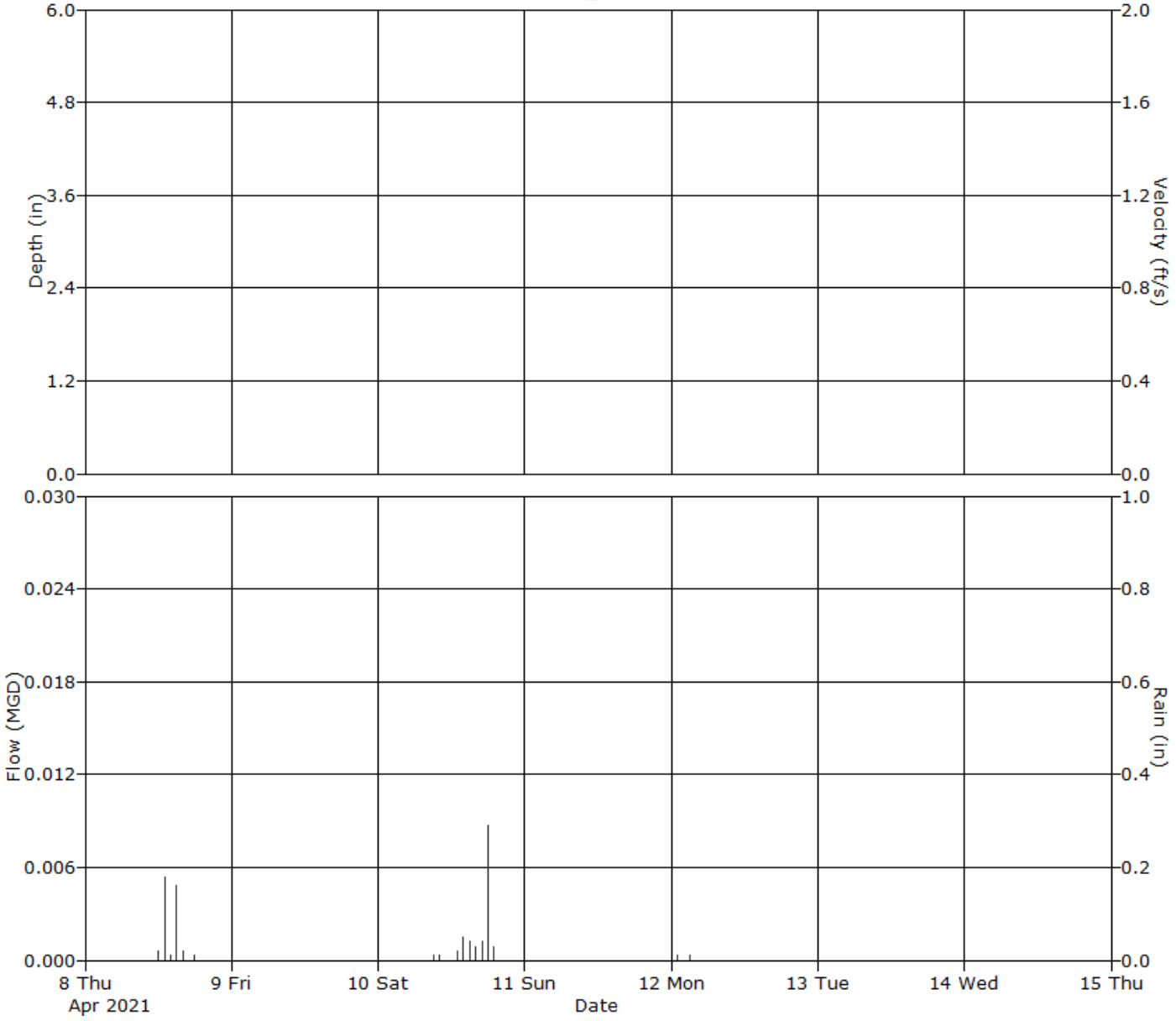


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



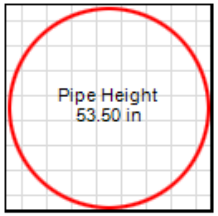
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

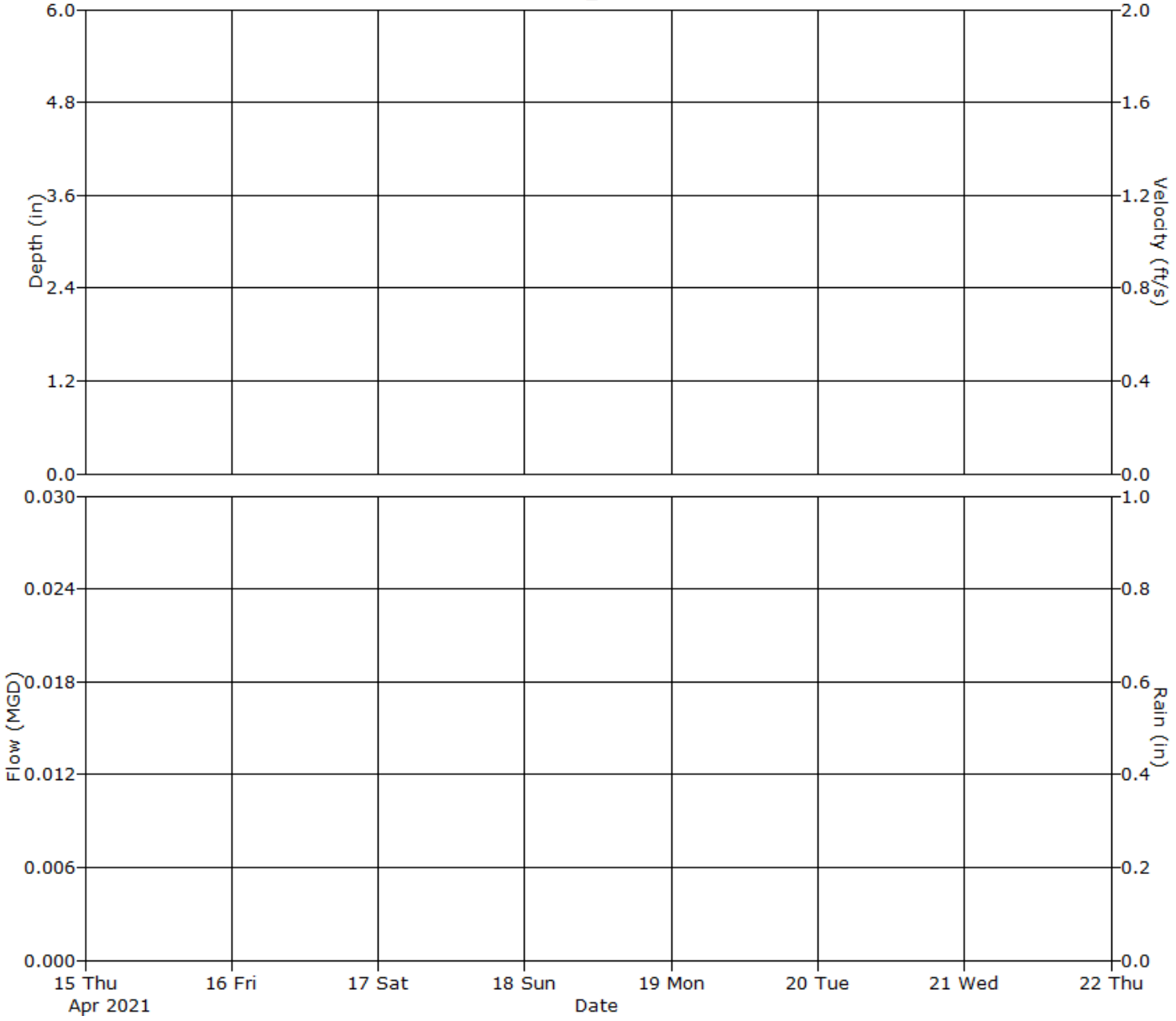


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



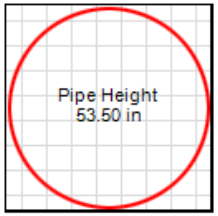
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

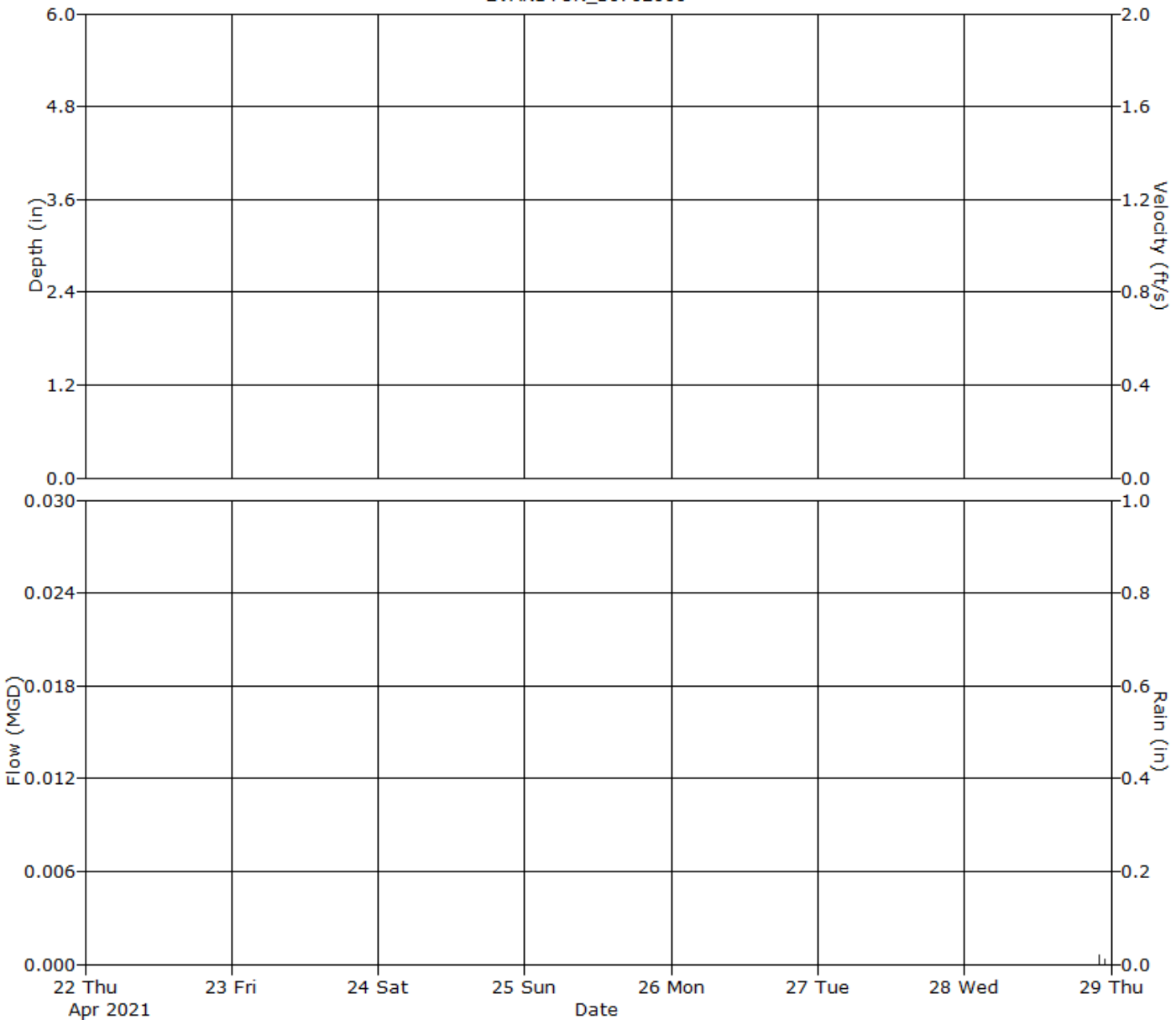


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



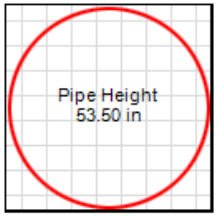
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

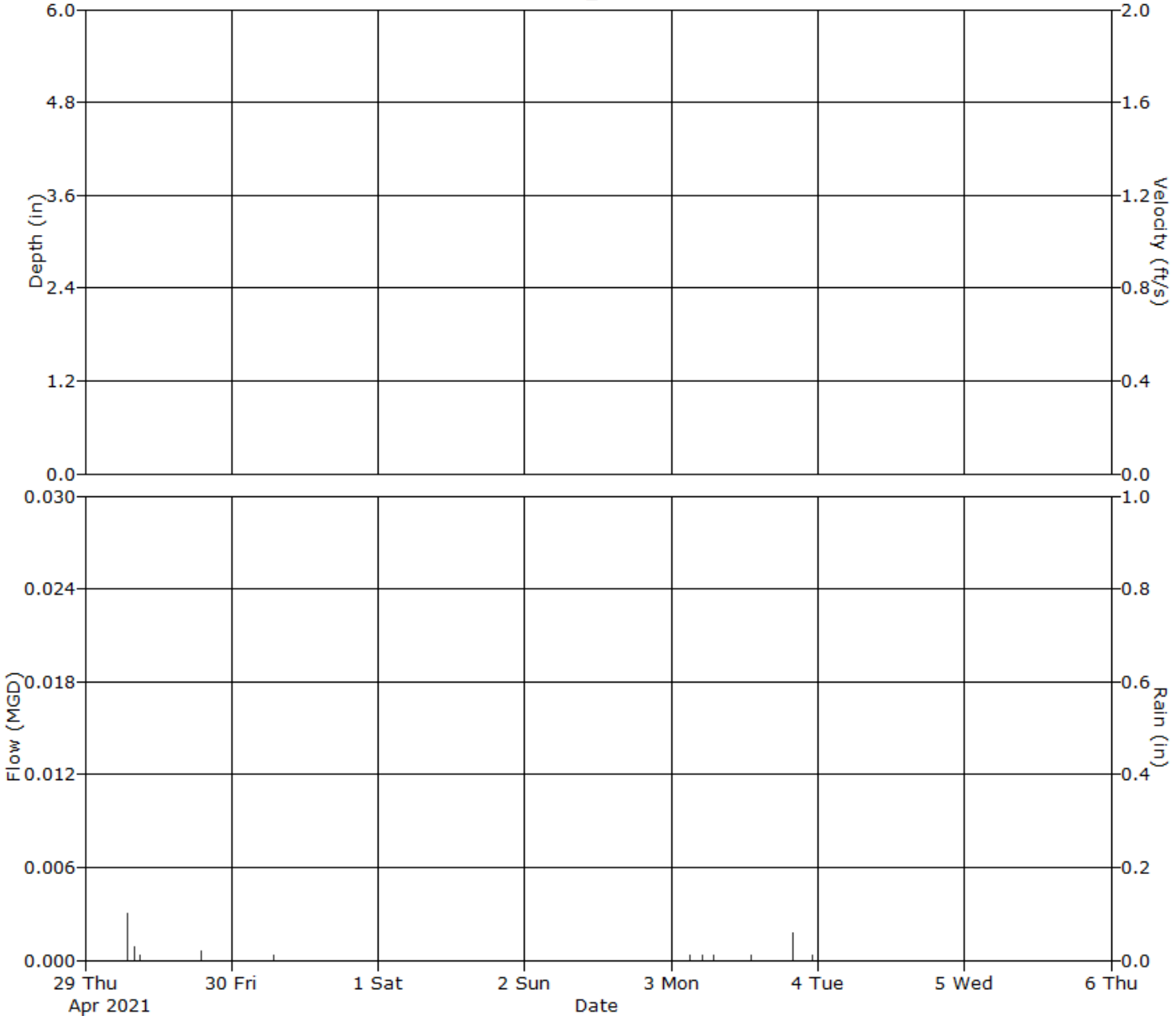


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



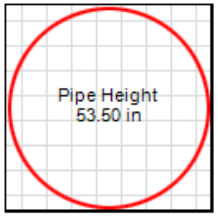
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

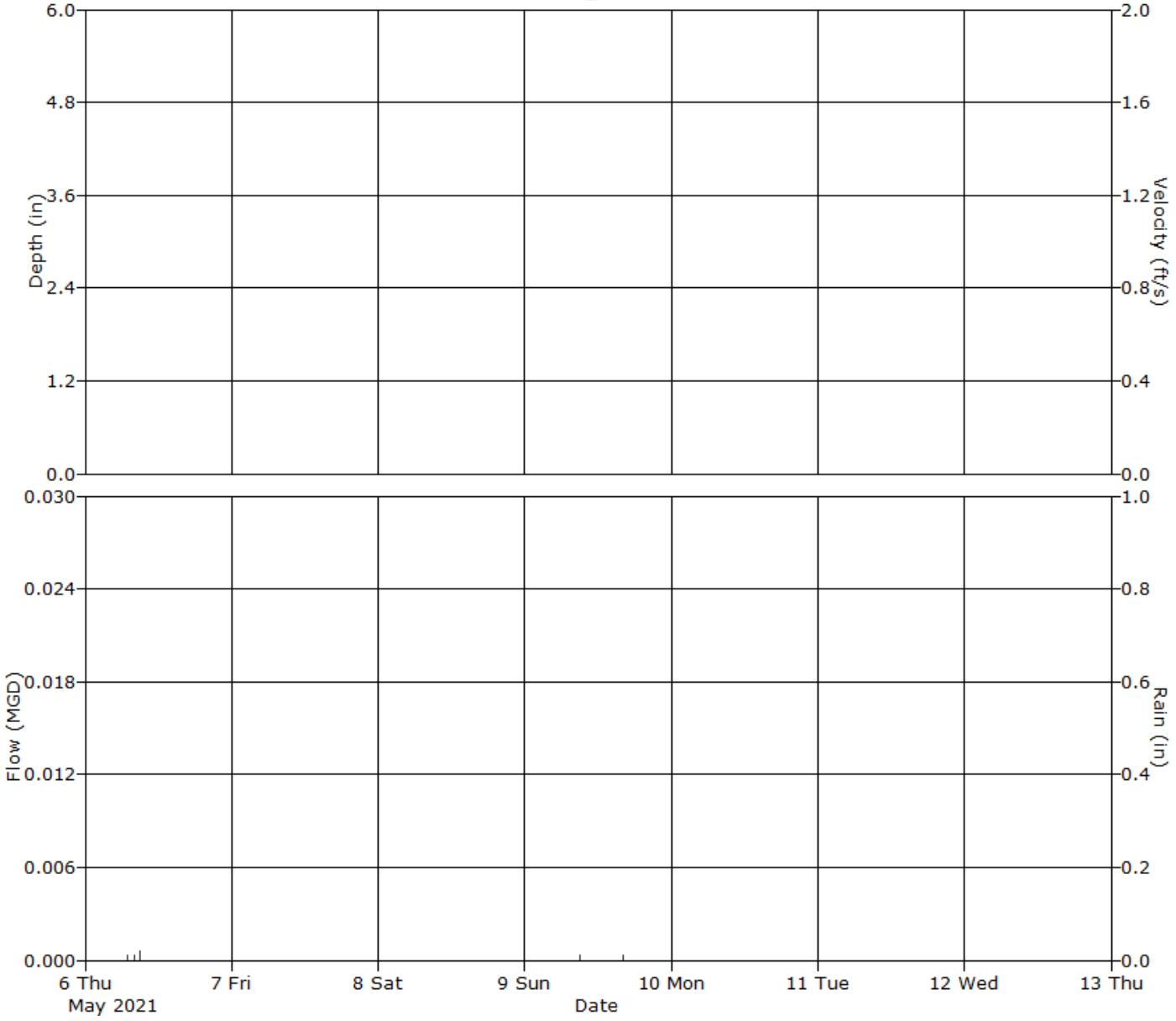


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



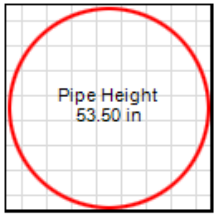
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

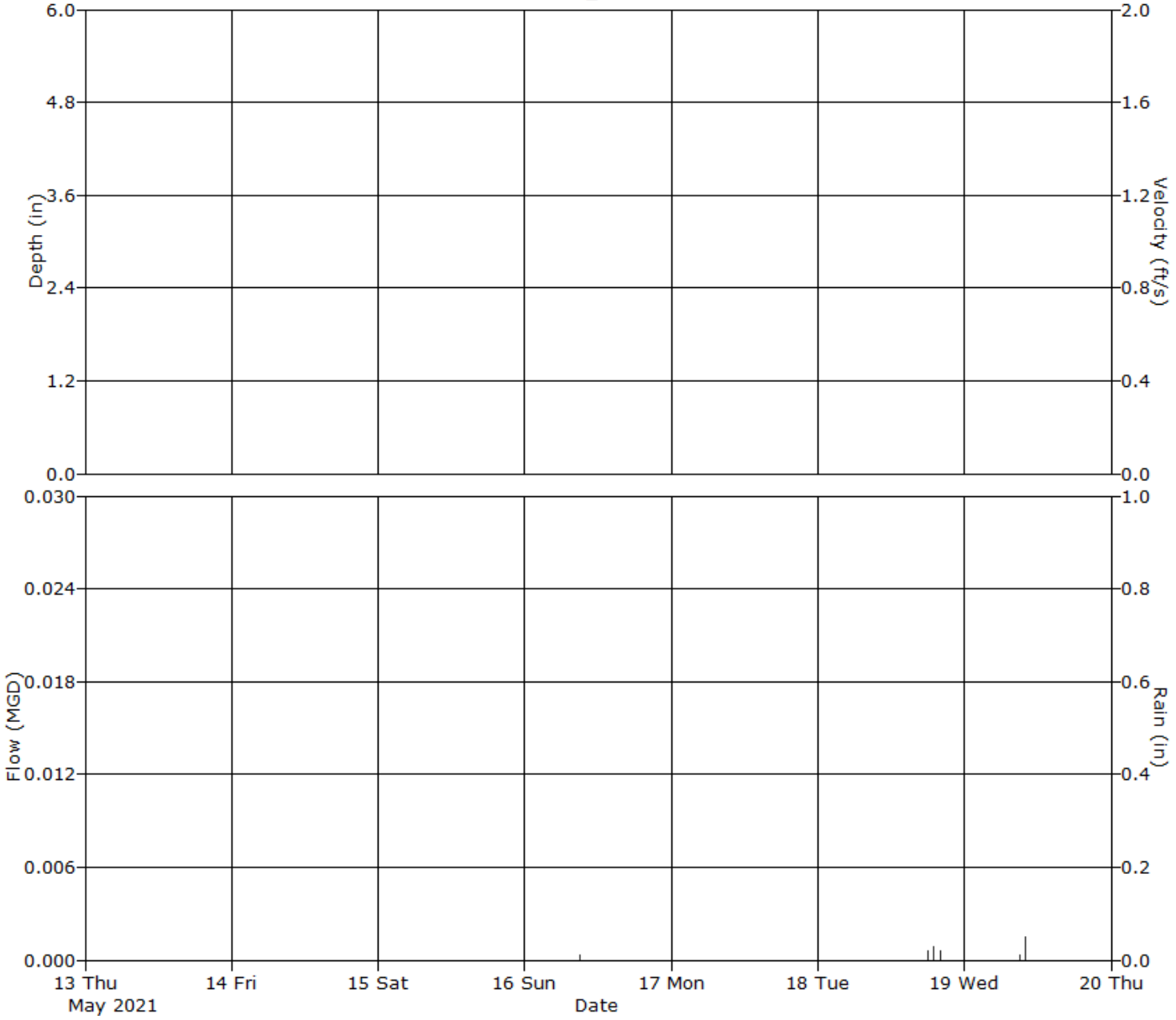


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



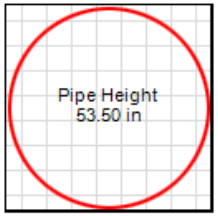
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

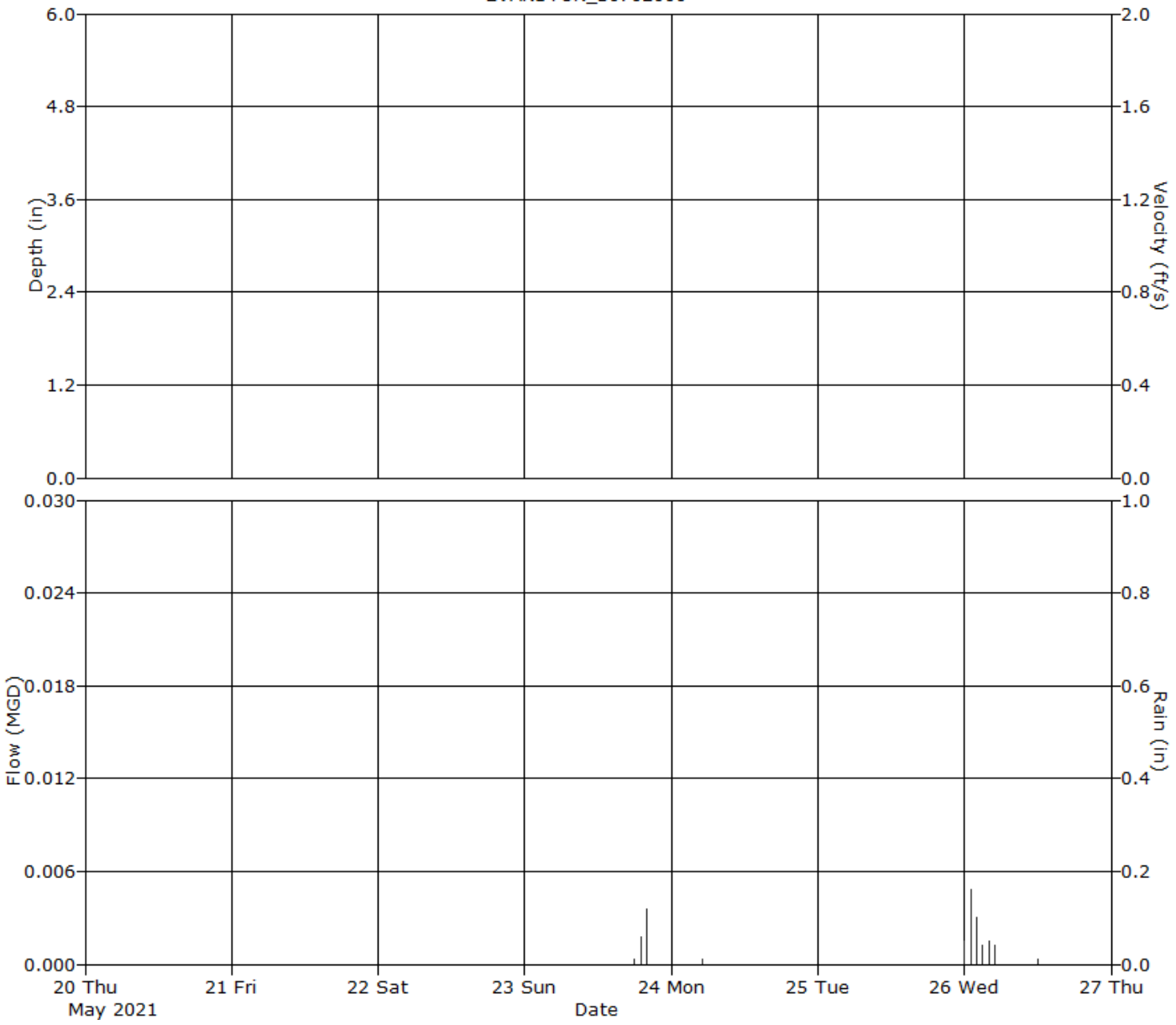


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



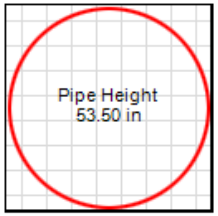
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

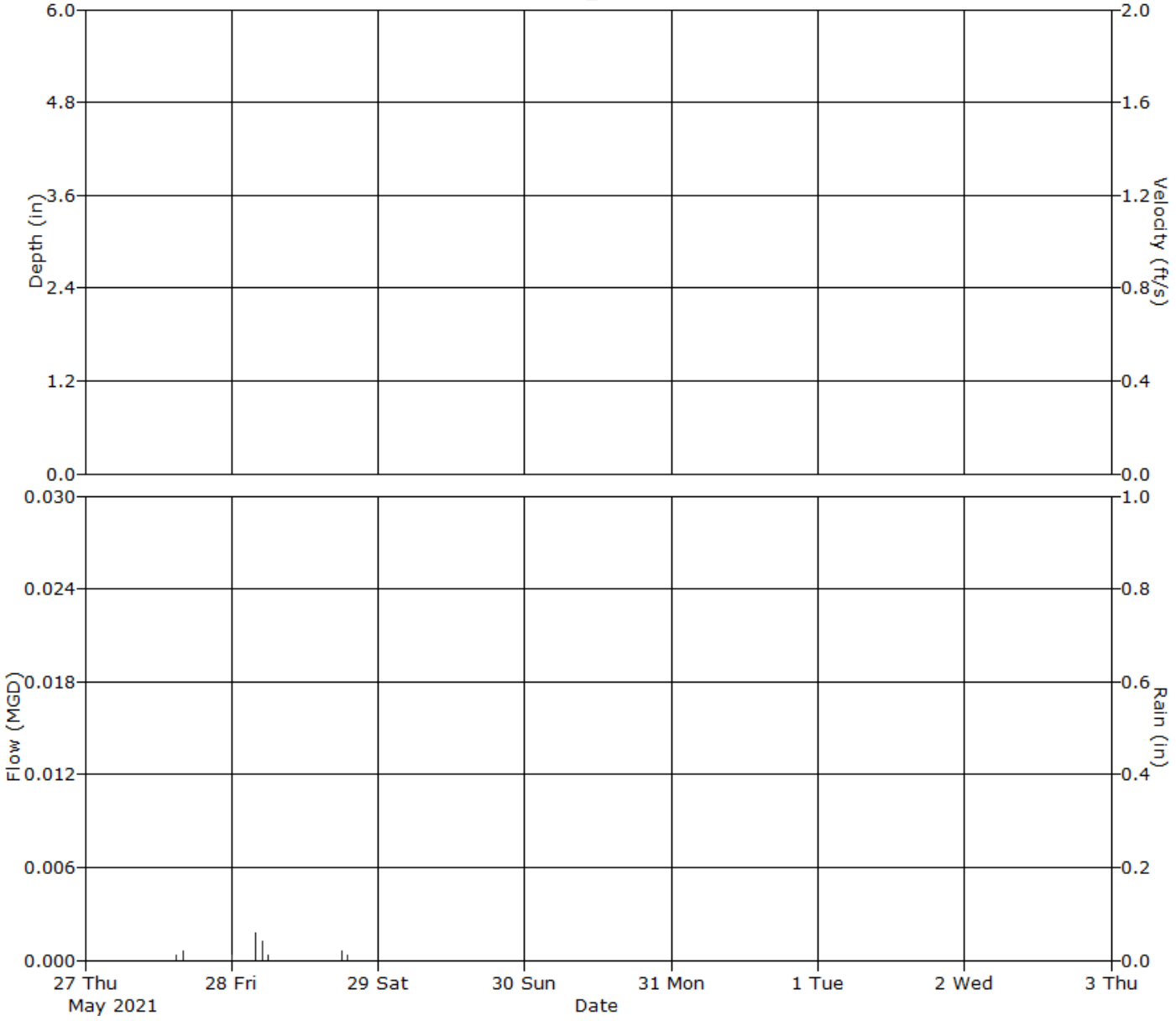


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



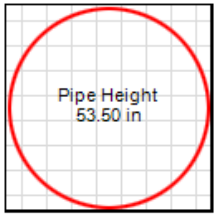
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

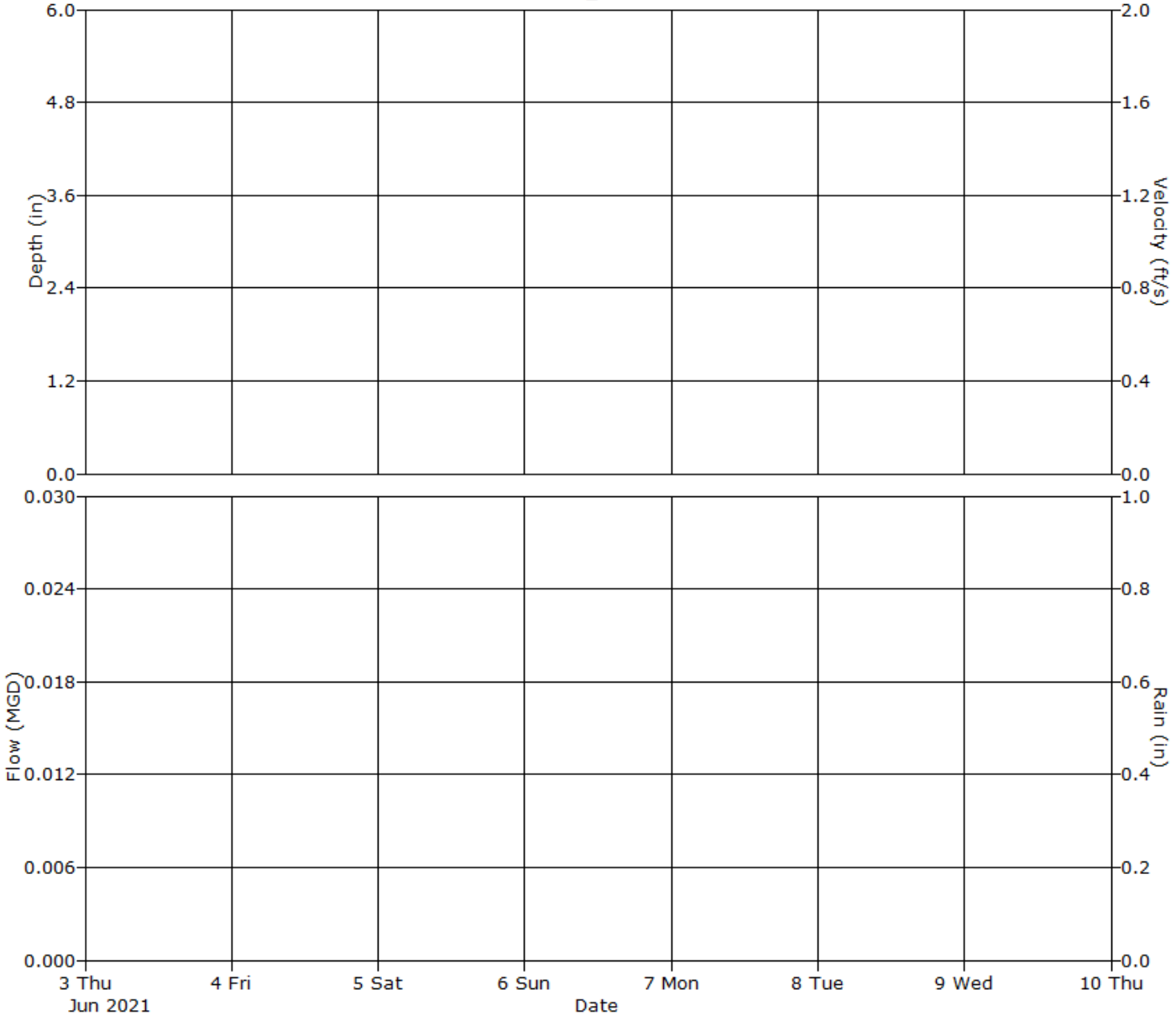


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



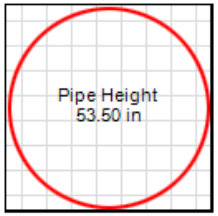
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

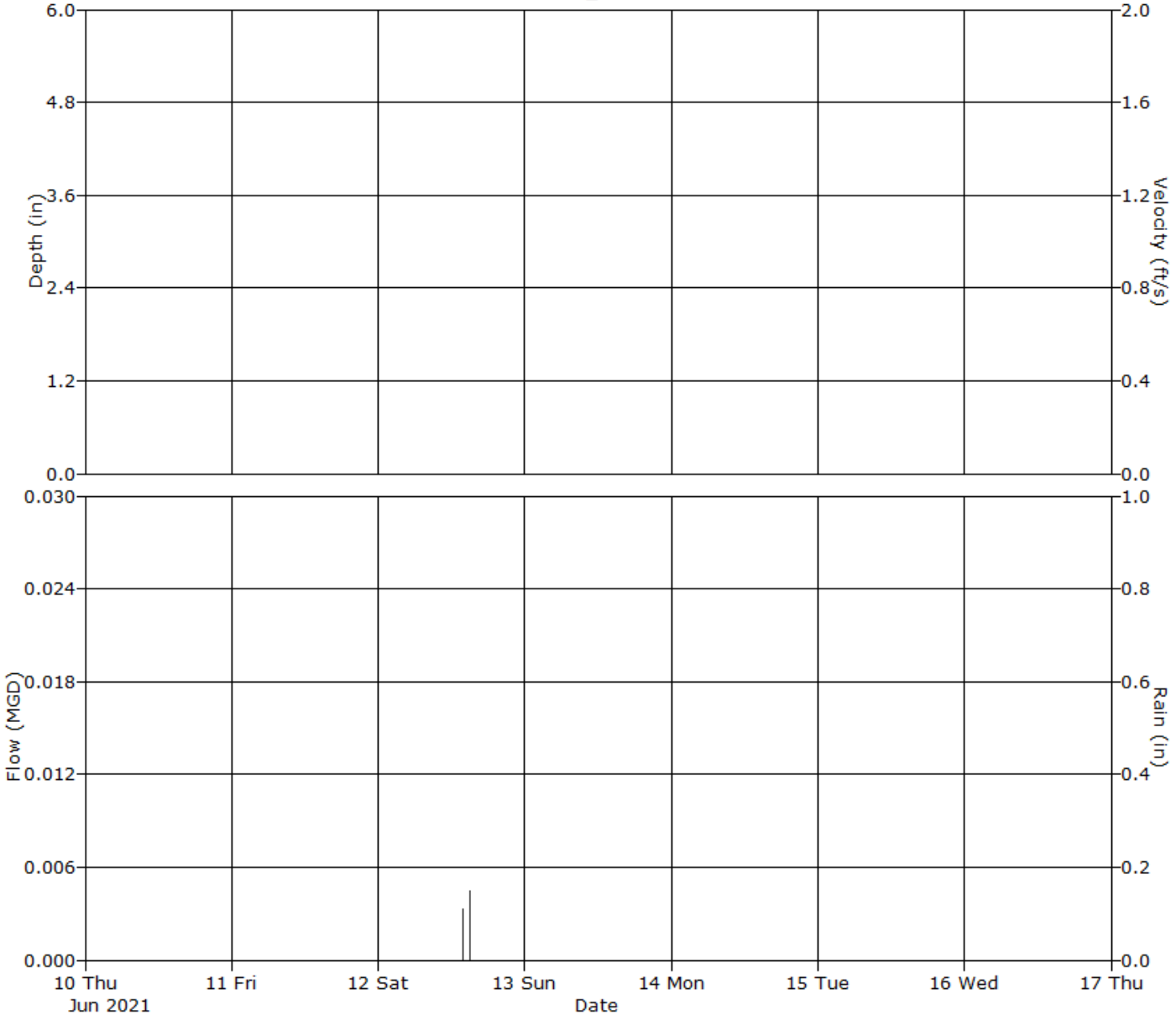


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



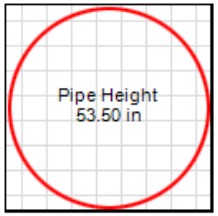
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

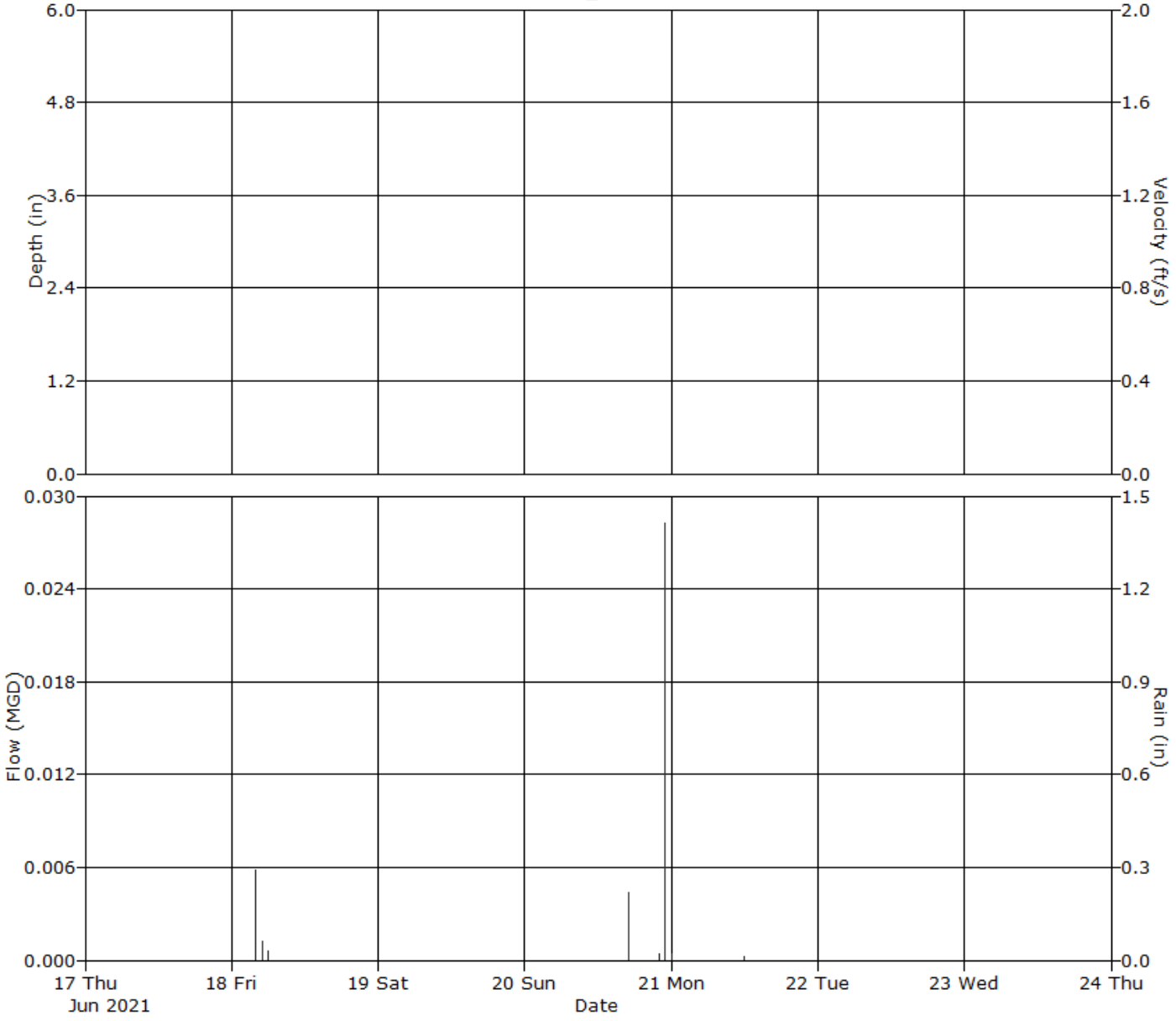


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



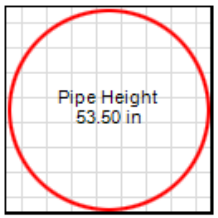
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

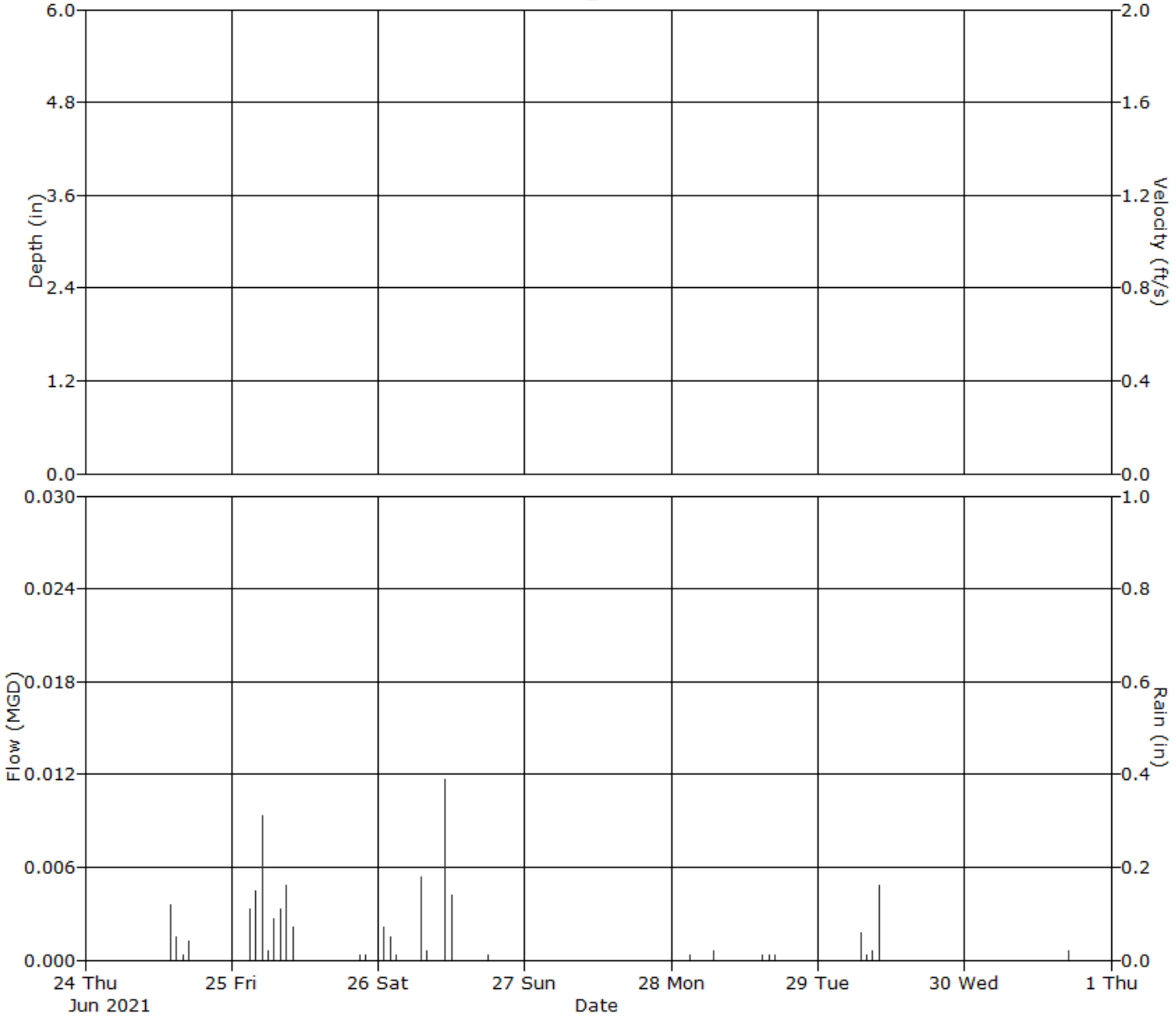


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



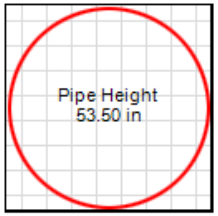
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

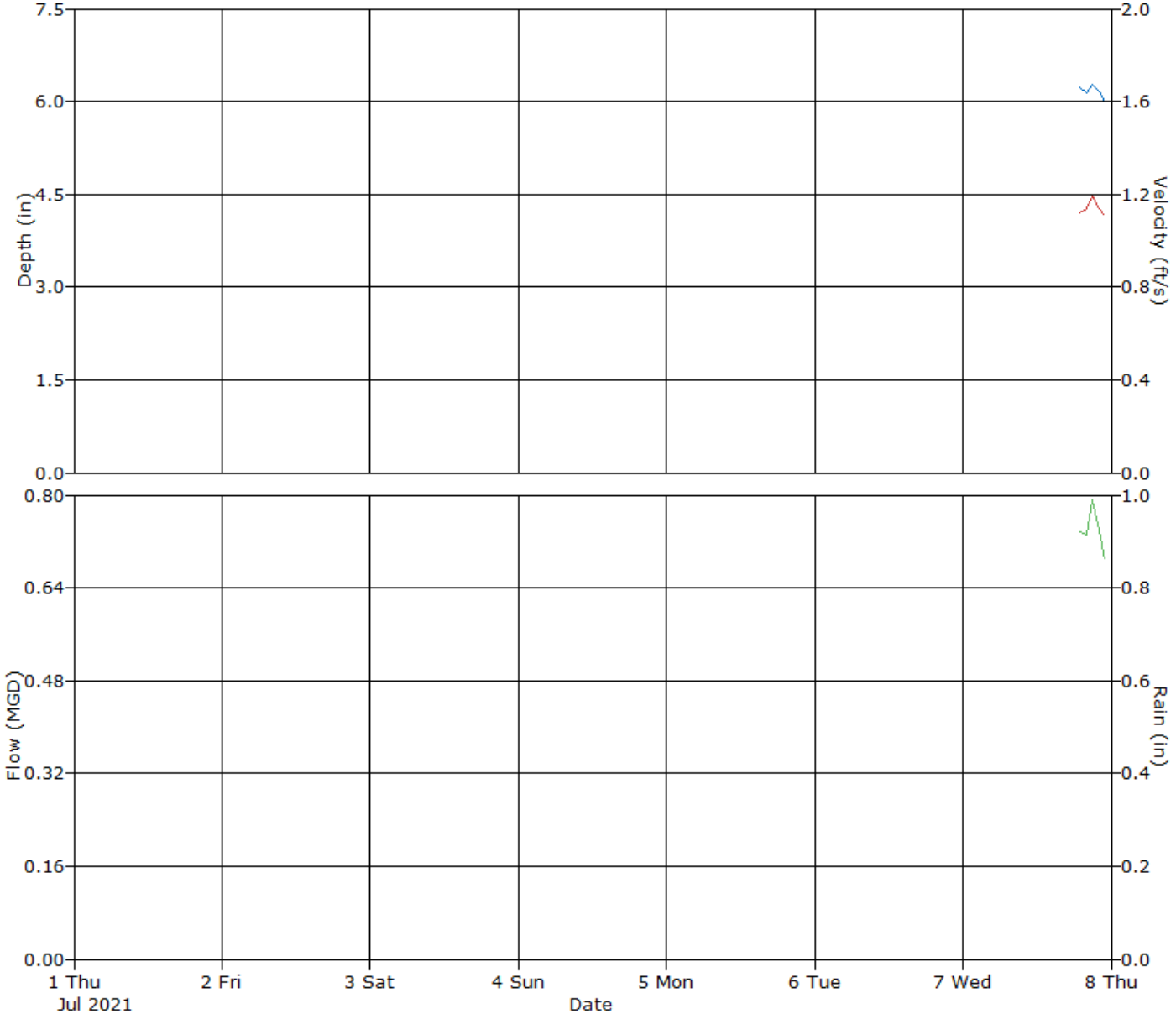


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



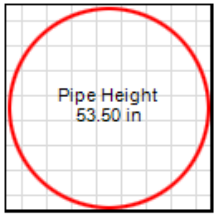
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

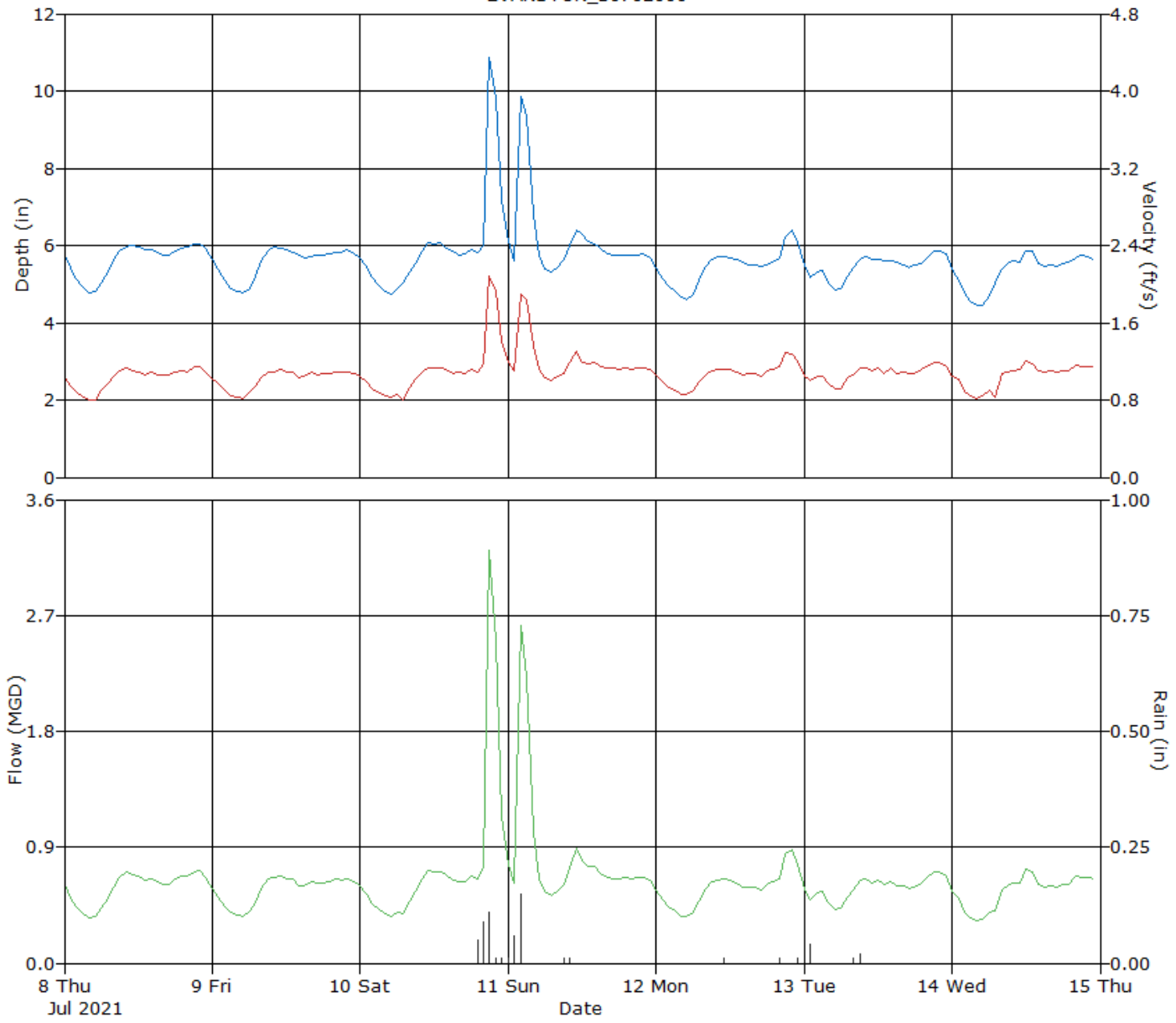


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



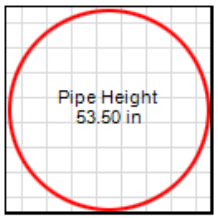
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

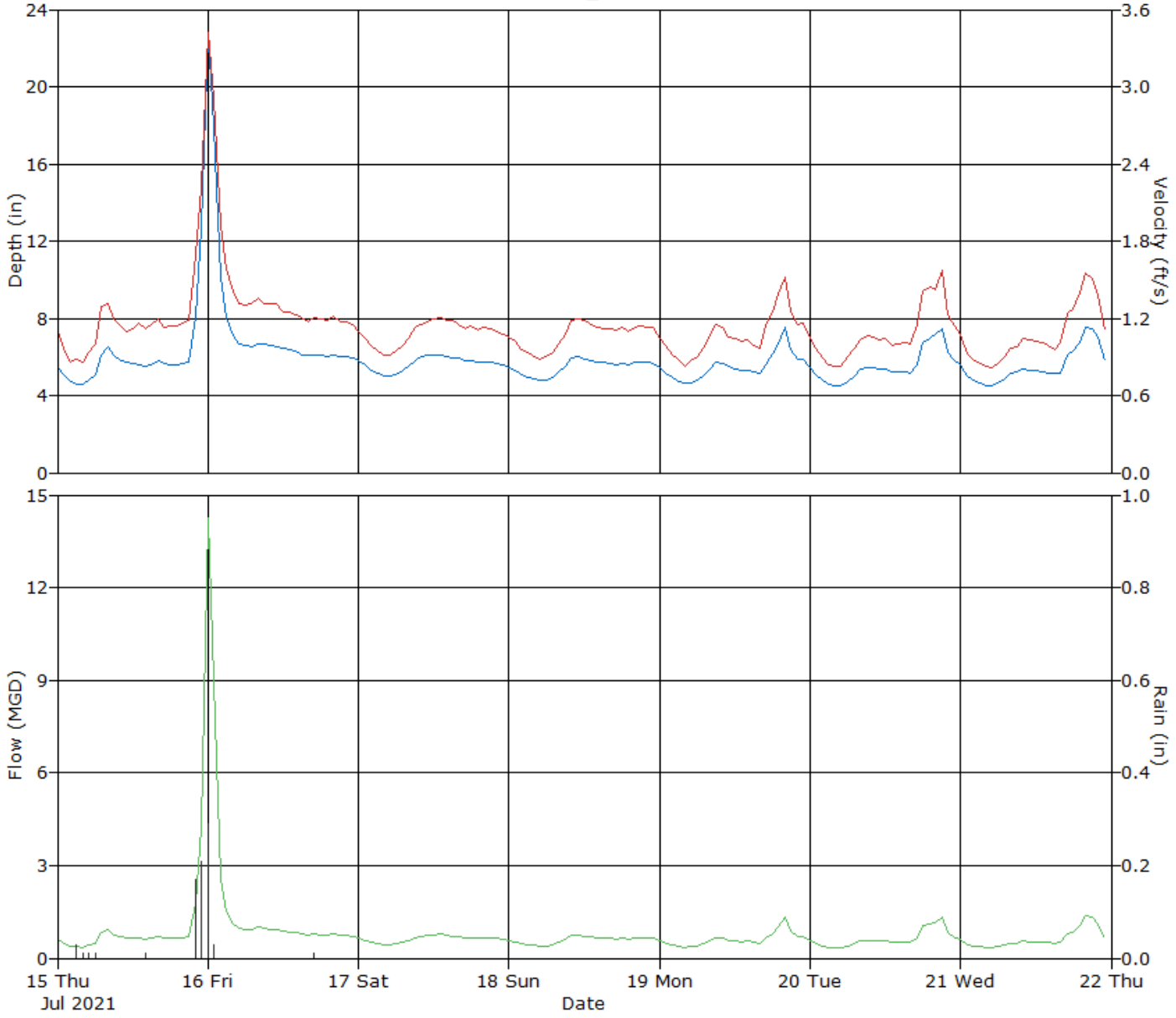


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



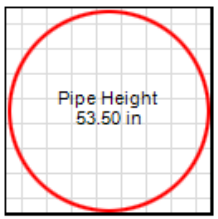
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

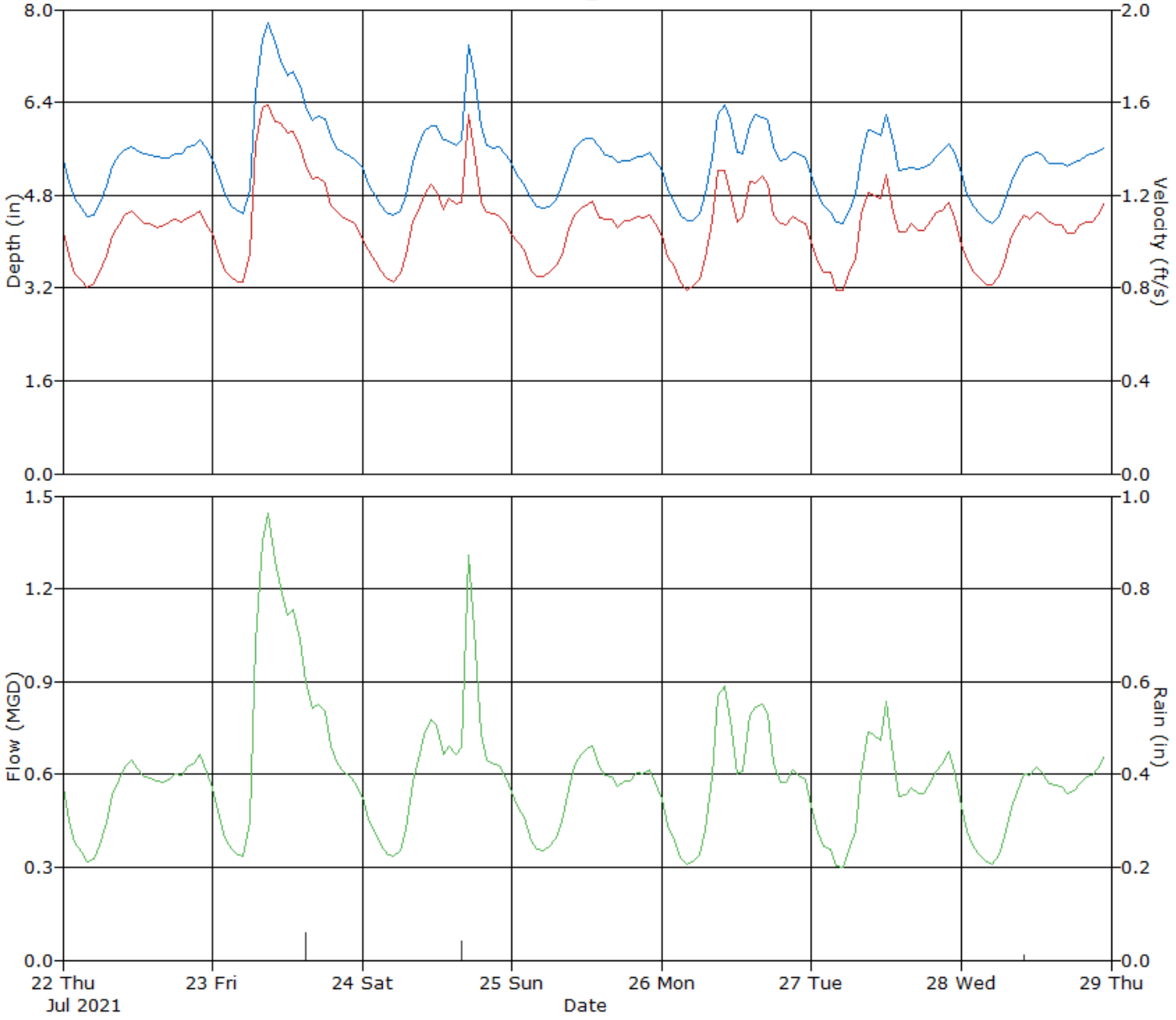


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



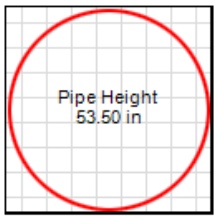
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

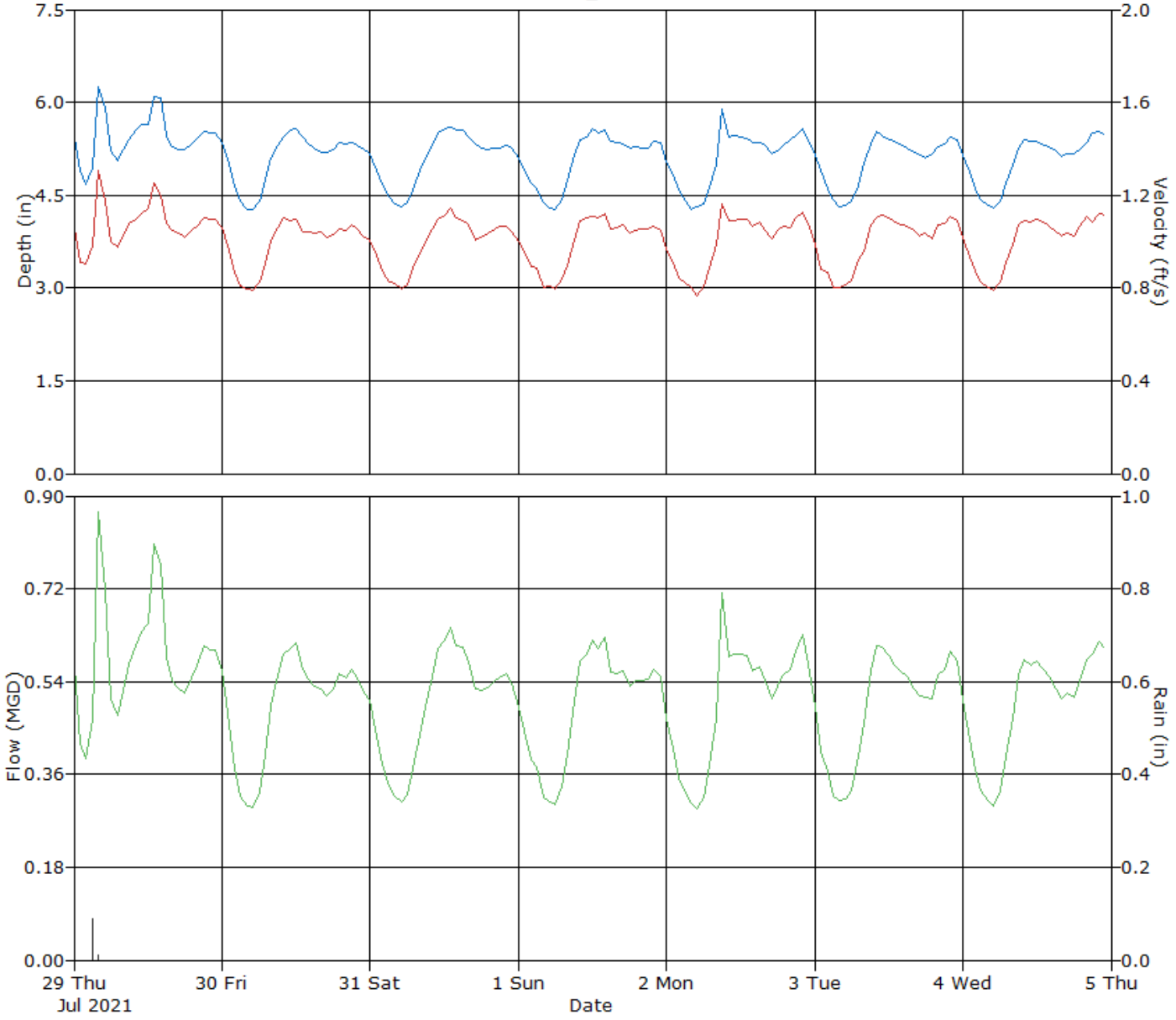


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



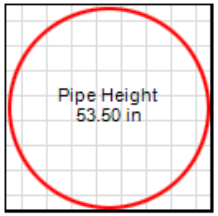
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

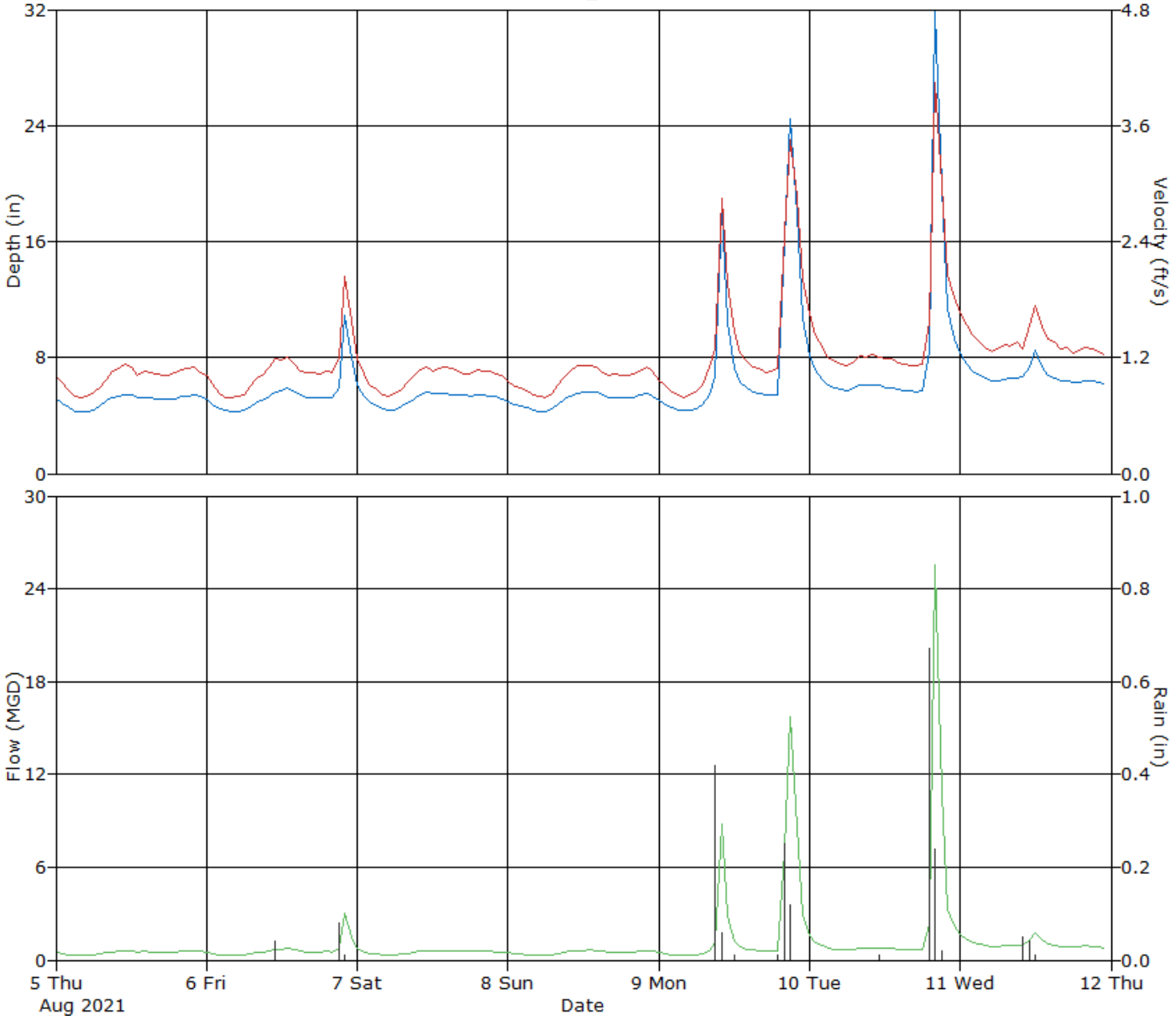


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



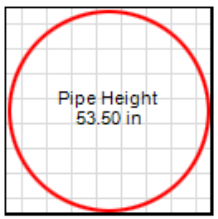
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

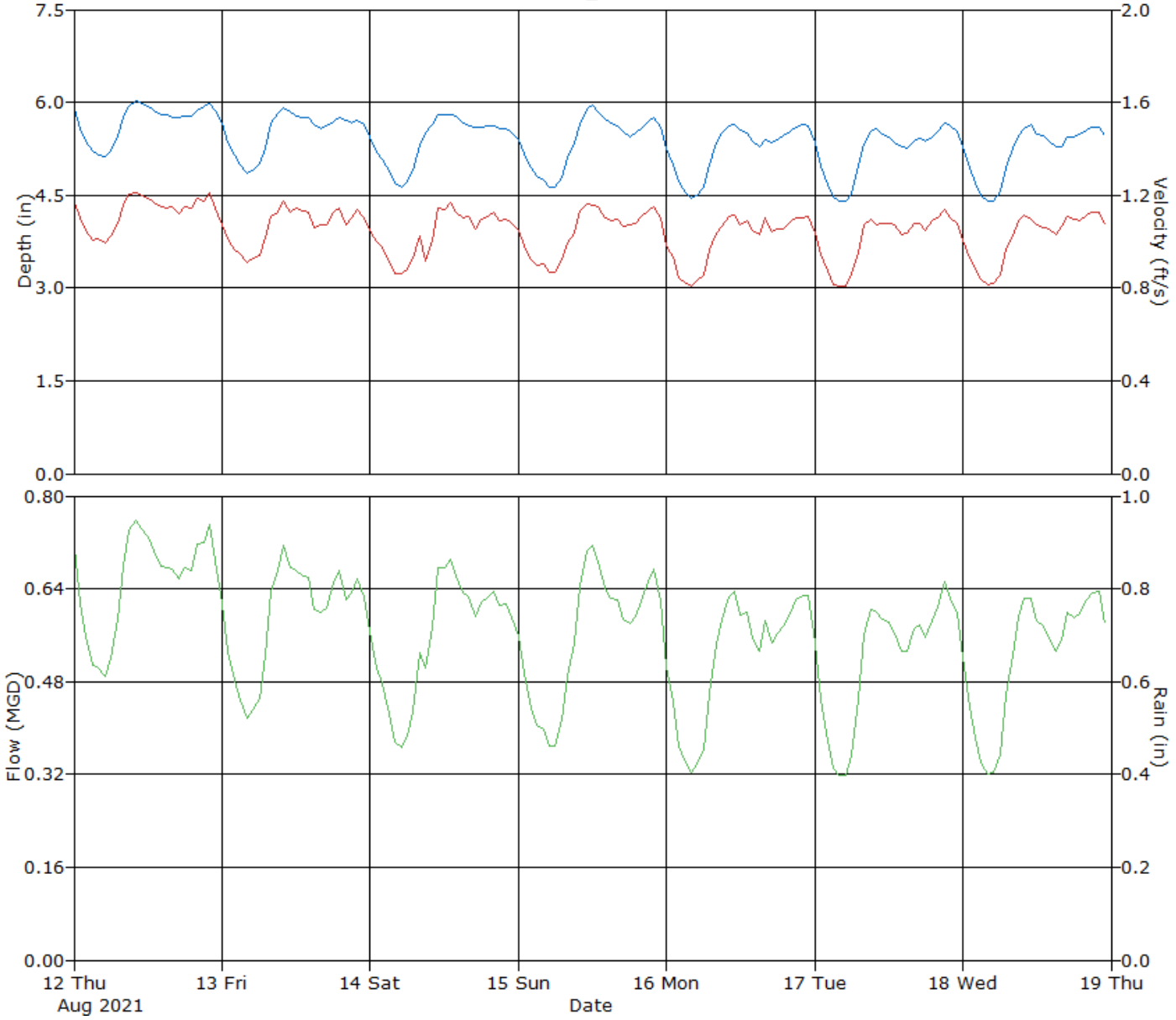


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



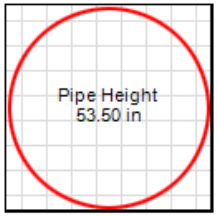
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

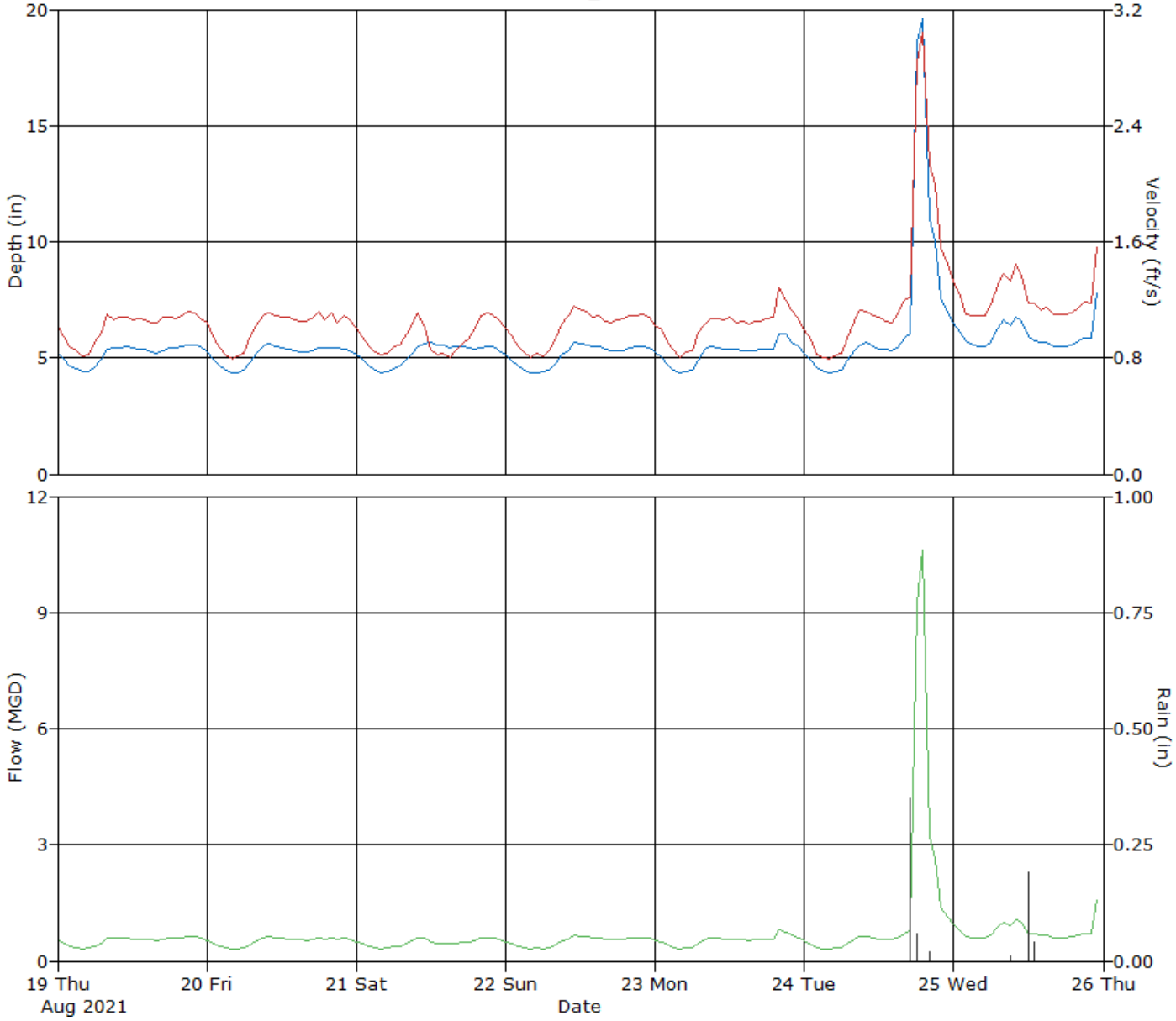


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



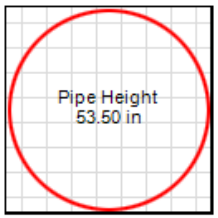
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0702000

Flow Monitor

EVANSTON_B0702000

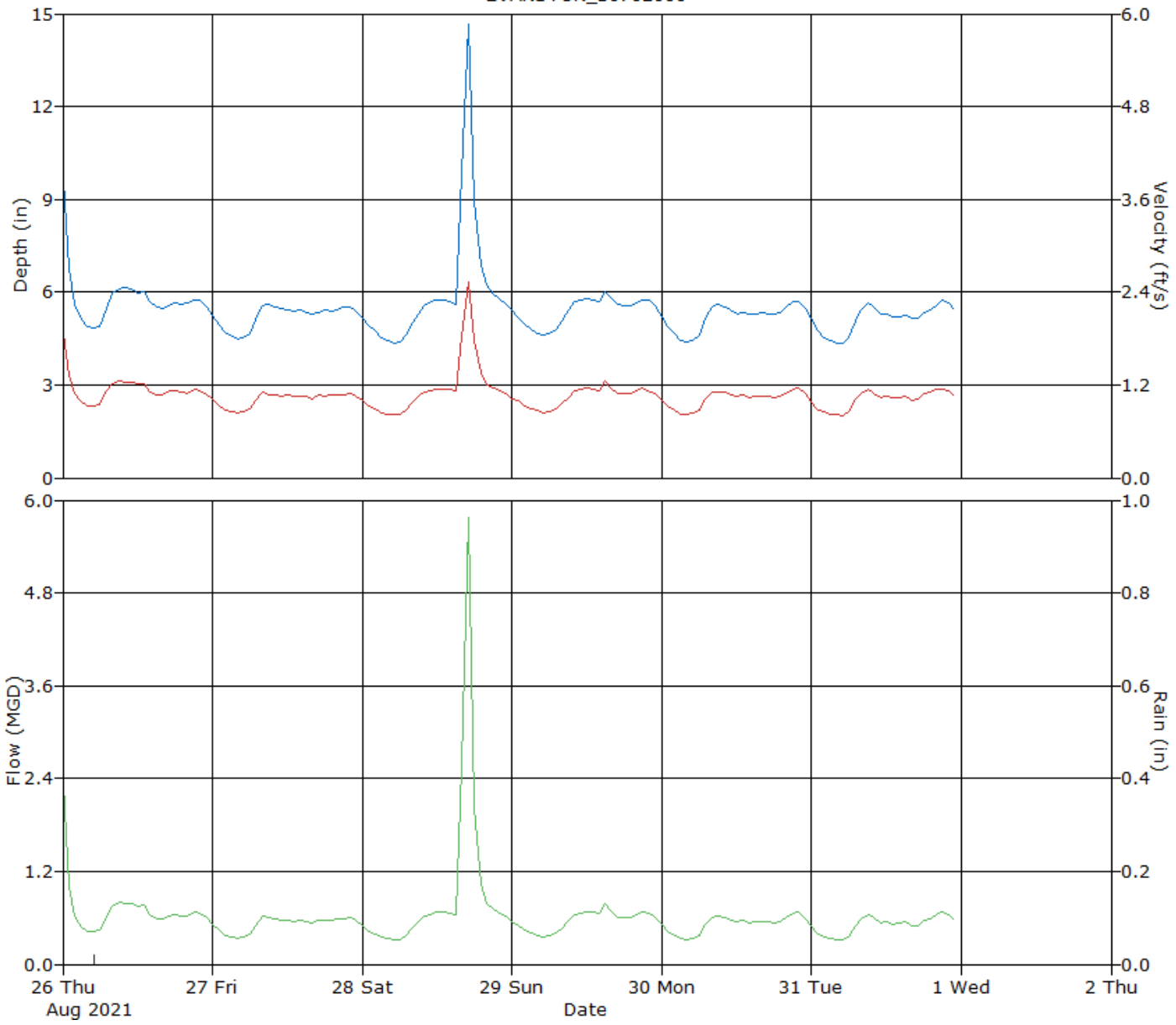


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.07
05/19/2021																	0.06
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.19
05/24/2021																	0.01
05/25/2021																	
05/26/2021																	0.45
05/27/2021																	0.03
05/28/2021																	0.15
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.26
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.65
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.22
06/25/2021																	1.04
06/26/2021																	0.87
06/27/2021																	
06/28/2021																	0.06
06/29/2021																	0.25
06/30/2021																	0.02
07/01/2021																	
07/02/2021																	
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021																	
07/07/2021	23:55	5.90	19:10	6.49	6.16	23:40	1.04	21:05	1.25	1.14	23:40	0.635	21:05	0.830	0.737	19854	
07/08/2021	04:30	4.75	21:55	6.08	5.64	05:05	0.77	11:55	1.20	1.02	05:05	0.340	22:00	0.751	0.590	78843	
07/09/2021	05:40	4.76	10:55	5.96	5.56	05:40	0.79	13:40	1.16	1.02	05:40	0.349	11:15	0.702	0.572	76487	
07/10/2021	05:30	4.72	21:45	12.42	6.02	06:50	0.70	21:50	2.42	1.11	06:50	0.325	21:50	4.280	0.787	105209	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	07:25	5.29	02:40	11.86	6.17	07:20	0.96	02:30	2.27	1.20	07:20	0.500	02:35	3.771	0.836	111722	0.24
07/12/2021	05:30	4.58	21:55	6.57	5.45	04:25	0.80	21:55	1.44	1.06	04:25	0.344	21:55	1.023	0.583	77940	0.03
07/13/2021	06:00	4.82	22:55	5.91	5.47	06:25	0.82	21:15	1.25	1.08	06:25	0.376	21:15	0.752	0.588	78562	0.07
07/14/2021	04:50	4.41	12:50	6.08	5.33	07:10	0.71	12:45	1.28	1.05	04:50	0.313	12:45	0.813	0.557	74516	
07/15/2021	04:10	4.51	23:55	16.24	5.91	02:25	0.68	23:55	2.55	1.17	02:25	0.302	23:55	6.615	0.811	108353	0.45
07/16/2021	23:40	5.90	00:45	24.94	7.73	23:25	1.09	00:30	3.80	1.45	23:25	0.664	00:45	17.525	1.847	246878	0.33
07/17/2021	05:20	4.98	13:20	6.13	5.65	04:45	0.86	13:25	1.25	1.09	04:45	0.410	13:25	0.802	0.625	83527	
07/18/2021	06:00	4.76	11:05	6.04	5.48	05:50	0.82	11:20	1.26	1.07	05:50	0.363	11:20	0.789	0.587	78528	
07/19/2021	04:45	4.65	20:25	8.14	5.51	04:40	0.68	20:20	1.77	1.07	04:40	0.292	20:20	1.681	0.609	81443	
07/20/2021	05:00	4.50	20:05	7.93	5.52	03:50	0.80	20:05	1.74	1.08	04:40	0.329	20:05	1.628	0.623	83309	
07/21/2021	05:25	4.46	21:45	8.92	5.52	05:05	0.76	21:35	1.87	1.07	05:05	0.309	21:40	1.992	0.624	83358	
07/22/2021	04:55	4.40	22:15	5.80	5.29	05:00	0.76	22:10	1.24	1.02	05:00	0.301	22:10	0.731	0.536	71603	
07/23/2021	05:30	4.48	09:25	8.13	5.97	04:50	0.79	08:40	1.73	1.21	04:50	0.325	08:40	1.573	0.789	105421	0.06
07/24/2021	05:30	4.44	17:45	7.75	5.52	04:55	0.79	17:35	1.69	1.10	04:55	0.318	17:35	1.511	0.625	83616	0.04
07/25/2021	06:00	4.55	13:00	5.81	5.27	05:55	0.81	12:55	1.21	1.04	05:55	0.335	12:55	0.717	0.539	72099	
07/26/2021	04:45	4.35	10:40	6.38	5.41	03:50	0.75	10:35	1.34	1.07	03:50	0.297	10:35	0.917	0.591	78957	
07/27/2021	04:50	4.29	12:45	6.26	5.25	04:35	0.75	12:25	1.32	1.04	04:35	0.285	12:25	0.866	0.545	72898	
07/28/2021	05:35	4.30	23:45	5.73	5.14	04:15	0.77	23:45	1.25	1.02	05:55	0.301	23:45	0.728	0.512	68392	0.01
07/29/2021	02:50	4.65	13:35	6.67	5.44	02:00	0.84	13:35	1.47	1.08	02:50	0.361	13:35	1.067	0.587	78430	0.10
07/30/2021	04:55	4.25	12:05	5.71	5.10	04:25	0.75	10:45	1.16	0.99	04:30	0.284	12:05	0.669	0.494	66000	
07/31/2021	05:35	4.30	13:15	5.65	5.09	05:35	0.76	16:30	1.28	0.99	05:35	0.291	16:30	0.688	0.494	66048	
08/01/2021	06:20	4.26	14:15	5.63	5.08	05:10	0.76	13:55	1.18	1.00	05:10	0.290	14:15	0.662	0.492	65833	
08/02/2021	04:55	4.22	09:05	6.61	5.11	05:00	0.73	09:05	1.48	1.00	05:00	0.282	09:05	1.065	0.501	66958	
08/03/2021	05:05	4.28	10:05	5.58	5.06	03:30	0.69	10:45	1.18	1.00	03:30	0.275	10:45	0.645	0.491	65629	
08/04/2021	05:25	4.28	21:45	5.57	5.06	06:30	0.75	22:50	1.18	1.00	05:20	0.285	22:50	0.652	0.493	65916	
08/05/2021	04:55	4.22	11:35	5.50	5.02	04:40	0.74	11:20	1.18	0.99	04:40	0.276	11:20	0.636	0.483	64546	
08/06/2021	04:05	4.26	22:25	11.51	5.46	03:55	0.76	22:15	2.15	1.07	03:55	0.286	22:15	3.402	0.655	87523	0.13
08/07/2021	05:55	4.33	00:00	6.69	5.20	04:50	0.77	00:00	1.37	1.01	05:10	0.306	00:00	0.996	0.515	68860	
08/08/2021	05:55	4.29	13:00	5.65	5.08	06:05	0.76	14:50	1.17	0.98	06:05	0.290	13:05	0.661	0.488	65247	
08/09/2021	05:00	4.30	21:10	27.68	8.06	04:45	0.74	21:10	3.80	1.42	04:45	0.283	21:10	20.088	2.345	313500	0.87
08/10/2021	17:30	5.65	20:20	34.29	8.20	06:40	0.99	20:20	4.44	1.48	06:40	0.584	20:20	30.384	2.459	328740	0.94
08/11/2021	23:55	6.05	12:10	8.81	6.78	23:55	1.18	11:50	1.84	1.37	23:55	0.740	12:10	2.007	1.037	138681	0.10
08/12/2021	05:20	5.11	10:10	6.04	5.70	05:25	0.96	22:45	1.26	1.13	05:25	0.474	22:45	0.790	0.657	87764	
08/13/2021	04:40	4.85	10:45	5.96	5.53	01:05	0.86	10:35	1.24	1.07	04:45	0.392	10:35	0.760	0.594	79426	
08/14/2021	05:35	4.61	12:45	5.83	5.40	05:20	0.83	13:10	1.31	1.04	05:20	0.352	13:10	0.773	0.558	74535	
08/15/2021	06:15	4.62	12:40	5.98	5.38	05:50	0.82	11:45	1.24	1.04	05:50	0.347	11:45	0.762	0.560	74827	
08/16/2021	04:25	4.44	23:05	5.68	5.24	02:25	0.65	23:10	1.15	1.01	02:25	0.286	23:10	0.663	0.523	69939	
08/17/2021	05:20	4.39	21:40	5.71	5.20	04:45	0.77	21:35	1.18	1.01	04:45	0.303	21:35	0.686	0.520	69492	
08/18/2021	04:55	4.38	11:25	5.68	5.21	04:00	0.78	11:05	1.17	1.02	04:00	0.310	11:05	0.671	0.523	69963	
08/19/2021	04:35	4.37	21:55	5.61	5.19	05:10	0.77	08:45	1.19	1.02	05:10	0.304	08:45	0.667	0.518	69256	
08/20/2021	04:55	4.31	10:15	5.62	5.14	03:15	0.68	18:40	1.17	1.01	03:15	0.280	09:55	0.643	0.509	68026	
08/21/2021	04:50	4.35	12:15	5.68	5.18	14:35	0.73	11:00	1.16	0.94	04:40	0.310	11:00	0.654	0.476	63597	
08/22/2021	04:55	4.29	11:50	5.70	5.13	04:45	0.76	11:55	1.19	1.01	04:45	0.290	11:55	0.688	0.506	67690	
08/23/2021	04:45	4.34	20:55	6.37	5.23	04:40	0.78	20:25	1.37	1.03	04:40	0.303	20:45	0.917	0.531	70951	
08/24/2021	04:40	4.35	19:05	23.84	6.94	02:50	0.70	19:10	3.64	1.29	02:50	0.289	19:10	15.756	1.559	208348	0.43
08/25/2021	05:50	5.41	23:55	11.05	5.98	02:00	0.90	23:50	2.17	1.21	17:00	0.540	23:55	3.259	0.772	103203	0.24
08/26/2021	05:55	4.80	00:00	11.08	5.82	06:10	0.91	00:00	2.17	1.15	05:40	0.411	00:00	3.283	0.718	96000	0.02
08/27/2021	04:45	4.47	08:45	5.64	5.22	03:45	0.78	08:10	1.15	1.01	04:50	0.317	08:35	0.641	0.519	69330	
08/28/2021	05:35	4.36	17:10	16.58	6.06	04:55	0.78	17:15	2.82	1.16	04:55	0.307	17:15	7.431	0.922	123202	
08/29/2021	05:45	4.61	15:35	6.12	5.40	06:30	0.81	15:25	1.29	1.05	05:20	0.345	15:25	0.827	0.566	75701	
08/30/2021	04:45	4.38	22:40	5.77	5.20	04:35	0.79	22:30	1.22	1.02	04:35	0.311	22:30	0.710	0.522	69717	
08/31/2021	05:10	4.31	21:30	5.79	5.15	05:10	0.75	21:15	1.20	1.01	05:10	0.289	21:15	0.701	0.510	68118	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			5162514	11.39
Avg	5.60	1.08	0.700	

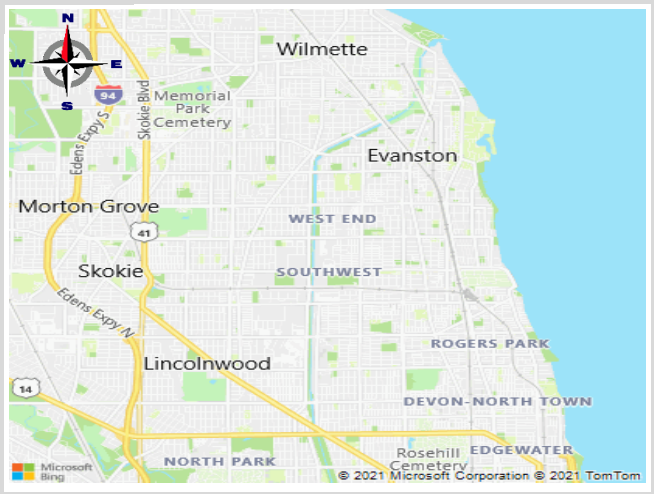
Evanston, IL

Flow Monitoring Site Report

SITE NAME

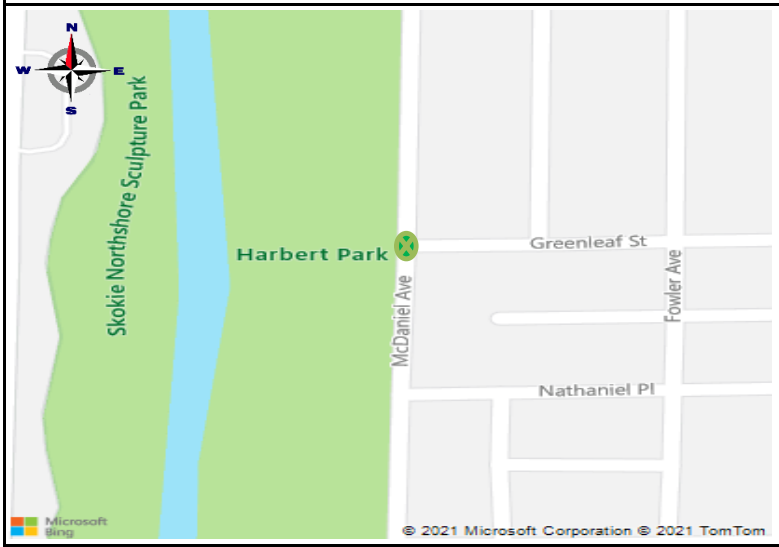
B0902000

Site Address /Location:	Intersection of Greenleaf St. and McDaniel Ave.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in road	Latitude:	42.037355	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.708551	60 x 60	Circular



Manhole #	System Characteristics
B09_02000	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, April 08, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
9:30:00 AM	60 x 60
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
10.50	48.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.55	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Fair; Slow

Manhole / Pipe Information:

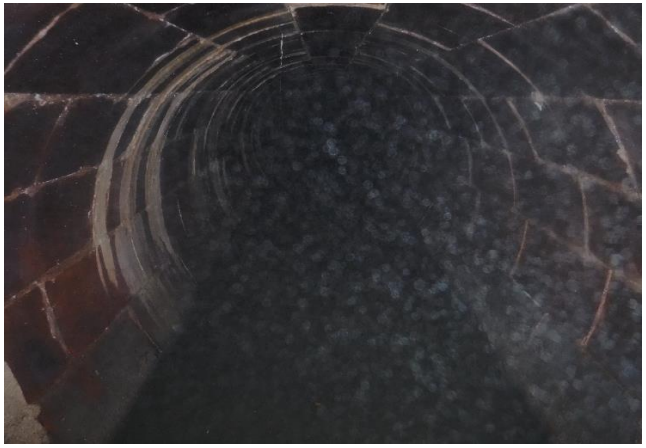
Manhole Depth (Approx. FT):	Manhole Configuration
13.5	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

Upstream E 	Downstream 	Upstream N 
Upstream S 		

SCATTERGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

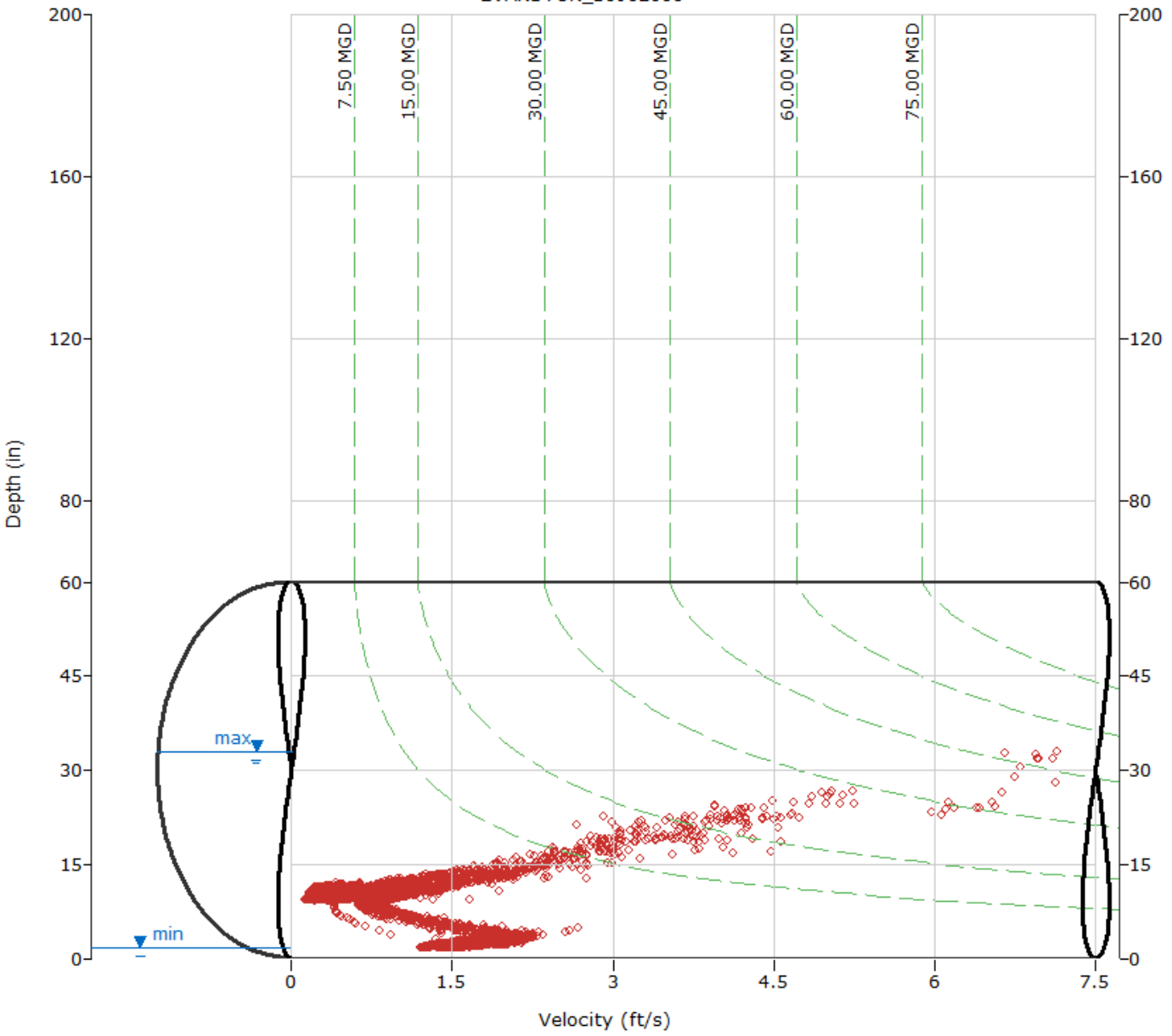
Pipe Height
60.25 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



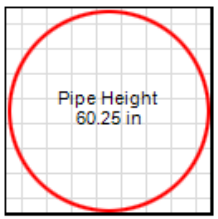
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

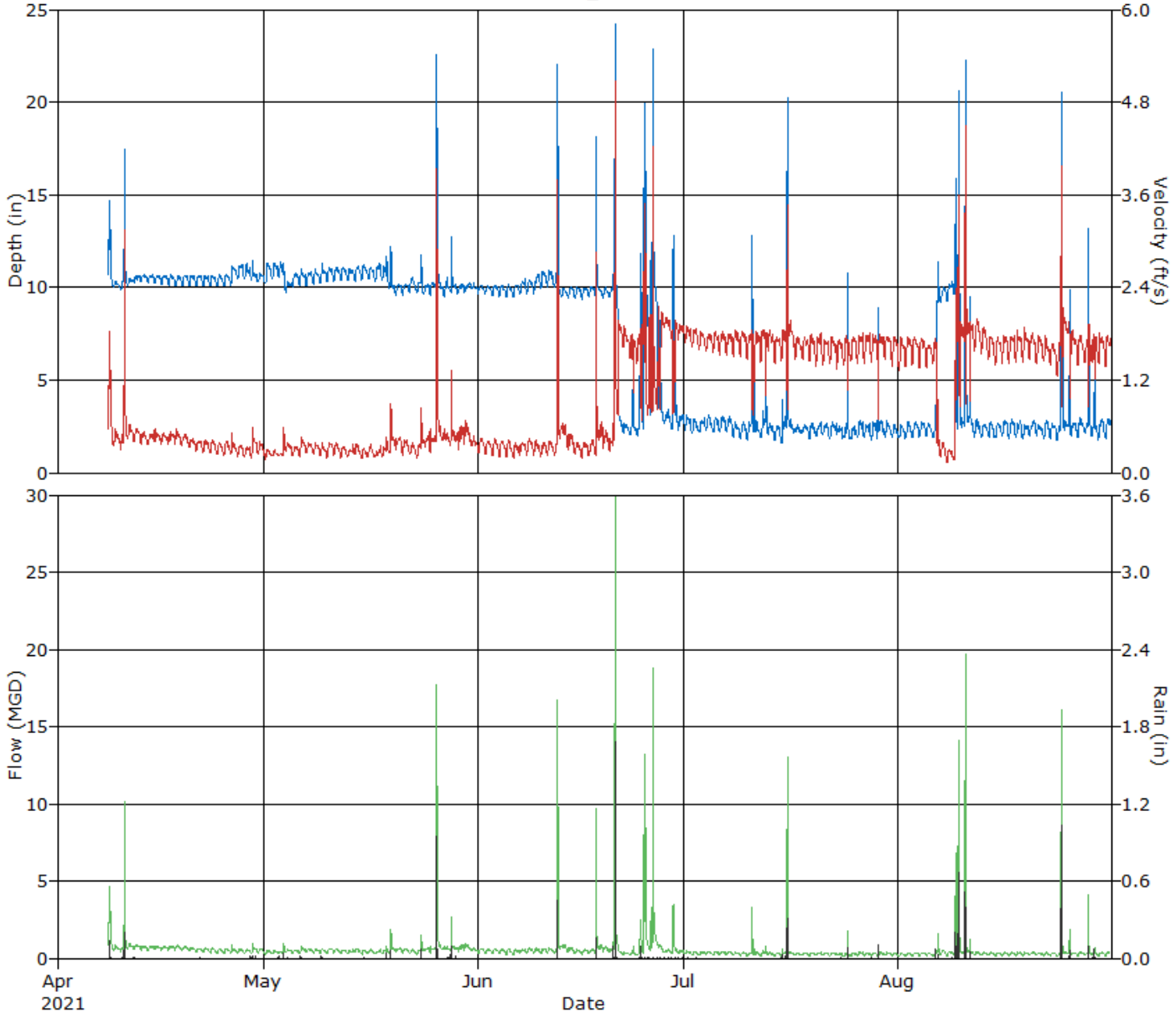


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



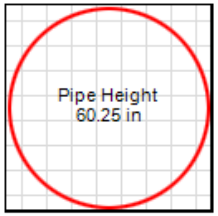
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

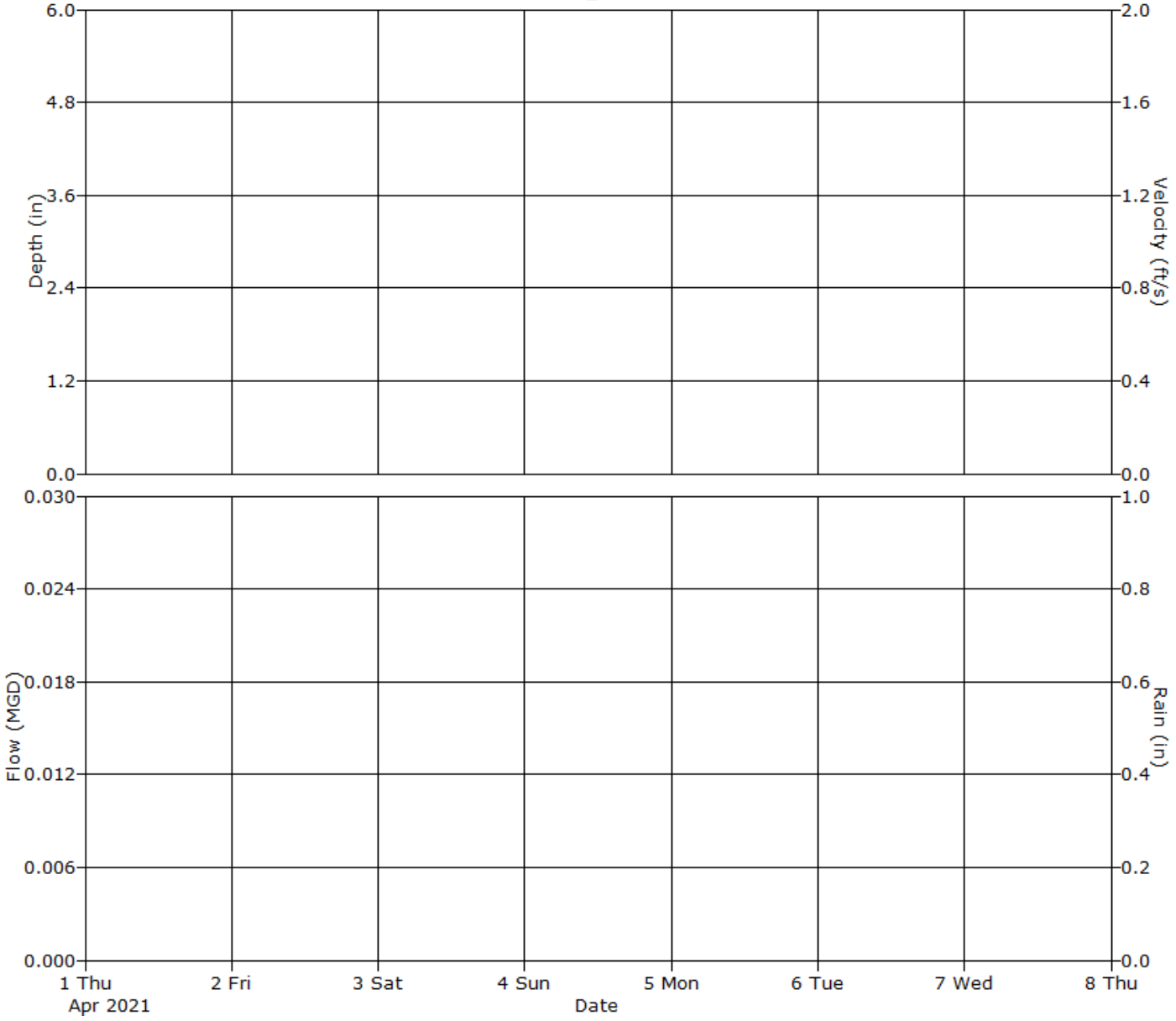


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



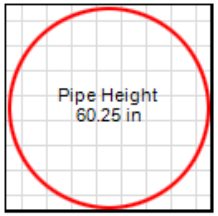
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

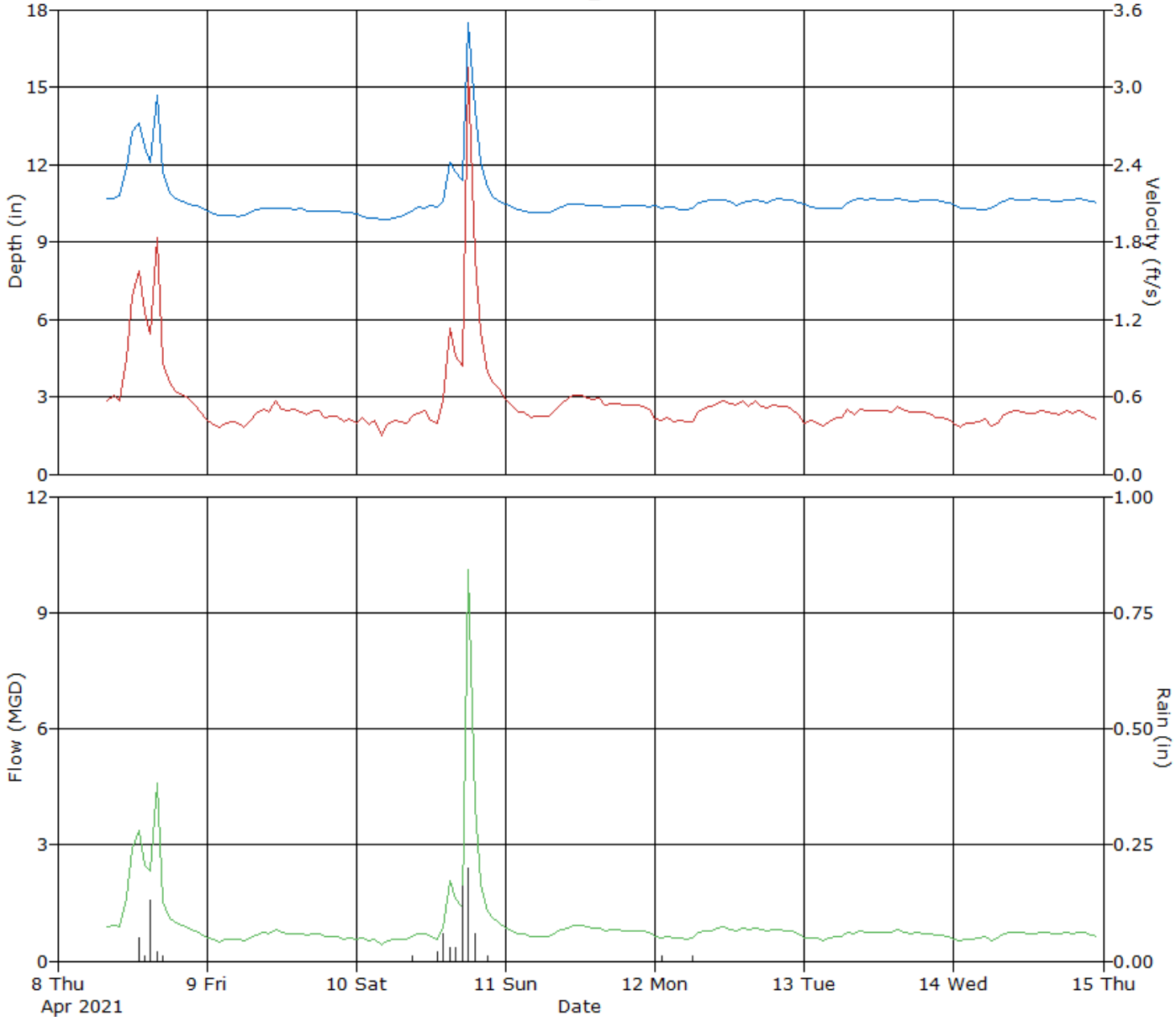


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



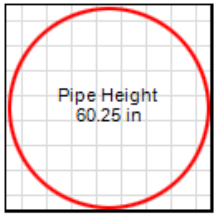
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

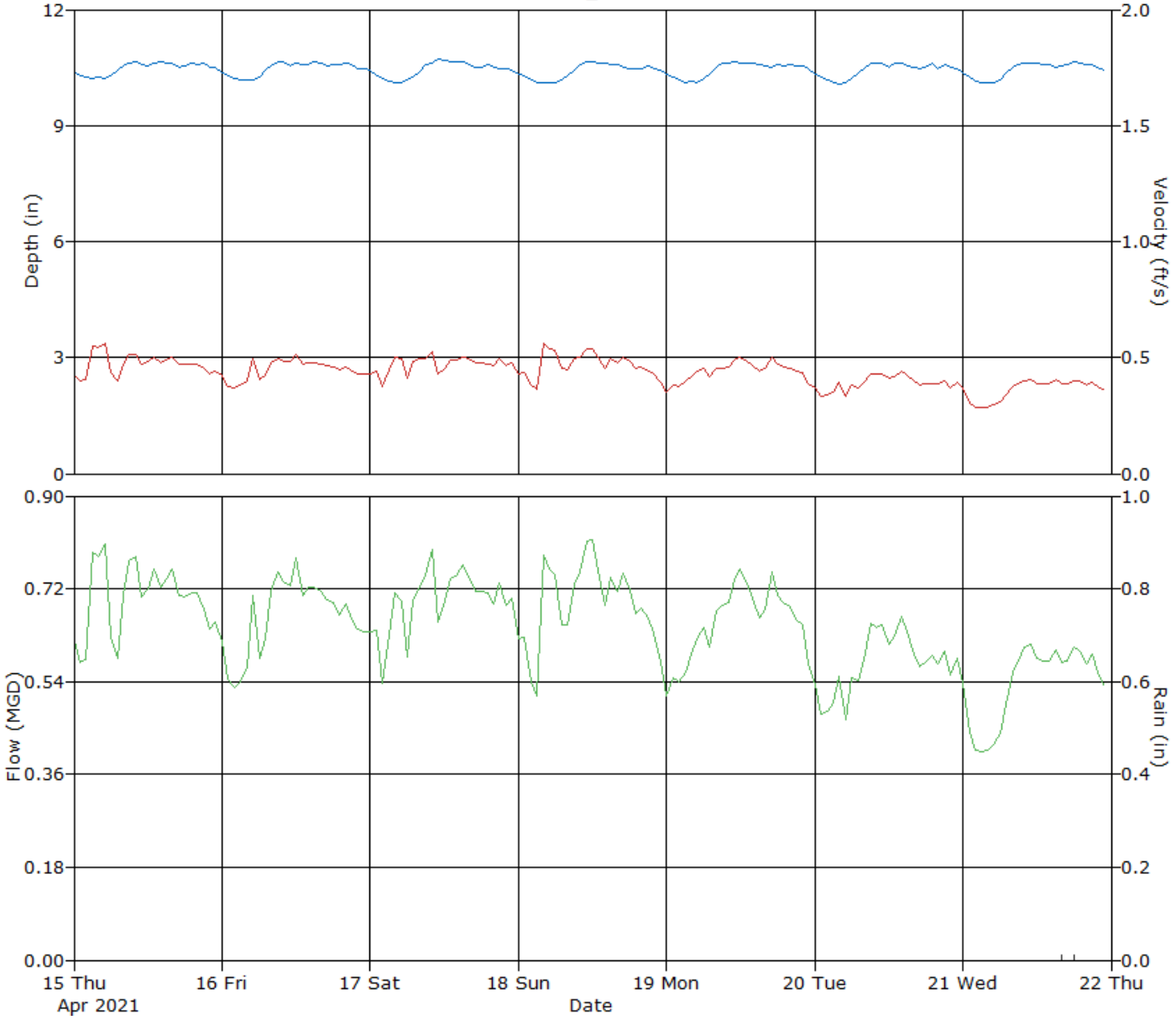


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



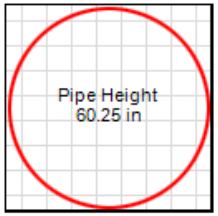
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

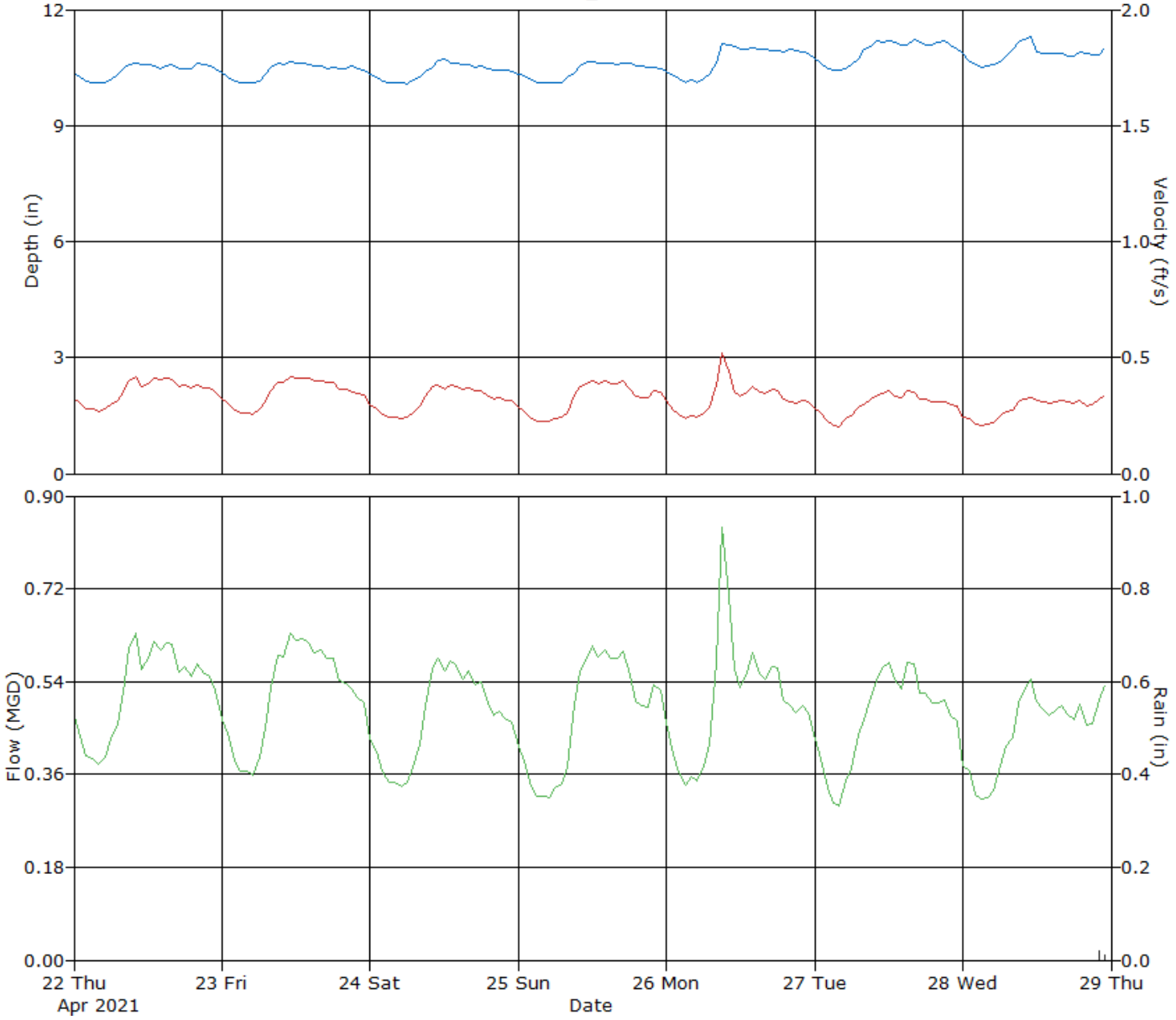


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



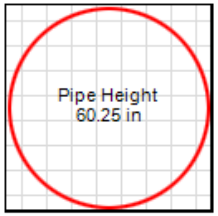
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

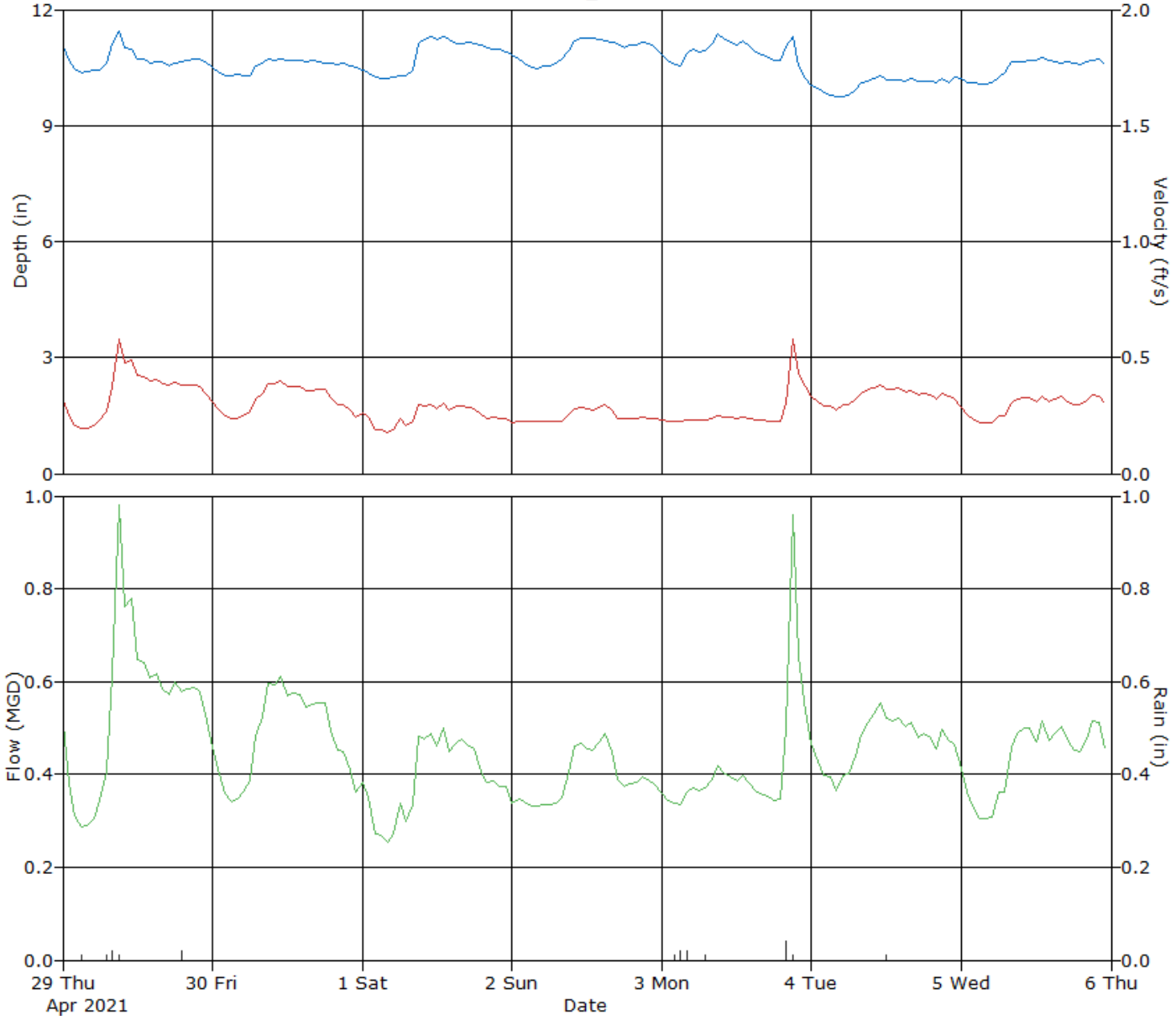


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



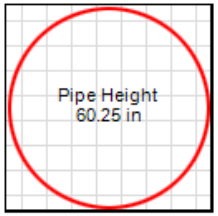
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

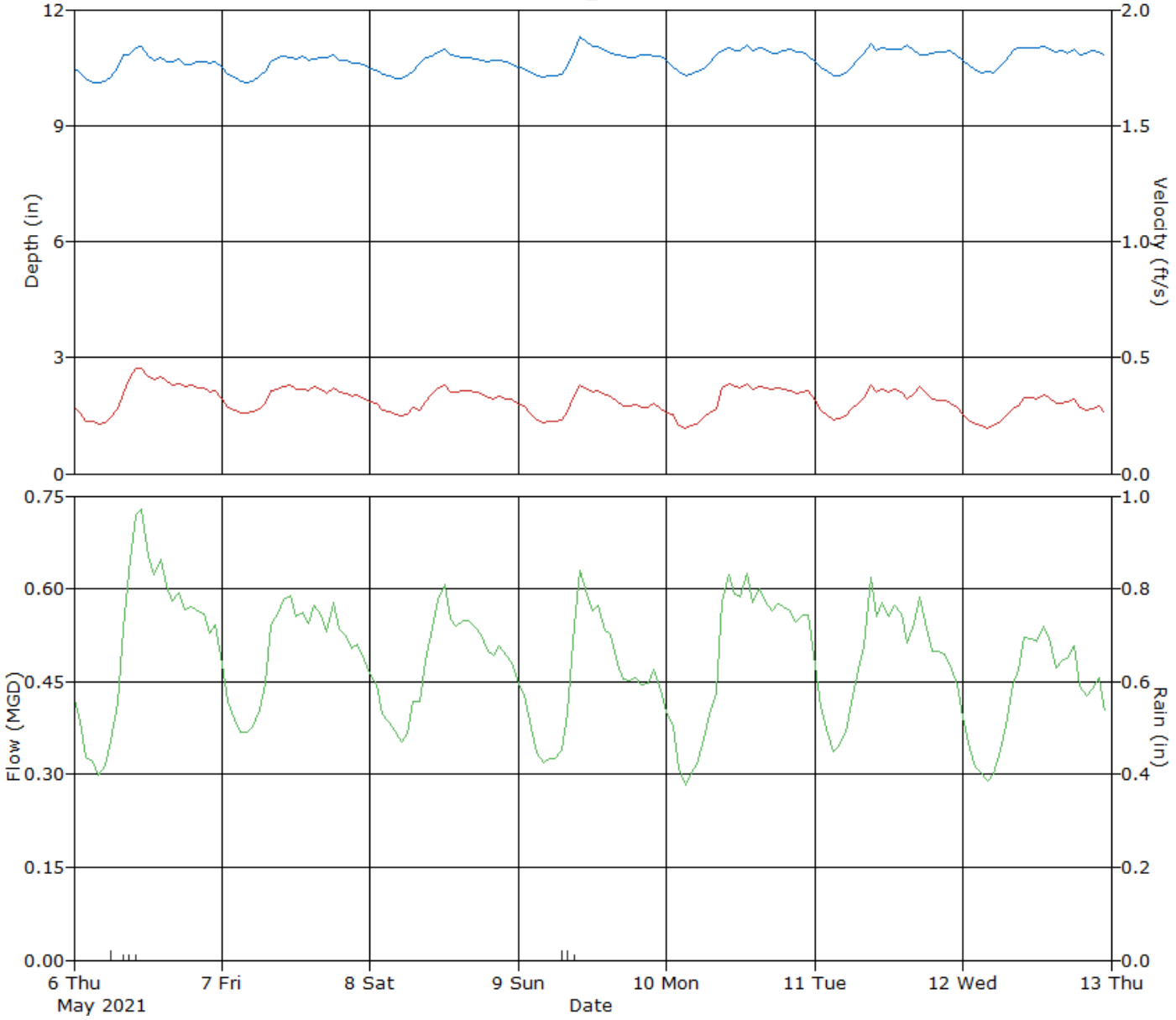


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



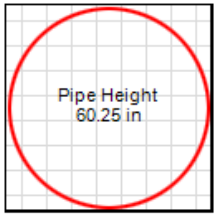
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

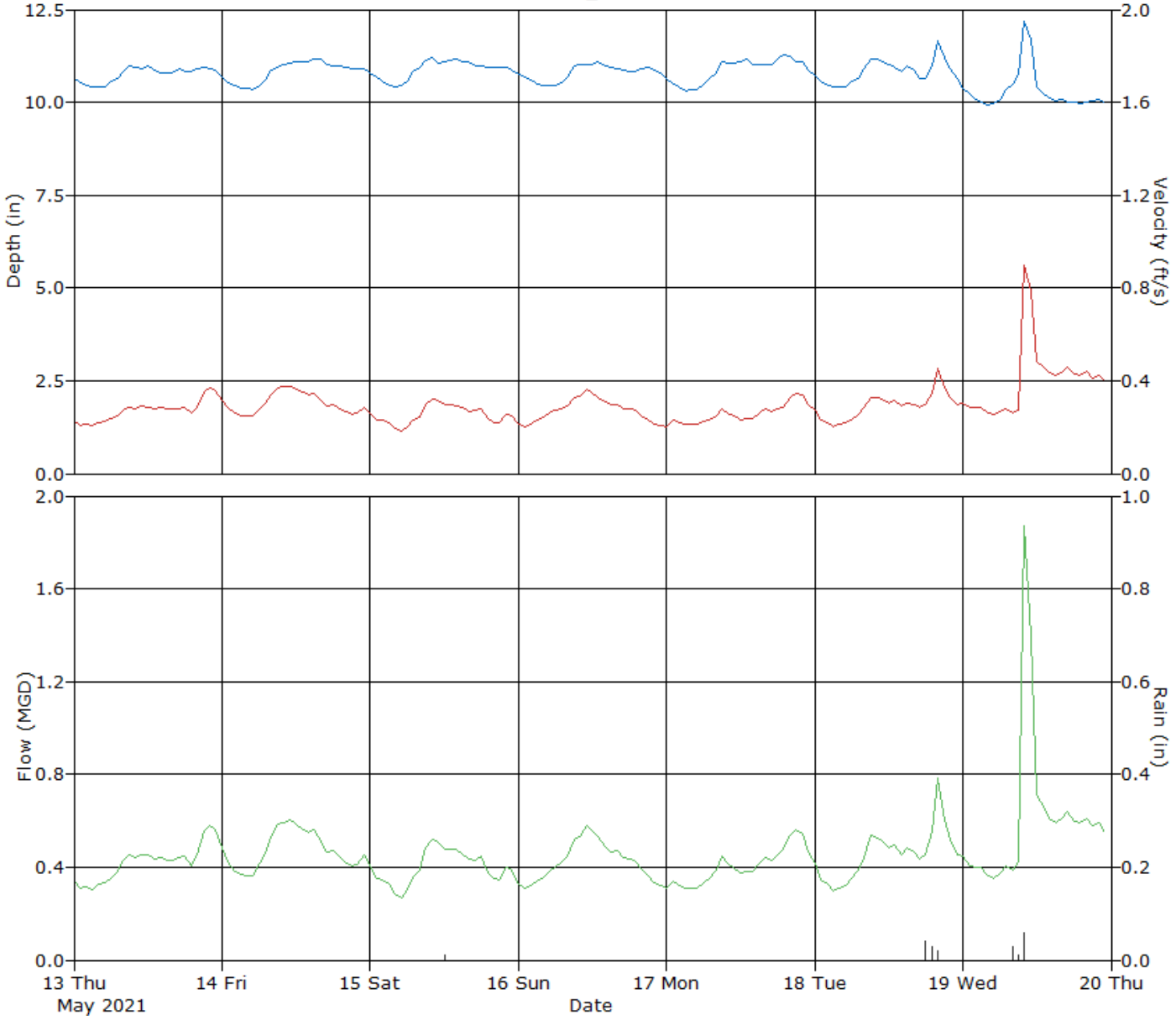


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



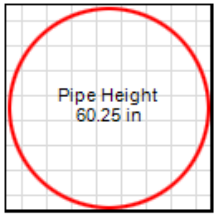
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

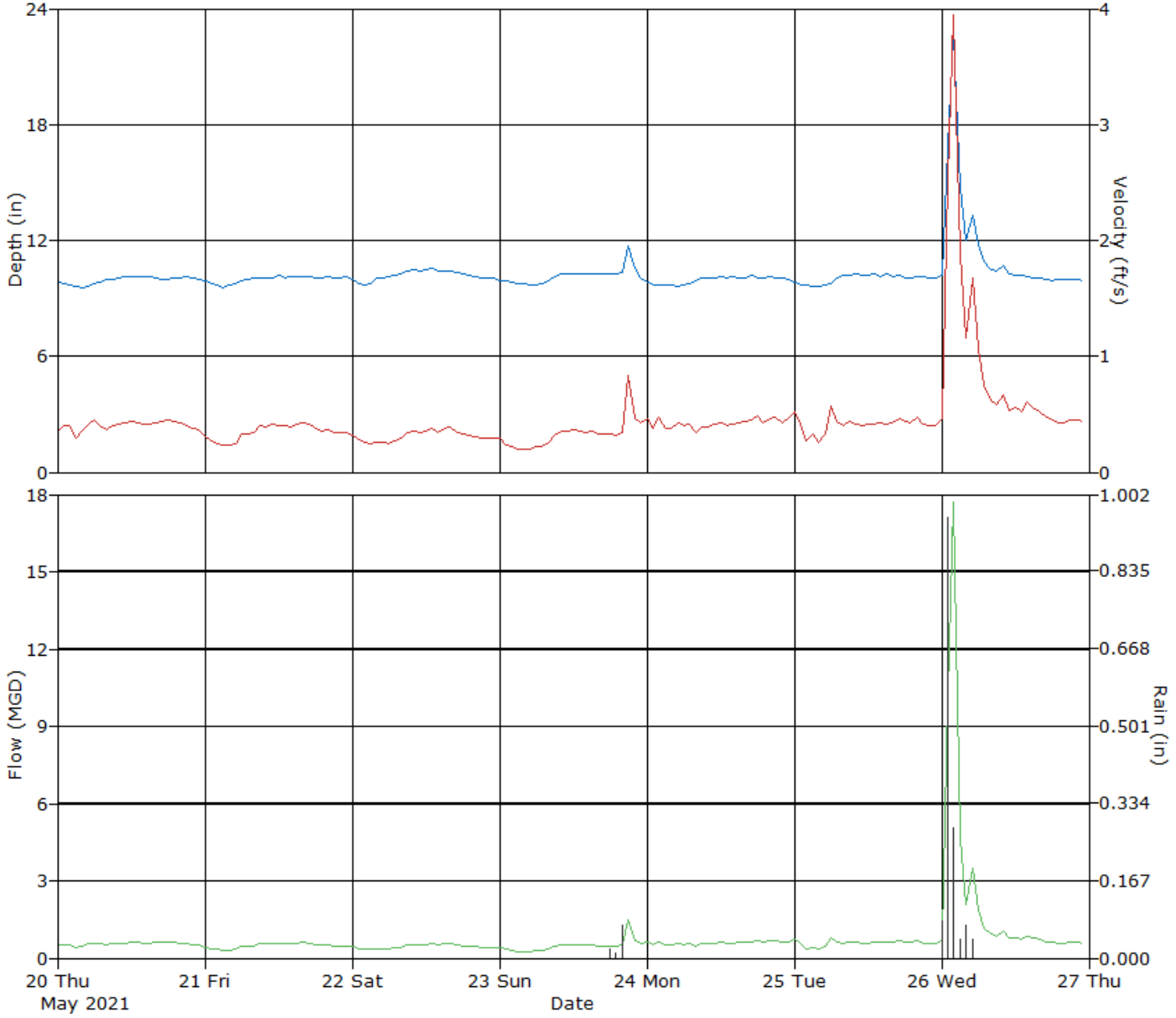


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



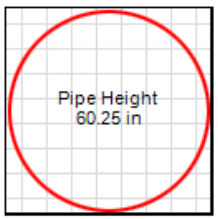
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

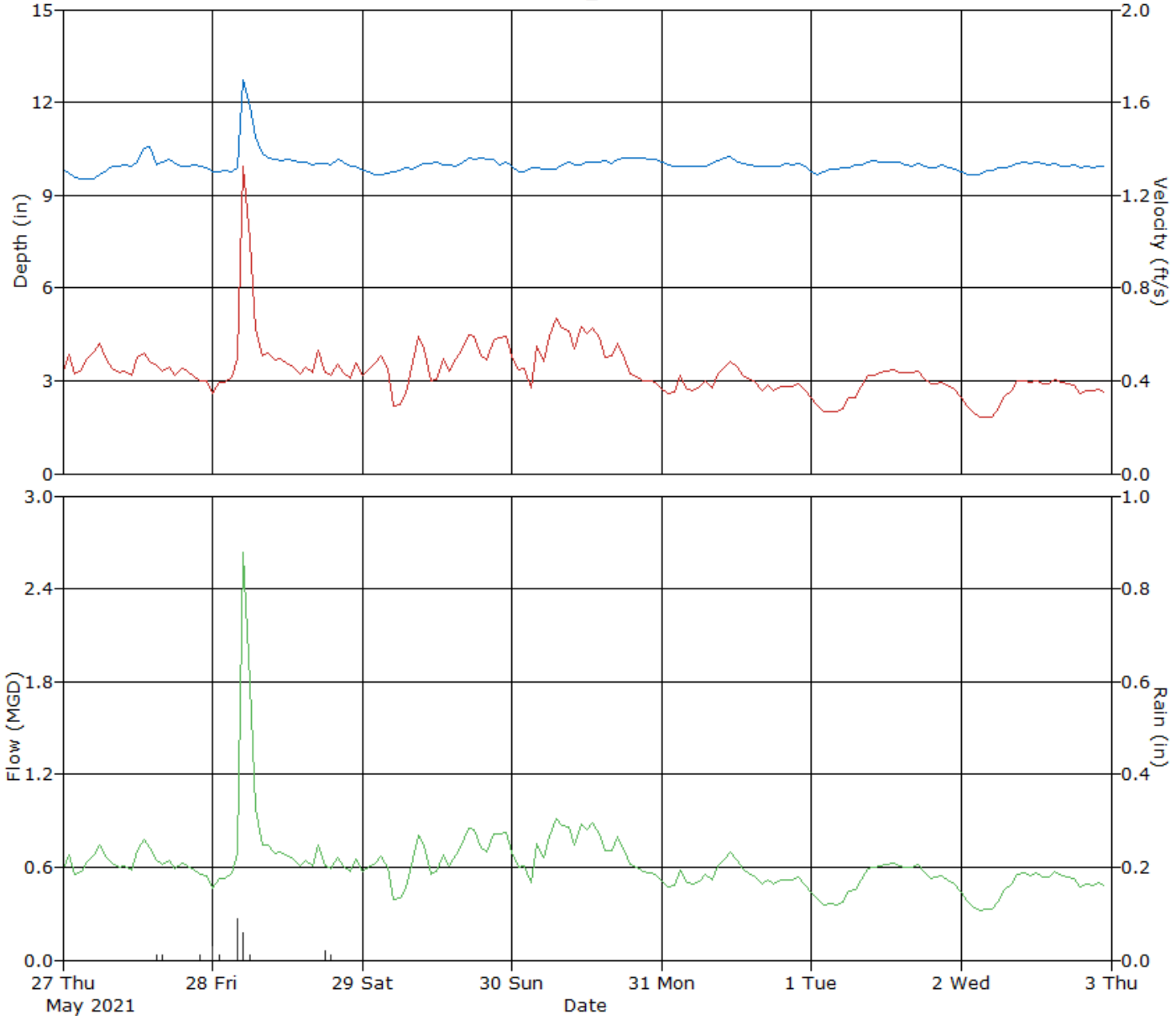


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



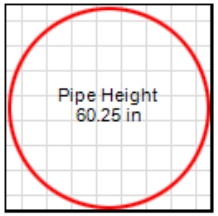
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

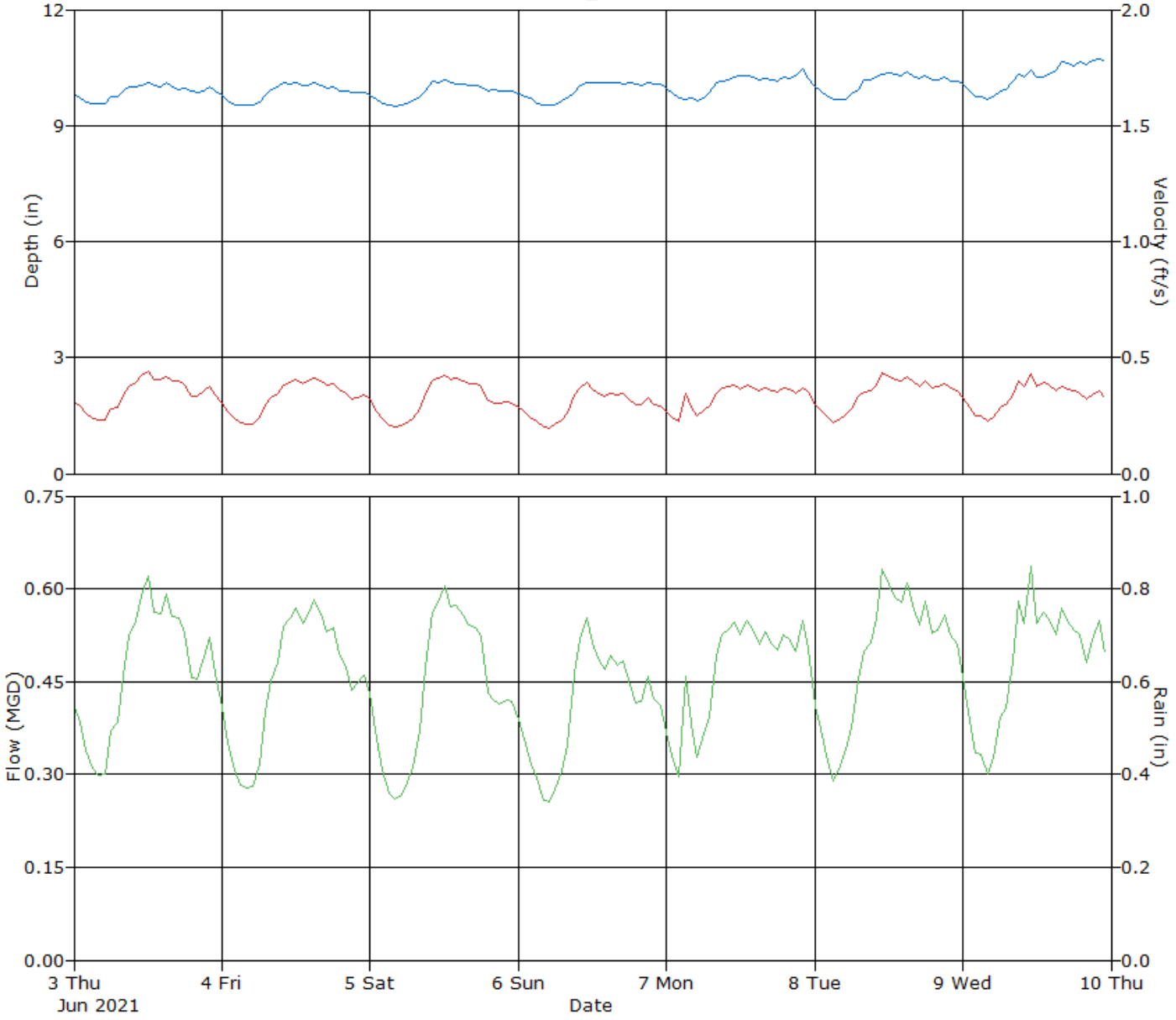


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



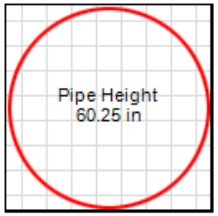
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

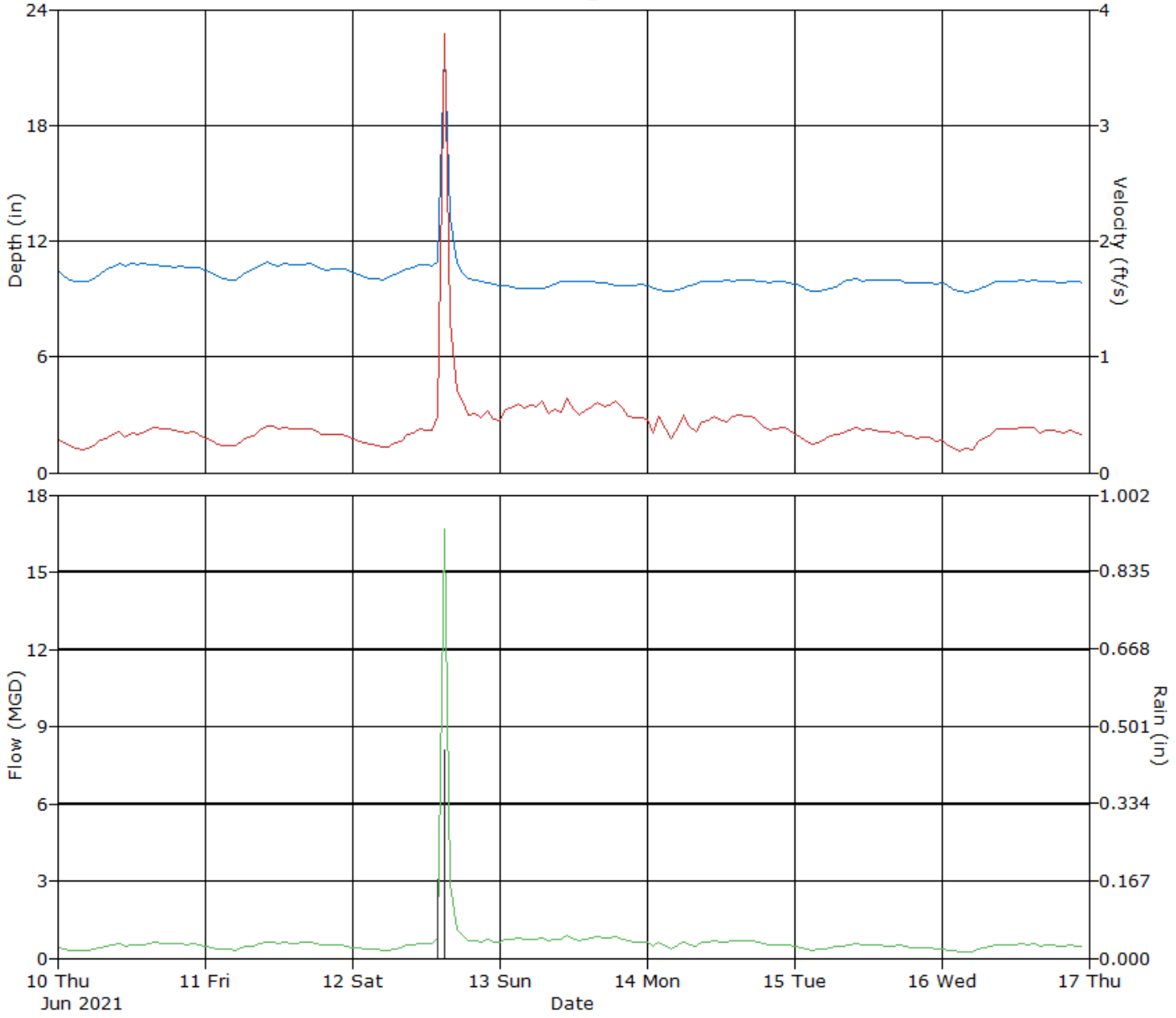


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



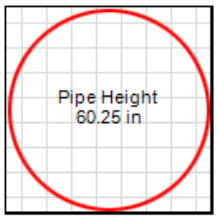
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

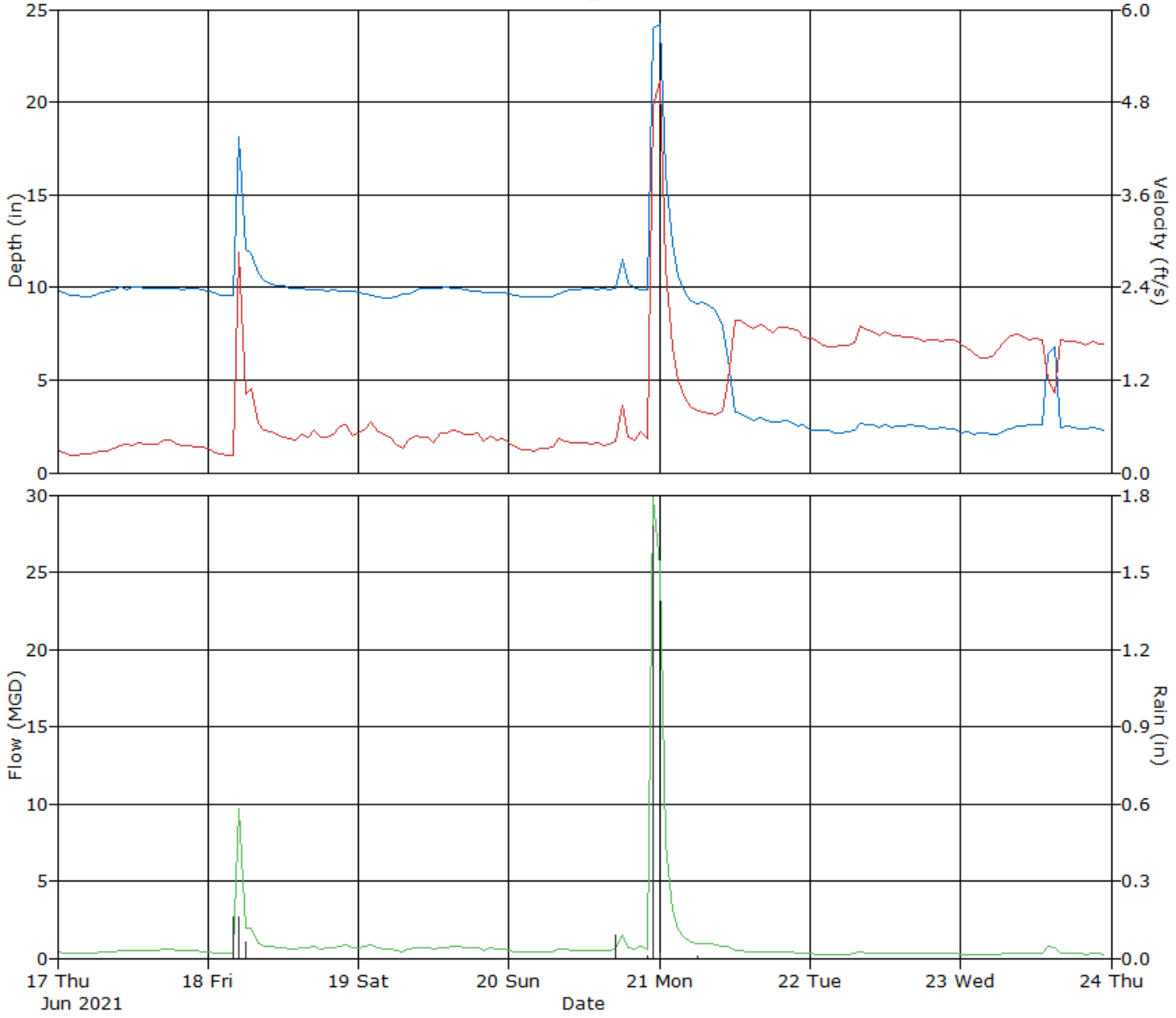


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



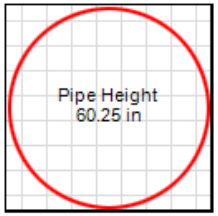
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

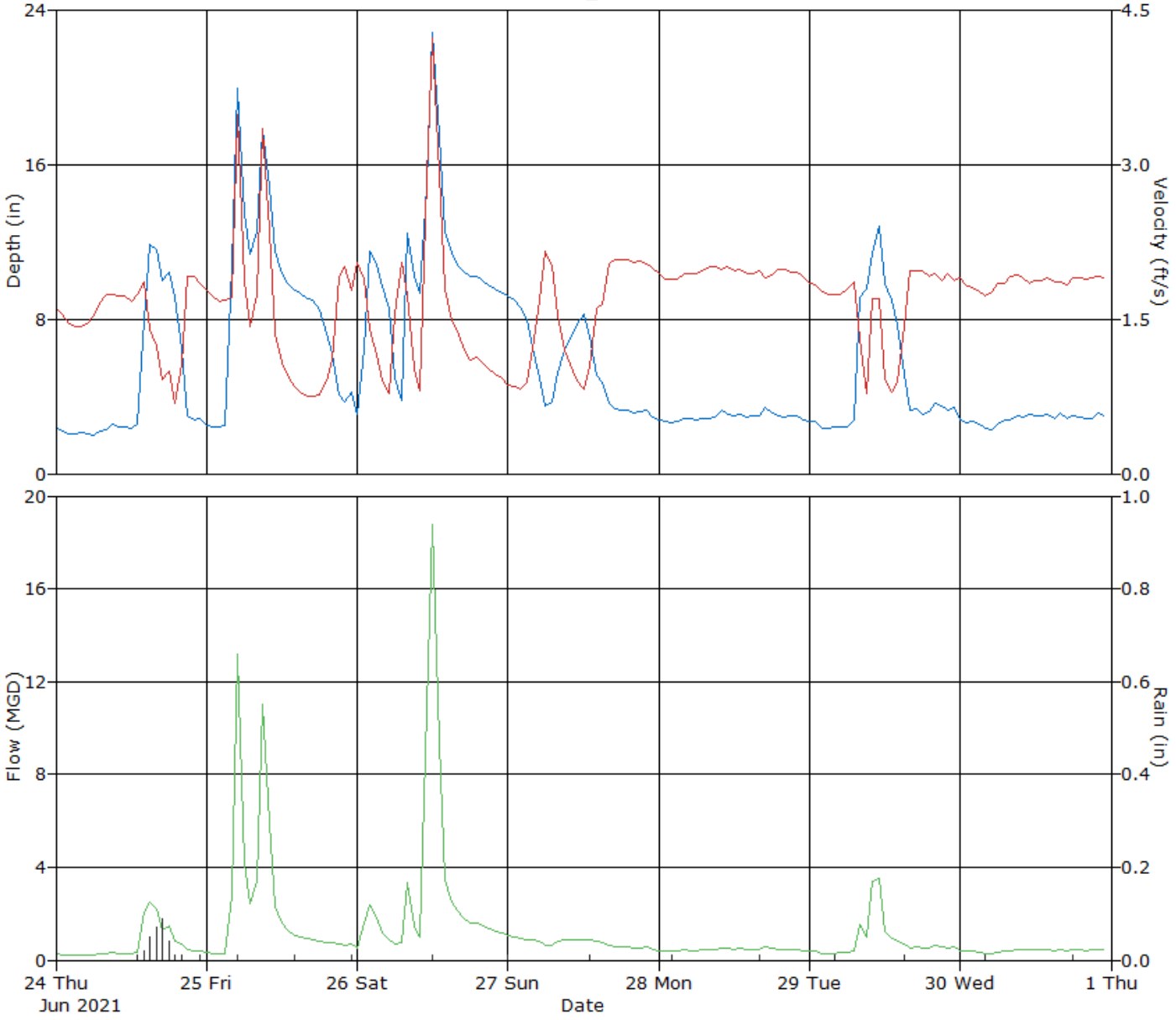


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



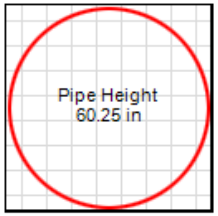
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

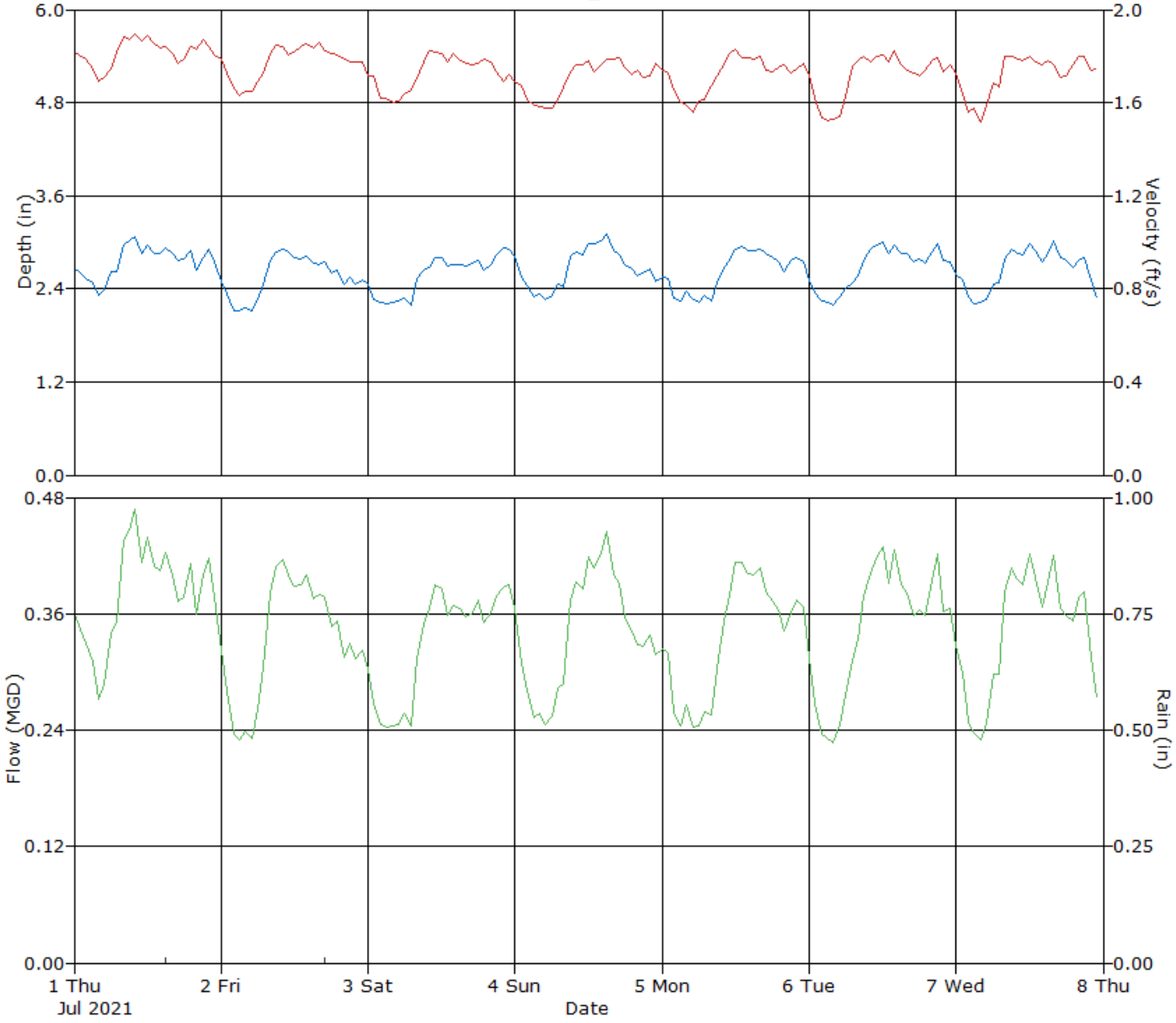


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



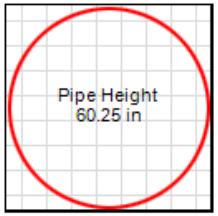
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000



Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



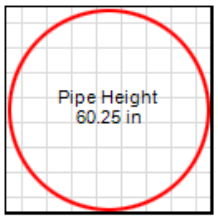
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

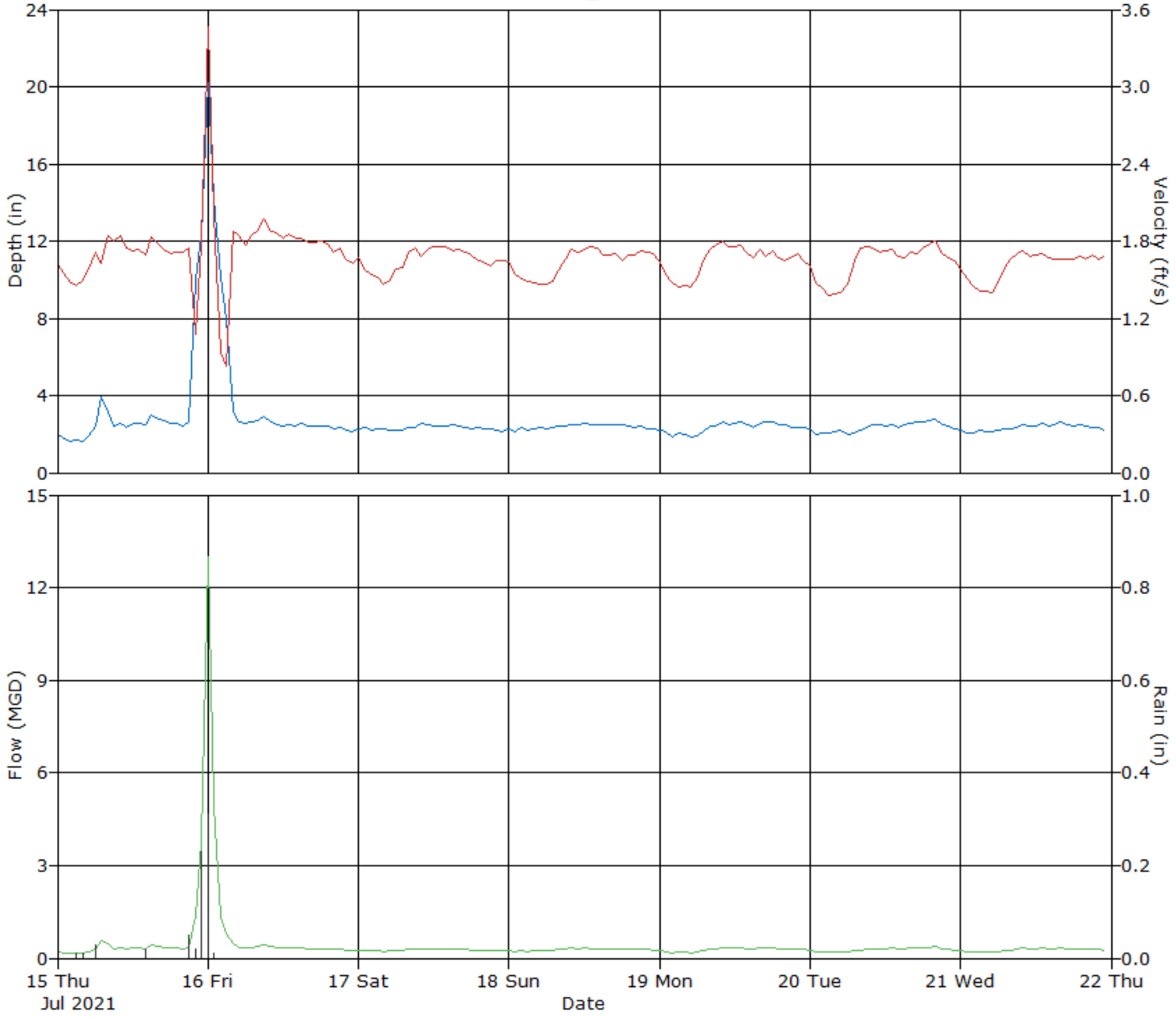


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



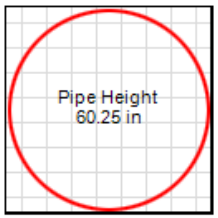
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000



Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



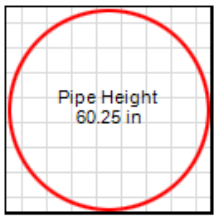
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

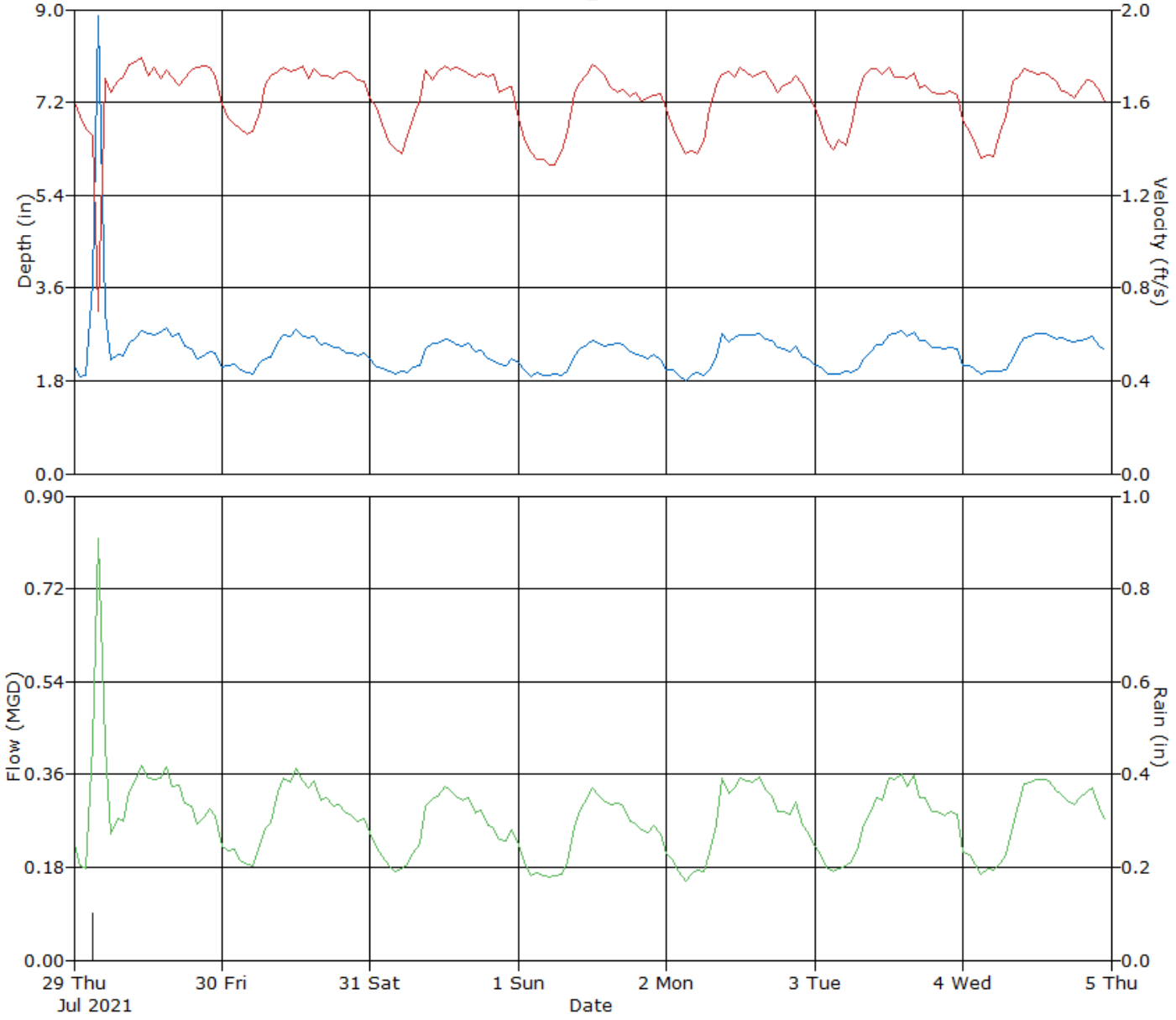


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

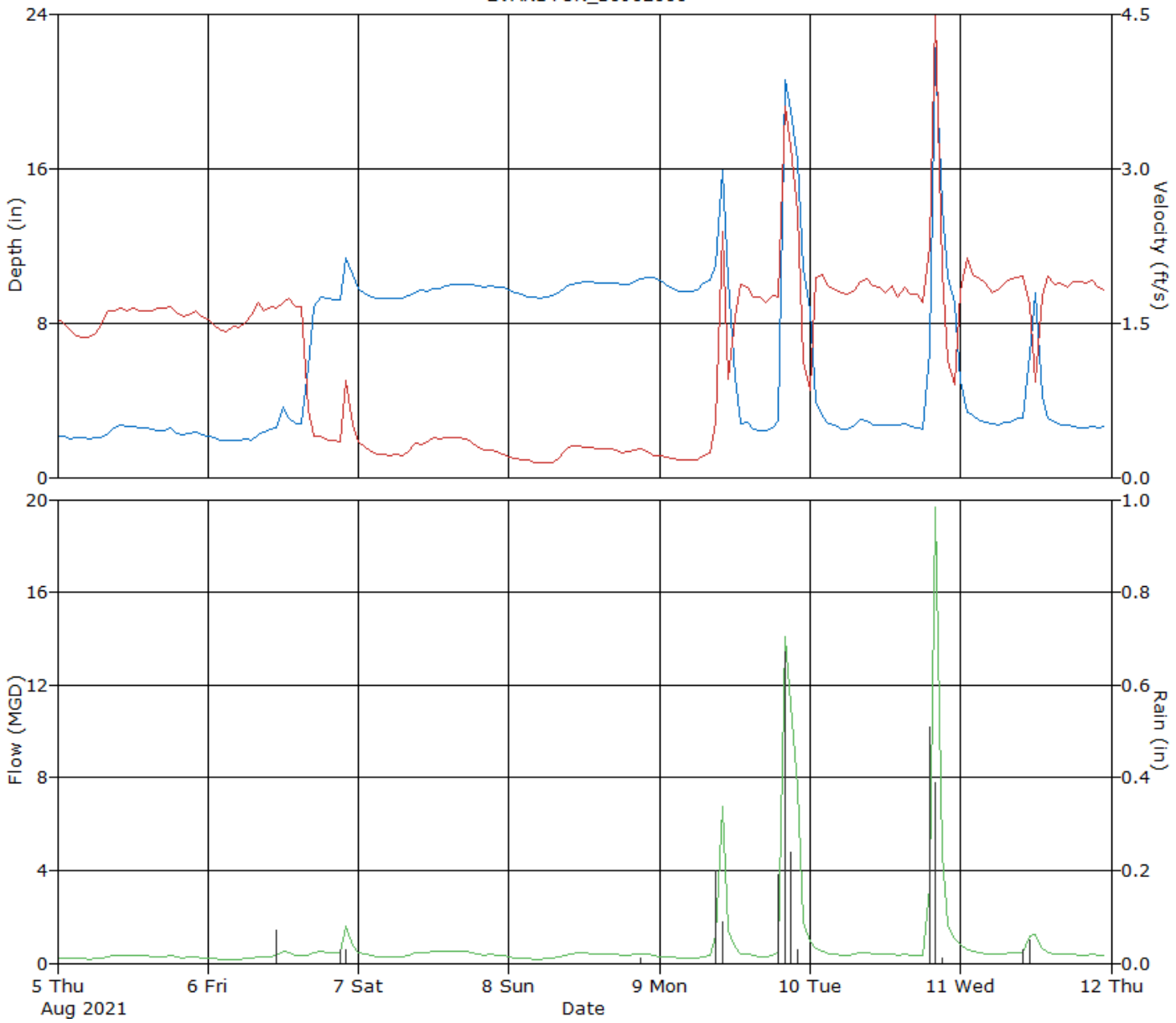
Pipe Height
60.25 in

Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



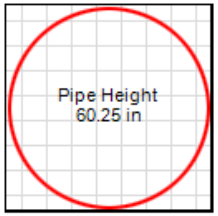
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

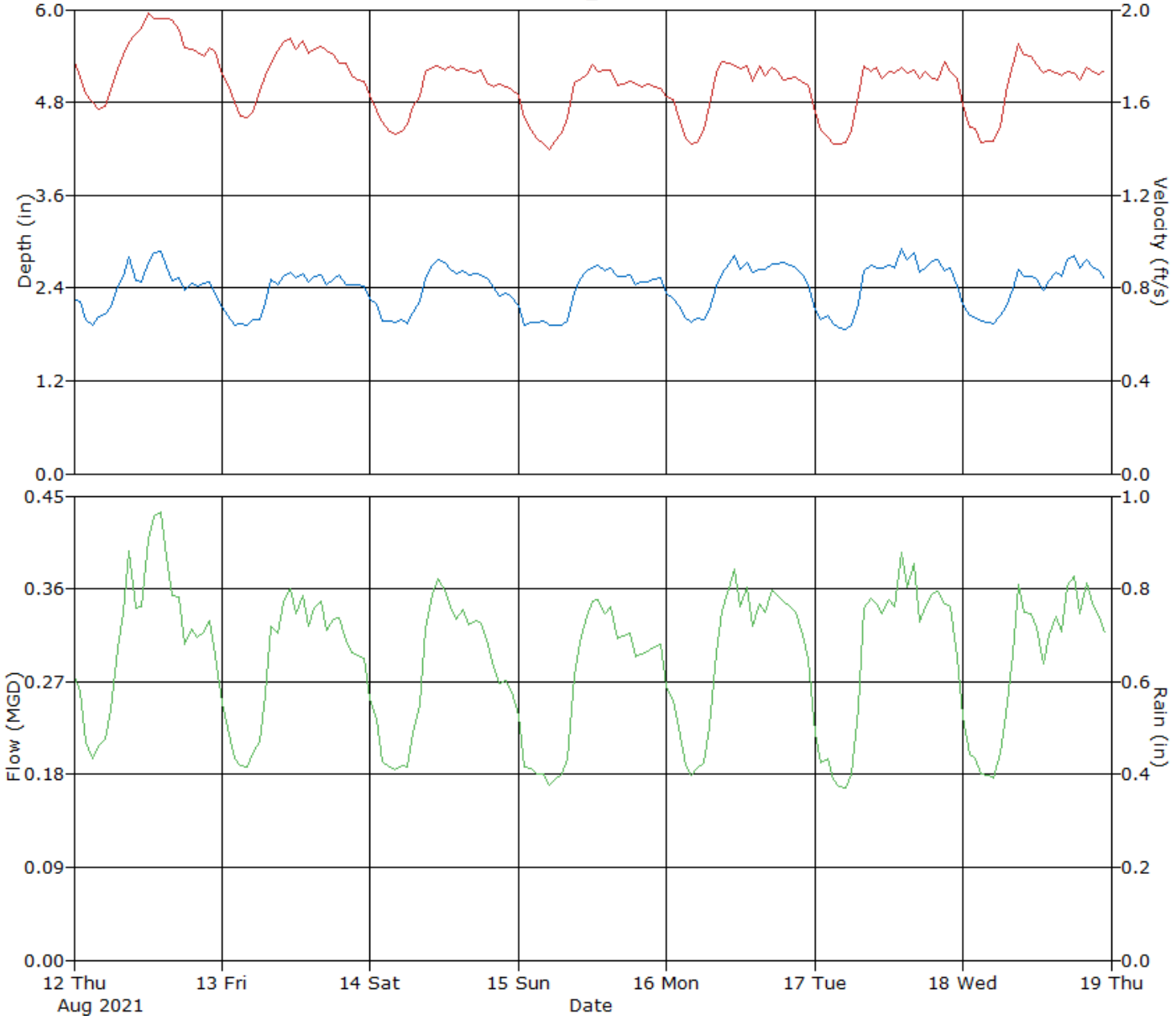


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



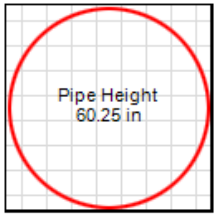
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

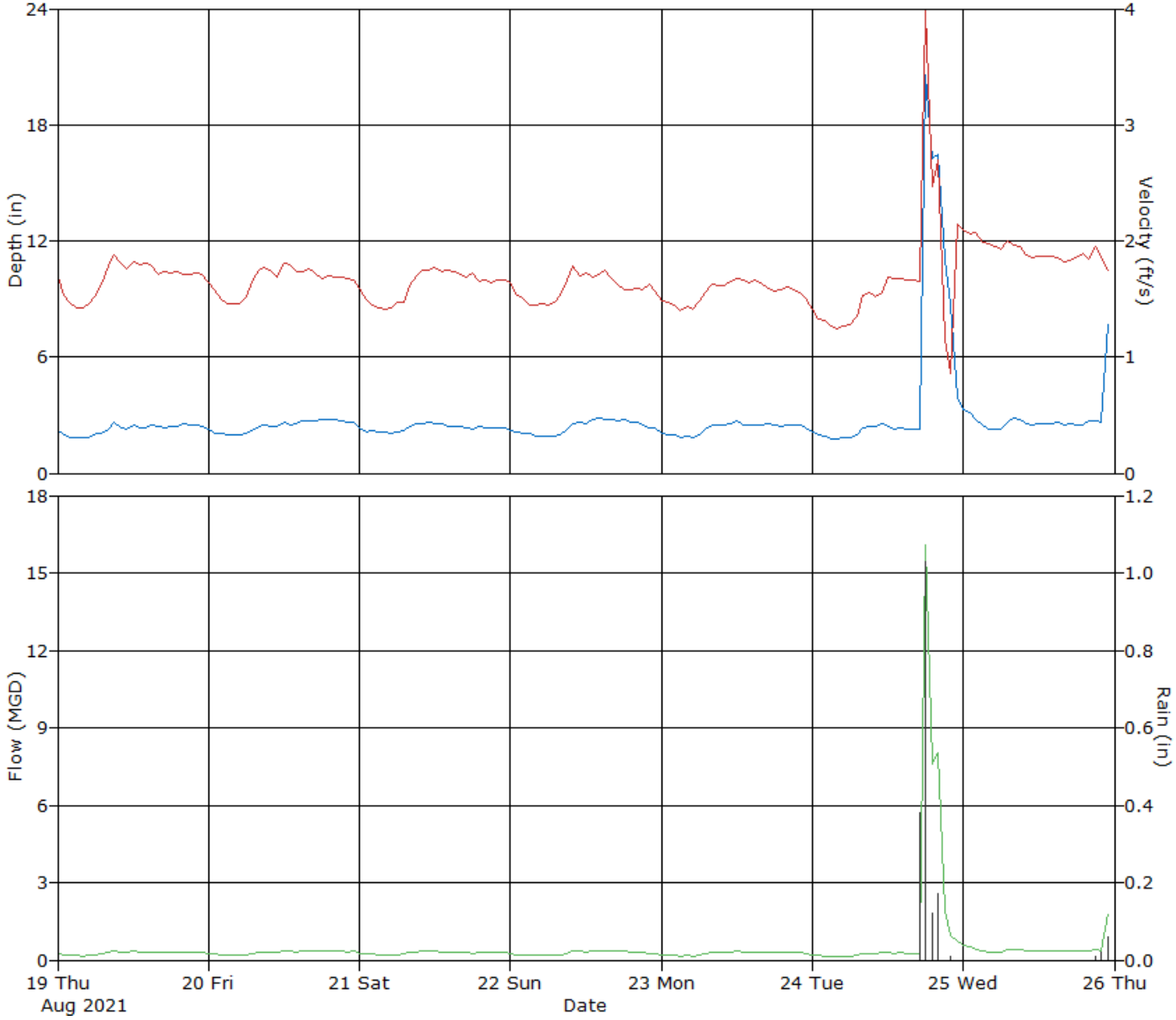


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



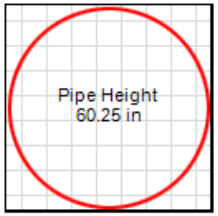
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B0902000

Flow Monitor

EVANSTON_B0902000

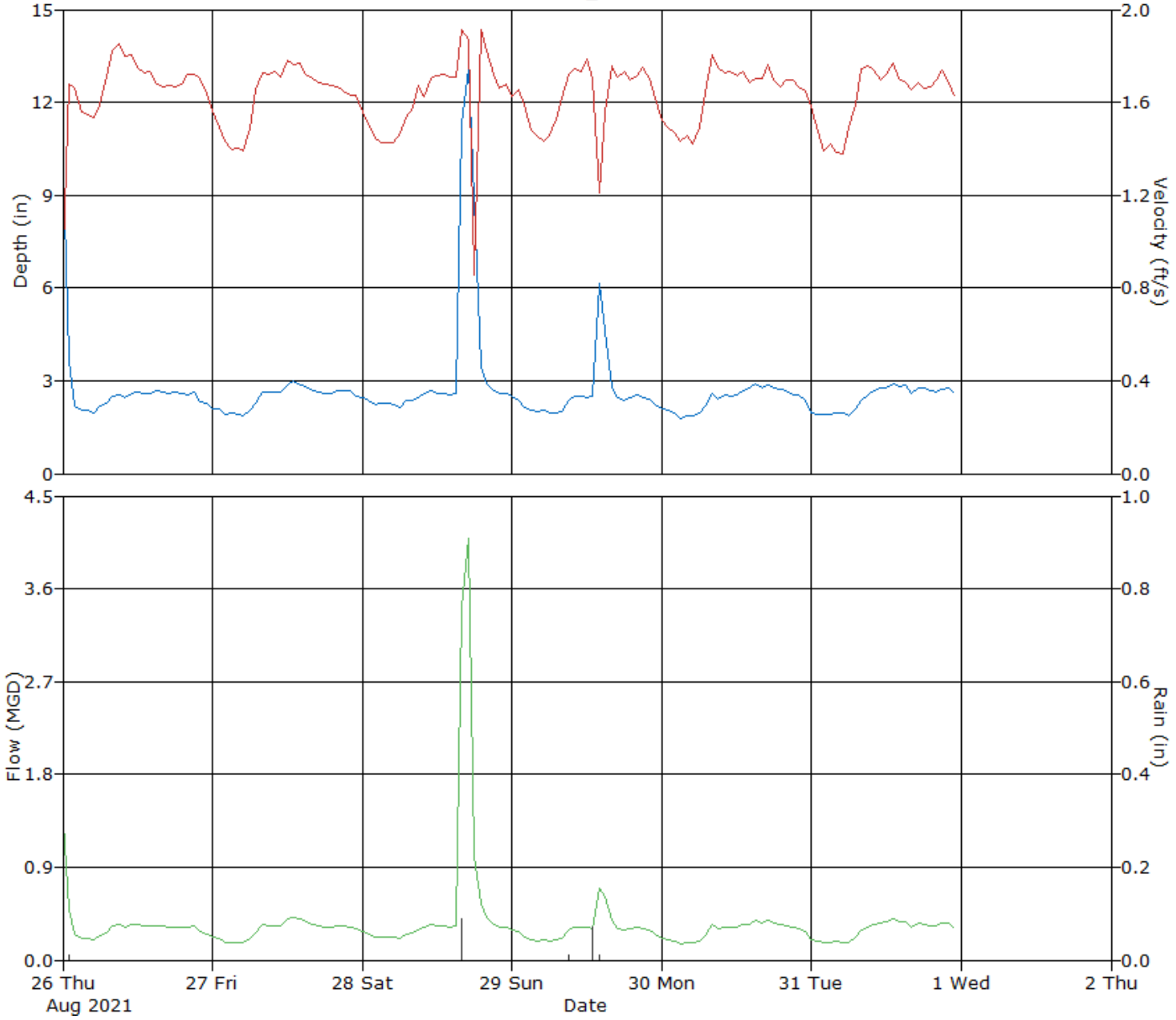


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B0902000, Pipe Height: 60.25 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021	23:55	10.25	16:00	17.01	11.62	23:55	0.44	15:55	3.06	0.90	23:55	0.634	15:55	8.904	1.714	146415	0.22
04/09/2021	05:20	9.99	11:45	10.37	10.17	06:40	0.35	11:15	0.61	0.45	06:40	0.492	11:15	0.885	0.639	85379	
04/10/2021	04:55	9.84	18:30	18.97	10.96	04:55	0.29	18:45	3.99	0.72	04:55	0.398	18:45	13.723	1.397	186741	0.58
04/11/2021	06:05	10.13	00:00	10.51	10.34	04:35	0.42	13:00	0.69	0.53	04:35	0.589	13:00	1.013	0.773	103275	
04/12/2021	05:15	10.23	19:35	10.69	10.50	01:20	0.37	16:00	0.69	0.50	05:25	0.532	16:00	1.028	0.739	98808	0.02
04/13/2021	06:05	10.29	15:30	10.74	10.53	03:40	0.36	07:15	0.59	0.46	03:40	0.517	07:15	0.877	0.686	91743	
04/14/2021	05:05	10.21	20:35	10.71	10.51	00:55	0.35	10:35	0.57	0.45	06:40	0.506	10:35	0.863	0.665	88936	
04/15/2021	05:25	10.20	13:55	10.70	10.48	01:20	0.36	04:05	0.69	0.47	01:20	0.528	04:05	0.988	0.702	93835	
04/16/2021	04:40	10.16	15:40	10.69	10.47	01:55	0.35	05:45	0.59	0.45	01:55	0.506	05:45	0.838	0.666	89002	
04/17/2021	05:20	10.08	11:15	10.73	10.44	11:50	0.35	04:55	0.61	0.47	03:15	0.504	10:40	0.861	0.696	92998	
04/18/2021	04:15	10.08	11:40	10.65	10.40	03:25	0.34	05:55	0.64	0.47	03:25	0.482	12:25	0.933	0.692	92452	
04/19/2021	04:05	10.10	10:55	10.66	10.45	01:05	0.34	06:10	0.56	0.44	01:05	0.498	13:05	0.834	0.653	87322	
04/20/2021	04:45	10.08	14:00	10.70	10.43	02:10	0.31	10:45	0.46	0.39	02:15	0.443	10:45	0.691	0.575	76909	
04/21/2021	05:45	10.09	21:20	10.65	10.44	02:55	0.27	00:00	0.42	0.36	02:55	0.388	11:20	0.636	0.536	71656	0.02
04/22/2021	03:35	10.09	16:00	10.69	10.42	04:30	0.27	10:15	0.43	0.35	04:30	0.375	15:50	0.656	0.524	70046	
04/23/2021	04:30	10.10	11:40	10.69	10.42	05:05	0.25	11:40	0.44	0.35	05:05	0.352	11:40	0.669	0.517	69094	
04/24/2021	06:30	10.08	12:05	10.80	10.40	05:00	0.23	11:35	0.42	0.32	05:00	0.327	11:35	0.654	0.470	62786	
04/25/2021	07:05	10.09	11:15	10.69	10.42	05:35	0.22	14:15	0.41	0.32	05:35	0.311	14:15	0.621	0.477	63722	
04/26/2021	03:50	10.11	09:05	11.14	10.71	03:55	0.24	09:40	0.58	0.33	03:55	0.333	09:40	0.934	0.505	67443	
04/27/2021	04:20	10.44	21:00	11.31	10.93	03:30	0.18	15:30	0.44	0.30	03:30	0.268	15:30	0.713	0.470	62783	
04/28/2021	03:30	10.48	11:05	11.68	10.84	05:00	0.20	12:40	0.41	0.28	05:00	0.295	12:40	0.638	0.443	59223	0.03
04/29/2021	03:30	10.37	08:55	11.64	10.70	05:10	0.18	09:25	0.63	0.35	05:10	0.266	09:25	1.065	0.545	72826	0.07
04/30/2021	06:25	10.29	09:15	10.78	10.55	23:30	0.22	11:00	0.41	0.32	23:30	0.330	11:00	0.637	0.481	64269	
05/01/2021	02:50	10.18	13:45	11.43	10.82	04:30	0.16	11:40	0.34	0.25	04:30	0.235	11:40	0.564	0.392	52392	
05/02/2021	04:25	10.47	11:35	11.31	10.94	00:25	0.20	10:20	0.34	0.25	00:25	0.315	10:20	0.559	0.391	52236	
05/03/2021	23:55	10.12	20:50	11.97	10.89	18:55	0.21	21:10	0.64	0.27	18:55	0.325	20:55	1.139	0.417	55811	0.11
05/04/2021	05:05	9.72	11:20	10.34	10.07	05:00	0.27	11:15	0.40	0.33	05:00	0.354	11:15	0.582	0.470	62805	0.01
05/05/2021	04:50	10.04	13:05	10.84	10.49	02:55	0.21	21:55	0.36	0.29	03:50	0.299	21:55	0.564	0.436	58322	
05/06/2021	04:45	10.10	11:00	11.08	10.58	04:30	0.20	09:35	0.49	0.34	04:30	0.281	10:55	0.777	0.520	69492	0.05
05/07/2021	04:15	10.12	10:50	10.89	10.57	03:00	0.26	10:50	0.41	0.33	04:15	0.366	10:50	0.636	0.499	66734	
05/08/2021	05:00	10.17	12:15	11.05	10.60	04:50	0.24	12:15	0.40	0.32	04:50	0.342	12:15	0.635	0.481	64293	
05/09/2021	04:00	10.25	10:20	11.32	10.70	04:25	0.22	10:20	0.39	0.29	04:20	0.312	10:20	0.644	0.454	60661	0.05
05/10/2021	03:50	10.28	13:15	11.14	10.77	02:50	0.17	13:10	0.40	0.32	02:50	0.253	13:10	0.654	0.495	66138	
05/11/2021	03:55	10.28	15:55	11.22	10.78	03:30	0.23	17:30	0.40	0.31	03:30	0.328	09:25	0.643	0.489	65354	
05/12/2021	05:25	10.32	09:45	11.15	10.79	03:35	0.19	13:05	0.35	0.28	03:35	0.278	13:05	0.570	0.429	57378	
05/13/2021	03:55	10.38	12:05	11.03	10.76	01:20	0.20	22:15	0.38	0.27	03:40	0.293	22:15	0.592	0.419	56070	
05/14/2021	05:25	10.31	16:00	11.31	10.83	22:35	0.24	09:35	0.40	0.30	05:25	0.354	10:50	0.633	0.476	63578	
05/15/2021	05:20	10.42	10:10	11.32	10.89	05:20	0.17	10:30	0.33	0.25	05:20	0.250	10:30	0.539	0.401	53543	0.01
05/16/2021	05:35	10.43	09:40	11.16	10.79	01:50	0.19	12:05	0.38	0.27	01:50	0.292	12:05	0.601	0.423	56570	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	04:00	10.27	20:05	11.34	10.86	04:45	0.19	21:20	0.36	0.26	04:55	0.276	22:05	0.578	0.404	54026	
05/18/2021	04:10	10.41	20:05	11.77	10.83	03:50	0.19	20:30	0.48	0.29	03:50	0.286	20:20	0.833	0.457	61107	0.09
05/19/2021	23:40	9.92	10:40	14.19	10.30	08:25	0.24	10:35	1.80	0.40	05:00	0.329	10:40	4.082	0.607	81138	0.10
05/20/2021	04:55	9.54	12:00	10.22	9.94	03:55	0.27	06:40	0.59	0.41	03:55	0.356	06:40	0.793	0.558	74644	
05/21/2021	03:20	9.56	12:20	10.22	9.99	04:25	0.23	16:45	0.46	0.35	04:00	0.300	16:45	0.648	0.483	64518	
05/22/2021	02:40	9.69	13:30	10.63	10.19	03:30	0.23	15:55	0.54	0.31	03:30	0.310	15:55	0.795	0.448	59935	
05/23/2021	06:15	9.70	21:10	12.23	10.15	03:25	0.18	21:15	0.98	0.33	03:25	0.239	21:15	1.811	0.475	63538	0.10
05/24/2021	05:20	9.61	17:40	10.29	9.95	04:35	0.30	18:30	0.64	0.42	05:05	0.402	18:30	0.884	0.582	77868	
05/25/2021	03:55	9.58	13:10	10.34	10.02	04:05	0.25	06:30	0.72	0.41	04:05	0.331	06:30	0.957	0.575	76925	
05/26/2021	18:25	9.86	01:55	26.73	11.45	00:05	0.38	01:55	5.24	0.91	00:05	0.524	01:55	28.619	2.238	299219	1.46
05/27/2021	03:50	9.51	14:15	10.85	9.92	23:55	0.35	06:45	0.69	0.46	02:50	0.454	06:45	0.922	0.631	84397	0.03
05/28/2021	04:20	9.67	05:20	13.52	10.24	00:20	0.32	05:15	1.67	0.52	00:20	0.429	05:15	3.535	0.777	103929	0.23
05/29/2021	03:15	9.59	17:15	10.24	9.95	11:10	0.24	18:25	0.79	0.48	11:10	0.340	18:25	1.123	0.664	88793	
05/30/2021	02:10	9.62	21:00	10.22	10.02	03:35	0.28	07:40	0.78	0.52	03:35	0.388	12:55	1.072	0.719	96116	
05/31/2021	23:55	9.81	11:15	10.31	9.99	06:15	0.29	10:50	0.53	0.39	06:15	0.399	10:50	0.758	0.541	72372	
06/01/2021	01:45	9.61	14:00	10.18	9.93	04:30	0.25	14:00	0.47	0.37	04:30	0.343	14:00	0.672	0.515	68781	
06/02/2021	02:20	9.60	12:45	10.14	9.91	04:00	0.24	10:05	0.43	0.34	03:50	0.317	10:05	0.604	0.473	63254	
06/03/2021	03:50	9.54	12:15	10.16	9.87	05:10	0.23	12:10	0.47	0.34	05:10	0.294	12:10	0.666	0.470	62770	
06/04/2021	04:30	9.52	12:50	10.18	9.86	05:00	0.21	15:25	0.43	0.33	05:00	0.273	15:30	0.615	0.452	60394	
06/05/2021	04:15	9.50	10:30	10.30	9.86	03:50	0.20	12:05	0.47	0.32	03:50	0.252	12:05	0.676	0.437	58395	
06/06/2021	05:15	9.51	21:40	10.18	9.91	05:20	0.19	11:15	0.40	0.30	05:20	0.249	11:15	0.565	0.409	54729	
06/07/2021	05:25	9.62	22:25	10.54	10.07	02:15	0.22	03:40	0.44	0.33	02:15	0.292	22:45	0.587	0.470	62780	
06/08/2021	04:55	9.66	15:05	10.47	10.10	04:25	0.21	11:40	0.47	0.35	04:25	0.282	11:40	0.698	0.491	65663	
06/09/2021	04:10	9.67	16:35	10.75	10.26	05:10	0.22	11:15	0.46	0.33	05:10	0.294	11:20	0.686	0.483	64524	
06/10/2021	03:55	9.92	10:15	10.95	10.51	04:55	0.20	16:35	0.40	0.31	04:55	0.271	16:35	0.634	0.468	62592	
06/11/2021	05:15	9.97	10:45	11.09	10.53	05:20	0.22	10:35	0.44	0.33	05:20	0.311	10:35	0.694	0.496	66305	
06/12/2021	23:55	9.78	15:15	26.11	10.92	04:55	0.22	15:15	5.03	0.56	05:15	0.306	15:15	26.604	1.324	176943	0.62
06/13/2021	05:50	9.52	12:20	9.95	9.74	23:55	0.40	11:35	0.77	0.55	23:55	0.535	11:35	1.052	0.736	98397	
06/14/2021	03:45	9.40	16:50	10.06	9.78	04:40	0.28	15:15	0.62	0.43	04:40	0.359	15:15	0.868	0.574	76686	
06/15/2021	03:50	9.40	12:50	10.10	9.79	03:35	0.23	12:50	0.42	0.32	03:35	0.297	12:50	0.591	0.439	58658	
06/16/2021	05:10	9.34	15:25	10.08	9.77	02:50	0.17	15:15	0.42	0.32	04:00	0.210	15:25	0.594	0.434	58032	
06/17/2021	04:45	9.47	13:50	10.08	9.83	03:55	0.22	17:30	0.45	0.32	03:55	0.284	17:30	0.628	0.441	58890	
06/18/2021	03:25	9.52	05:15	21.05	10.43	03:40	0.21	05:10	3.89	0.60	03:40	0.278	05:10	15.432	1.105	147683	0.38
06/19/2021	05:20	9.41	11:50	10.06	9.75	07:55	0.26	08:45	0.71	0.48	07:55	0.336	08:45	0.949	0.639	85483	
06/20/2021	04:55	9.45	23:50	32.85	10.42	07:05	0.26	23:50	7.15	0.58	07:05	0.341	23:50	50.774	1.773	237041	1.78
06/21/2021	22:15	2.37	00:00	30.54	6.94	07:45	0.66	00:00	6.80	1.67	22:15	0.302	00:00	44.117	2.095	280078	0.03
06/22/2021	04:45	2.06	08:50	2.79	2.41	03:30	1.61	09:00	1.93	1.73	04:45	0.221	08:45	0.407	0.298	39889	
06/23/2021	06:05	1.93	14:50	9.11	2.70	15:20	0.69	14:15	1.90	1.62	04:15	0.196	14:35	0.971	0.311	41614	
06/24/2021	06:30	1.91	14:45	13.34	4.48	20:00	0.63	14:40	2.05	1.51	03:35	0.182	14:40	4.231	0.659	88091	0.31
06/25/2021	01:10	2.23	05:20	22.38	8.87	17:05	0.73	05:20	4.24	1.57	01:10	0.267	05:20	18.287	2.395	320209	0.03
06/26/2021	01:20	2.77	11:45	24.57	10.41	11:00	0.74	11:50	6.56	1.56	01:20	0.411	11:50	31.169	3.033	405448	0.01
06/27/2021	23:55	2.82	00:00	9.26	5.46	02:15	0.81	06:40	2.22	1.53	23:55	0.430	00:00	1.099	0.750	100227	0.02
06/28/2021	03:15	2.57	17:45	3.81	2.93	17:45	1.75	10:00	2.09	1.95	03:15	0.350	10:10	0.592	0.447	59734	0.02
06/29/2021	02:35	2.24	10:55	14.97	5.05	09:50	0.69	10:45	2.77	1.64	02:35	0.271	10:50	6.730	0.836	111736	0.02
06/30/2021	04:25	2.20	16:20	3.30	2.84	04:50	1.71	08:55	1.96	1.86	04:25	0.258	12:50	0.522	0.408	54580	0.02
07/01/2021	04:45	2.15	10:45	3.34	2.76	04:15	1.68	10:40	1.97	1.82	04:45	0.246	10:45	0.544	0.381	50938	0.01
07/02/2021	02:45	2.04	10:10	2.97	2.55	03:40	1.59	16:30	1.89	1.77	02:45	0.221	10:10	0.428	0.333	44562	0.01
07/03/2021	07:10	2.14	22:35	2.99	2.58	02:35	1.59	11:20	1.85	1.73	07:15	0.237	11:45	0.411	0.329	44032	
07/04/2021	05:05	2.14	15:35	3.19	2.66	06:45	1.54	10:10	1.84	1.70	05:05	0.224	15:35	0.466	0.341	45571	
07/05/2021	08:30	2.15	12:35	3.05	2.62	05:10	1.55	12:35	1.86	1.72	05:00	0.233	12:35	0.451	0.335	44833	
07/06/2021	02:05	2.10	10:45	3.10	2.67	04:35	1.51	08:55	1.93	1.71	04:10	0.215	14:15	0.462	0.345	46129	
07/07/2021	02:50	2.09	16:25	3.09	2.65	04:35	1.50	10:10	1.86	1.72	02:50	0.215	16:35	0.442	0.341	45584	
07/08/2021	05:40	1.79	09:40	2.86	2.34	04:50	1.47	11:55	1.90	1.72	05:40	0.167	09:40	0.402	0.285	38121	
07/09/2021	06:05	1.75	16:45	2.84	2.31	04:20	1.49	08:55	1.87	1.71	06:05	0.170	16:45	0.398	0.280	37466	
07/10/2021	03:10	1.71	21:20	13.55	3.36	23:05	0.65	20:40	2.67	1.62	03:10	0.151	21:15	4.470	0.485	64800	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	23:15	2.03	02:45	11.02	2.89	03:40	0.66	02:15	2.14	1.68	05:40	0.226	02:40	1.957	0.359	47936	
07/12/2021	03:20	1.79	21:45	9.09	2.77	21:55	0.63	21:05	2.14	1.67	03:20	0.158	21:35	0.841	0.341	45634	
07/13/2021	05:20	1.86	02:55	2.91	2.36	05:10	1.55	12:30	1.89	1.73	05:15	0.184	02:55	0.421	0.290	38713	
07/14/2021	02:35	1.70	12:50	2.74	2.20	04:40	1.39	20:25	1.80	1.65	05:25	0.147	12:45	0.367	0.250	33425	
07/15/2021	02:50	1.59	23:55	15.88	3.16	23:05	0.67	23:55	3.25	1.67	02:50	0.134	23:55	8.734	0.492	65722	0.37
07/16/2021	23:20	2.11	00:30	21.34	4.28	03:15	0.73	00:00	3.76	1.81	23:55	0.233	00:20	14.859	1.114	148977	0.32
07/17/2021	02:45	2.05	10:35	2.62	2.32	04:20	1.46	10:10	1.81	1.65	02:45	0.204	10:10	0.340	0.267	35723	
07/18/2021	01:15	1.97	12:05	2.66	2.38	04:50	1.44	21:25	1.82	1.63	01:15	0.197	12:05	0.342	0.275	36770	
07/19/2021	05:15	1.72	10:40	2.77	2.33	05:20	1.42	10:40	1.87	1.65	05:15	0.148	10:40	0.393	0.273	36513	
07/20/2021	06:55	1.89	20:15	2.87	2.36	03:30	1.37	08:55	1.91	1.64	02:30	0.176	20:15	0.402	0.275	36771	
07/21/2021	01:45	1.94	16:00	2.74	2.34	03:45	1.38	10:15	1.81	1.61	01:45	0.184	16:00	0.359	0.266	35498	
07/22/2021	02:50	1.71	14:50	2.84	2.31	02:50	1.39	14:40	1.86	1.62	02:50	0.143	14:50	0.397	0.264	35322	
07/23/2021	04:15	2.01	01:35	2.90	2.34	03:55	1.30	14:10	1.79	1.60	04:15	0.174	01:35	0.396	0.265	35377	0.01
07/24/2021	01:35	1.75	17:10	11.80	2.70	18:00	0.67	16:50	2.59	1.57	06:05	0.159	17:00	2.634	0.325	43400	0.08
07/25/2021	04:40	1.72	17:50	2.52	2.17	06:35	1.42	12:10	1.82	1.64	07:05	0.153	17:15	0.321	0.243	32530	
07/26/2021	06:00	1.75	22:55	3.31	2.38	04:50	1.41	22:45	1.91	1.65	06:00	0.156	22:45	0.514	0.283	37787	
07/27/2021	04:00	1.86	22:45	3.03	2.30	04:55	1.38	17:15	1.91	1.66	04:10	0.166	22:45	0.456	0.270	36090	
07/28/2021	05:50	1.70	16:55	3.02	2.28	04:50	1.43	09:15	1.93	1.66	05:40	0.148	16:55	0.433	0.267	35733	0.01
07/29/2021	01:15	1.76	04:25	9.45	2.78	04:30	0.65	03:35	2.04	1.65	03:00	0.160	04:20	0.907	0.329	43988	0.10
07/30/2021	05:10	1.84	12:10	2.88	2.36	04:55	1.43	08:55	1.83	1.66	05:10	0.166	12:10	0.395	0.280	37368	
07/31/2021	04:00	1.85	12:45	2.68	2.25	05:00	1.36	10:20	1.81	1.63	04:00	0.161	12:45	0.354	0.256	34277	
08/01/2021	02:20	1.80	12:35	2.66	2.24	04:50	1.29	12:10	1.82	1.57	02:30	0.151	12:25	0.344	0.244	32615	
08/02/2021	03:30	1.78	09:00	2.89	2.33	05:45	1.35	12:05	1.80	1.62	03:45	0.149	09:00	0.397	0.268	35884	
08/03/2021	02:45	1.87	14:15	2.89	2.35	03:30	1.38	12:30	1.81	1.62	02:55	0.165	14:15	0.390	0.272	36359	
08/04/2021	03:35	1.89	13:55	2.83	2.39	05:20	1.34	13:55	1.79	1.60	03:35	0.161	13:55	0.387	0.275	36775	
08/05/2021	05:00	1.96	10:40	2.84	2.32	05:15	1.34	10:35	1.69	1.55	05:00	0.171	10:40	0.365	0.253	33855	
08/06/2021	07:20	1.81	22:30	12.02	4.62	21:30	0.33	12:20	1.92	1.21	03:25	0.165	22:25	2.233	0.384	51393	0.13
08/07/2021	05:10	9.21	17:35	10.04	9.66	05:00	0.20	16:30	0.41	0.30	05:00	0.253	16:30	0.561	0.396	52963	
08/08/2021	05:15	9.27	23:05	10.36	9.85	06:55	0.13	11:20	0.31	0.23	06:55	0.163	11:55	0.438	0.314	42008	0.01
08/09/2021	19:35	2.25	21:00	22.78	9.00	05:05	0.15	20:55	4.66	1.25	05:05	0.199	20:55	20.544	2.063	275779	1.42
08/10/2021	05:30	2.35	20:20	24.52	5.04	00:30	0.80	20:10	6.19	1.86	18:45	0.291	20:10	29.075	1.599	213691	0.91
08/11/2021	22:15	2.41	11:50	10.68	3.40	12:50	0.82	00:40	2.25	1.84	22:15	0.313	11:45	2.055	0.504	67319	0.08
08/12/2021	02:55	1.87	14:25	3.00	2.42	04:45	1.55	12:05	2.02	1.81	02:55	0.189	14:25	0.463	0.316	42199	
08/13/2021	02:55	1.84	10:50	2.83	2.34	03:45	1.51	10:55	1.95	1.74	04:30	0.180	10:50	0.423	0.289	38679	
08/14/2021	07:05	1.85	11:55	2.94	2.36	04:40	1.45	09:55	1.85	1.65	07:05	0.178	12:00	0.402	0.278	37215	
08/15/2021	05:15	1.85	13:30	2.76	2.33	05:00	1.34	15:10	1.79	1.62	05:15	0.159	13:20	0.364	0.268	35793	
08/16/2021	04:50	1.92	11:00	2.88	2.47	04:10	1.40	11:05	1.83	1.66	04:50	0.174	11:05	0.407	0.298	39808	
08/17/2021	05:15	1.77	14:10	3.06	2.46	05:00	1.39	16:05	1.81	1.65	05:05	0.155	14:10	0.433	0.296	39612	
08/18/2021	05:10	1.89	17:55	2.98	2.41	05:05	1.41	09:35	1.88	1.67	05:05	0.167	17:50	0.424	0.289	38679	
08/19/2021	04:40	1.77	09:15	2.83	2.26	04:00	1.41	09:05	2.00	1.68	04:40	0.154	09:10	0.418	0.266	35611	
08/20/2021	03:05	1.90	21:00	2.89	2.43	05:05	1.44	13:05	1.91	1.66	03:05	0.177	12:55	0.382	0.292	39069	
08/21/2021	05:35	1.98	12:35	2.75	2.34	03:30	1.40	12:35	1.86	1.62	05:25	0.181	12:35	0.385	0.268	35873	
08/22/2021	06:50	1.82	14:05	2.90	2.38	03:35	1.44	10:35	1.82	1.60	06:50	0.163	15:15	0.391	0.272	36390	
08/23/2021	03:40	1.75	12:05	2.79	2.32	03:15	1.37	11:50	1.70	1.56	03:40	0.148	12:05	0.355	0.256	34218	
08/24/2021	03:55	1.67	18:30	22.53	4.83	22:35	0.78	18:25	4.74	1.66	03:55	0.122	18:25	20.485	1.637	218797	1.71
08/25/2021	06:05	2.17	23:35	12.48	2.83	23:25	1.43	00:00	2.20	1.92	05:40	0.273	23:30	3.515	0.433	57935	0.09
08/26/2021	05:20	1.84	00:00	11.47	2.79	00:50	0.81	08:55	1.94	1.66	05:20	0.173	00:00	2.129	0.347	46441	0.01
08/27/2021	05:45	1.81	12:50	3.03	2.47	05:15	1.38	12:40	1.86	1.63	05:45	0.156	12:45	0.443	0.294	39342	
08/28/2021	06:35	2.13	17:10	15.19	3.60	18:30	0.77	17:05	3.00	1.61	06:35	0.207	17:05	7.475	0.618	82637	0.09
08/29/2021	06:30	1.91	14:45	8.80	2.58	14:55	0.72	15:25	1.87	1.62	06:30	0.176	14:35	0.906	0.302	40313	0.09
08/30/2021	03:45	1.75	15:00	3.02	2.42	05:10	1.38	08:55	1.84	1.64	03:45	0.149	15:05	0.416	0.287	38386	
08/31/2021	06:10	1.72	15:20	3.04	2.45	05:20	1.35	21:00	1.84	1.62	06:10	0.151	13:10	0.425	0.292	38964	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			10797360	11.87
Avg	6.89	1.00	0.555	

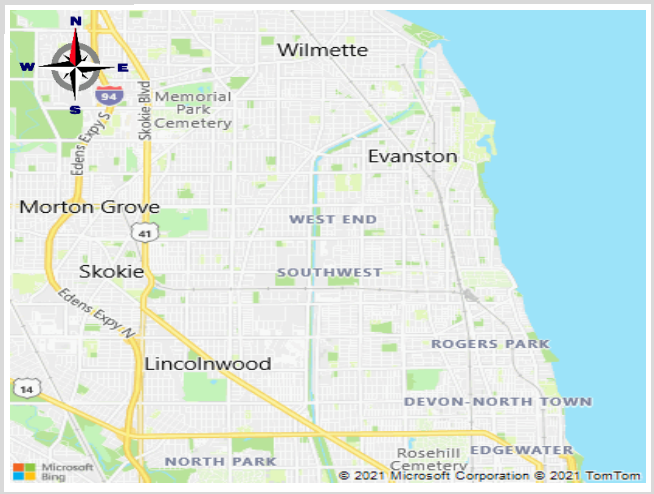
Evanston, IL

Flow Monitoring Site Report

SITE NAME

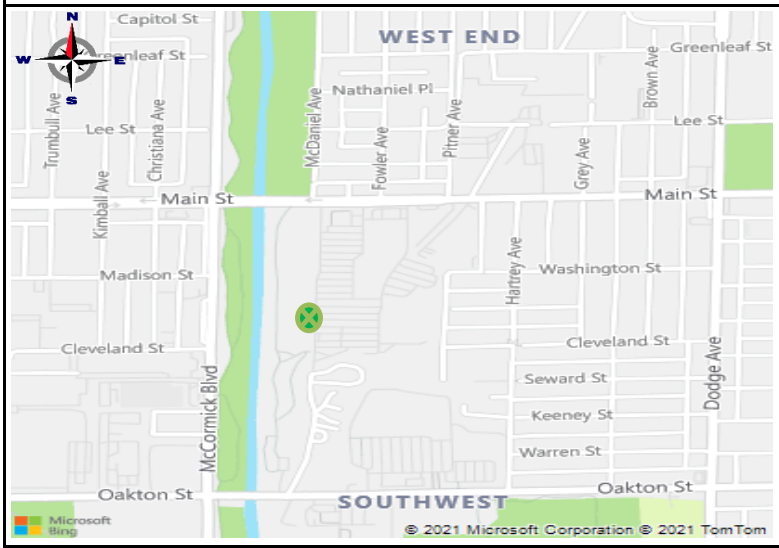
B1101300

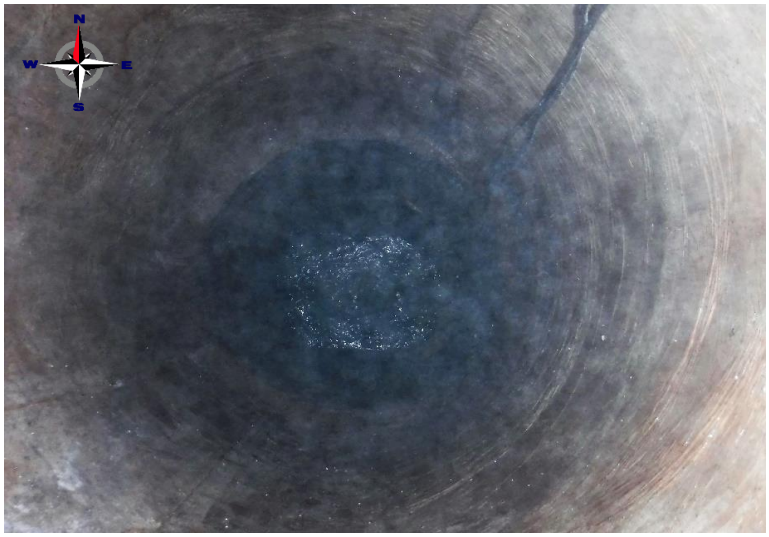
Site Address /Location:	Southwest of Sam's Club gas station			Monitor Series	Location Type
				TRITON+	Temporary
Site Access Details:	in grass; over small landscape hill -North of walking path	Latitude:	42.030054	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.708881	54 x 54	Circular



Manhole #	System Characteristics
B11_01300	Commercial
Access	Traffic
Walk (Commercial)	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Tuesday, April 06, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
5:45:00 PM	54 x 54
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
2.50	50.25
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
3.05	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Fair: Choppy

Manhole / Pipe Information:

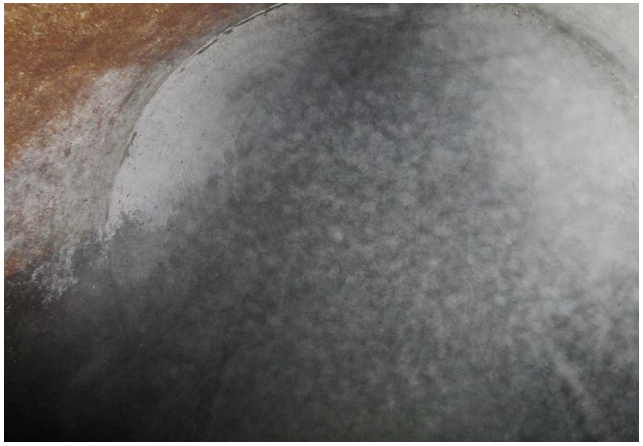
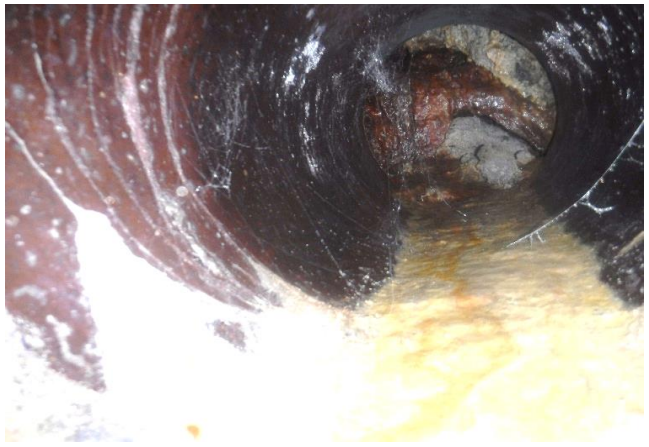
Manhole Depth (Approx. FT):	Manhole Configuration
15	Single
Manhole Material:	Manhole Condition:
Liner	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

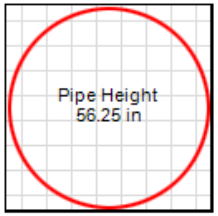
Upstream	Downstream	
		
		

SCATTERGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

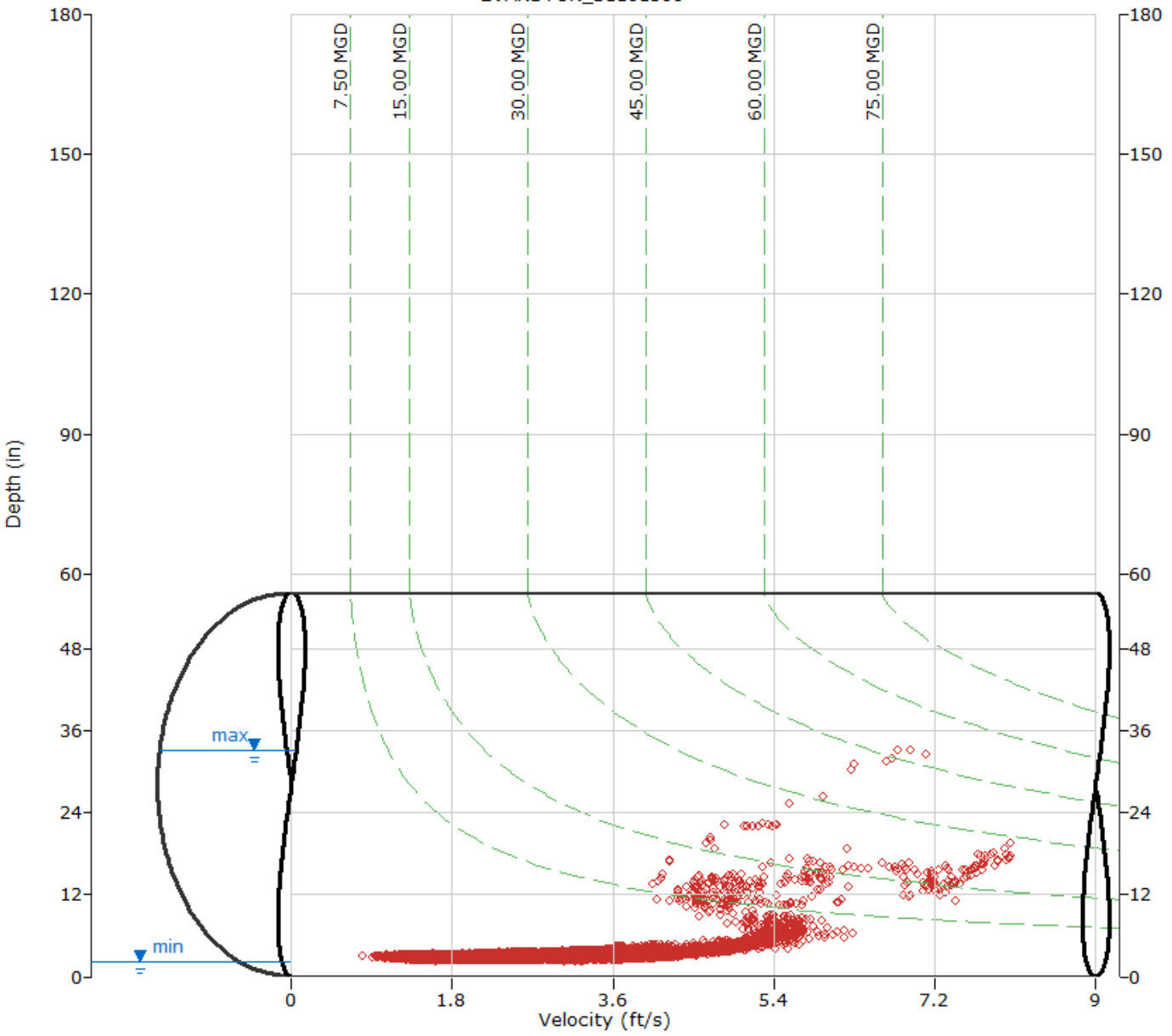


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



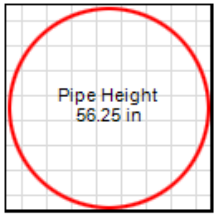
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

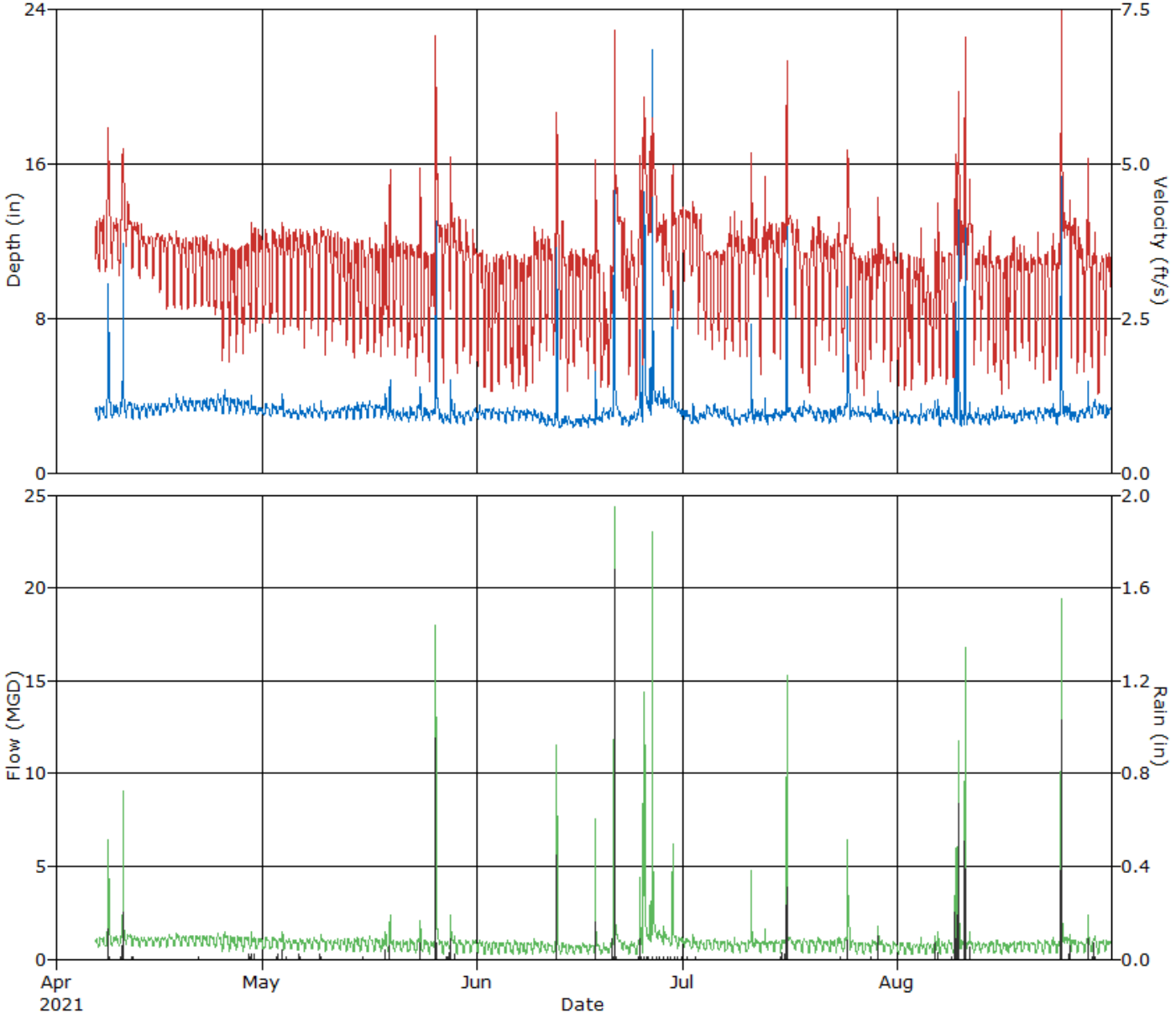


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



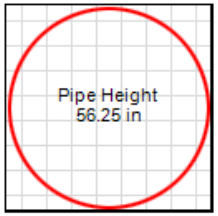
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

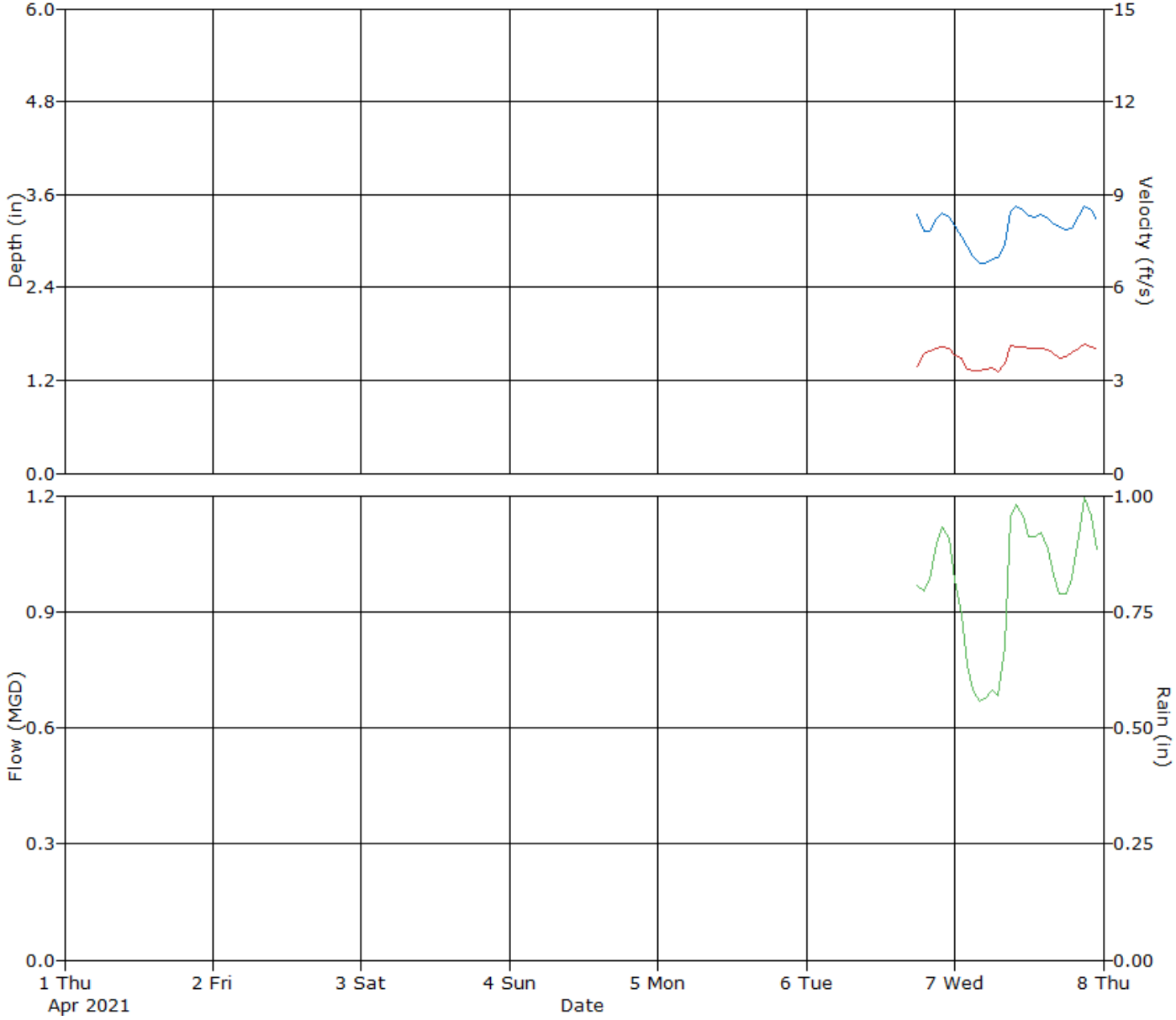


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



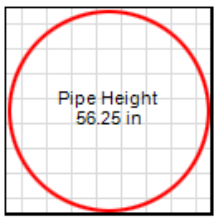
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

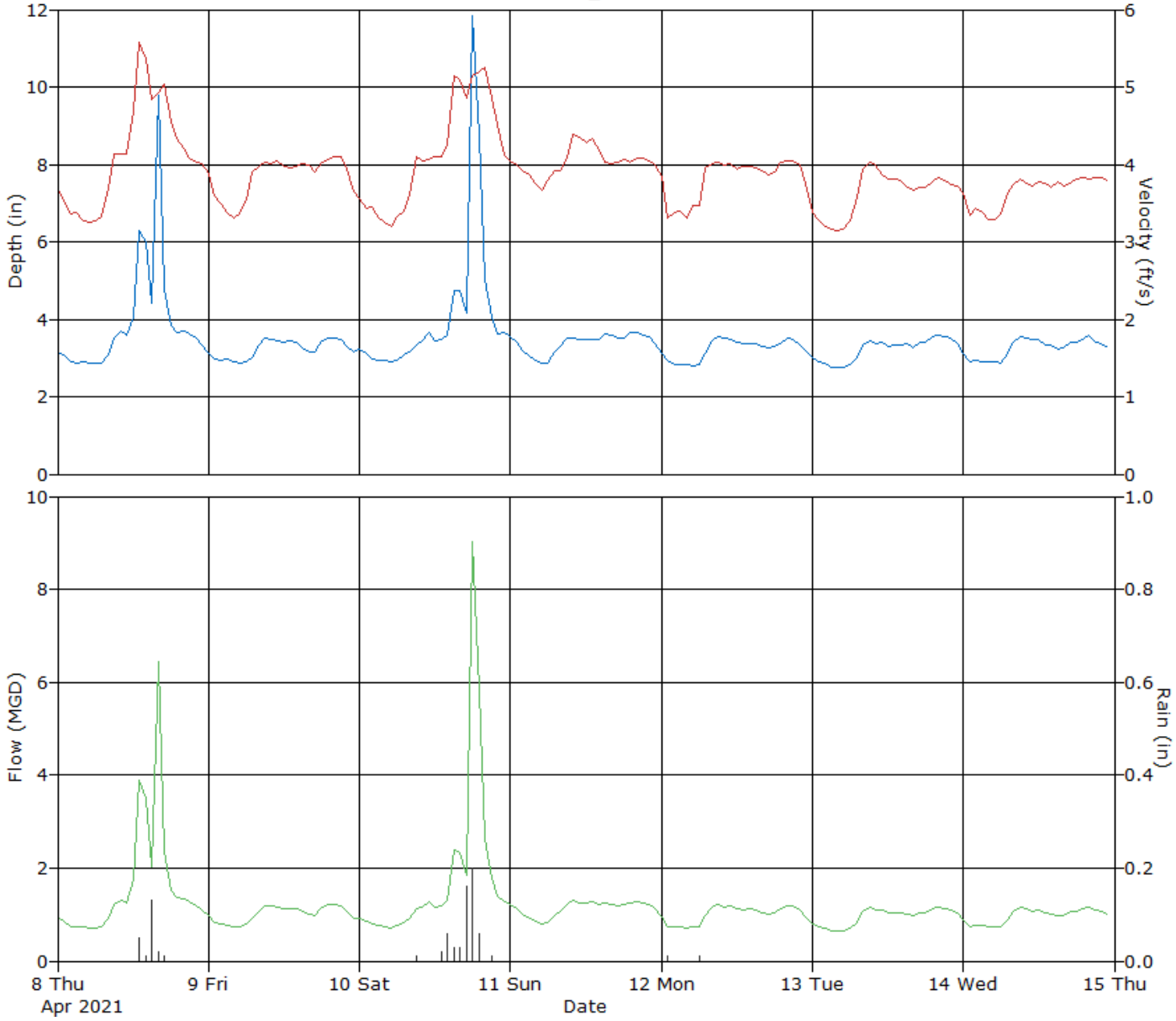


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



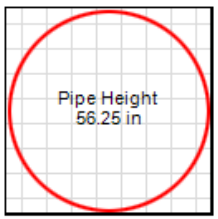
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

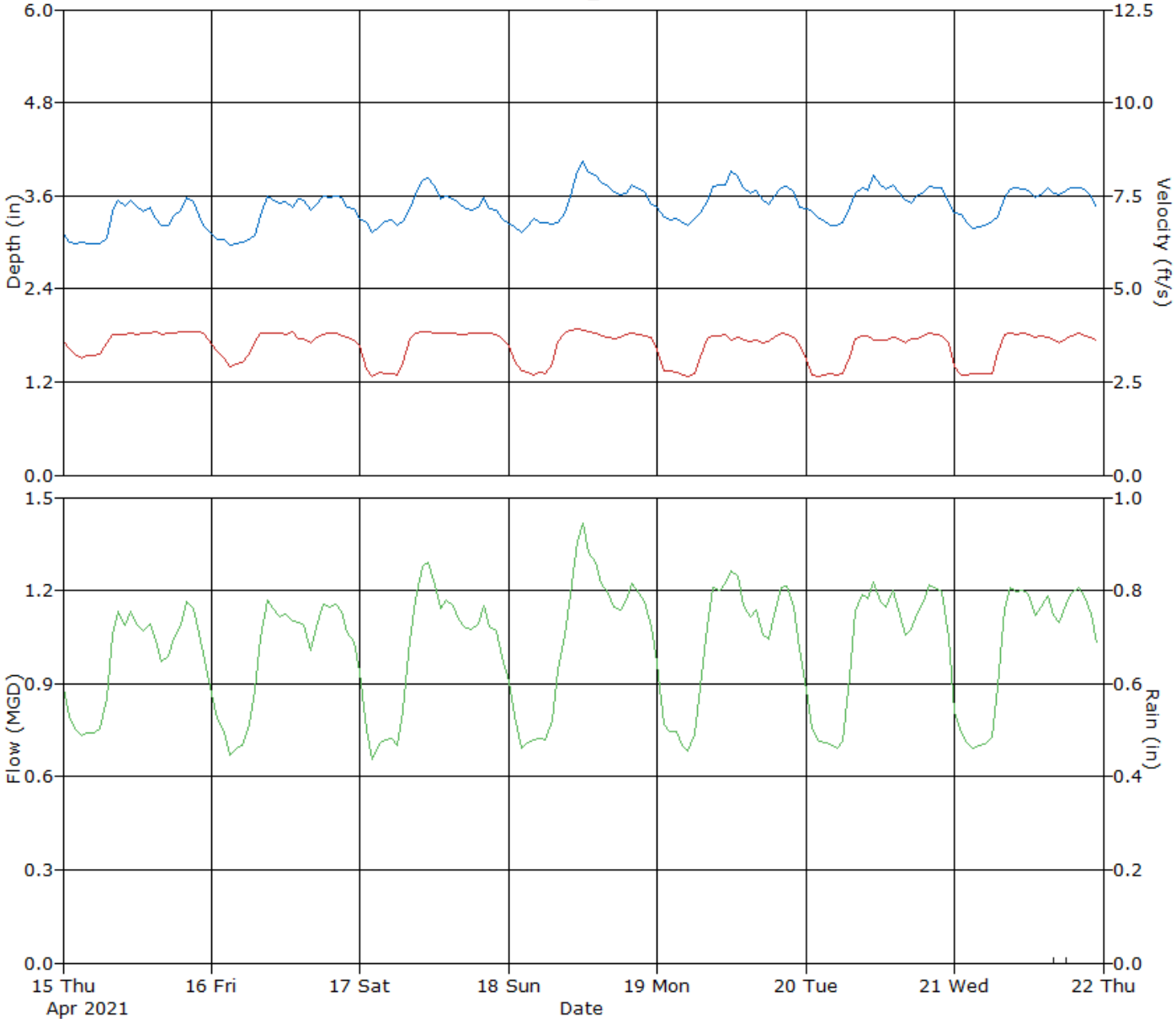


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



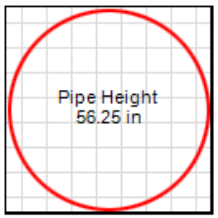
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

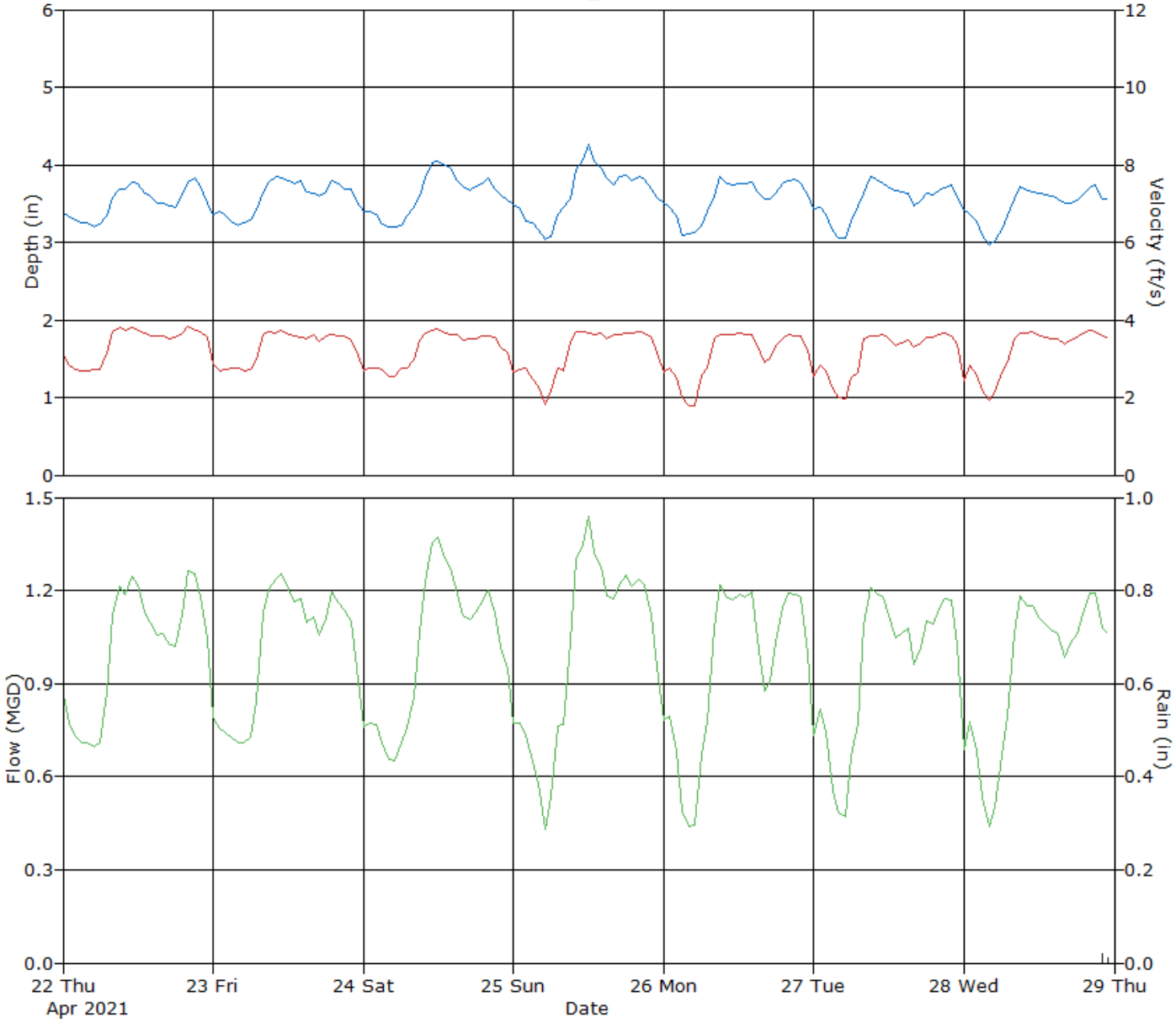


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



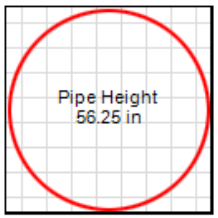
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

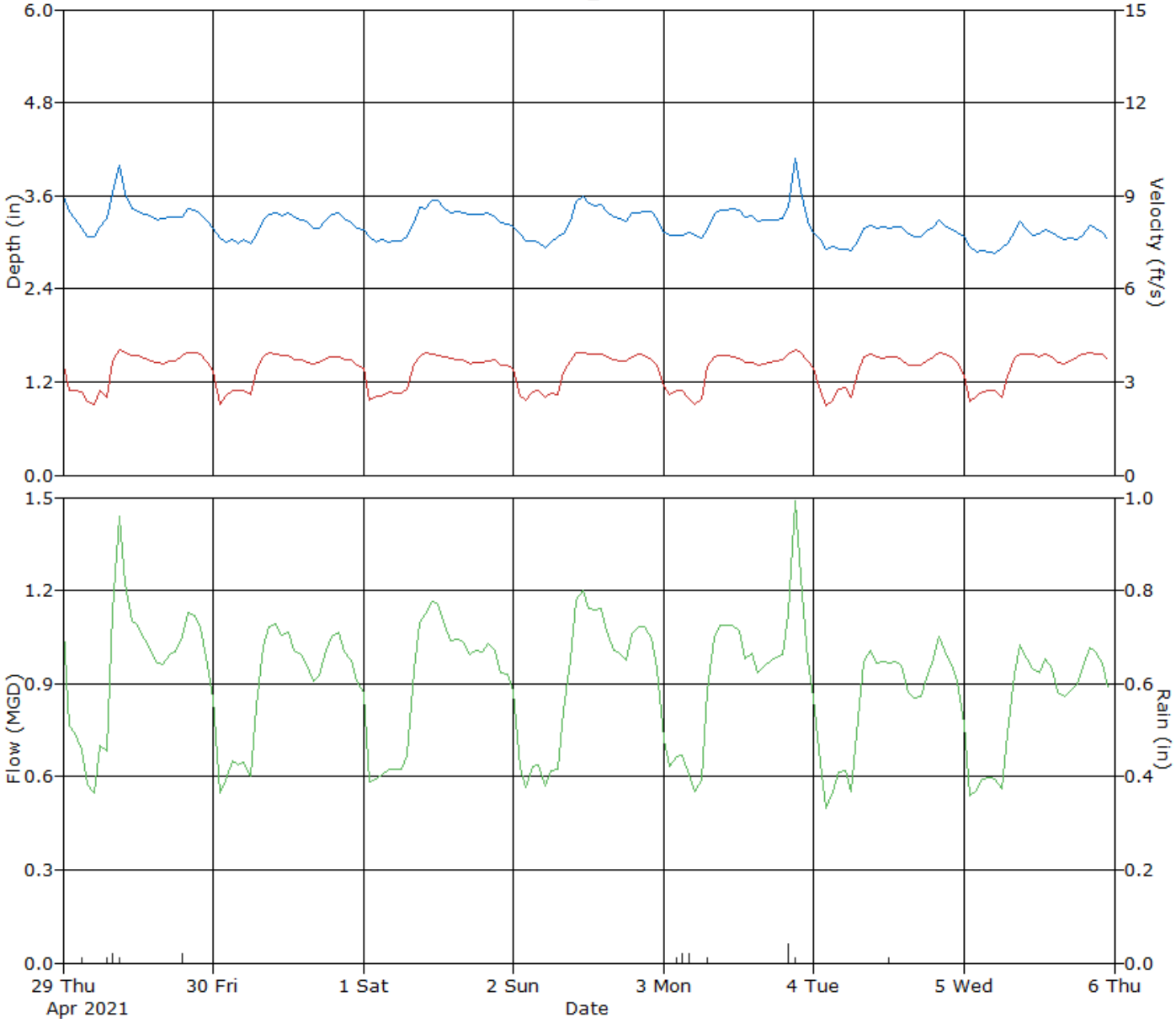


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



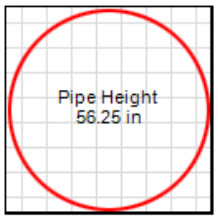
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

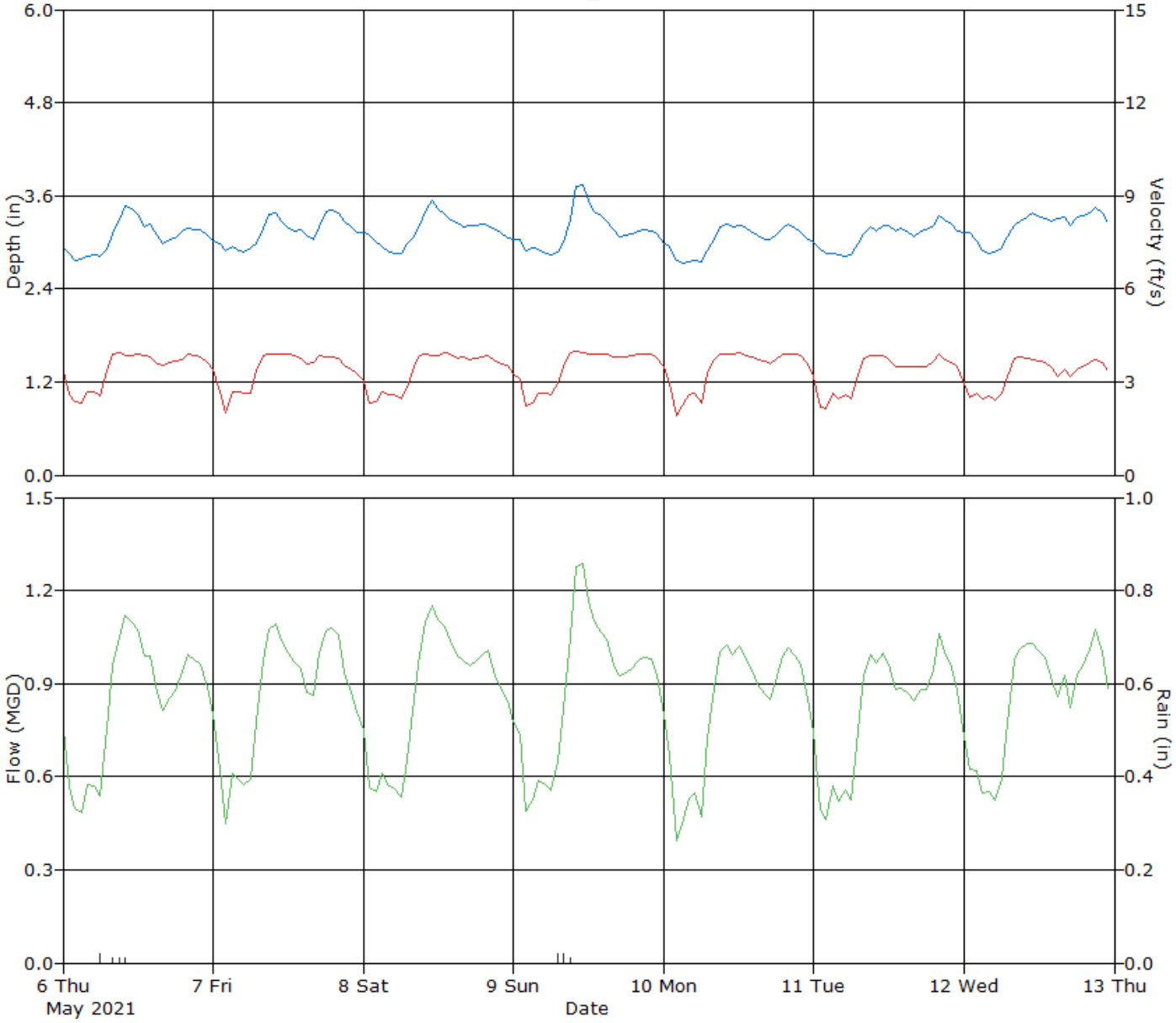


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



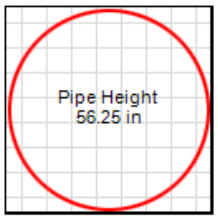
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

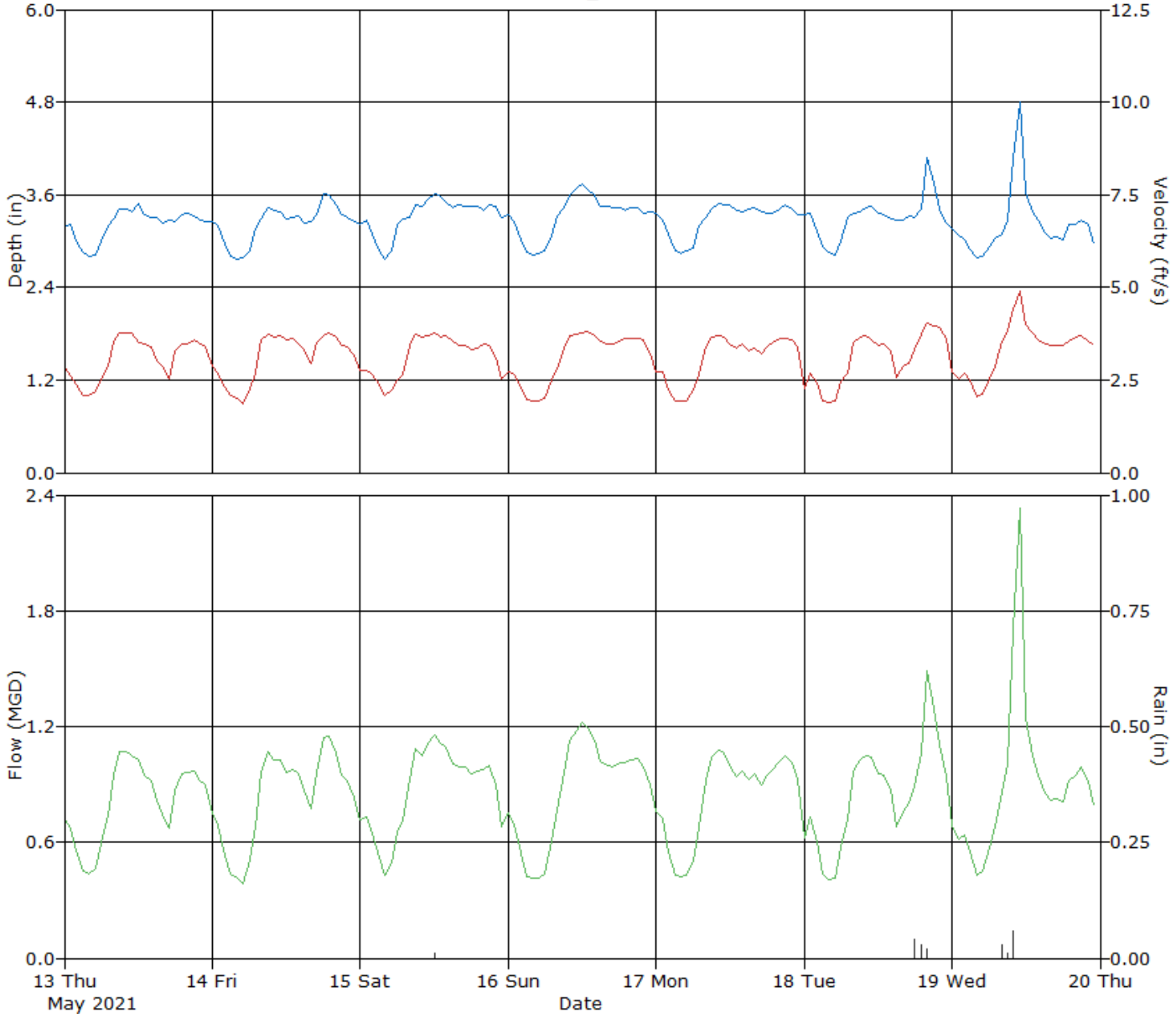


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



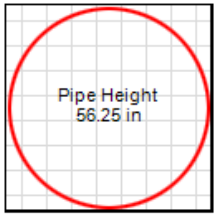
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

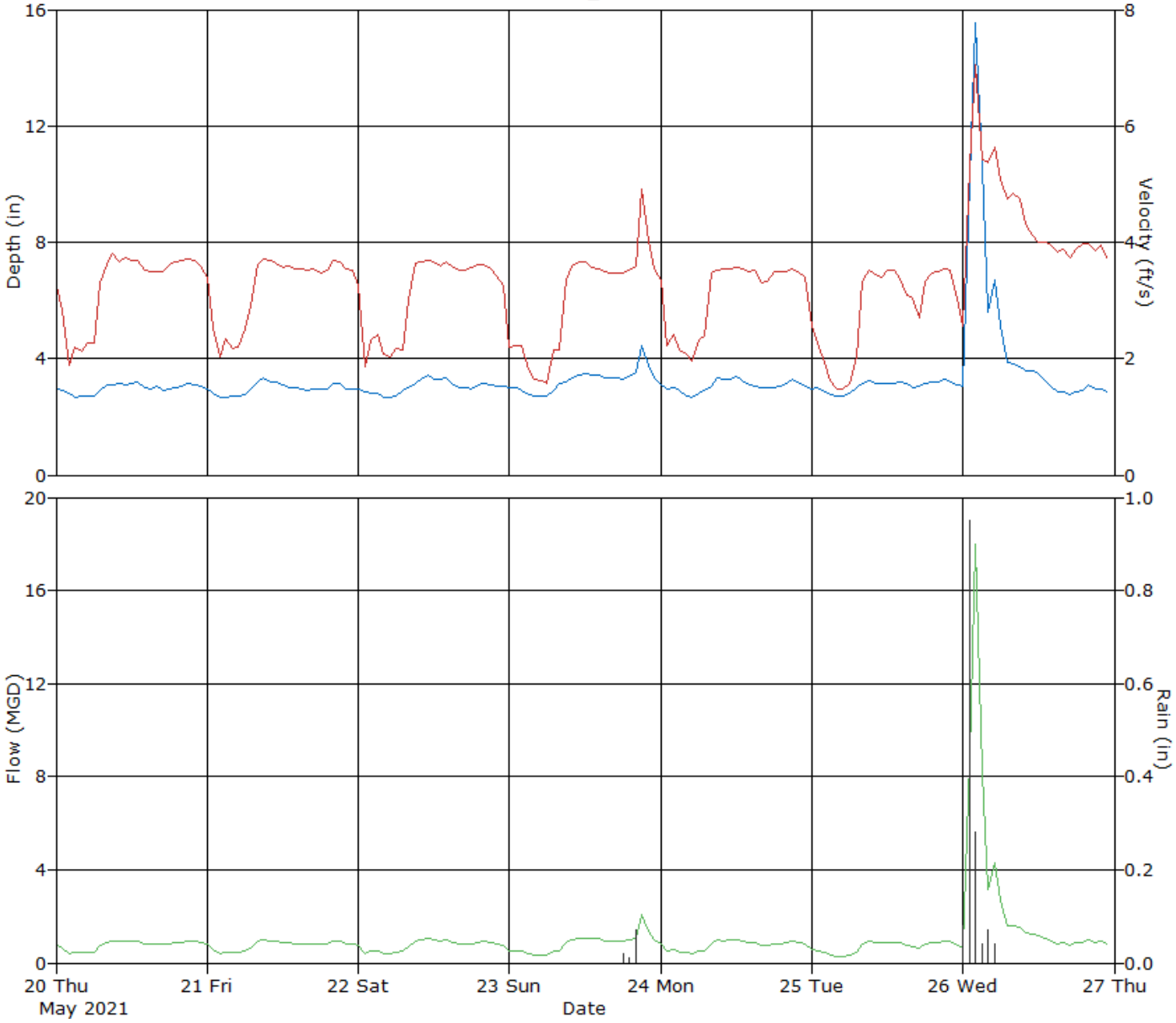


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



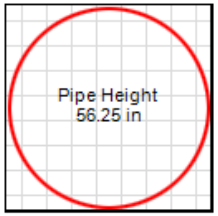
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

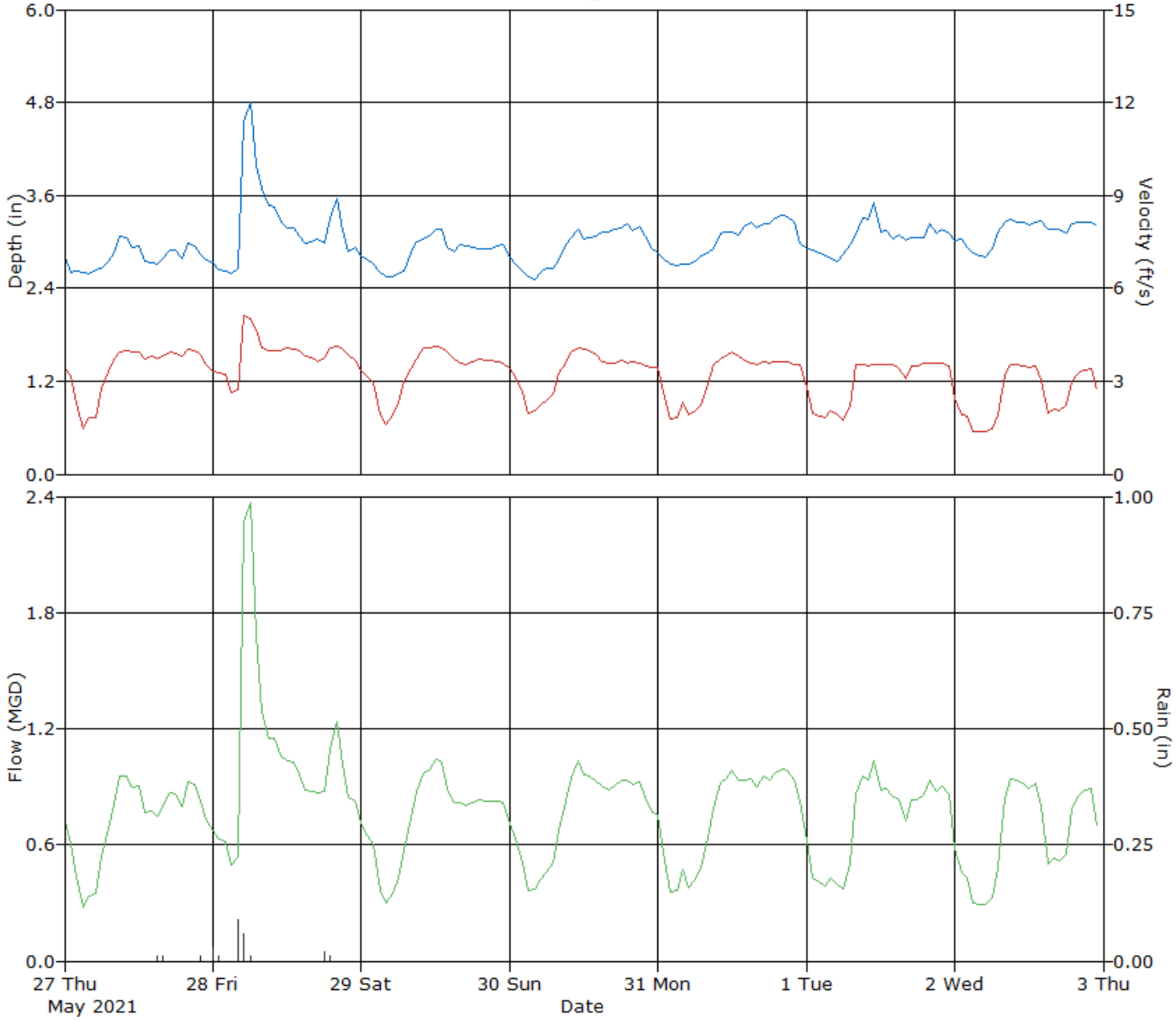


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



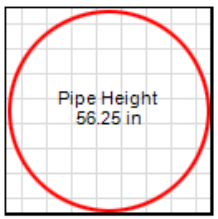
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

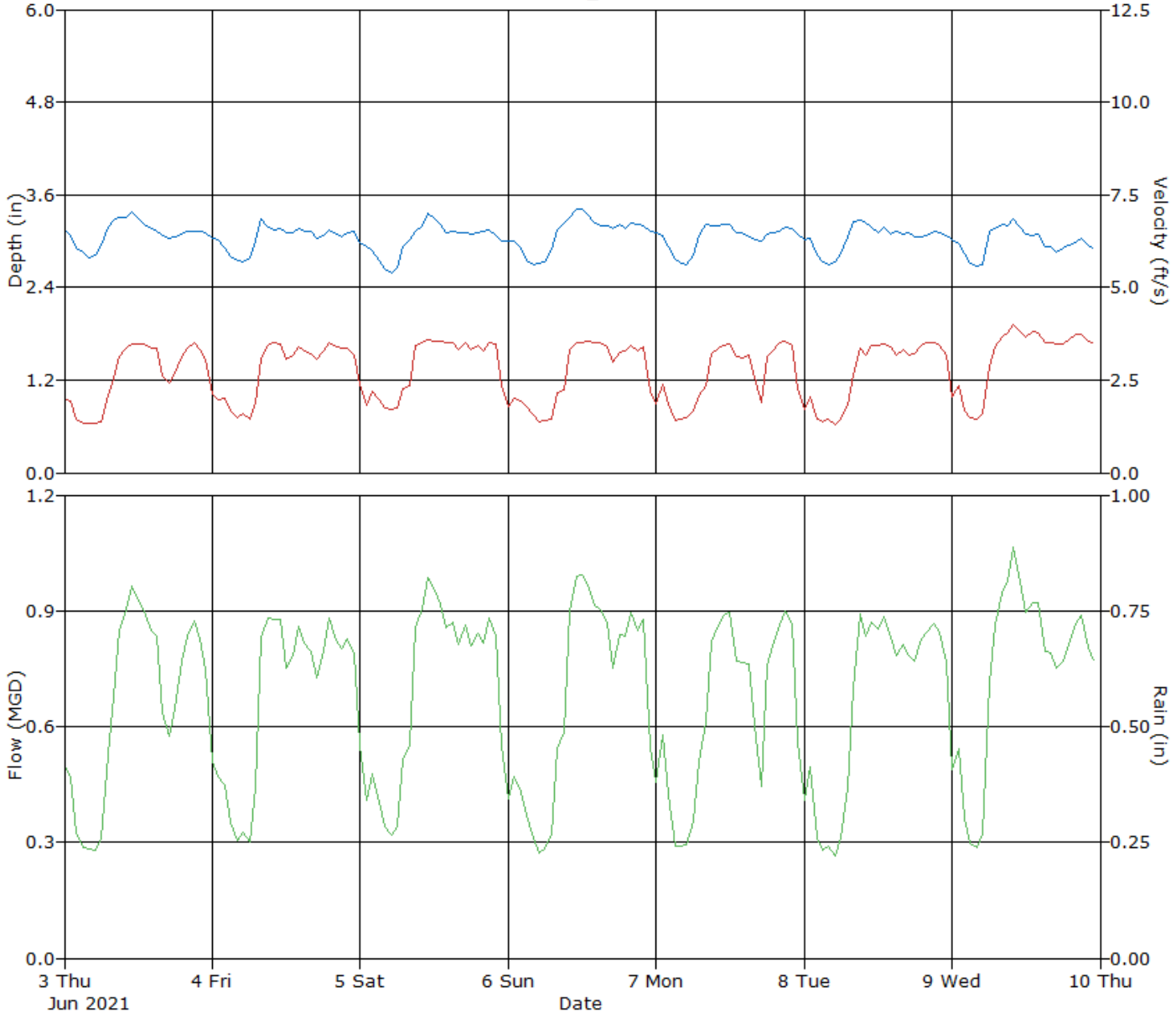


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



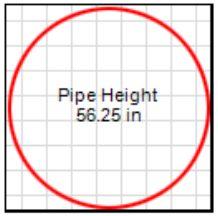
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

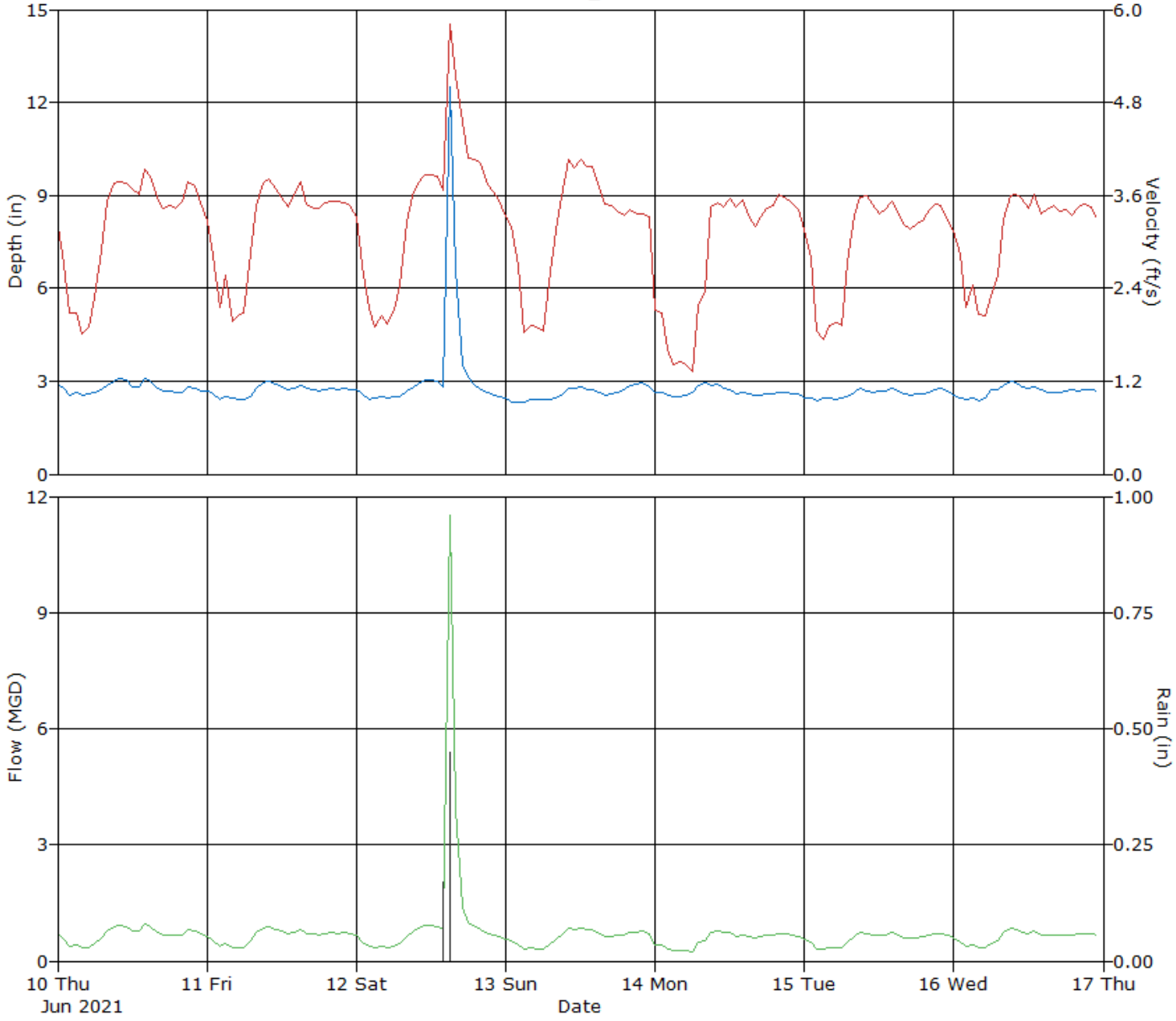


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



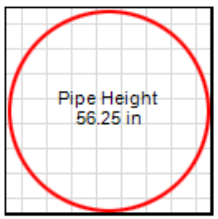
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

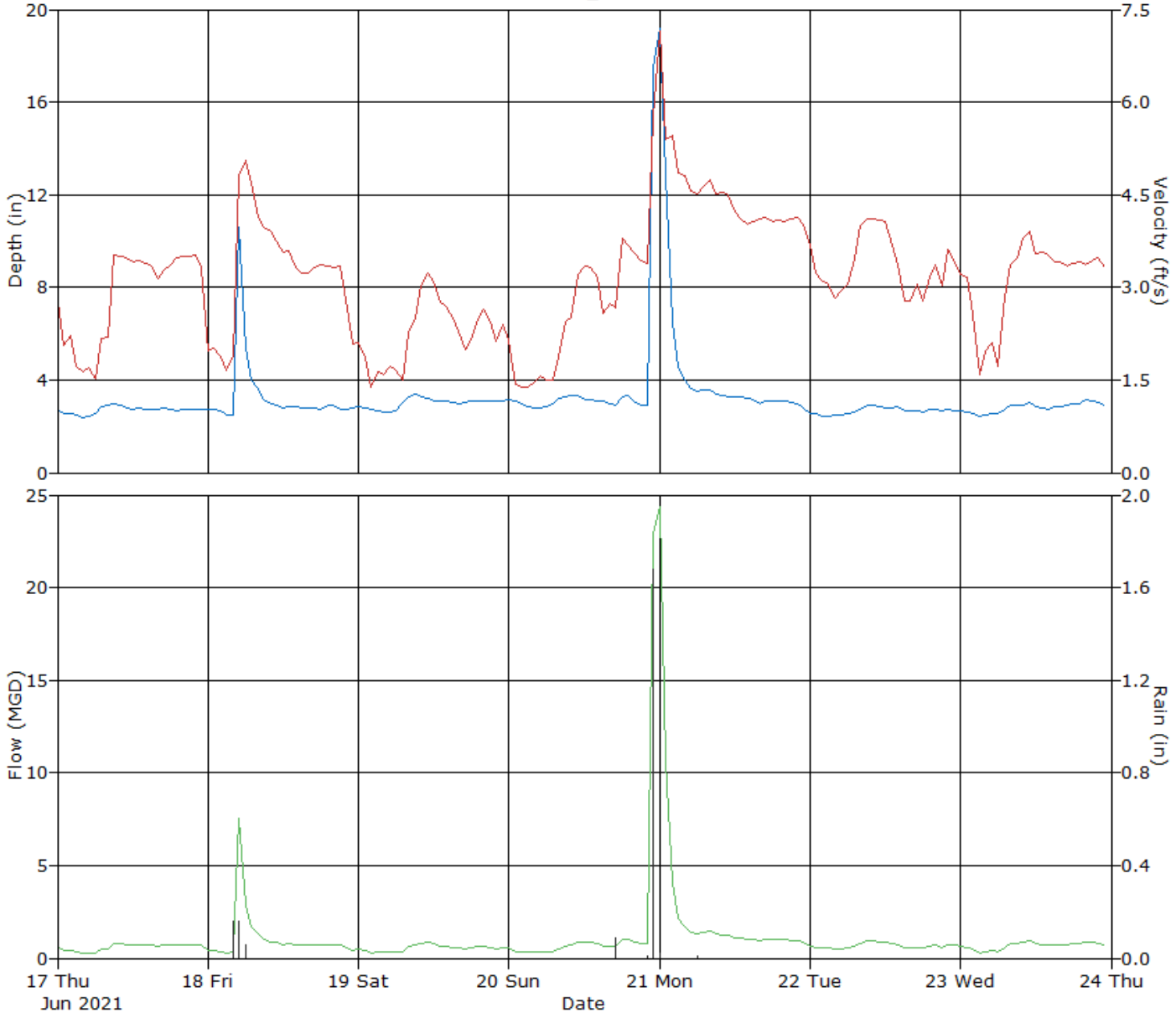


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



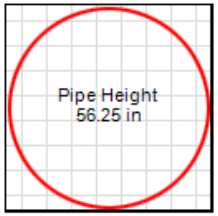
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

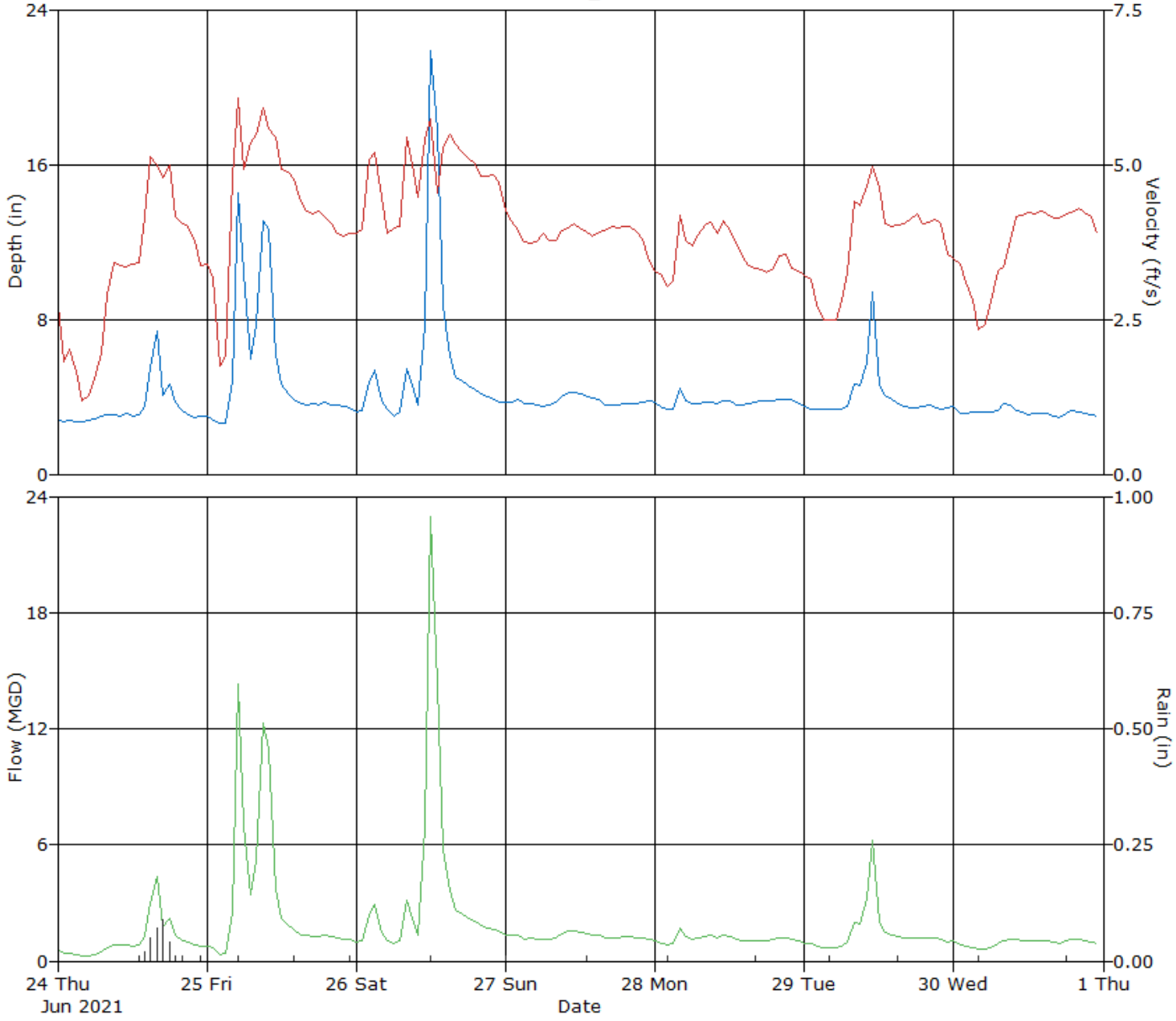


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



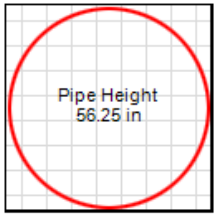
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

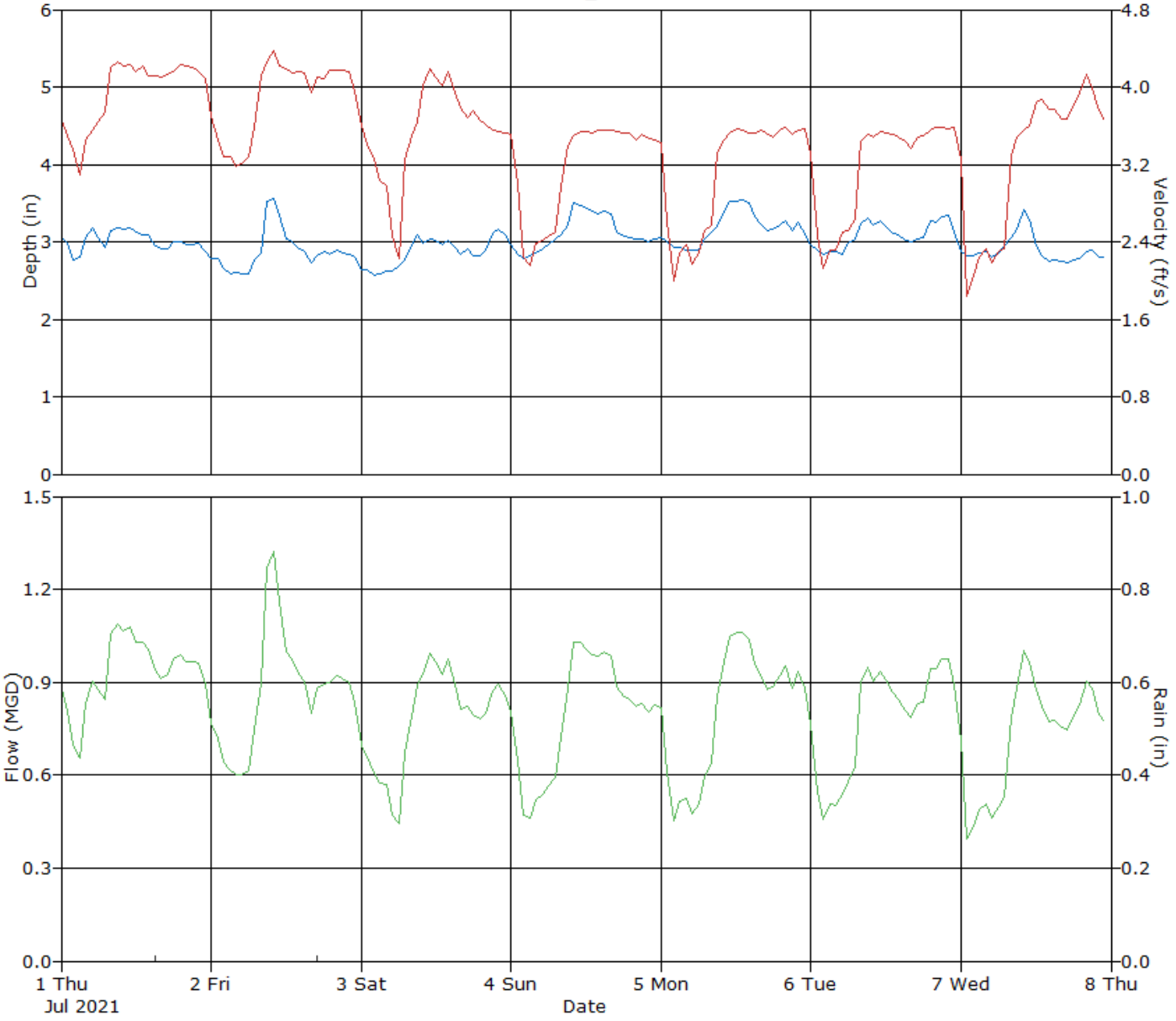


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

Pipe Height
56.25 in

Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



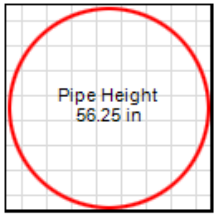
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

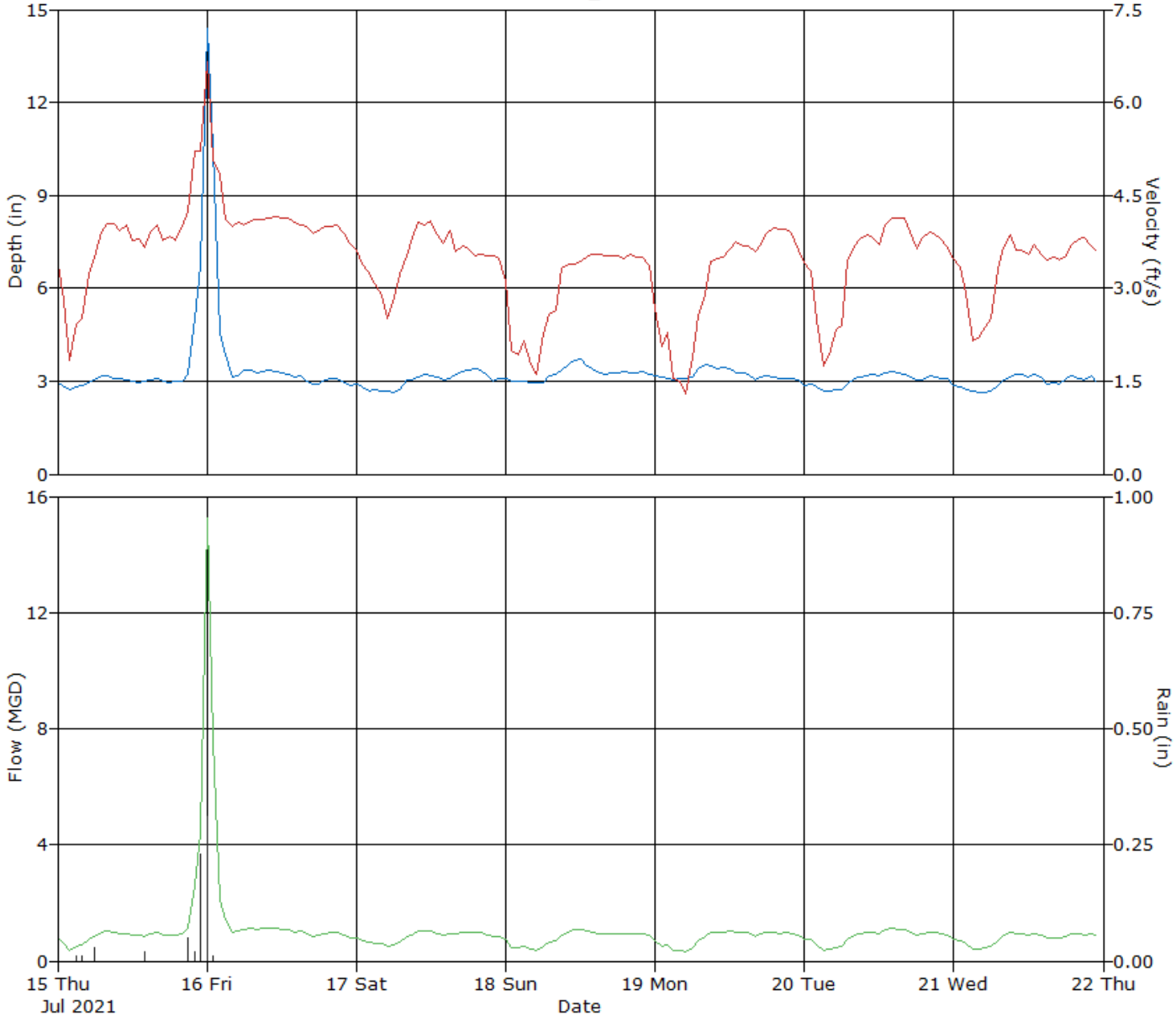


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

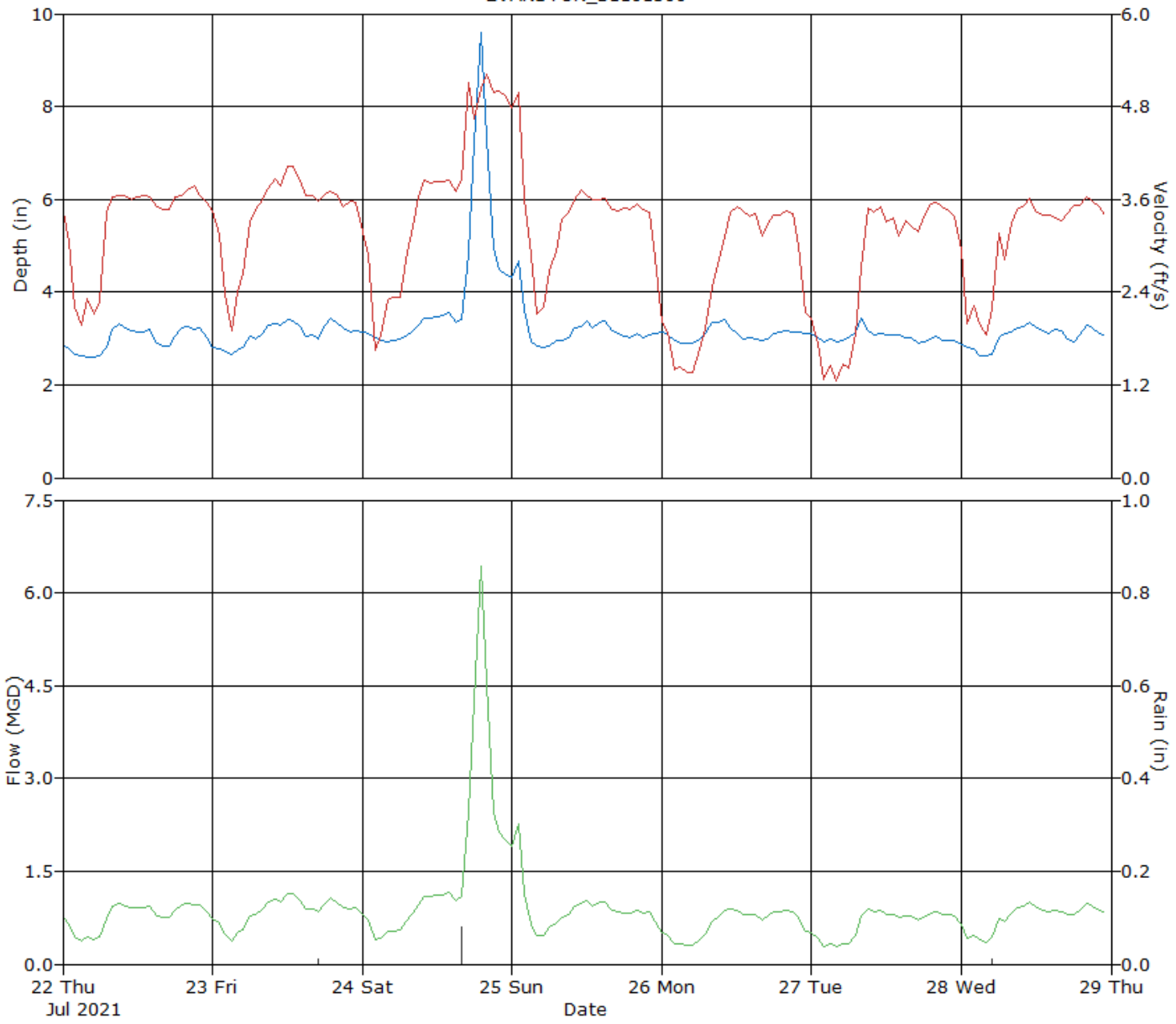
Pipe Height
56.25 in

Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



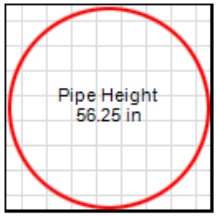
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

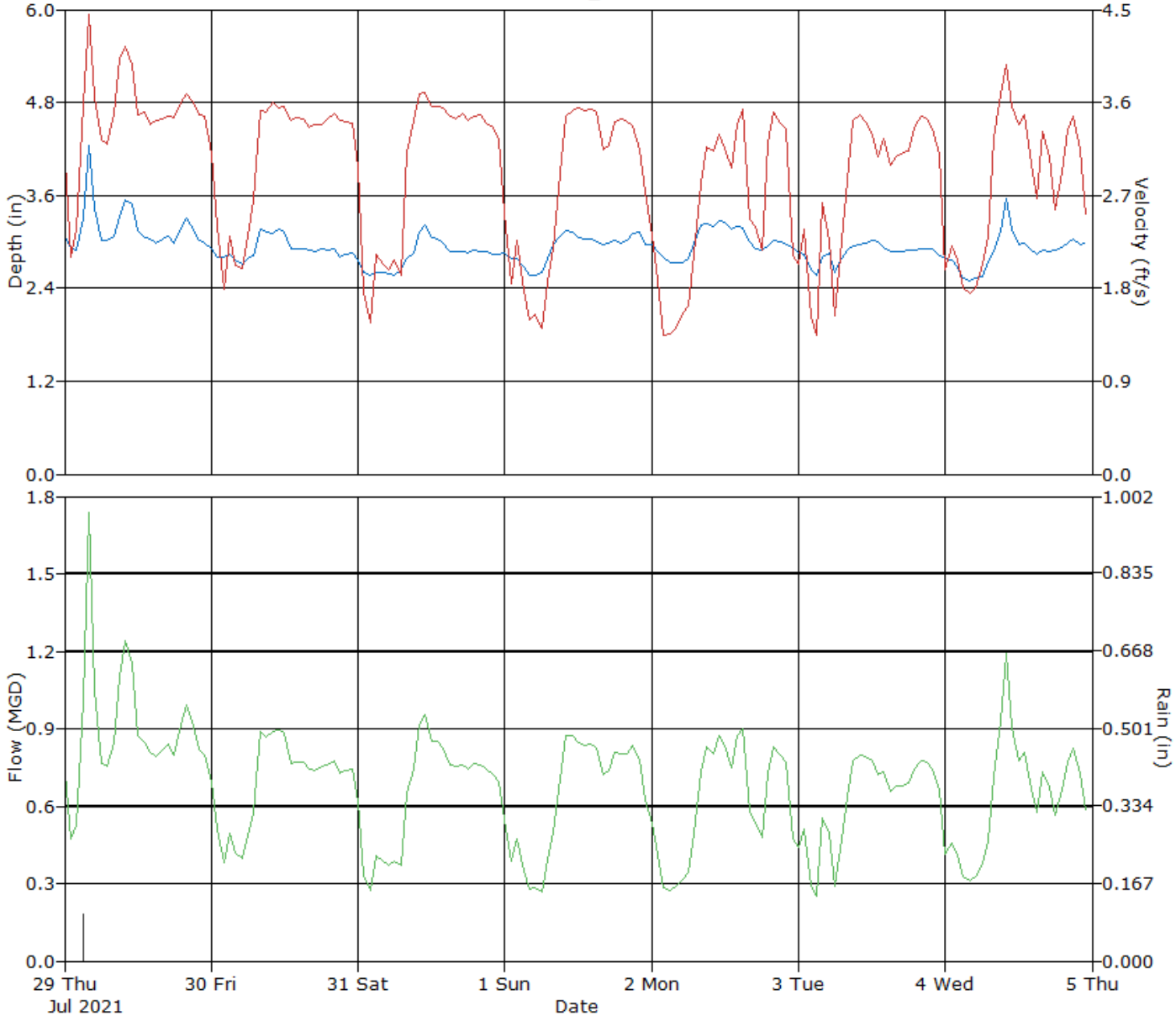


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



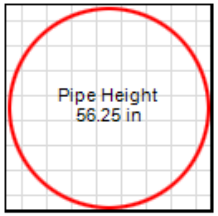
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

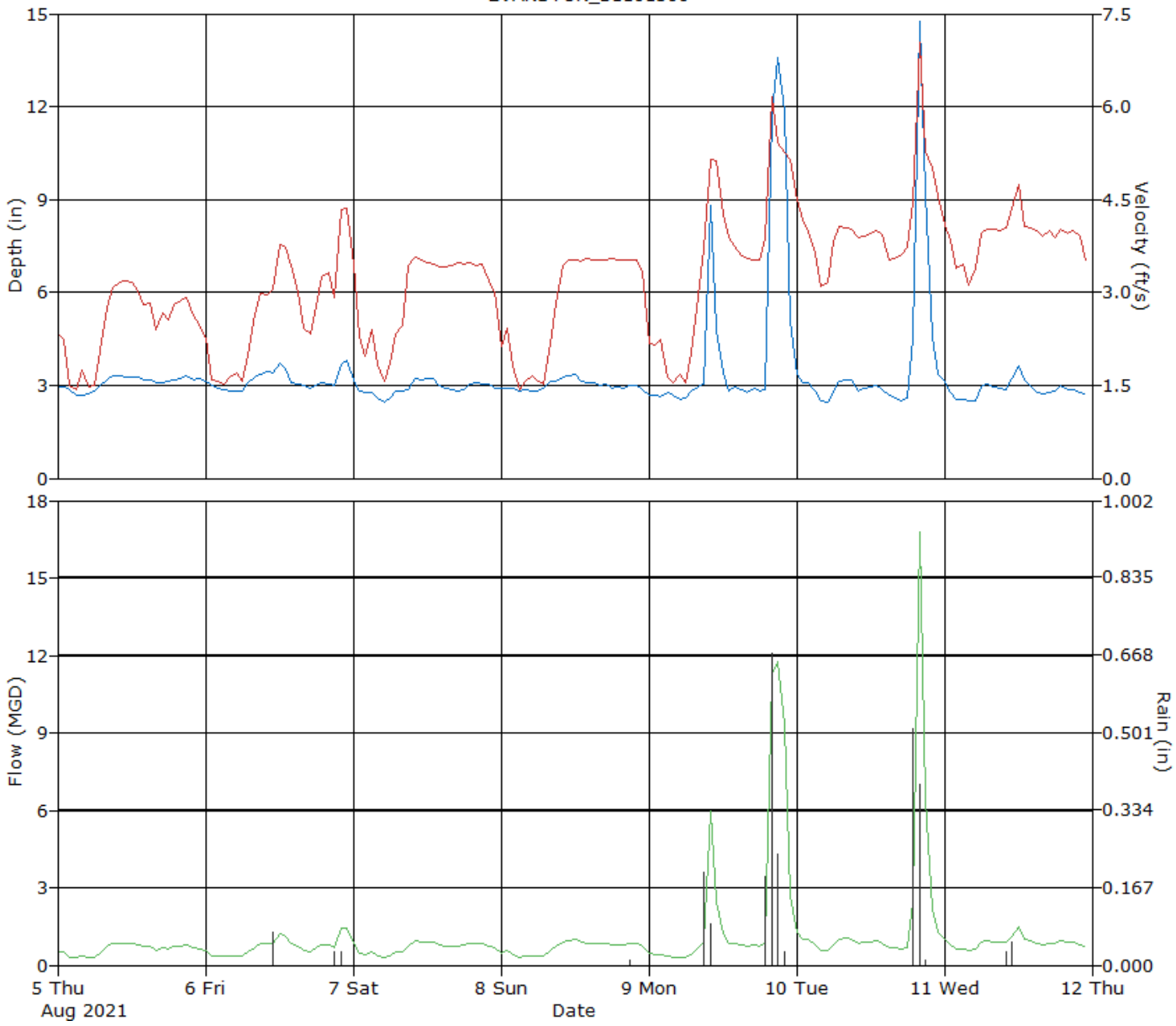


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



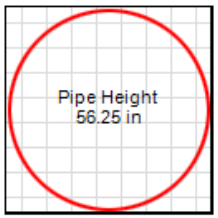
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

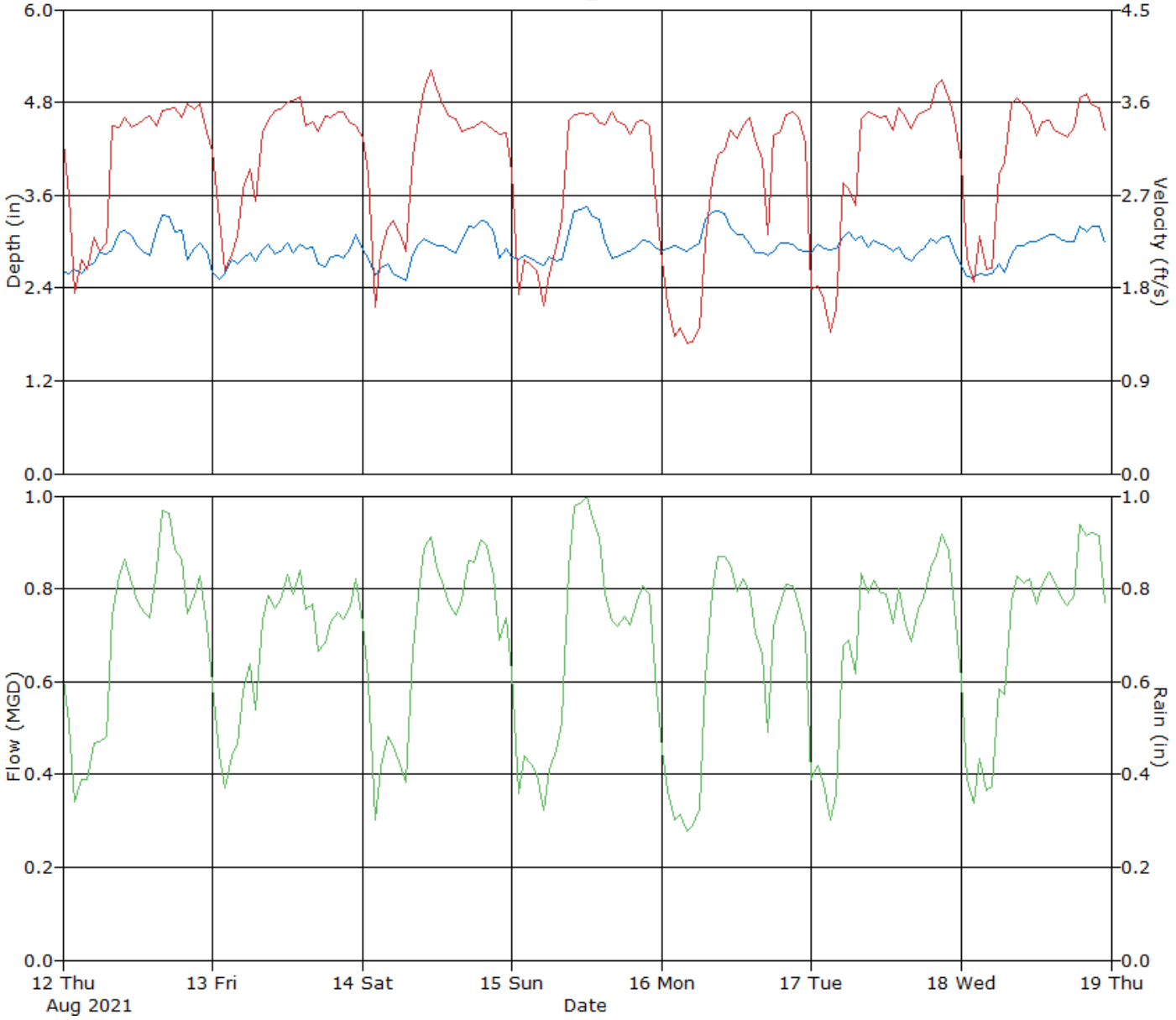


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



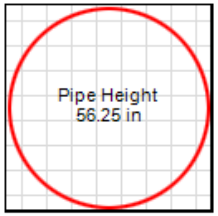
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

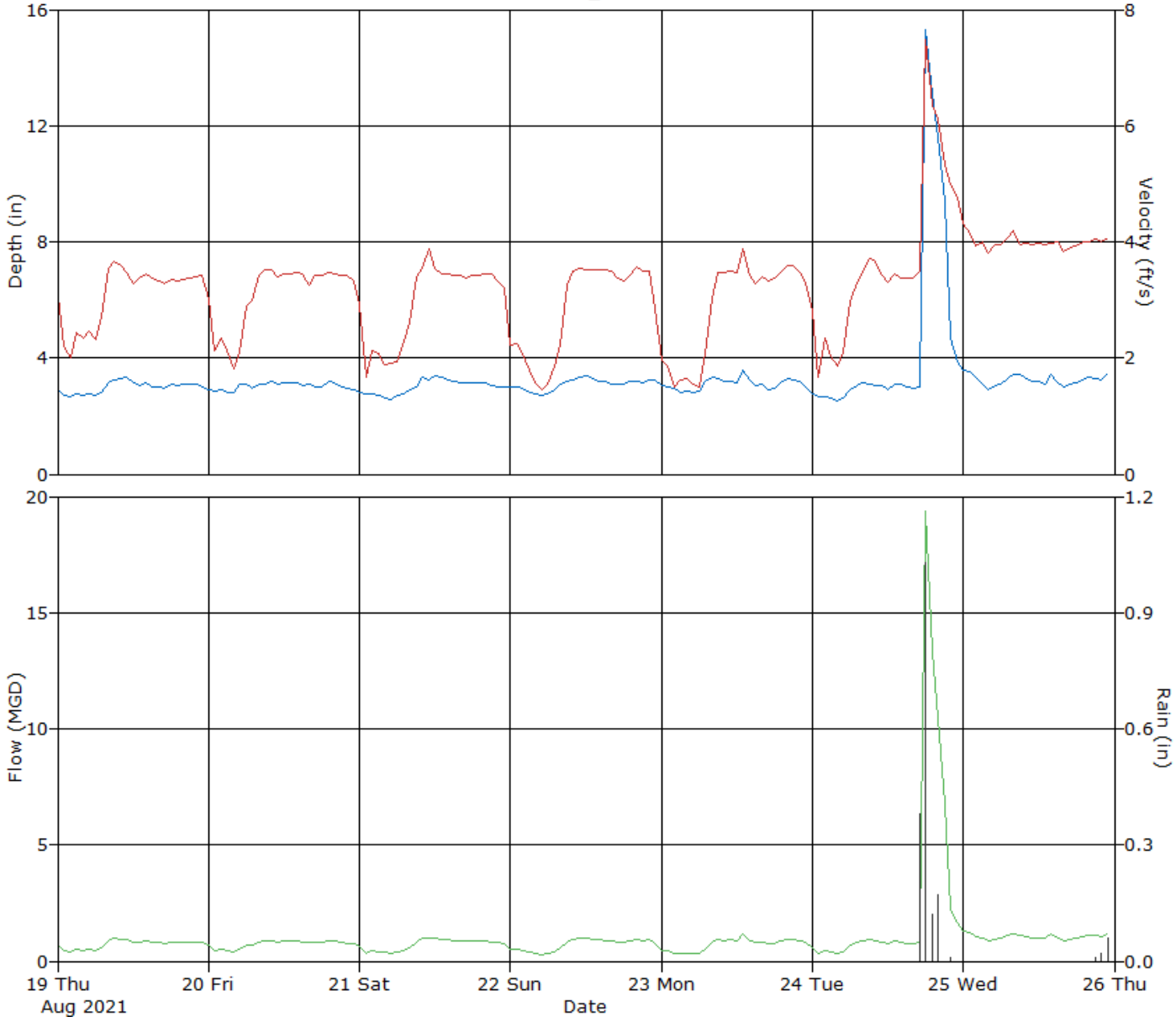


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



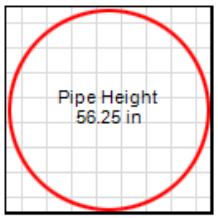
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1101300

Flow Monitor

EVANSTON_B1101300

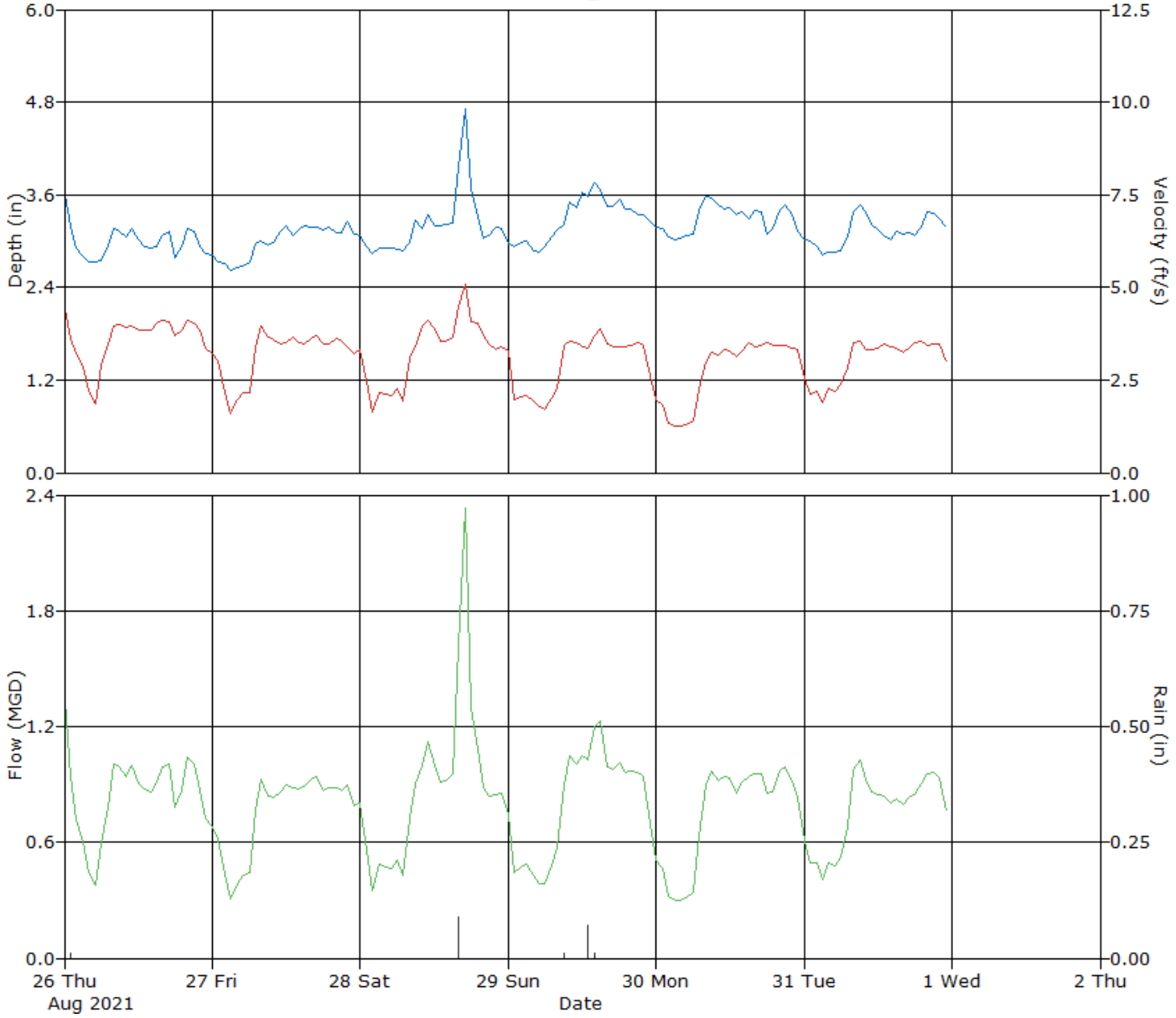


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B1101300, Pipe Height: 56.25 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021	19:45	2.73	18:35	3.56	3.26	18:20	2.85	23:35	4.12	3.90	19:45	0.795	23:00	1.139	1.032	34486	
04/07/2021	05:00	2.67	21:45	3.51	3.15	07:20	3.18	21:30	4.22	3.79	04:40	0.641	21:40	1.242	0.960	128396	
04/08/2021	02:50	2.78	16:10	13.01	3.93	05:30	3.14	15:55	5.96	4.12	05:35	0.684	16:00	8.876	1.608	215010	0.22
04/09/2021	06:00	2.83	20:55	3.56	3.24	04:05	3.18	21:05	4.14	3.84	04:50	0.702	21:00	1.228	1.011	135173	
04/10/2021	05:40	2.84	18:20	14.92	4.12	05:25	3.05	18:15	5.94	4.14	05:25	0.666	18:30	13.379	1.792	239606	0.58
04/11/2021	05:35	2.82	20:25	3.74	3.39	05:40	3.44	10:35	4.46	4.04	05:40	0.738	10:00	1.338	1.134	151608	
04/12/2021	06:00	2.76	20:45	3.66	3.23	01:55	3.03	13:55	4.14	3.82	04:50	0.662	20:45	1.273	1.005	134282	0.02
04/13/2021	03:20	2.72	21:00	3.64	3.22	04:55	3.00	10:35	4.06	3.63	04:55	0.627	19:55	1.200	0.953	127438	
04/14/2021	06:25	2.84	20:40	3.63	3.26	16:15	2.70	16:25	3.97	3.65	05:05	0.695	20:40	1.178	0.972	129923	
04/15/2021	01:50	2.90	12:05	3.68	3.27	03:40	2.85	22:05	3.94	3.65	03:40	0.658	12:00	1.199	0.975	130328	
04/16/2021	03:25	2.90	14:45	3.66	3.35	03:45	2.62	20:30	3.91	3.57	03:40	0.596	20:30	1.207	0.991	132424	
04/17/2021	02:30	3.07	11:20	3.87	3.44	02:25	2.43	10:30	3.92	3.48	02:25	0.595	11:00	1.326	1.005	134303	
04/18/2021	02:00	3.06	12:05	4.07	3.53	07:05	2.55	12:10	4.03	3.48	01:55	0.638	12:10	1.470	1.048	140101	
04/19/2021	05:25	3.18	12:35	3.98	3.55	01:20	2.30	21:10	3.87	3.40	01:20	0.625	12:05	1.357	1.028	137434	
04/20/2021	06:10	3.16	11:20	3.95	3.55	03:10	2.56	20:15	3.89	3.38	05:10	0.663	20:00	1.284	1.023	136738	
04/21/2021	03:00	3.16	11:25	3.76	3.52	00:45	2.38	08:35	3.89	3.41	02:55	0.642	10:40	1.242	1.019	136275	0.02
04/22/2021	06:05	3.15	21:15	3.87	3.51	04:00	2.60	09:40	3.92	3.39	04:00	0.669	20:25	1.296	1.013	135427	
04/23/2021	04:10	3.18	10:25	3.92	3.58	01:00	2.48	11:15	3.79	3.30	05:25	0.655	11:30	1.281	1.012	135307	
04/24/2021	05:40	3.15	12:10	4.11	3.61	05:35	2.06	12:15	3.81	3.24	05:35	0.526	12:10	1.413	1.010	135006	
04/25/2021	05:45	2.96	12:15	4.41	3.64	05:20	1.50	10:25	3.75	3.17	05:40	0.359	12:10	1.520	1.012	135291	
04/26/2021	03:50	3.03	09:40	3.93	3.57	05:00	1.44	14:45	3.79	3.09	05:00	0.363	09:40	1.294	0.952	127267	
04/27/2021	04:20	3.02	09:15	3.91	3.54	05:10	1.61	21:05	3.73	3.15	05:10	0.382	09:20	1.251	0.954	127545	
04/28/2021	04:55	2.91	21:00	3.84	3.47	00:20	1.58	10:35	3.77	3.20	04:15	0.405	21:00	1.254	0.945	126379	0.03
04/29/2021	04:45	3.01	09:15	4.06	3.37	07:20	1.73	09:05	4.11	3.42	05:15	0.454	09:10	1.488	0.961	128509	0.07
04/30/2021	06:40	2.93	10:10	3.45	3.21	01:15	1.50	09:30	3.99	3.43	01:15	0.364	09:55	1.128	0.895	119611	
05/01/2021	02:25	2.94	11:15	3.62	3.27	03:10	1.68	13:05	3.99	3.38	03:10	0.405	11:15	1.218	0.907	121295	
05/02/2021	05:25	2.90	11:45	3.65	3.27	01:50	1.36	10:35	3.98	3.41	01:50	0.328	11:45	1.238	0.917	122527	
05/03/2021	06:35	3.00	21:20	4.19	3.31	00:40	1.43	22:00	4.08	3.40	00:40	0.361	21:20	1.548	0.931	124443	0.11
05/04/2021	06:30	2.84	20:25	3.33	3.10	06:50	1.53	20:25	3.98	3.42	06:50	0.330	20:25	1.085	0.848	113308	0.01
05/05/2021	02:10	2.83	09:10	3.31	3.05	01:20	1.53	19:45	3.98	3.45	01:20	0.343	09:10	1.048	0.835	111562	
05/06/2021	02:00	2.74	10:50	3.67	3.07	03:25	1.51	08:35	3.95	3.43	03:25	0.313	10:55	1.225	0.841	112477	0.05
05/07/2021	04:30	2.83	09:50	3.52	3.14	02:10	1.61	17:35	4.04	3.41	02:10	0.368	10:05	1.165	0.861	115107	
05/08/2021	06:30	2.81	11:40	3.56	3.15	01:15	1.52	13:10	3.97	3.38	07:10	0.372	11:35	1.159	0.861	115050	
05/09/2021	02:45	2.80	11:20	3.80	3.15	02:35	1.60	12:45	4.08	3.48	02:35	0.349	11:15	1.344	0.888	118771	0.05
05/10/2021	03:30	2.70	10:30	3.33	3.03	06:20	1.36	12:10	4.04	3.42	06:20	0.278	12:05	1.077	0.824	110138	
05/11/2021	06:00	2.78	21:00	3.39	3.09	01:25	1.46	20:45	3.95	3.30	01:25	0.327	20:55	1.101	0.814	108818	
05/12/2021	04:45	2.82	21:30	3.49	3.21	03:10	1.74	09:35	3.90	3.25	03:10	0.390	21:30	1.100	0.848	113312	
05/13/2021	04:10	2.76	12:10	3.56	3.22	03:30	1.96	09:00	3.85	3.08	04:10	0.405	10:00	1.094	0.812	108581	
05/14/2021	06:10	2.72	18:35	3.68	3.24	05:10	1.75	19:45	3.83	3.13	05:10	0.366	19:30	1.197	0.835	111565	
05/15/2021	05:00	2.70	12:00	3.66	3.33	00:05	1.75	14:05	3.81	3.14	05:10	0.390	12:15	1.175	0.871	116452	0.01
05/16/2021	04:45	2.79	12:15	3.79	3.33	06:00	1.74	13:05	3.90	3.11	06:00	0.375	12:15	1.250	0.868	116100	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	03:40	2.80	21:10	3.54	3.29	06:10	1.77	11:20	3.78	3.09	06:10	0.380	21:05	1.120	0.842	112602	
05/18/2021	05:35	2.77	20:25	4.18	3.31	04:20	1.80	19:50	4.12	3.08	04:30	0.389	20:30	1.535	0.850	113692	0.09
05/19/2021	05:55	2.75	10:55	5.77	3.22	01:00	1.71	10:45	5.53	3.32	04:40	0.405	10:55	3.275	0.902	120623	0.10
05/20/2021	06:30	2.66	12:55	3.23	2.98	05:40	1.39	09:05	3.89	3.26	05:40	0.284	09:05	0.969	0.764	102117	
05/21/2021	03:05	2.62	09:15	3.40	2.97	02:40	1.42	21:00	3.77	3.23	02:40	0.280	09:05	1.053	0.754	100759	
05/22/2021	05:40	2.63	11:35	3.46	3.03	01:20	1.48	14:25	3.78	3.12	01:20	0.326	11:35	1.066	0.753	100684	
05/23/2021	04:50	2.66	21:25	4.76	3.25	05:45	1.30	21:25	5.22	3.02	05:45	0.260	21:25	2.413	0.838	112011	0.10
05/24/2021	05:40	2.61	12:15	3.49	3.06	05:10	1.41	11:30	3.60	3.11	05:10	0.280	12:15	1.040	0.760	101645	
05/25/2021	04:35	2.67	21:05	3.31	3.05	06:25	1.19	13:05	3.58	2.84	06:25	0.251	21:05	0.967	0.696	93054	
05/26/2021	17:25	2.74	02:05	16.35	4.63	00:25	1.44	02:05	7.75	4.41	00:25	0.340	02:05	21.236	2.662	355914	1.46
05/27/2021	01:40	2.52	09:40	3.20	2.80	02:30	1.27	10:40	4.09	3.41	02:30	0.244	09:40	1.022	0.728	97307	0.03
05/28/2021	03:05	2.47	05:40	5.45	3.24	04:05	1.49	05:35	5.41	3.87	04:05	0.288	05:40	3.036	1.060	141733	0.23
05/29/2021	04:50	2.52	12:45	3.27	2.87	04:05	1.13	12:15	4.20	3.35	04:05	0.212	12:45	1.106	0.746	99724	
05/30/2021	04:40	2.47	19:45	3.26	2.93	04:50	1.36	12:50	4.18	3.30	04:50	0.246	11:20	1.079	0.762	101867	
05/31/2021	03:05	2.67	22:00	3.39	3.02	01:45	1.44	12:30	4.05	3.15	01:45	0.293	12:40	1.041	0.762	101929	
06/01/2021	05:50	2.73	11:20	3.62	3.05	06:35	1.34	19:25	3.70	3.01	06:35	0.293	11:15	1.083	0.734	98063	
06/02/2021	05:15	2.78	14:20	3.33	3.13	03:00	1.12	10:05	3.63	2.56	03:00	0.246	11:00	0.966	0.650	86875	
06/03/2021	04:25	2.78	11:45	3.41	3.10	02:55	1.13	14:15	3.57	2.63	05:35	0.241	11:35	0.983	0.658	87934	
06/04/2021	05:25	2.70	08:25	3.52	3.04	04:50	1.25	10:55	3.56	2.79	04:45	0.255	08:25	1.046	0.677	90557	
06/05/2021	05:35	2.54	11:25	3.44	3.02	01:00	1.52	14:15	3.66	2.88	05:30	0.302	11:25	1.039	0.695	92847	
06/06/2021	04:25	2.68	11:55	3.50	3.10	05:55	1.08	13:25	3.58	2.66	05:55	0.217	11:50	1.033	0.672	89839	
06/07/2021	05:50	2.65	12:20	3.25	3.05	06:55	1.16	21:25	3.58	2.62	03:35	0.238	21:25	0.913	0.640	85587	
06/08/2021	04:40	2.67	09:10	3.31	3.04	05:40	1.07	21:45	3.62	2.73	05:40	0.221	09:40	0.914	0.665	88878	
06/09/2021	05:25	2.65	10:35	3.32	2.99	05:45	1.22	10:05	4.04	3.14	05:45	0.240	10:05	1.092	0.743	99274	
06/10/2021	02:40	2.49	10:40	3.15	2.78	02:55	1.32	14:15	4.04	3.22	02:55	0.240	14:15	0.983	0.680	90911	
06/11/2021	03:10	2.33	11:00	3.06	2.69	02:40	1.57	10:15	3.87	3.20	02:40	0.263	11:00	0.929	0.647	86499	
06/12/2021	03:05	2.37	15:35	17.15	3.31	06:55	1.37	15:25	7.15	3.46	02:40	0.229	15:30	17.637	1.280	171080	0.62
06/13/2021	01:50	2.20	22:35	2.98	2.60	03:05	1.61	10:35	4.18	3.20	03:05	0.248	12:35	0.911	0.617	82460	
06/14/2021	04:20	2.46	07:55	2.96	2.65	02:40	1.05	20:35	3.78	2.82	02:40	0.192	12:10	0.809	0.553	73924	
06/15/2021	02:50	2.33	15:10	2.85	2.60	02:10	1.29	15:00	3.91	3.01	02:10	0.217	15:00	0.834	0.576	76977	
06/16/2021	04:55	2.31	09:40	3.09	2.68	06:55	1.38	09:55	3.74	3.11	06:55	0.278	09:40	0.902	0.622	83083	
06/17/2021	04:45	2.33	09:45	3.01	2.70	06:30	1.26	19:30	3.63	2.88	06:30	0.237	09:45	0.831	0.586	78338	
06/18/2021	04:00	2.40	05:30	14.50	3.31	03:15	1.46	05:10	5.91	3.26	04:30	0.248	05:25	11.739	1.090	145687	0.38
06/19/2021	06:10	2.55	09:20	3.40	3.00	07:15	0.81	11:05	3.39	2.25	07:15	0.185	11:05	0.890	0.538	71916	
06/20/2021	05:45	2.75	23:40	33.09	3.67	03:20	0.95	23:30	7.85	2.66	03:20	0.211	23:40	48.144	1.547	206774	1.78
06/21/2021	23:55	2.65	00:00	31.06	4.52	23:45	3.86	00:10	8.05	4.53	23:55	0.768	00:00	40.466	2.675	357568	0.03
06/22/2021	03:00	2.40	09:40	3.03	2.67	16:40	1.88	09:45	4.25	3.36	18:55	0.363	09:45	1.001	0.667	89166	
06/23/2021	03:15	2.42	21:40	3.16	2.81	07:05	1.17	11:10	4.10	3.12	07:05	0.217	11:15	1.027	0.674	90089	
06/24/2021	03:25	2.68	15:55	11.25	3.40	04:30	0.91	15:50	6.11	3.23	04:30	0.183	15:55	7.077	1.054	140860	0.31
06/25/2021	03:00	2.60	05:35	18.72	5.47	03:25	1.39	09:55	7.19	4.38	03:25	0.265	05:35	20.554	3.267	436676	0.03
06/26/2021	06:25	2.94	12:10	26.20	5.83	01:20	3.64	12:00	7.91	4.81	06:25	0.878	12:10	30.835	3.668	490321	0.01
06/27/2021	06:50	3.39	10:20	4.33	3.76	23:55	3.26	00:10	4.59	3.90	23:30	1.074	11:50	1.607	1.272	170081	0.02
06/28/2021	02:20	3.28	04:45	4.66	3.70	02:20	2.66	04:20	4.52	3.57	02:20	0.712	04:30	1.950	1.144	152990	0.02
06/29/2021	02:45	3.29	11:10	13.04	3.96	02:50	1.92	10:45	6.01	3.74	02:50	0.519	11:10	9.576	1.457	194772	0.02
06/30/2021	17:15	2.81	08:40	3.74	3.20	04:15	1.94	20:15	4.41	3.71	04:15	0.494	09:25	1.223	0.954	127556	0.02
07/01/2021	02:35	2.74	09:00	3.28	3.02	03:15	2.91	09:45	4.40	3.95	03:15	0.604	08:55	1.130	0.932	124626	0.01
07/02/2021	06:15	2.53	09:40	3.69	2.88	04:30	2.93	10:20	4.51	3.89	04:30	0.557	09:40	1.387	0.866	115766	0.01
07/03/2021	02:30	2.52	22:30	3.21	2.86	06:10	1.56	15:05	4.30	3.54	06:10	0.304	11:40	1.034	0.779	104089	
07/04/2021	02:40	2.74	10:50	3.55	3.11	03:10	1.93	14:20	3.63	3.18	03:10	0.410	11:10	1.064	0.795	106280	
07/05/2021	06:40	2.86	13:45	3.58	3.18	06:00	1.79	22:35	3.66	3.13	06:00	0.391	12:15	1.083	0.807	107884	
07/06/2021	05:30	2.80	22:30	3.40	3.09	01:55	1.81	23:15	3.64	3.18	01:55	0.398	21:15	1.004	0.784	104796	
07/07/2021	17:30	2.66	10:30	3.48	2.89	01:15	1.41	20:50	4.25	3.26	01:15	0.306	10:30	1.044	0.724	96726	
07/08/2021	04:45	2.37	10:40	3.41	2.76	03:40	1.38	09:55	4.23	3.40	04:45	0.228	10:40	1.190	0.717	95842	
07/09/2021	03:40	2.43	08:40	3.08	2.82	03:15	1.36	10:45	4.24	3.36	03:15	0.237	11:20	0.979	0.730	97595	
07/10/2021	05:15	2.63	21:20	9.49	3.27	05:50	1.24	21:00	5.65	3.31	05:50	0.245	21:20	6.168	0.989	132152	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	06:30	2.50	03:25	3.45	2.98	05:40	3.13	03:10	4.23	3.72	05:55	0.567	03:10	1.195	0.866	115813	
07/12/2021	04:25	2.64	21:25	4.08	2.99	05:10	1.13	21:15	5.03	3.24	05:10	0.228	21:25	1.837	0.773	103377	
07/13/2021	05:35	2.44	23:50	3.10	2.86	06:00	2.76	20:20	4.11	3.67	05:35	0.475	09:30	0.963	0.802	107267	
07/14/2021	02:40	2.66	08:55	3.40	2.99	02:35	1.48	11:00	4.18	3.34	02:35	0.290	10:55	1.066	0.786	105016	
07/15/2021	02:15	2.70	23:55	13.76	3.24	02:50	1.62	23:35	5.71	3.70	02:50	0.329	23:55	11.256	1.066	142498	0.37
07/16/2021	23:55	2.82	00:40	15.60	4.01	23:20	3.35	00:20	7.43	4.21	23:20	0.735	00:35	18.601	1.939	259162	0.32
07/17/2021	06:00	2.61	19:45	3.43	3.02	05:05	2.12	12:25	4.25	3.52	05:05	0.413	11:35	1.081	0.840	112316	
07/18/2021	01:30	2.90	12:45	3.75	3.24	04:00	1.18	13:40	3.69	3.01	04:00	0.270	12:40	1.123	0.803	107305	
07/19/2021	23:50	2.87	08:55	3.56	3.21	05:35	1.20	19:15	4.06	3.10	05:35	0.296	11:40	1.132	0.804	107414	
07/20/2021	03:10	2.65	13:55	3.39	3.04	02:45	1.26	13:45	4.20	3.46	02:45	0.262	13:55	1.174	0.840	112259	
07/21/2021	05:00	2.60	12:00	3.33	2.97	03:40	1.23	09:00	4.09	3.35	03:40	0.240	09:00	1.038	0.782	104544	
07/22/2021	06:05	2.56	09:05	3.35	2.98	02:35	1.57	21:25	3.85	3.28	05:05	0.297	08:35	1.012	0.773	103329	
07/23/2021	03:45	2.63	19:25	3.50	3.10	02:35	1.37	12:55	4.16	3.42	02:35	0.277	12:40	1.189	0.853	114023	0.01
07/24/2021	04:25	2.89	19:05	11.67	4.06	03:30	1.43	18:30	6.06	3.66	03:25	0.328	19:05	8.071	1.596	213334	0.08
07/25/2021	06:20	2.73	01:35	5.35	3.23	04:05	1.51	01:30	5.24	3.41	04:05	0.326	01:35	2.856	0.924	123514	
07/26/2021	16:15	2.87	10:10	3.45	3.09	04:50	0.96	12:10	3.60	2.65	04:50	0.211	11:15	0.951	0.653	87359	
07/27/2021	18:00	2.86	08:30	3.49	3.04	03:45	0.98	20:10	3.70	2.75	03:45	0.222	08:50	0.966	0.656	87729	
07/28/2021	03:40	2.57	11:20	3.41	3.05	01:15	1.58	11:05	3.68	3.11	04:50	0.307	11:20	1.037	0.756	101094	0.01
07/29/2021	01:35	2.86	04:00	4.44	3.18	01:05	1.70	04:00	4.96	3.47	01:20	0.392	04:00	2.071	0.900	120274	0.10
07/30/2021	07:20	2.66	11:20	3.24	2.91	01:55	1.36	08:20	3.66	3.08	01:55	0.287	11:20	0.933	0.694	92827	
07/31/2021	02:55	2.52	11:30	3.30	2.82	02:25	1.27	11:45	3.73	2.99	02:25	0.238	11:30	1.001	0.651	87063	
08/01/2021	04:50	2.51	10:50	3.21	2.93	07:05	1.15	14:15	3.60	2.78	07:05	0.230	11:05	0.921	0.641	85697	
08/02/2021	05:00	2.68	09:05	3.30	3.00	03:00	1.20	15:30	3.57	2.57	03:30	0.246	15:15	0.938	0.614	82064	
08/03/2021	03:55	2.50	13:15	3.07	2.86	03:40	1.18	20:55	3.58	2.82	03:40	0.215	12:35	0.838	0.622	83174	
08/04/2021	04:00	2.49	10:20	3.62	2.88	05:15	1.39	10:10	4.12	2.80	04:40	0.249	10:20	1.269	0.633	84567	
08/05/2021	03:55	2.64	10:00	3.36	3.08	03:00	1.16	12:35	3.39	2.48	03:40	0.235	12:35	0.918	0.618	82605	
08/06/2021	06:05	2.78	22:45	4.27	3.16	03:55	1.22	22:40	5.06	2.71	03:55	0.259	22:45	1.993	0.715	95638	0.13
08/07/2021	05:30	2.39	13:05	3.35	2.91	04:35	1.33	00:00	3.81	2.97	05:30	0.226	00:00	1.033	0.679	90769	
08/08/2021	05:40	2.73	11:40	3.48	3.00	06:15	1.06	14:35	3.65	2.84	06:15	0.219	12:25	1.031	0.675	90209	0.01
08/09/2021	05:50	2.50	20:50	16.77	4.44	06:55	1.18	20:35	7.34	3.49	06:55	0.229	20:55	18.901	2.282	305064	1.42
08/10/2021	17:05	2.40	20:45	15.90	3.78	04:10	3.02	20:10	7.67	4.12	05:05	0.520	20:20	20.034	1.879	251180	0.91
08/11/2021	05:25	2.40	12:10	3.87	2.87	04:55	3.02	12:00	4.93	3.90	05:00	0.513	12:20	1.650	0.867	115918	0.08
08/12/2021	00:55	2.54	16:00	3.42	2.92	01:45	1.45	18:10	3.81	3.07	01:45	0.272	17:45	1.001	0.698	93359	
08/13/2021	01:15	2.49	14:15	3.13	2.82	01:45	1.35	14:15	4.04	3.16	01:45	0.243	14:15	1.008	0.677	90445	
08/14/2021	07:10	2.47	20:10	3.34	2.89	02:25	1.39	11:15	4.07	3.10	02:25	0.258	10:55	1.014	0.698	93316	
08/15/2021	05:10	2.62	12:25	3.63	2.96	05:15	1.27	13:40	3.97	2.90	05:15	0.246	12:25	1.113	0.679	90803	
08/16/2021	23:30	2.76	09:50	3.58	3.01	05:20	0.94	21:30	3.58	2.67	05:20	0.208	09:50	0.957	0.631	84399	
08/17/2021	16:10	2.69	08:40	3.27	2.95	03:20	1.22	21:25	4.14	3.03	03:20	0.268	21:30	1.041	0.692	92481	
08/18/2021	01:40	2.42	22:20	3.27	2.90	01:25	1.31	09:40	3.79	3.11	01:25	0.238	19:45	0.984	0.704	94132	
08/19/2021	02:20	2.60	09:20	3.41	3.00	01:55	1.44	08:45	3.78	3.09	01:55	0.284	09:20	1.027	0.731	97748	
08/20/2021	05:05	2.72	10:45	3.37	3.03	01:30	1.52	09:55	3.56	3.10	01:30	0.328	10:45	0.977	0.740	98904	
08/21/2021	05:00	2.48	10:40	3.45	3.00	03:05	1.31	11:10	4.01	2.96	03:05	0.270	11:05	1.066	0.712	95180	
08/22/2021	05:40	2.68	12:20	3.50	3.09	05:50	1.33	20:25	3.63	2.85	05:50	0.266	12:20	1.028	0.712	95195	
08/23/2021	05:30	2.78	13:15	3.71	3.10	03:25	1.04	13:30	4.16	2.87	03:25	0.225	13:25	1.326	0.718	95949	
08/24/2021	04:45	2.43	18:30	17.78	4.59	01:30	1.28	18:40	8.05	3.70	01:30	0.244	18:40	24.507	2.756	368456	1.71
08/25/2021	04:35	2.74	00:00	3.64	3.25	04:35	3.31	00:00	4.48	4.00	04:35	0.676	00:00	1.396	1.053	140772	0.09
08/26/2021	18:25	2.61	00:40	3.66	2.99	04:50	1.19	00:05	4.63	3.63	04:50	0.243	00:15	1.396	0.857	114538	0.01
08/27/2021	03:10	2.57	22:20	3.29	2.99	04:30	1.26	08:40	4.10	3.18	04:30	0.245	17:05	0.977	0.755	100891	
08/28/2021	02:30	2.82	17:00	5.19	3.21	01:55	1.36	16:55	5.60	3.28	01:55	0.292	17:00	2.836	0.890	118947	0.09
08/29/2021	04:45	2.82	14:55	4.01	3.28	03:55	1.18	15:40	3.97	2.94	03:55	0.271	14:55	1.411	0.807	107820	0.09
08/30/2021	02:50	2.98	09:00	3.59	3.28	05:10	0.98	20:50	3.64	2.74	05:10	0.236	20:50	1.060	0.745	99608	
08/31/2021	03:35	2.69	09:35	3.51	3.12	03:25	1.47	09:05	3.61	3.03	03:25	0.310	09:05	1.041	0.761	101712	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			18581430	11.87
Avg	3.22	3.29	0.944	

Evanston, IL

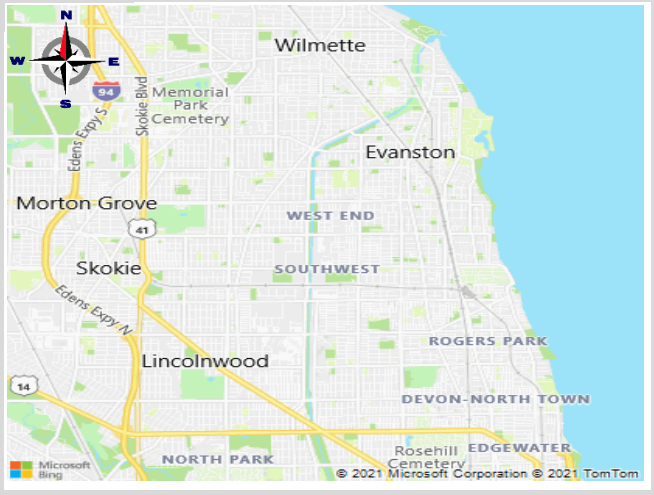
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

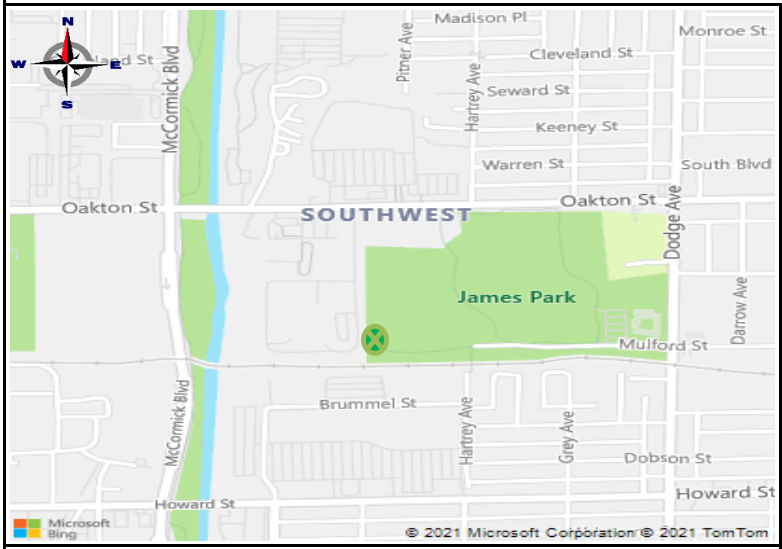
B1302000

Site Address /Location:	Access from Mulford St. (end of drive)			Monitor Series	Location Type
				TRITON+ VZ	Temporary
Site Access Details:	continue West on dirt road; MH is by a green post with cone on top of it	Latitude:	42.022905	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.706464	54 x 54	Circular



Manhole #	System Characteristics
B13_02000	Commercial
Access	Traffic
Drive	None







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, March 31, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
11:02:00 AM	54 x 54
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
12.00	40.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.50"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.5	5
Silt (in)	Silt Type
3.5	Soft / Loose

Hydraulic Comments:

Poor; Silt

Manhole / Pipe Information:

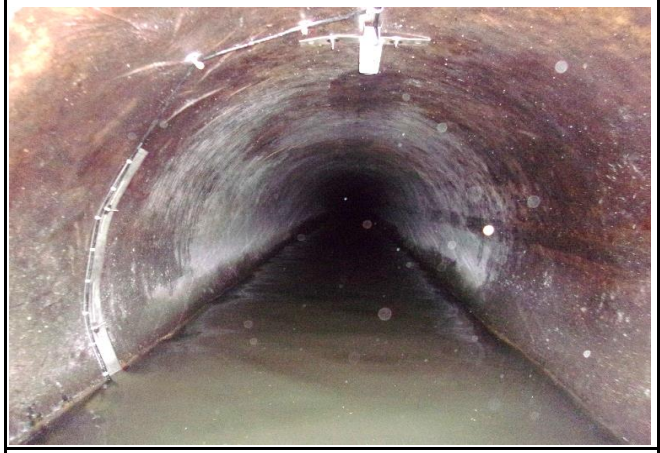
Manhole Depth (Approx. FT):	Manhole Configuration
19	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

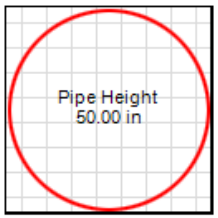
Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

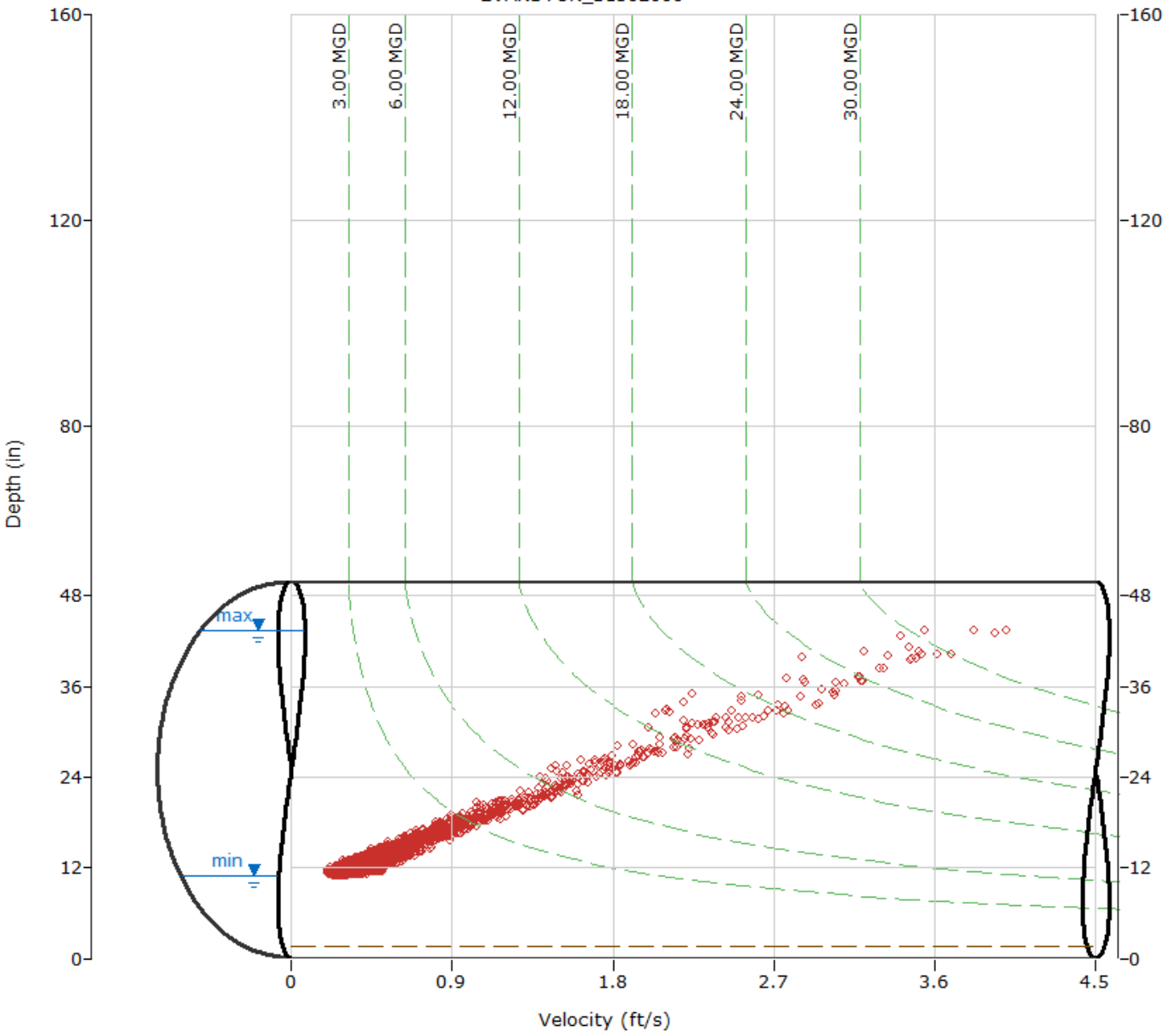


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



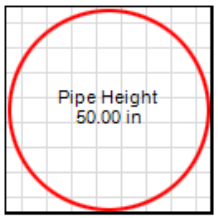
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

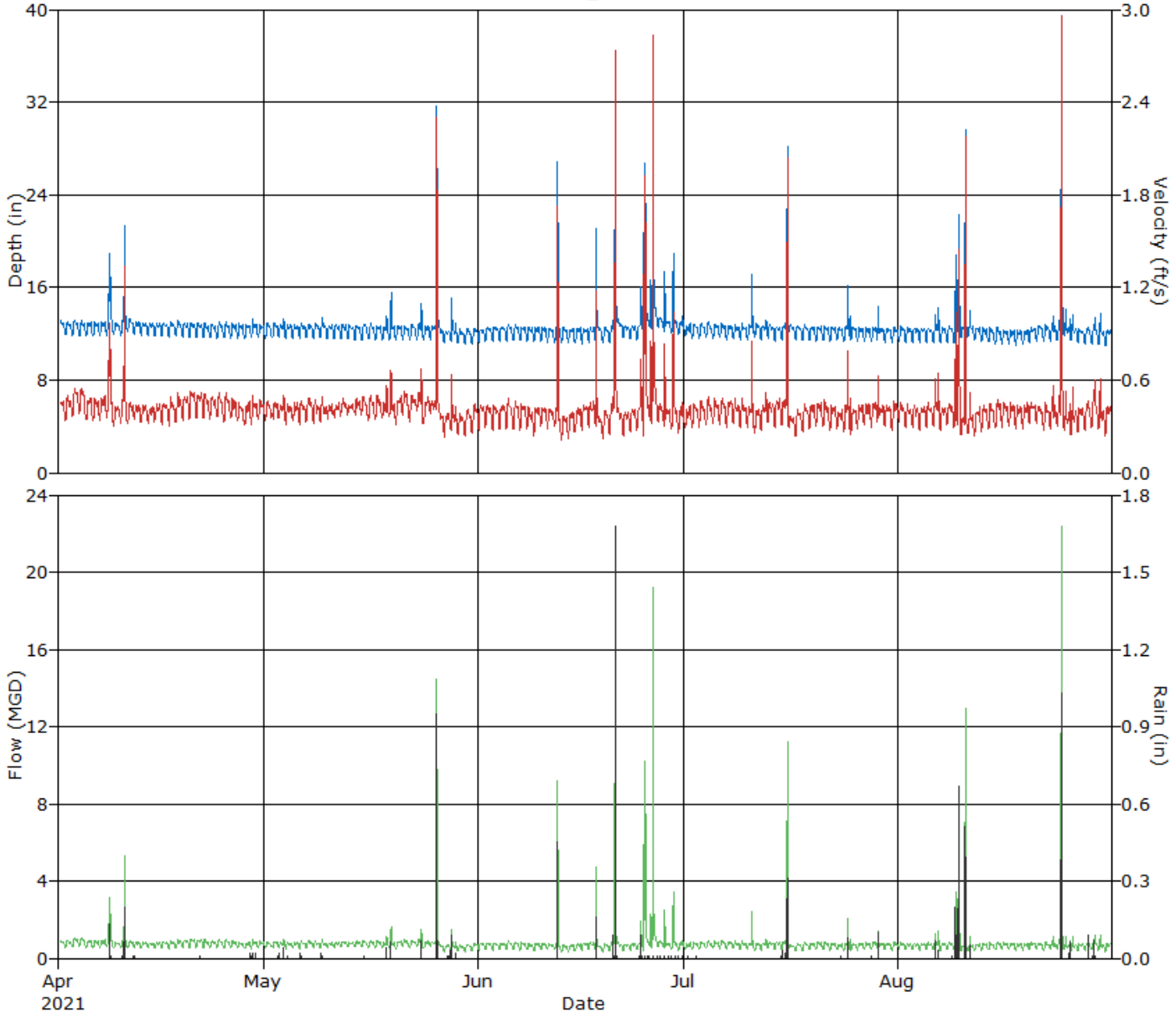


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



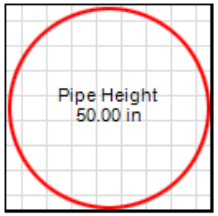
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

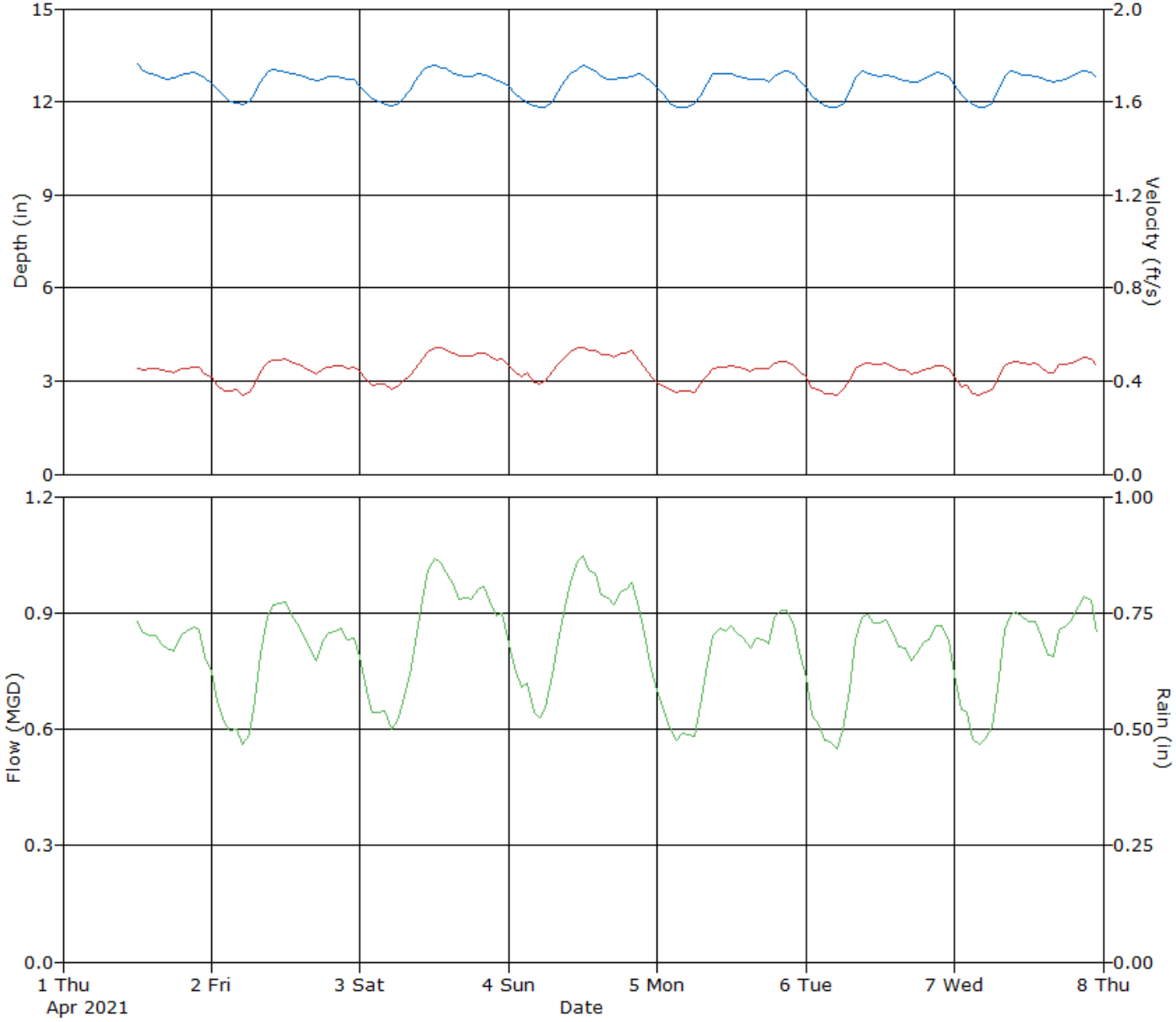


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



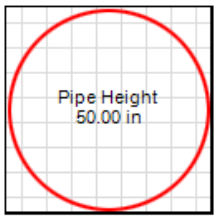
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

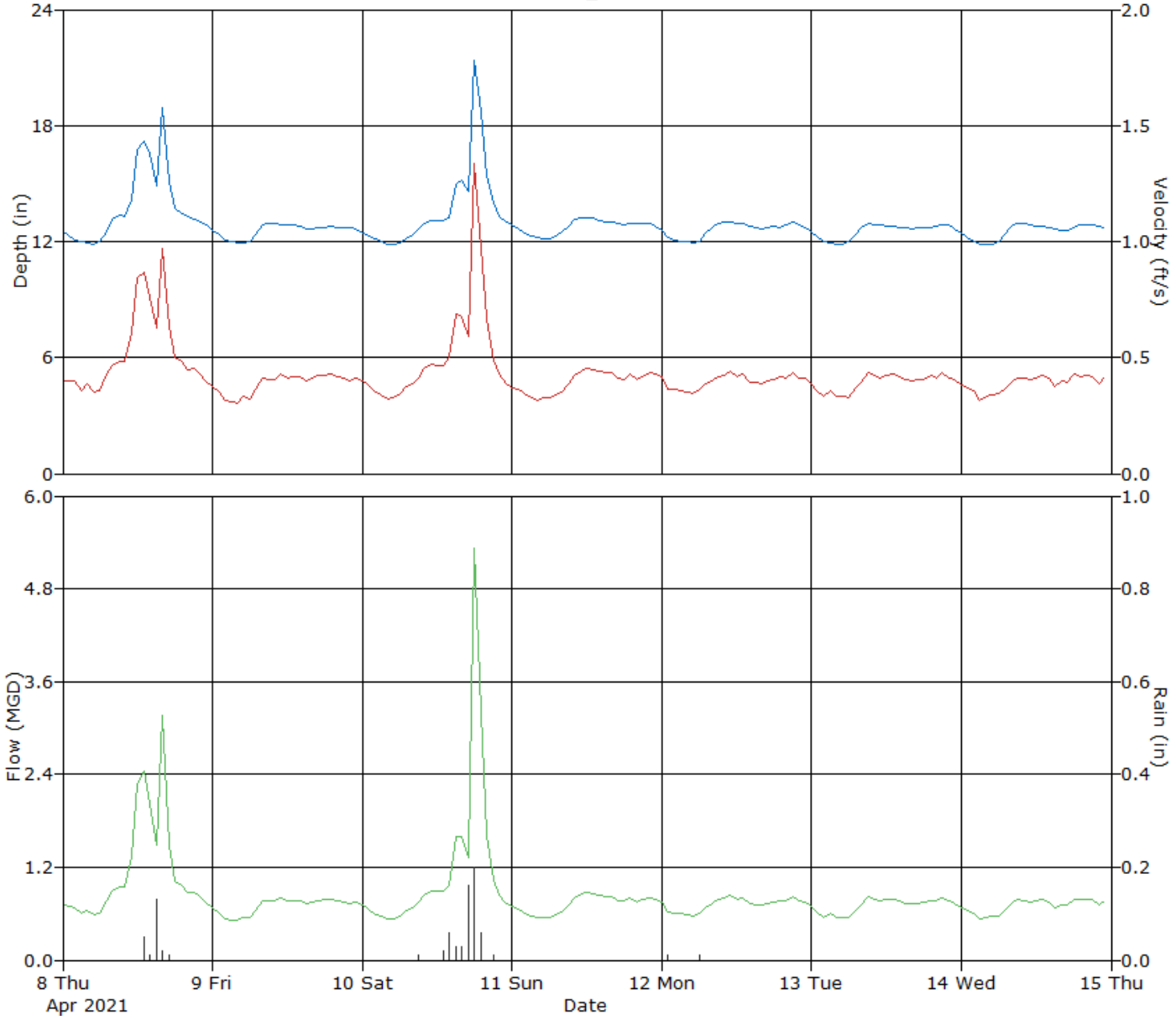


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



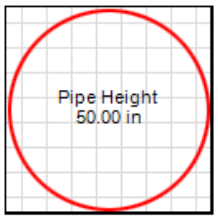
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

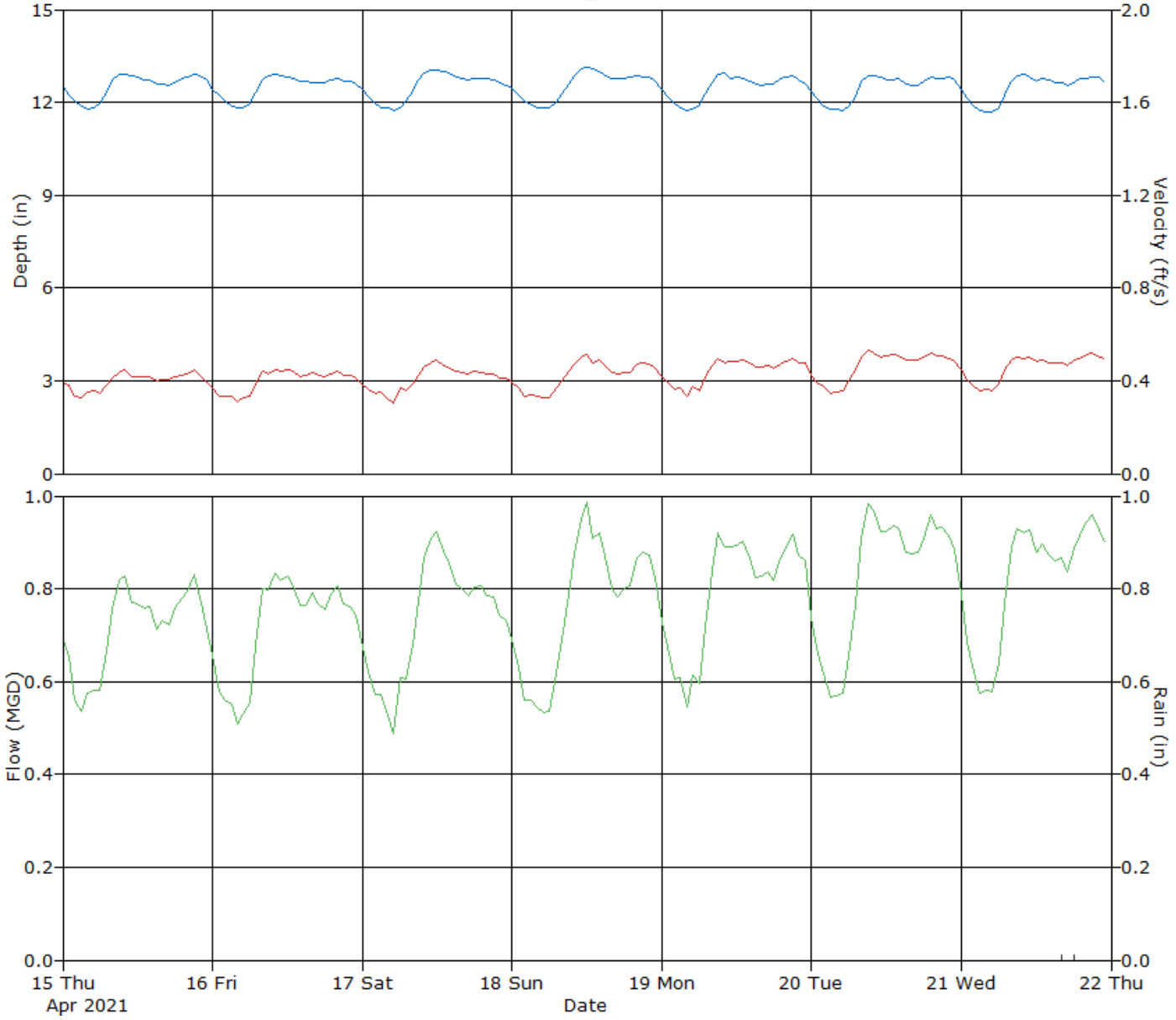


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



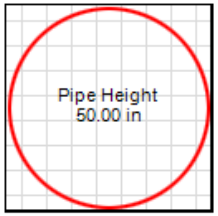
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

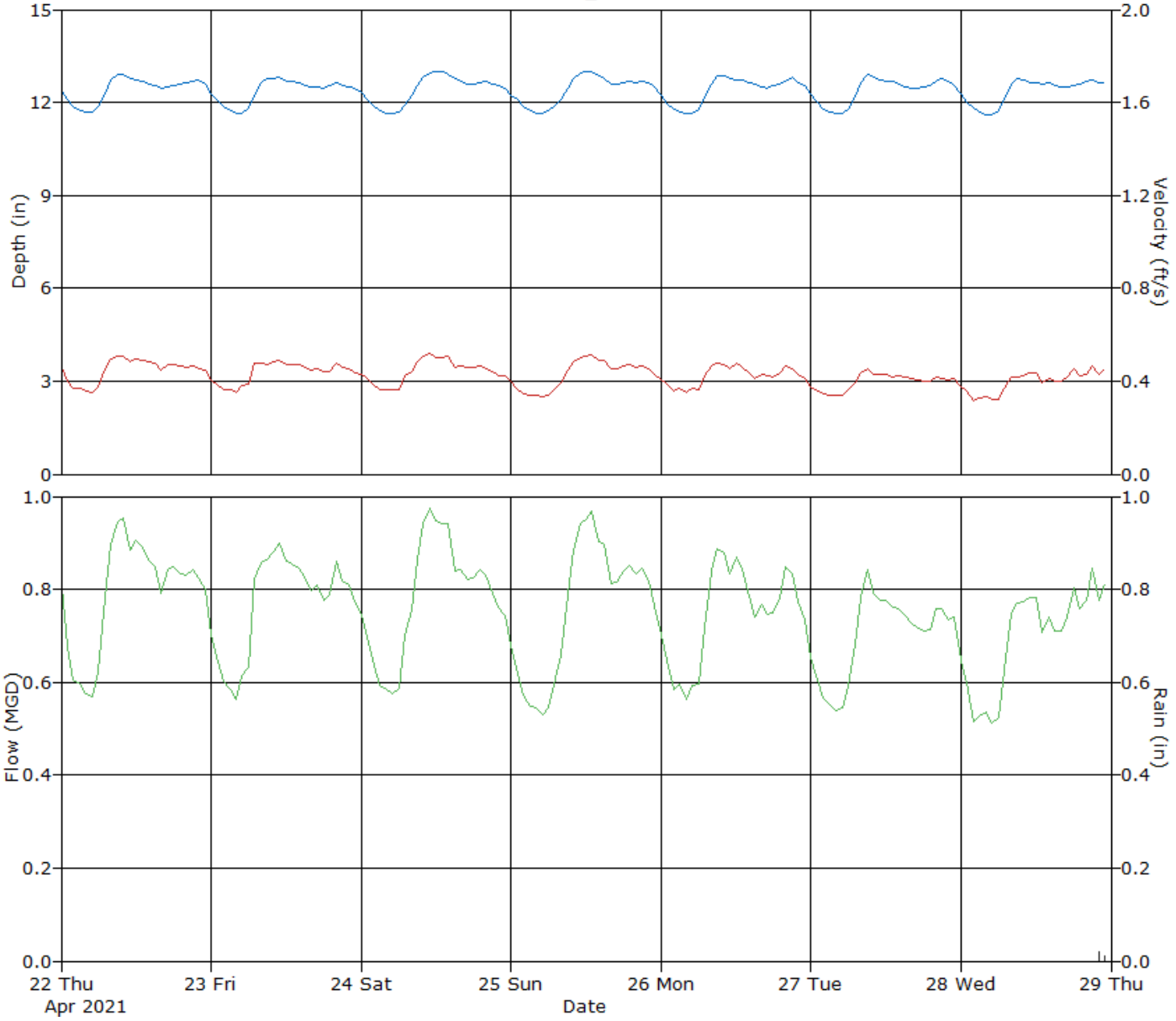


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



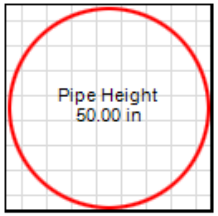
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

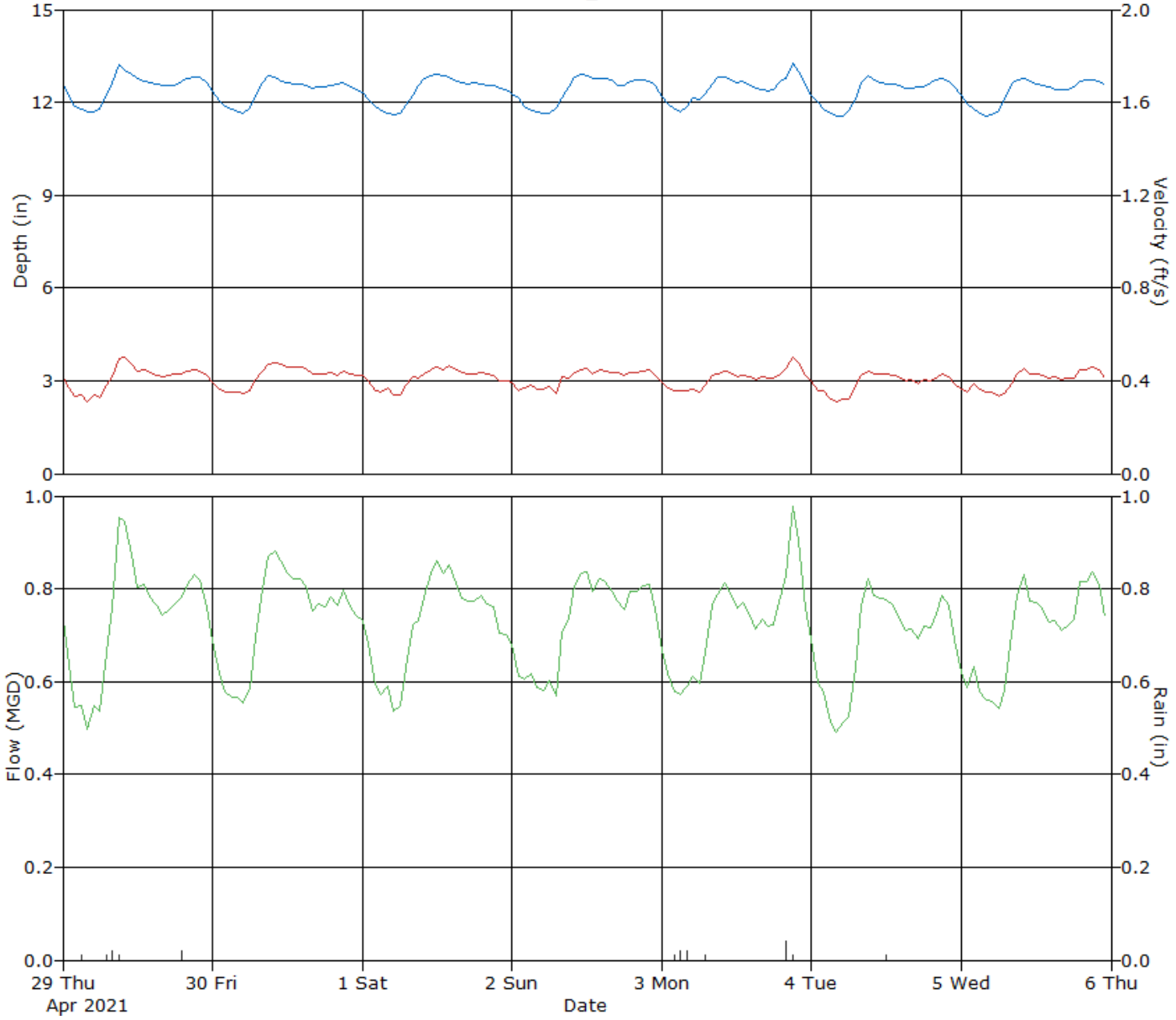


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



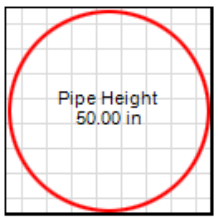
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

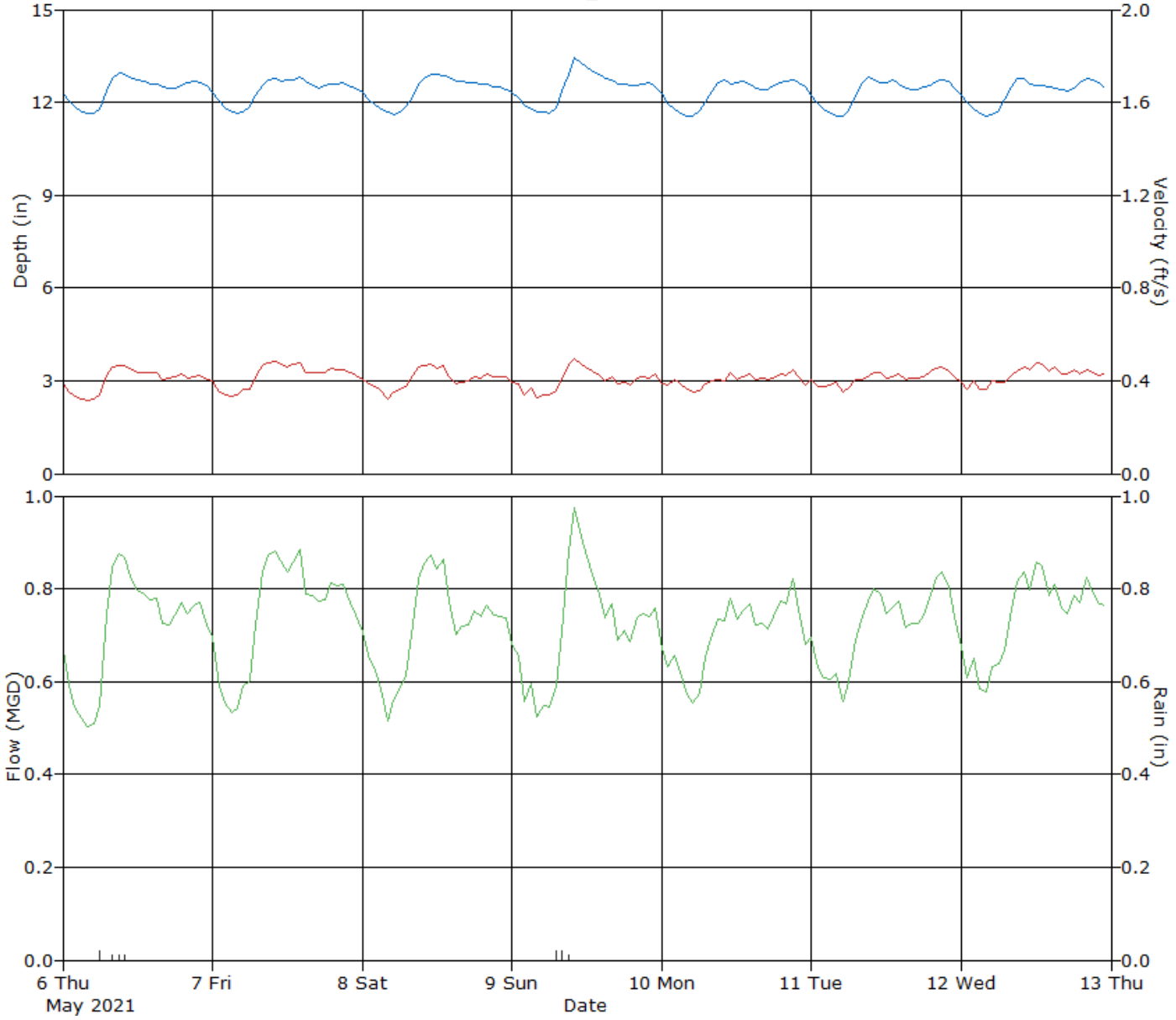


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



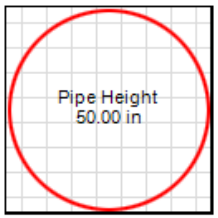
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

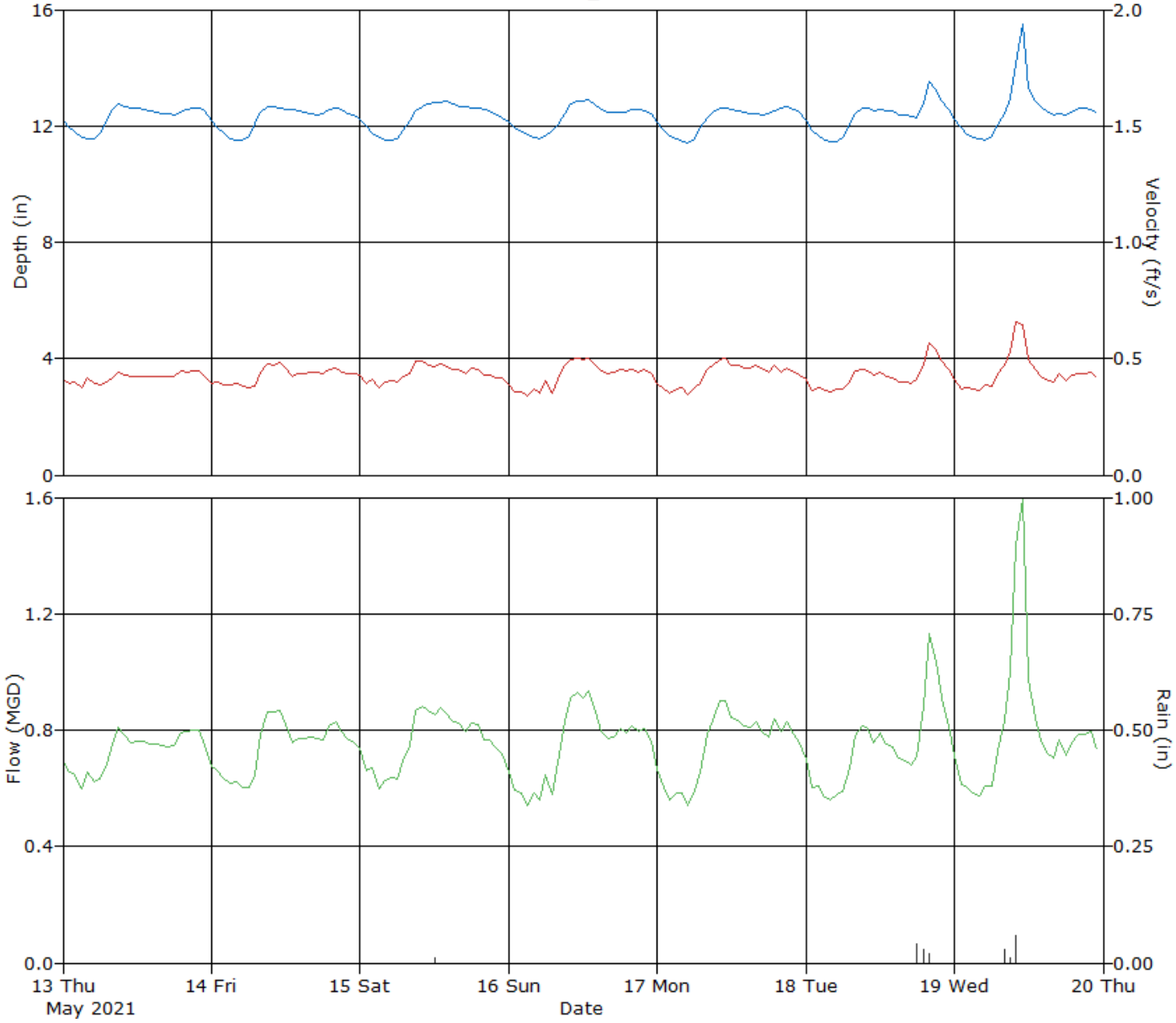


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



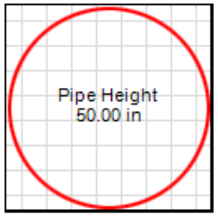
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

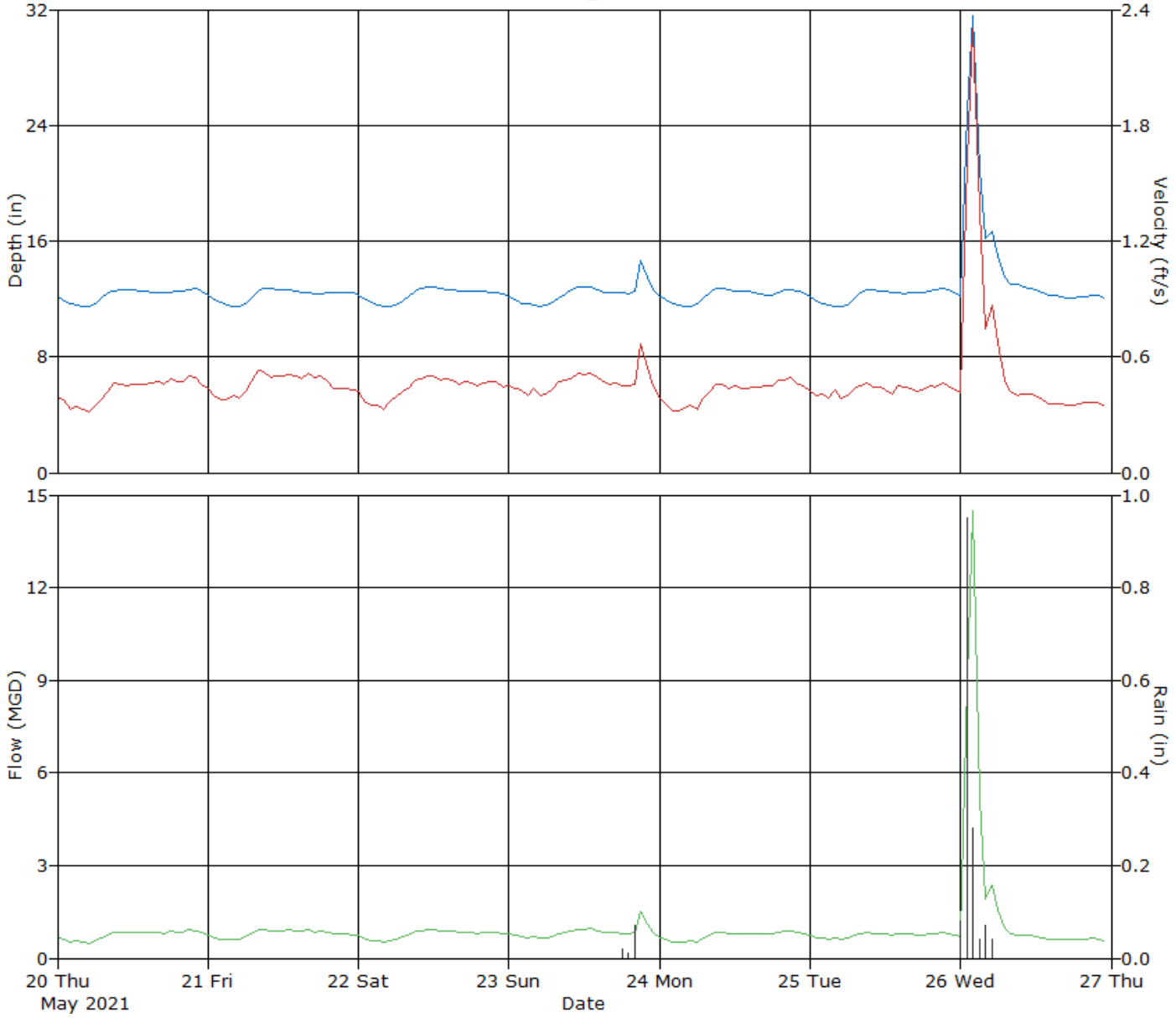


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



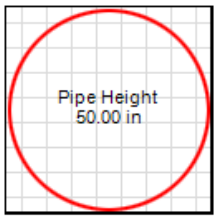
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

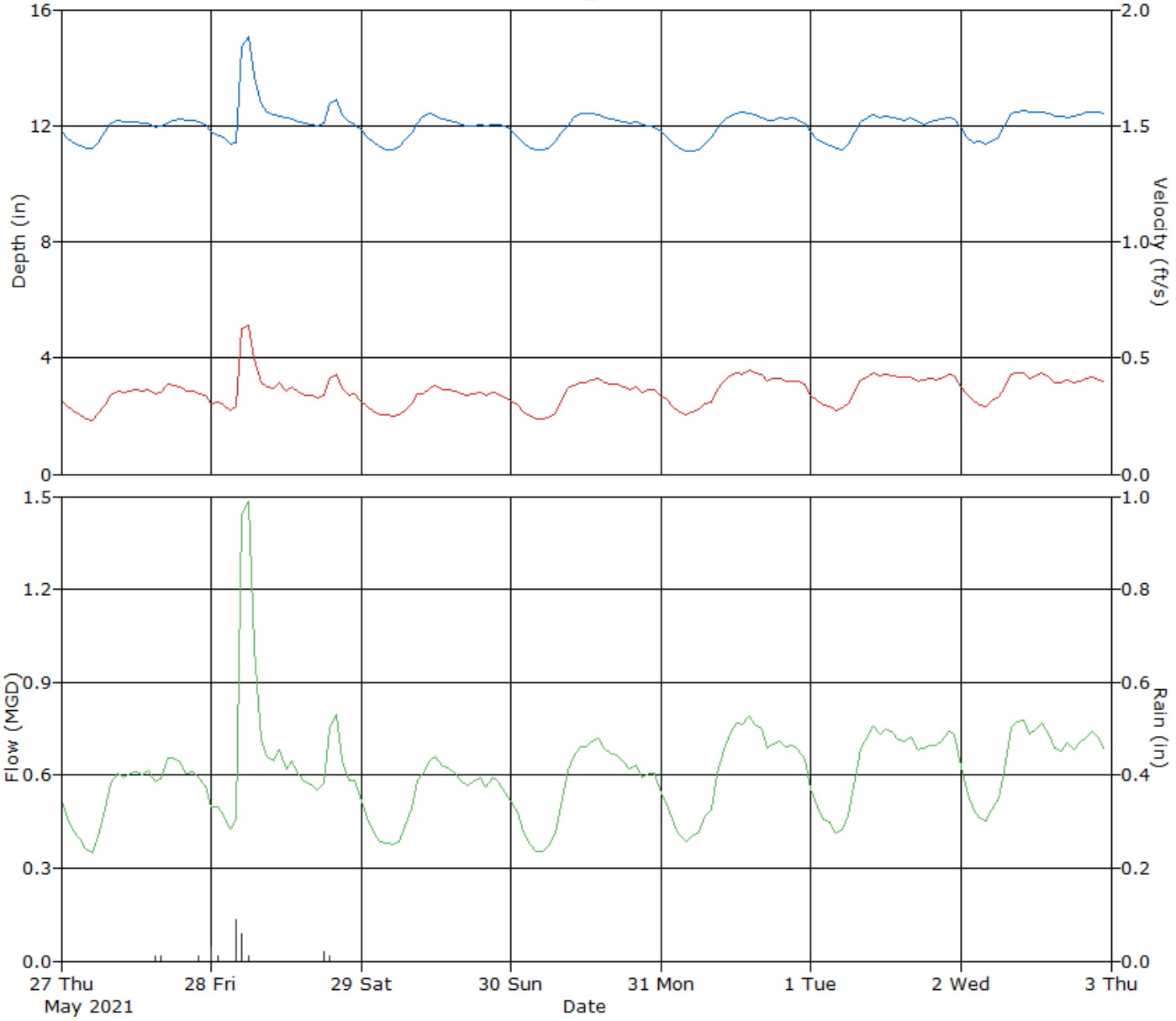


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



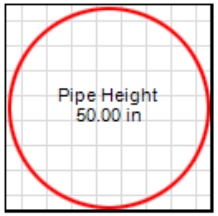
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

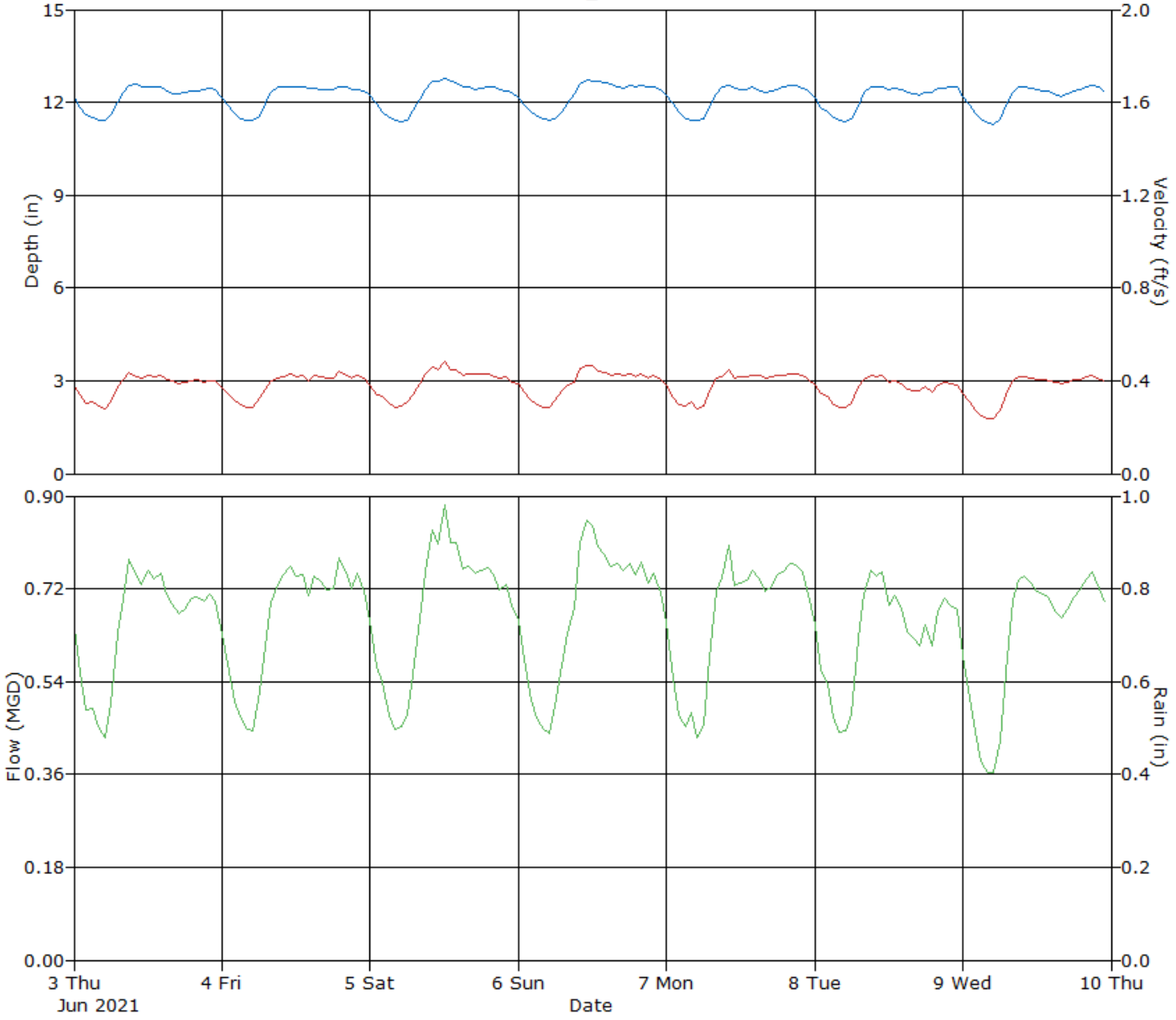


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



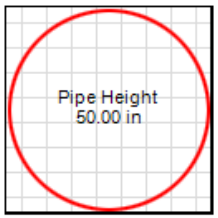
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

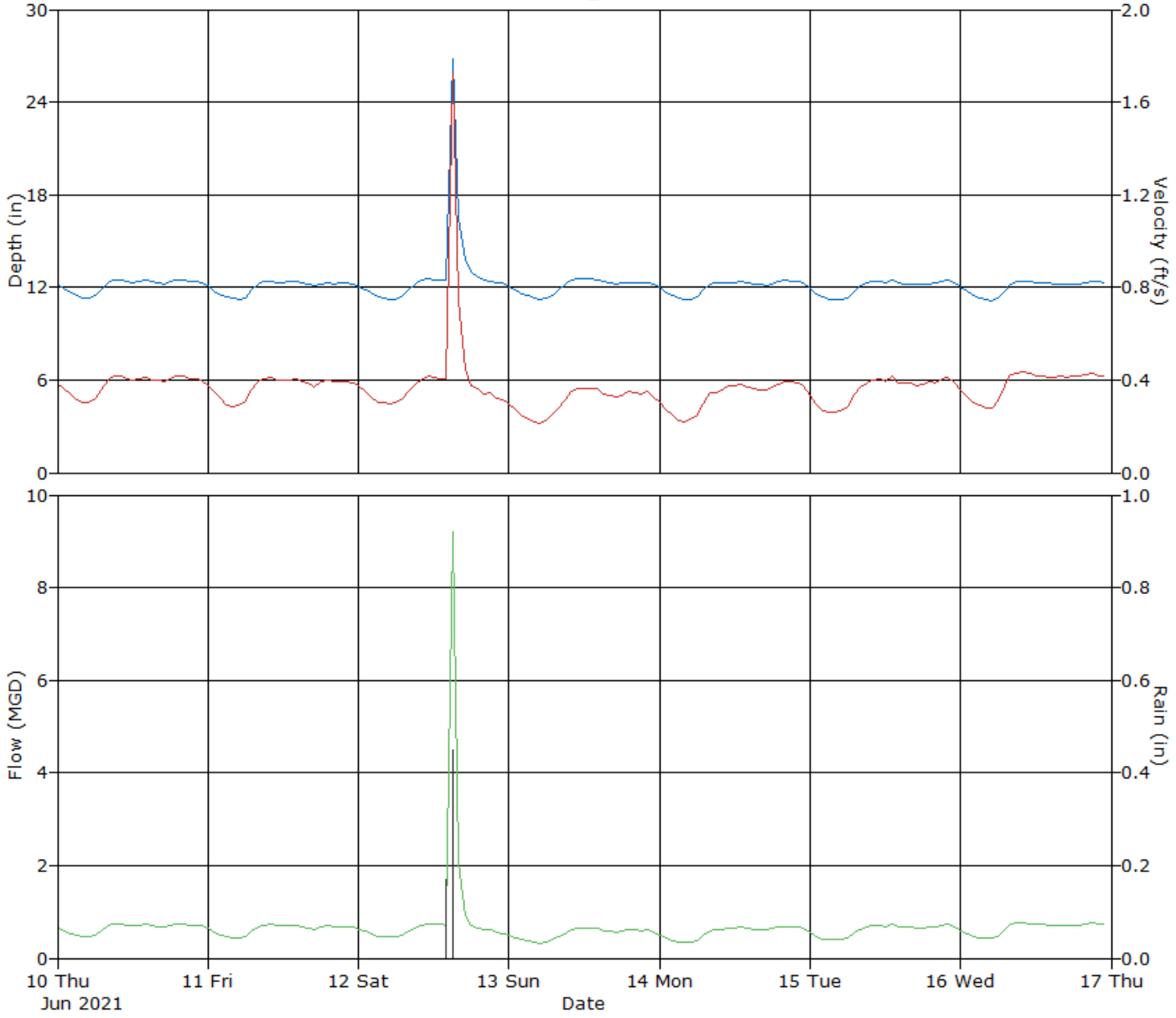


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



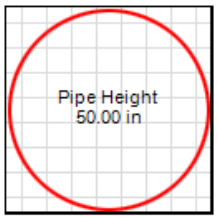
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

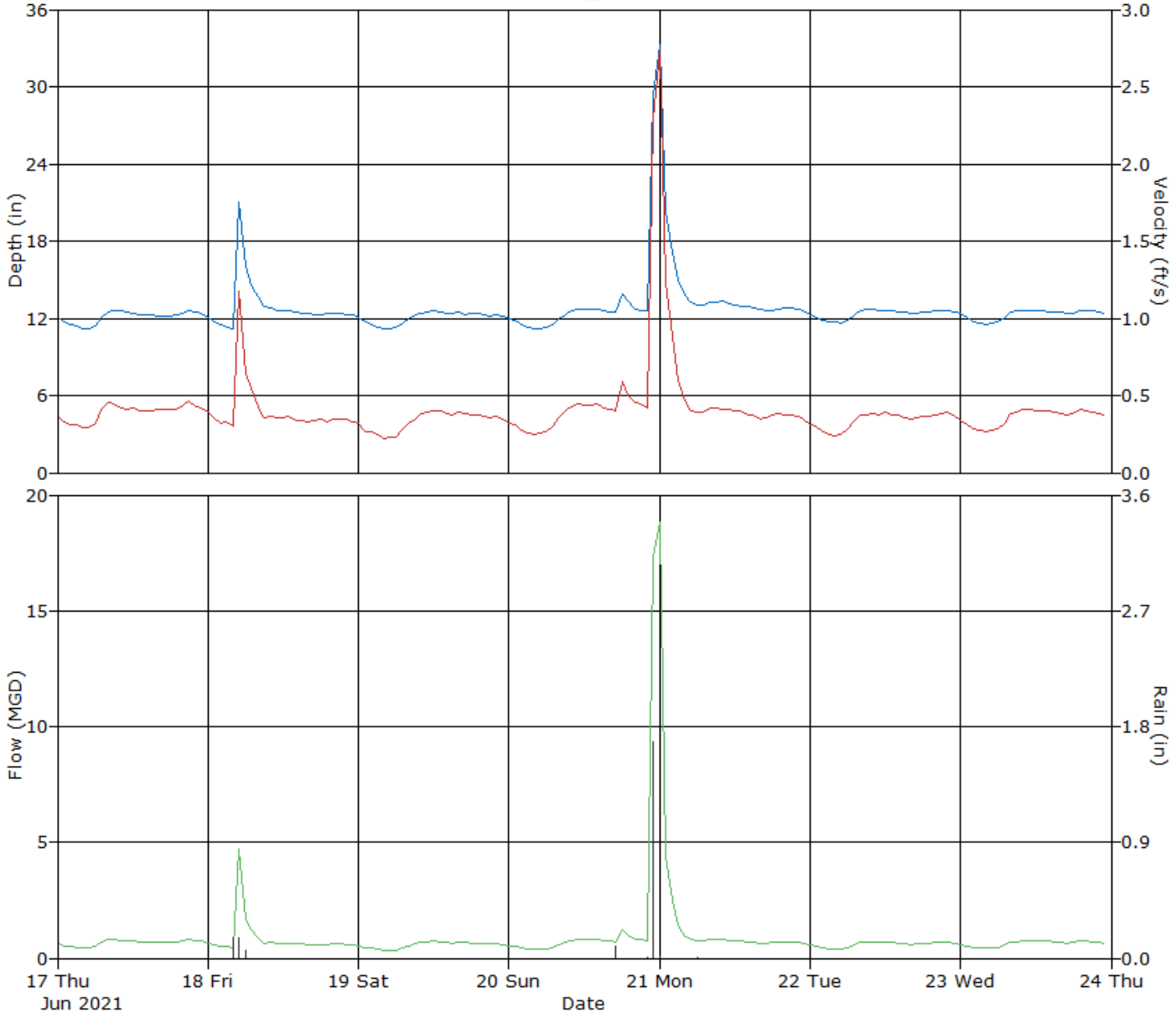


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



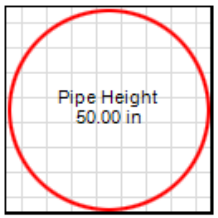
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

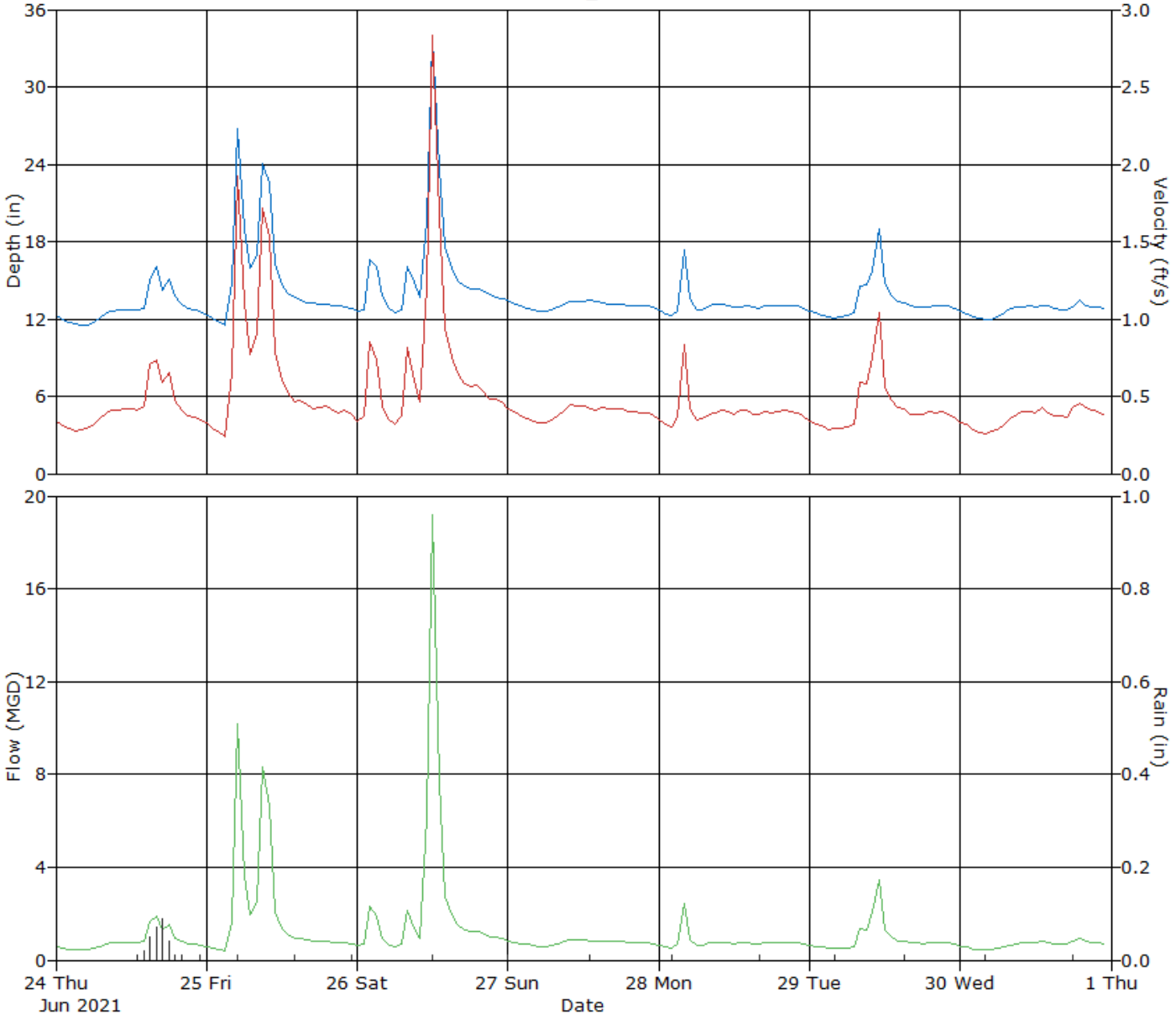


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



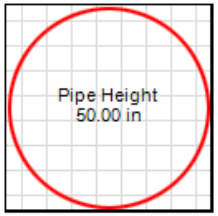
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

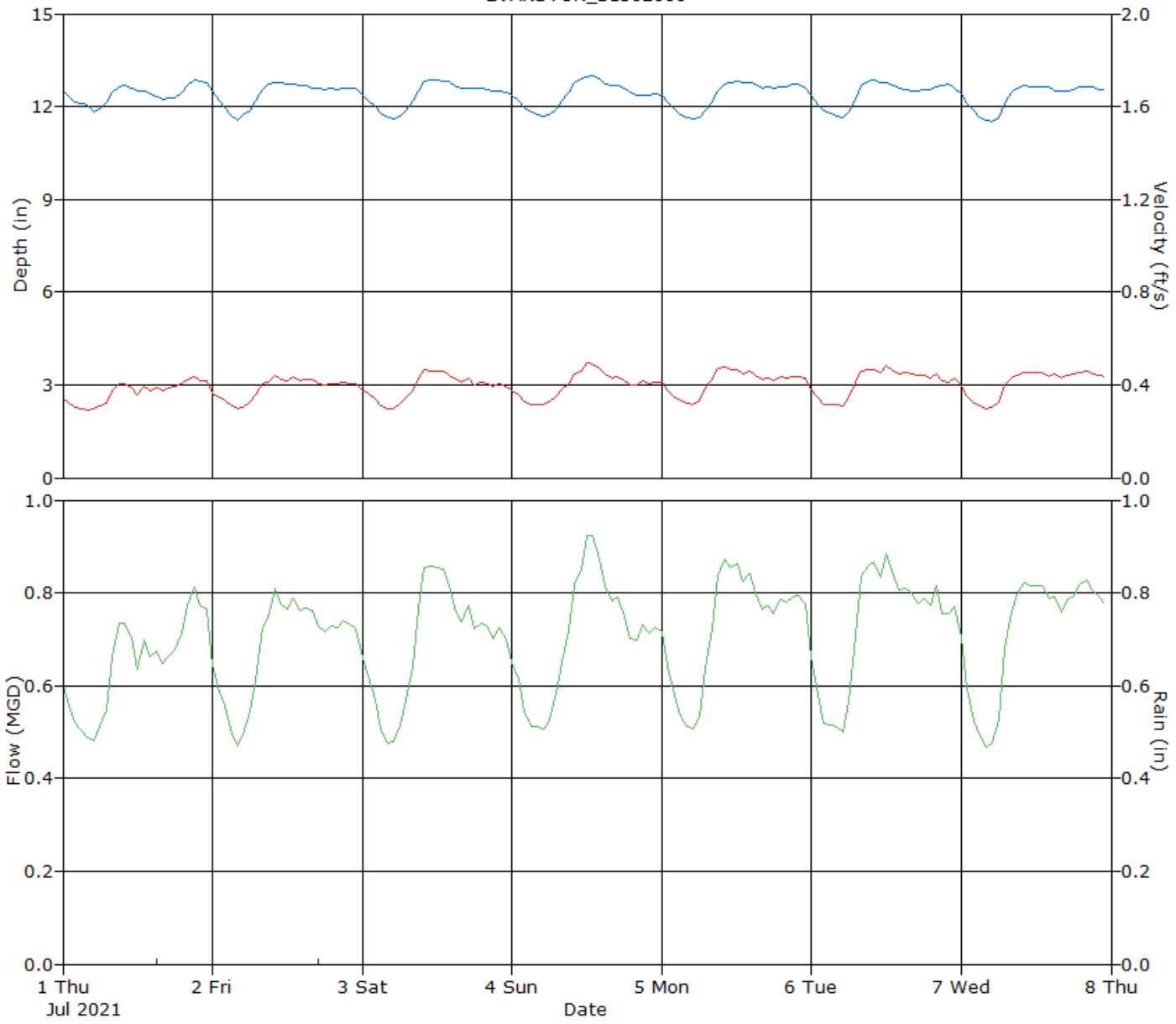


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



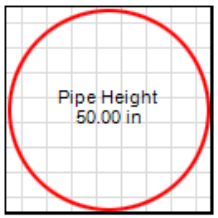
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

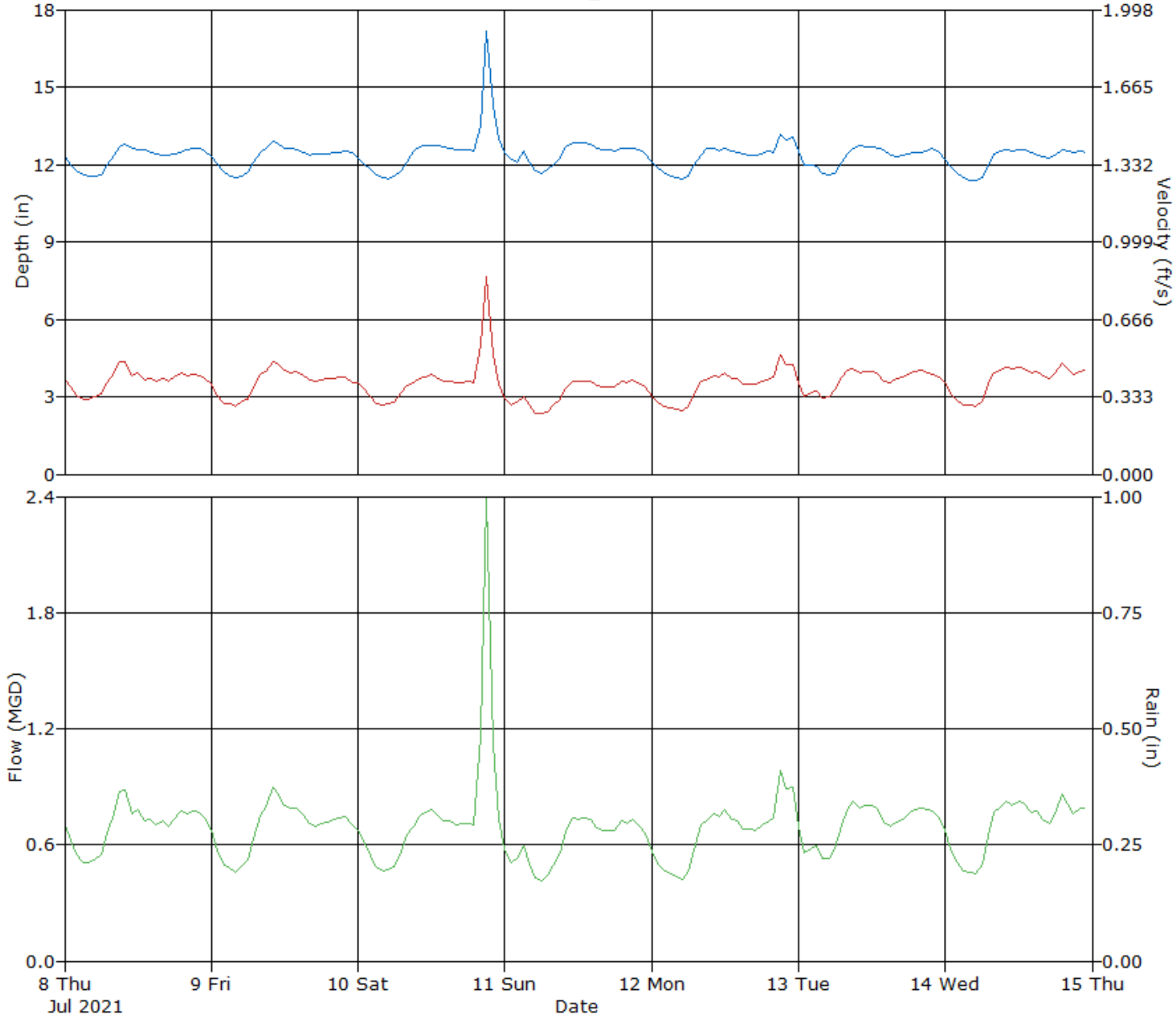


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



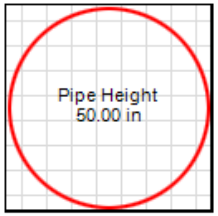
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

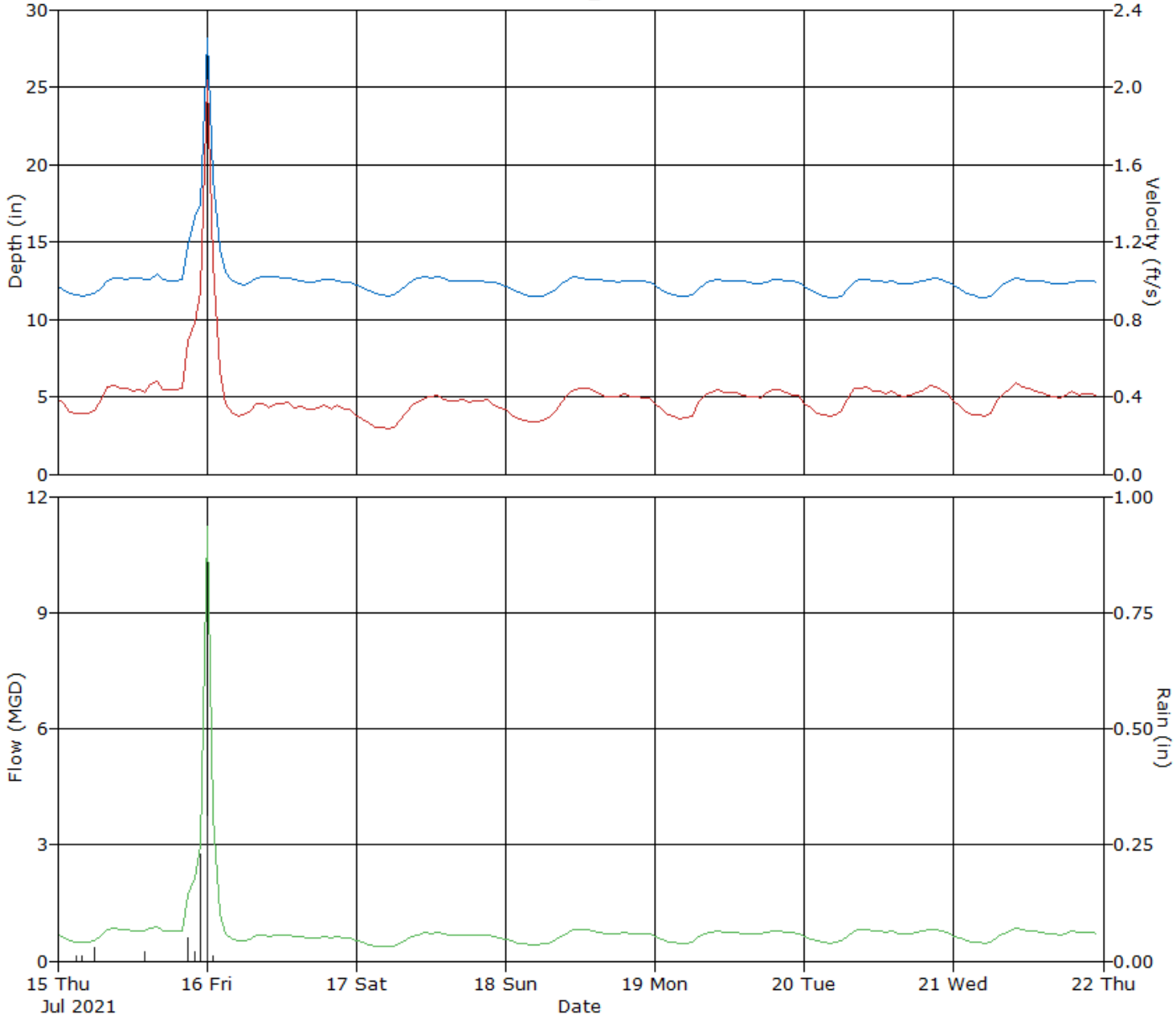


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



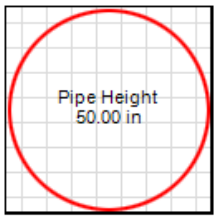
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

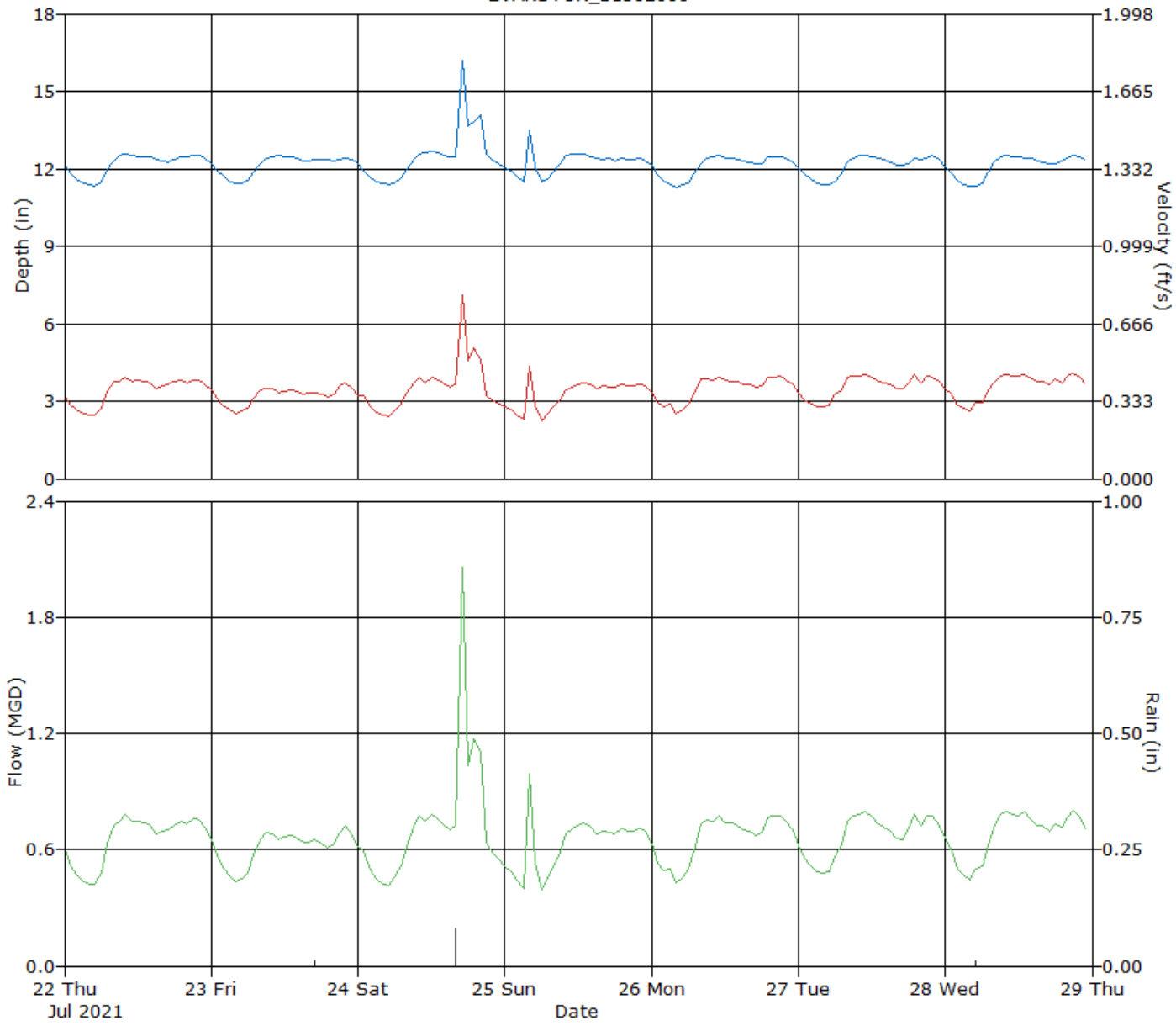


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



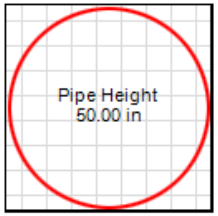
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

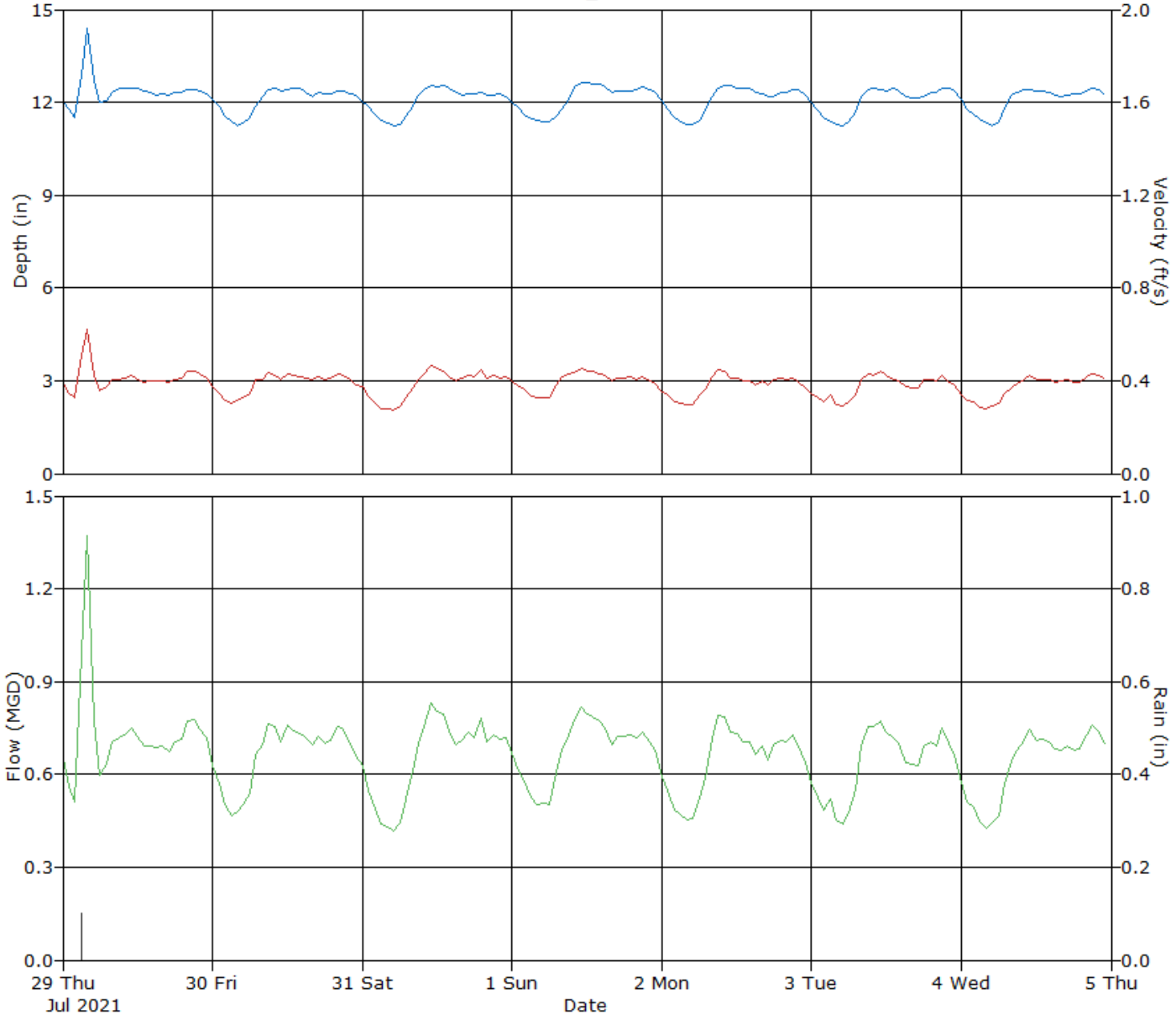


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



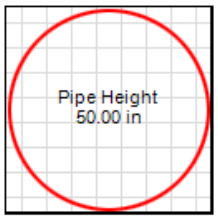
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

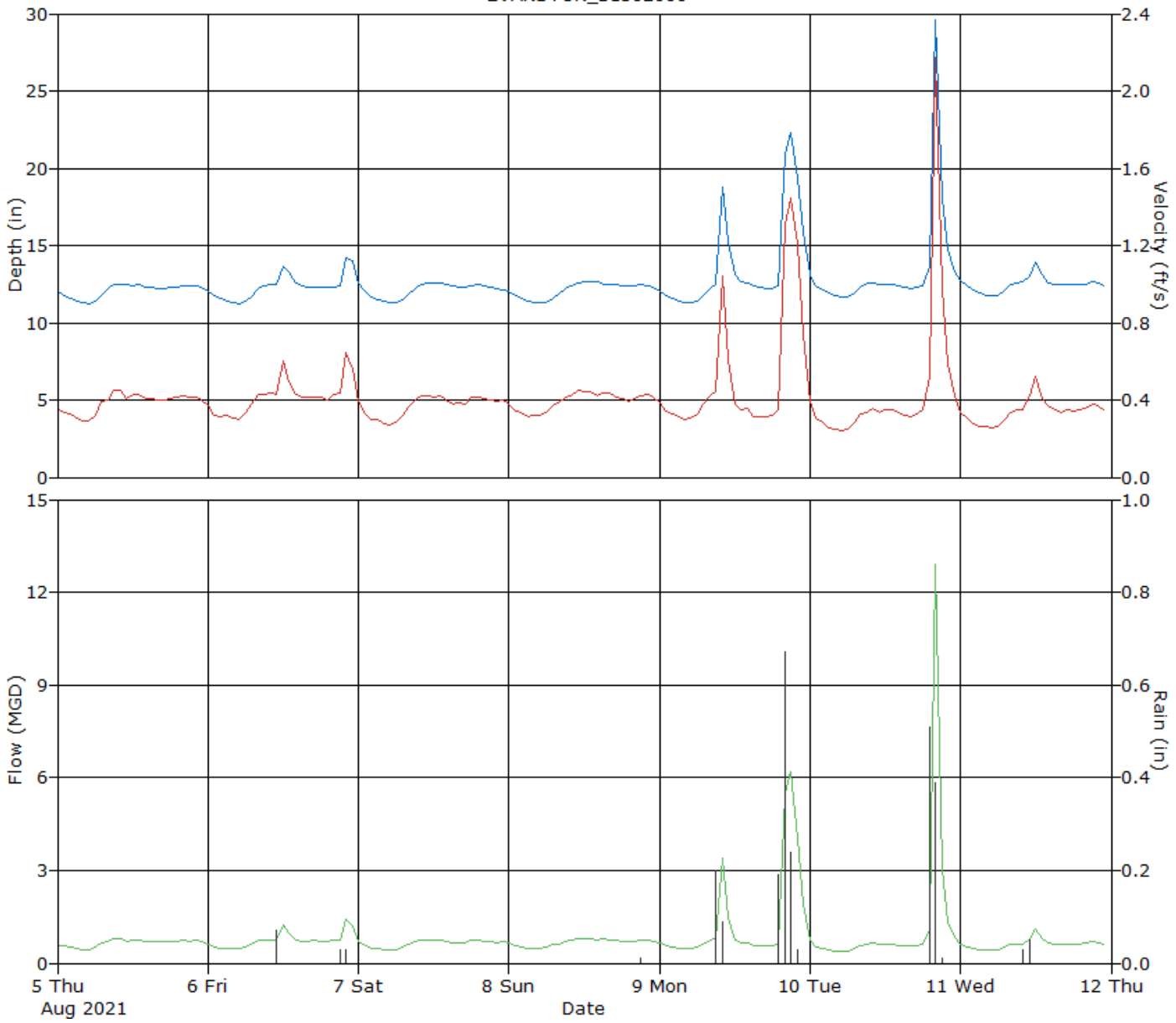


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



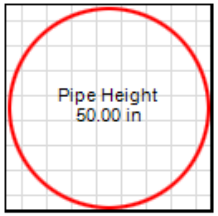
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

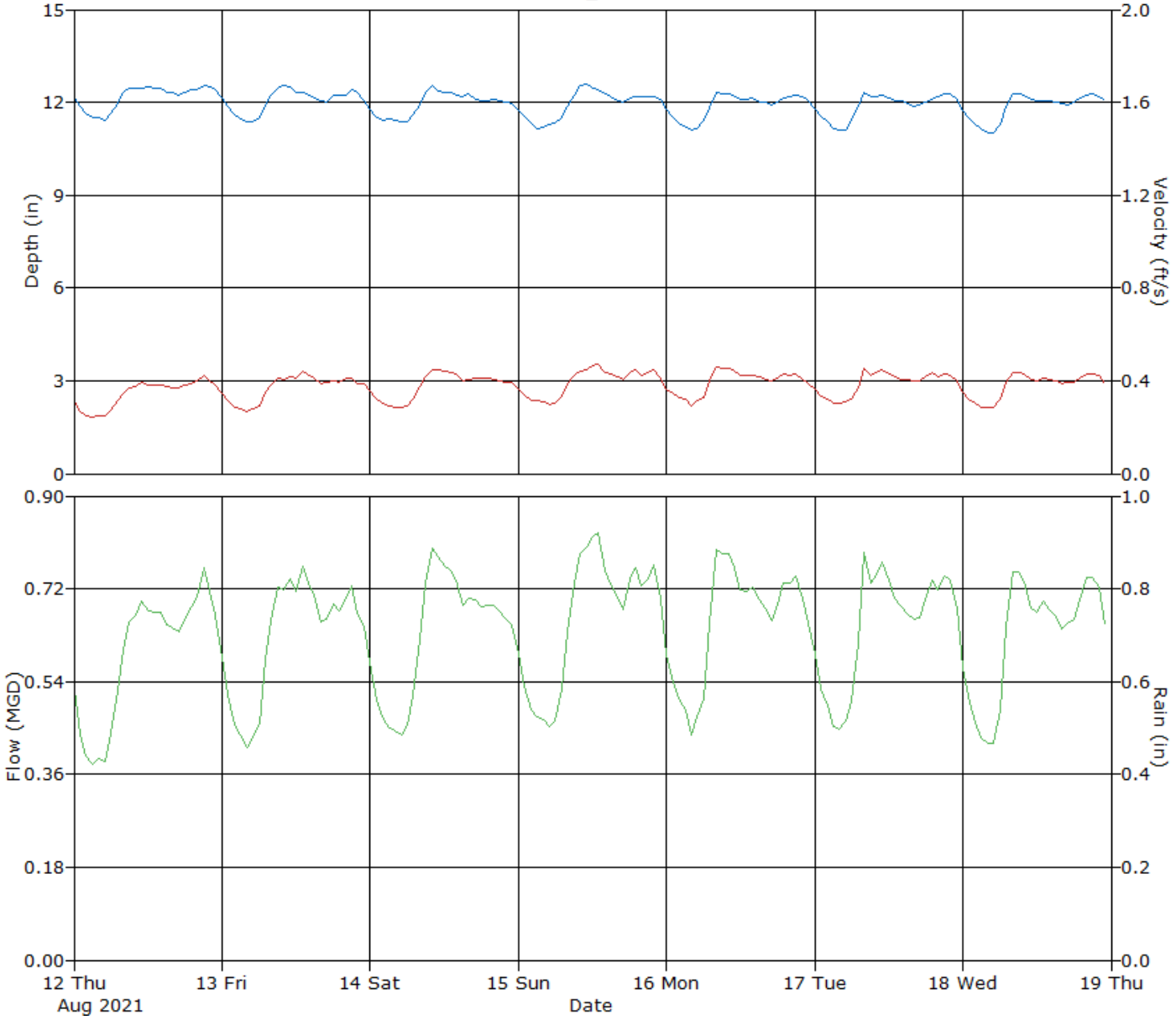


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



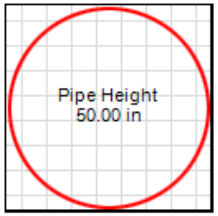
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

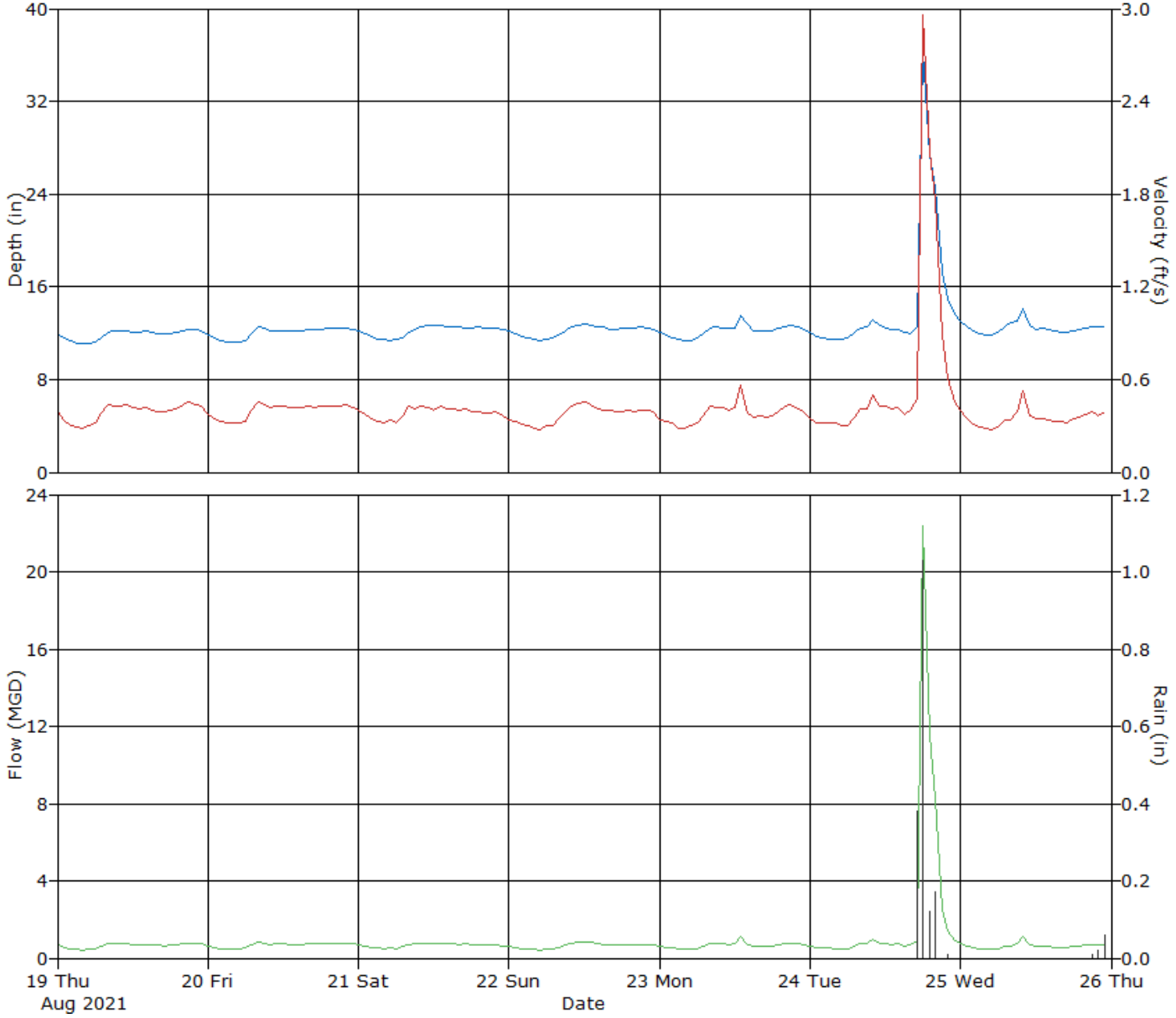


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



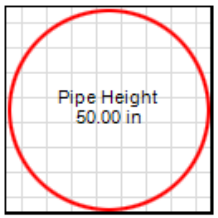
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1302000

Flow Monitor

EVANSTON_B1302000

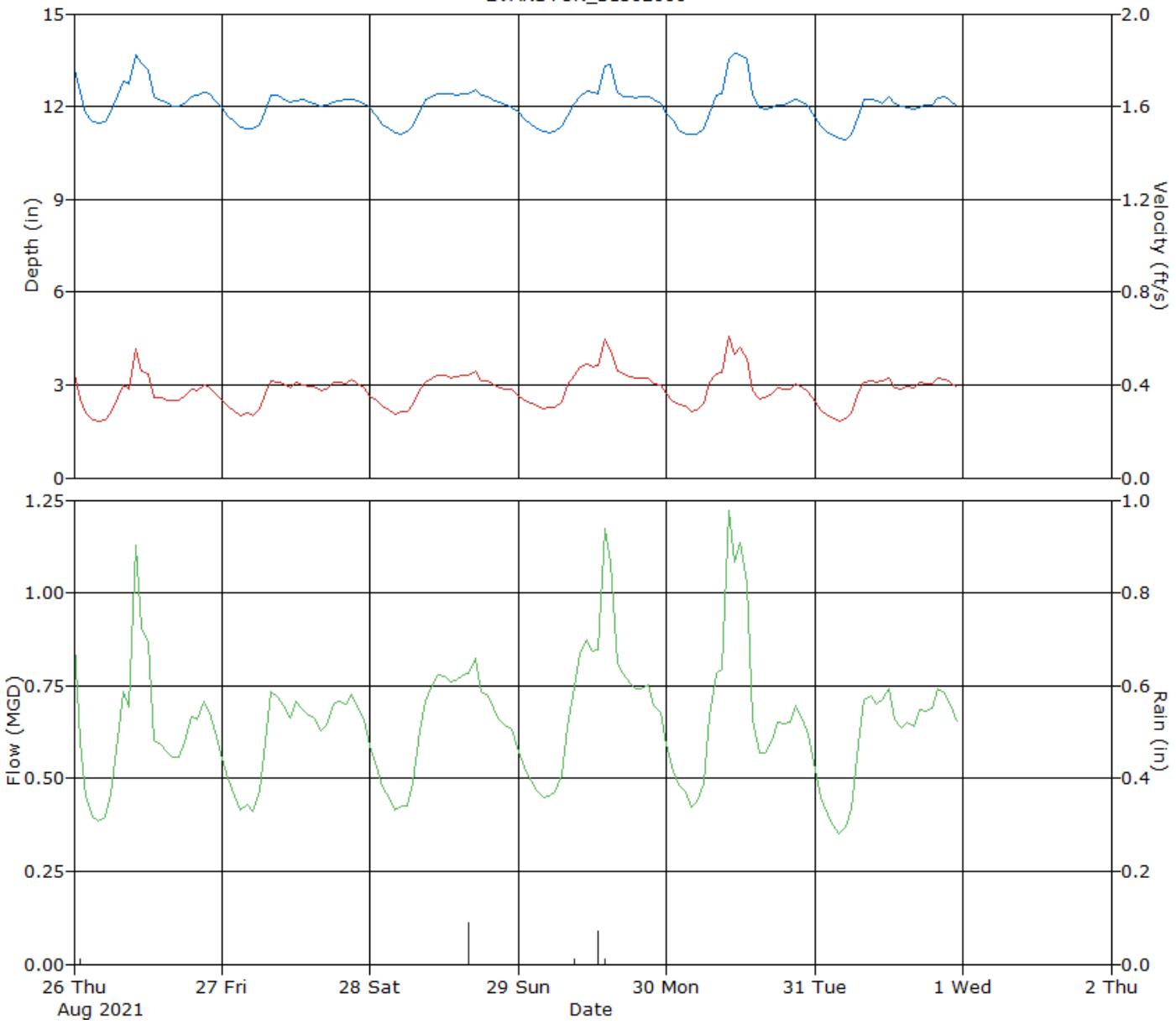


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B1302000, Pipe Height: 50.00 in, Silt: 1.50 in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021	23:55	12.68	12:10	13.40	12.88	23:05	0.41	22:20	0.47	0.45	23:05	0.751	12:10	0.923	0.836	55115	
04/02/2021	05:45	11.90	10:35	13.04	12.60	05:50	0.32	11:35	0.50	0.43	05:50	0.536	11:35	0.942	0.781	104458	
04/03/2021	05:50	11.84	11:50	13.20	12.60	02:15	0.35	13:50	0.56	0.47	05:40	0.587	13:50	1.063	0.847	113199	
04/04/2021	06:00	11.80	12:40	13.17	12.57	05:15	0.37	21:00	0.56	0.48	05:15	0.611	12:55	1.058	0.862	115247	
04/05/2021	04:00	11.82	21:20	13.00	12.55	05:45	0.33	20:55	0.50	0.43	05:45	0.541	20:55	0.936	0.769	102832	
04/06/2021	05:15	11.79	09:40	13.02	12.55	03:15	0.32	10:40	0.48	0.43	03:15	0.532	09:50	0.913	0.769	102858	
04/07/2021	04:45	11.82	09:50	13.05	12.58	04:35	0.34	21:15	0.52	0.44	04:35	0.548	21:15	0.979	0.792	105846	
04/08/2021	05:35	11.85	16:10	20.64	13.75	00:25	0.31	16:15	1.15	0.52	06:05	0.533	16:15	4.146	1.148	153449	0.22
04/09/2021	04:45	11.89	09:05	12.97	12.57	04:40	0.29	17:35	0.45	0.39	05:35	0.484	11:40	0.827	0.698	93355	
04/10/2021	05:35	11.84	18:50	24.11	13.65	04:45	0.31	18:50	1.62	0.51	04:45	0.504	18:50	7.238	1.166	155923	0.58
04/11/2021	05:50	12.14	11:40	13.27	12.77	04:20	0.31	13:15	0.47	0.39	04:20	0.525	13:15	0.907	0.726	97102	
04/12/2021	05:25	11.93	10:00	13.07	12.62	03:45	0.33	21:45	0.47	0.40	03:45	0.544	21:45	0.875	0.718	96038	0.02
04/13/2021	05:05	11.85	09:35	12.98	12.55	06:05	0.29	14:50	0.46	0.39	06:05	0.480	09:45	0.851	0.705	94197	
04/14/2021	05:00	11.84	10:10	12.97	12.54	04:50	0.30	18:45	0.50	0.39	04:50	0.495	18:45	0.923	0.698	93315	
04/15/2021	04:55	11.77	09:40	12.96	12.52	04:30	0.30	09:00	0.46	0.40	04:30	0.489	09:00	0.853	0.714	95388	
04/16/2021	05:25	11.80	10:35	12.94	12.51	05:20	0.30	10:00	0.47	0.40	05:20	0.482	10:00	0.874	0.717	95805	
04/17/2021	05:20	11.74	11:45	13.08	12.52	03:35	0.29	12:00	0.53	0.41	03:35	0.475	12:00	0.999	0.733	98029	
04/18/2021	06:00	11.80	12:25	13.15	12.55	06:15	0.31	12:15	0.54	0.42	06:15	0.501	12:15	1.025	0.762	101871	
04/19/2021	04:25	11.75	10:20	13.00	12.49	04:25	0.32	10:00	0.51	0.44	04:25	0.512	10:00	0.960	0.792	105833	
04/20/2021	05:25	11.74	09:50	12.91	12.48	04:40	0.32	10:10	0.54	0.46	04:40	0.522	10:10	1.006	0.829	110763	
04/21/2021	05:25	11.68	10:35	12.92	12.47	04:50	0.33	23:50	0.56	0.46	04:50	0.527	23:50	0.999	0.818	109403	0.02
04/22/2021	04:05	11.69	10:00	12.97	12.42	05:50	0.34	10:05	0.53	0.45	05:00	0.547	10:05	0.987	0.793	106003	
04/23/2021	04:15	11.65	11:25	12.81	12.37	04:40	0.34	07:35	0.54	0.44	04:40	0.540	11:15	0.944	0.770	102991	
04/24/2021	05:05	11.63	12:00	13.03	12.41	06:50	0.35	11:30	0.55	0.44	06:50	0.566	11:30	1.021	0.782	104595	
04/25/2021	05:20	11.65	13:30	13.02	12.40	05:40	0.31	13:30	0.53	0.43	05:40	0.499	13:30	1.001	0.759	101481	
04/26/2021	04:10	11.64	09:50	12.89	12.39	05:00	0.33	12:40	0.50	0.42	05:00	0.528	12:40	0.917	0.746	99717	
04/27/2021	04:50	11.61	09:45	12.96	12.38	04:25	0.31	09:00	0.48	0.40	04:25	0.488	09:00	0.888	0.700	93621	
04/28/2021	05:45	11.59	09:15	12.77	12.36	05:45	0.27	11:15	0.49	0.40	05:45	0.435	11:15	0.892	0.697	93136	0.03
04/29/2021	05:00	11.65	09:35	13.31	12.48	04:55	0.30	09:50	0.52	0.41	04:55	0.485	09:45	1.017	0.736	98350	0.07
04/30/2021	05:15	11.64	09:40	12.90	12.37	04:20	0.33	10:55	0.49	0.42	05:30	0.528	09:40	0.907	0.736	98450	
05/01/2021	05:45	11.57	12:40	12.91	12.37	05:30	0.32	13:35	0.50	0.41	05:30	0.505	13:35	0.933	0.723	96676	
05/02/2021	06:10	11.63	11:40	12.91	12.40	06:35	0.31	08:20	0.47	0.41	06:35	0.499	11:45	0.859	0.729	97397	
05/03/2021	03:30	11.66	21:30	13.37	12.45	03:50	0.33	21:15	0.52	0.41	03:50	0.528	21:15	1.017	0.728	97262	0.11
05/04/2021	04:50	11.54	09:20	12.89	12.35	04:10	0.29	00:05	0.47	0.39	04:10	0.459	09:15	0.851	0.687	91896	0.01
05/05/2021	04:45	11.55	10:00	12.78	12.33	05:10	0.30	02:30	0.49	0.40	05:10	0.484	10:05	0.854	0.705	94200	
05/06/2021	05:20	11.61	09:35	12.97	12.41	03:45	0.28	10:25	0.48	0.40	03:45	0.456	10:25	0.897	0.714	95479	0.05
05/07/2021	04:15	11.64	14:25	12.87	12.39	03:35	0.29	10:55	0.54	0.42	03:35	0.466	10:55	0.983	0.747	99799	
05/08/2021	05:40	11.61	11:55	12.93	12.38	05:20	0.31	14:00	0.49	0.41	05:20	0.492	14:00	0.911	0.718	95927	
05/09/2021	06:35	11.64	10:30	13.46	12.48	02:55	0.31	10:05	0.51	0.40	06:15	0.492	10:05	1.007	0.718	95992	0.05
05/10/2021	05:20	11.56	21:25	12.76	12.32	03:45	0.30	02:25	0.49	0.40	03:45	0.471	21:30	0.862	0.701	93715	
05/11/2021	04:55	11.53	09:35	12.85	12.34	04:25	0.32	00:30	0.54	0.41	04:30	0.509	20:35	0.947	0.720	96255	
05/12/2021	04:30	11.57	09:25	12.79	12.32	03:45	0.30	12:35	0.56	0.42	03:45	0.483	12:35	1.005	0.740	98909	
05/13/2021	04:40	11.53	09:40	12.80	12.31	03:50	0.33	15:55	0.52	0.42	03:50	0.522	08:20	0.915	0.728	97362	
05/14/2021	04:15	11.50	09:45	12.70	12.27	04:15	0.31	11:25	0.54	0.43	04:15	0.481	11:25	0.973	0.743	99371	
05/15/2021	05:50	11.48	14:35	12.87	12.32	04:10	0.33	09:25	0.54	0.44	04:10	0.513	09:25	0.965	0.762	101908	0.01
05/16/2021	06:00	11.55	13:15	12.97	12.30	03:00	0.31	13:05	0.53	0.43	03:00	0.500	13:05	0.990	0.747	99849	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	05:20	11.41	21:10	12.70	12.22	05:55	0.32	21:10	0.55	0.43	05:55	0.500	21:10	0.999	0.746	99752	
05/18/2021	04:40	11.44	20:25	13.62	12.33	03:25	0.33	20:20	0.58	0.42	03:25	0.512	20:20	1.165	0.745	99642	0.09
05/19/2021	04:55	11.50	11:05	16.90	12.51	04:35	0.34	10:50	0.87	0.44	04:35	0.531	10:50	2.250	0.802	107170	0.10
05/20/2021	05:00	11.43	22:30	12.73	12.27	05:45	0.30	16:05	0.56	0.43	05:45	0.469	16:05	0.979	0.743	99262	
05/21/2021	05:15	11.48	10:05	12.74	12.26	03:05	0.32	08:25	0.56	0.46	03:05	0.514	08:25	0.998	0.798	106697	
05/22/2021	05:45	11.48	11:55	12.91	12.29	03:55	0.31	11:35	0.52	0.44	03:55	0.490	11:35	0.958	0.766	102406	
05/23/2021	05:50	11.51	21:35	15.12	12.39	05:35	0.32	21:35	0.71	0.47	05:35	0.510	21:35	1.675	0.833	111302	0.10
05/24/2021	04:45	11.47	09:55	12.76	12.26	04:00	0.31	21:20	0.56	0.42	04:15	0.480	21:20	1.008	0.725	96973	
05/25/2021	04:55	11.43	21:40	12.75	12.25	05:25	0.35	15:20	0.51	0.43	05:25	0.550	15:20	0.899	0.745	99540	
05/26/2021	23:55	11.96	01:55	36.82	14.56	23:45	0.33	01:50	3.09	0.60	23:50	0.552	01:50	22.570	1.944	259925	1.46
05/27/2021	05:10	11.20	19:05	12.25	11.89	05:50	0.23	17:50	0.40	0.33	05:50	0.342	17:50	0.682	0.545	72919	0.03
05/28/2021	04:20	11.22	05:45	15.60	12.43	04:05	0.25	05:40	0.70	0.38	04:05	0.377	05:40	1.724	0.686	91761	0.23
05/29/2021	04:35	11.18	11:40	12.41	11.87	05:50	0.24	12:35	0.40	0.32	05:50	0.359	12:35	0.693	0.533	71295	
05/30/2021	05:05	11.14	11:40	12.47	11.91	05:30	0.23	14:30	0.42	0.34	05:30	0.343	14:30	0.736	0.566	75673	
05/31/2021	04:55	11.11	12:50	12.51	11.93	04:20	0.25	14:35	0.46	0.37	04:20	0.378	14:35	0.807	0.614	82037	
06/01/2021	04:55	11.18	10:30	12.37	11.96	04:05	0.27	10:25	0.44	0.38	04:15	0.408	10:25	0.778	0.639	85397	
06/02/2021	04:25	11.37	11:20	12.51	12.14	03:35	0.28	13:30	0.45	0.38	03:45	0.439	13:25	0.797	0.659	88128	
06/03/2021	05:05	11.38	09:50	12.63	12.18	05:00	0.26	09:30	0.46	0.38	05:00	0.396	09:30	0.827	0.652	87106	
06/04/2021	04:50	11.40	10:40	12.54	12.19	04:45	0.27	19:20	0.45	0.39	04:45	0.422	19:20	0.798	0.665	88878	
06/05/2021	06:00	11.36	12:35	12.81	12.22	04:00	0.27	12:45	0.50	0.39	04:00	0.422	12:45	0.918	0.683	91330	
06/06/2021	05:50	11.41	11:15	12.75	12.23	05:40	0.27	10:35	0.49	0.39	05:40	0.420	11:40	0.887	0.681	91035	
06/07/2021	06:00	11.40	10:15	12.59	12.19	05:20	0.27	10:35	0.46	0.39	05:20	0.413	10:30	0.832	0.665	88935	
06/08/2021	05:05	11.35	11:15	12.55	12.16	04:45	0.27	11:10	0.44	0.37	05:20	0.420	11:10	0.791	0.630	84215	
06/09/2021	05:35	11.29	21:45	12.58	12.14	05:10	0.22	15:55	0.43	0.36	05:10	0.341	21:45	0.761	0.626	83682	
06/10/2021	04:55	11.30	19:55	12.53	12.14	04:25	0.28	19:55	0.42	0.38	04:25	0.432	19:55	0.748	0.654	87362	
06/11/2021	05:40	11.23	10:30	12.45	12.04	05:40	0.27	10:30	0.41	0.37	05:40	0.414	10:30	0.728	0.627	83824	
06/12/2021	06:00	11.23	15:20	32.85	12.95	03:45	0.29	15:10	2.21	0.43	03:45	0.441	15:20	13.745	1.034	138231	0.62
06/13/2021	05:50	11.21	10:50	12.60	12.07	05:50	0.21	19:00	0.39	0.31	05:50	0.312	13:30	0.676	0.526	70270	
06/14/2021	05:05	11.16	20:30	12.46	12.03	04:45	0.21	21:05	0.40	0.33	04:45	0.319	21:05	0.706	0.563	75277	
06/15/2021	04:20	11.17	22:40	12.56	12.02	04:50	0.25	11:10	0.47	0.36	04:50	0.379	11:10	0.819	0.606	81008	
06/16/2021	05:20	11.16	11:05	12.44	12.04	06:00	0.25	09:40	0.46	0.38	06:00	0.370	09:40	0.810	0.652	87119	
06/17/2021	04:50	11.20	10:10	12.61	12.09	04:35	0.27	21:05	0.49	0.39	04:35	0.411	21:05	0.868	0.666	89022	
06/18/2021	04:55	11.19	05:25	25.42	12.92	19:30	0.25	05:20	1.55	0.40	04:50	0.430	05:20	7.383	0.850	113638	0.38
06/19/2021	05:45	11.19	16:15	12.63	12.06	04:25	0.21	11:55	0.43	0.33	04:25	0.323	16:05	0.778	0.569	76072	
06/20/2021	04:50	11.19	23:45	43.42	12.99	04:35	0.23	23:40	4.00	0.46	04:35	0.351	23:40	34.738	1.373	183507	1.78
06/21/2021	23:55	12.49	00:00	41.10	14.37	16:00	0.32	00:05	3.51	0.55	23:50	0.575	00:05	28.717	1.739	232518	0.03
06/22/2021	05:35	11.67	09:50	12.71	12.33	04:05	0.21	10:40	0.42	0.34	04:05	0.340	10:40	0.766	0.599	80044	
06/23/2021	04:45	11.54	10:55	12.67	12.29	04:40	0.24	09:55	0.43	0.36	04:40	0.379	09:55	0.779	0.629	84088	
06/24/2021	04:15	11.50	16:10	17.00	12.84	03:25	0.25	16:00	0.88	0.42	03:25	0.397	16:00	2.410	0.807	107844	0.31
06/25/2021	03:50	11.52	05:20	31.78	15.17	03:05	0.22	05:15	2.54	0.66	03:05	0.354	05:15	15.989	2.058	275156	0.03
06/26/2021	01:30	12.37	12:00	37.29	15.77	06:30	0.31	12:00	3.18	0.73	06:30	0.542	12:00	23.969	2.491	333032	0.01
06/27/2021	06:30	12.55	00:00	13.50	13.07	05:30	0.31	10:45	0.47	0.40	05:30	0.565	10:45	0.924	0.752	100531	0.02
06/28/2021	03:25	12.14	04:05	19.32	13.09	03:20	0.28	04:05	1.18	0.40	03:20	0.479	04:05	3.901	0.788	105355	0.02
06/29/2021	04:15	12.04	11:05	21.20	13.40	03:45	0.26	11:00	1.45	0.43	03:45	0.438	11:00	5.453	0.925	123686	0.02
06/30/2021	04:45	11.93	19:15	13.58	12.69	04:45	0.23	19:05	0.51	0.36	04:45	0.387	19:05	1.019	0.665	88850	0.02
07/01/2021	05:50	11.80	21:45	12.88	12.39	03:00	0.22	21:00	0.46	0.37	03:00	0.377	21:35	0.851	0.648	86592	0.01
07/02/2021	04:30	11.49	10:10	12.79	12.41	04:00	0.28	10:10	0.47	0.39	04:00	0.446	10:10	0.858	0.683	91301	0.01
07/03/2021	05:15	11.60	11:35	12.90	12.37	04:10	0.28	10:10	0.49	0.39	04:35	0.451	13:45	0.911	0.692	92551	
07/04/2021	05:50	11.65	13:15	13.02	12.38	03:30	0.29	13:05	0.53	0.40	03:30	0.472	13:05	1.006	0.705	94230	
07/05/2021	05:50	11.57	12:50	12.85	12.38	03:55	0.30	09:50	0.52	0.41	05:35	0.476	09:50	0.929	0.729	97473	
07/06/2021	05:20	11.63	10:15	12.90	12.41	02:25	0.29	20:20	0.59	0.41	05:25	0.471	20:20	1.066	0.731	97674	
07/07/2021	05:15	11.50	13:50	12.69	12.33	04:40	0.28	20:30	0.51	0.41	04:40	0.436	20:30	0.920	0.718	96011	
07/08/2021	05:55	11.52	10:20	12.86	12.27	03:25	0.30	10:00	0.53	0.40	04:05	0.475	10:00	0.981	0.701	93684	
07/09/2021	04:35	11.46	10:10	12.91	12.29	04:30	0.26	09:55	0.53	0.39	04:30	0.412	09:55	0.986	0.688	92008	
07/10/2021	05:00	11.45	21:20	17.83	12.62	05:10	0.27	21:00	0.97	0.41	05:10	0.429	21:05	2.717	0.767	102531	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	06:30	11.63	11:35	12.88	12.41	06:15	0.23	21:45	0.44	0.35	06:15	0.375	13:05	0.799	0.620	82843	
07/12/2021	05:05	11.41	23:40	13.39	12.29	05:40	0.25	21:25	0.57	0.38	05:40	0.389	21:25	1.108	0.668	89271	
07/13/2021	06:00	11.59	00:00	13.04	12.32	04:20	0.31	20:05	0.48	0.41	05:45	0.496	09:45	0.860	0.710	94866	
07/14/2021	05:15	11.36	10:20	12.61	12.20	04:55	0.26	23:15	0.59	0.41	04:55	0.396	23:15	1.050	0.702	93806	
07/15/2021	04:30	11.45	23:55	23.11	12.78	05:15	0.29	23:55	1.56	0.45	05:15	0.461	23:55	6.596	0.902	120620	0.37
07/16/2021	06:30	12.21	00:15	31.23	13.55	05:30	0.28	00:15	2.37	0.45	05:30	0.488	00:15	14.607	1.211	161846	0.32
07/17/2021	05:40	11.51	13:35	12.73	12.25	06:00	0.22	12:45	0.45	0.34	06:00	0.350	12:45	0.813	0.586	78302	
07/18/2021	05:45	11.49	11:50	12.77	12.22	05:00	0.25	13:10	0.46	0.37	05:00	0.400	12:20	0.844	0.636	85044	
07/19/2021	04:45	11.45	10:50	12.59	12.21	05:15	0.25	19:05	0.46	0.38	05:15	0.393	19:45	0.812	0.663	88643	
07/20/2021	05:45	11.37	21:10	12.63	12.19	05:00	0.29	10:25	0.50	0.40	05:00	0.443	10:25	0.893	0.683	91331	
07/21/2021	04:50	11.41	10:35	12.71	12.19	05:55	0.28	10:00	0.51	0.39	05:55	0.437	10:00	0.921	0.676	90369	
07/22/2021	05:10	11.33	10:10	12.61	12.17	04:15	0.26	10:10	0.45	0.38	04:15	0.395	10:10	0.816	0.653	87339	
07/23/2021	04:45	11.42	10:55	12.53	12.15	04:05	0.24	22:00	0.45	0.36	04:05	0.368	22:00	0.791	0.613	81890	0.01
07/24/2021	05:30	11.35	17:25	16.87	12.51	04:55	0.25	17:25	0.89	0.40	04:55	0.386	17:25	2.427	0.736	98383	0.08
07/25/2021	04:05	11.45	04:25	14.85	12.24	06:40	0.23	04:25	0.71	0.36	06:40	0.365	04:25	1.629	0.630	84228	
07/26/2021	04:50	11.28	11:30	12.58	12.10	04:20	0.27	20:15	0.47	0.39	04:20	0.416	19:30	0.828	0.661	88355	
07/27/2021	05:20	11.37	10:35	12.57	12.10	07:00	0.28	12:25	0.50	0.39	03:15	0.446	12:25	0.881	0.673	89950	
07/28/2021	04:30	11.29	21:30	12.56	12.11	04:35	0.27	10:55	0.50	0.40	04:35	0.418	10:55	0.883	0.680	90960	0.01
07/29/2021	03:15	11.40	04:00	15.11	12.38	03:15	0.29	04:05	0.73	0.41	03:15	0.444	04:05	1.701	0.732	97909	0.10
07/30/2021	04:30	11.25	14:05	12.51	12.08	03:50	0.29	09:30	0.47	0.39	03:50	0.440	09:30	0.835	0.663	88610	
07/31/2021	05:45	11.25	12:05	12.58	12.05	05:25	0.25	12:00	0.50	0.38	05:25	0.378	12:00	0.896	0.652	87217	
08/01/2021	06:10	11.35	11:55	12.67	12.12	03:10	0.30	11:50	0.47	0.40	05:00	0.475	11:50	0.858	0.679	90820	
08/02/2021	05:00	11.26	11:00	12.61	12.09	05:05	0.28	09:35	0.54	0.38	05:00	0.419	09:35	0.965	0.644	86142	
08/03/2021	05:30	11.25	21:50	12.51	12.06	04:30	0.27	03:10	0.48	0.37	04:30	0.416	11:25	0.837	0.635	84948	
08/04/2021	05:50	11.25	21:25	12.45	12.07	04:40	0.24	12:00	0.45	0.37	04:40	0.370	12:00	0.800	0.632	84530	
08/05/2021	05:20	11.24	13:30	12.48	12.08	06:05	0.27	10:25	0.50	0.39	06:05	0.408	10:25	0.885	0.657	87787	
08/06/2021	05:35	11.25	22:50	15.30	12.32	01:30	0.26	22:25	0.74	0.42	01:30	0.425	22:50	1.755	0.742	99168	0.13
08/07/2021	06:05	11.24	00:00	12.98	12.10	05:20	0.26	19:10	0.45	0.37	05:20	0.391	11:15	0.800	0.632	84524	
08/08/2021	06:00	11.26	13:30	12.70	12.12	03:15	0.29	08:45	0.47	0.39	04:30	0.440	14:10	0.847	0.673	89909	0.01
08/09/2021	05:00	11.25	21:05	27.12	13.74	05:10	0.28	21:05	2.08	0.52	05:10	0.430	21:05	10.775	1.376	184006	1.42
08/10/2021	06:00	11.60	20:10	34.72	13.42	05:50	0.23	20:05	2.76	0.44	05:50	0.361	20:05	18.337	1.234	164957	0.91
08/11/2021	06:00	11.74	12:20	14.14	12.47	03:15	0.23	12:00	0.60	0.34	05:55	0.382	12:00	1.259	0.610	81552	0.08
08/12/2021	05:30	11.42	21:55	12.58	12.18	02:50	0.20	21:10	0.43	0.34	02:50	0.322	21:45	0.777	0.594	79390	
08/13/2021	04:50	11.36	10:15	12.58	12.06	04:25	0.24	13:05	0.46	0.37	04:25	0.370	13:05	0.792	0.628	83890	
08/14/2021	06:00	11.33	10:45	12.59	11.95	04:50	0.27	10:45	0.50	0.38	04:50	0.420	10:45	0.902	0.633	84553	
08/15/2021	04:15	11.12	11:10	12.69	11.94	05:45	0.27	13:15	0.49	0.40	05:45	0.415	11:45	0.860	0.662	88528	
08/16/2021	05:00	11.07	08:35	12.45	11.90	04:40	0.28	08:55	0.49	0.40	04:40	0.410	08:55	0.855	0.657	87815	
08/17/2021	04:50	11.06	08:20	12.41	11.89	03:20	0.29	08:30	0.49	0.39	05:25	0.430	08:30	0.851	0.649	86701	
08/18/2021	05:15	11.00	09:05	12.33	11.86	05:00	0.27	10:10	0.46	0.38	05:00	0.390	10:10	0.799	0.628	83982	
08/19/2021	05:15	11.10	22:35	12.31	11.89	04:50	0.26	20:55	0.51	0.39	04:50	0.391	20:55	0.868	0.645	86196	
08/20/2021	05:05	11.15	08:45	12.62	12.03	00:10	0.30	08:40	0.48	0.40	03:55	0.453	08:40	0.859	0.674	90052	
08/21/2021	05:10	11.39	11:10	12.71	12.20	04:45	0.29	10:10	0.47	0.39	04:45	0.457	10:10	0.843	0.664	88732	
08/22/2021	05:55	11.37	12:05	12.80	12.18	06:05	0.24	11:35	0.50	0.37	06:05	0.366	11:35	0.925	0.643	85928	
08/23/2021	04:55	11.37	13:40	14.13	12.22	03:40	0.25	13:35	0.70	0.38	03:40	0.385	13:35	1.482	0.656	87663	
08/24/2021	05:10	11.40	18:25	40.50	14.67	04:40	0.28	18:40	3.69	0.65	04:40	0.432	18:40	29.988	2.452	327828	1.71
08/25/2021	05:30	11.74	10:30	14.39	12.45	05:40	0.25	10:00	0.62	0.35	05:40	0.417	10:00	1.313	0.623	83278	0.09
08/26/2021	04:20	11.44	10:55	14.22	12.35	04:20	0.23	10:25	0.62	0.36	04:20	0.352	10:40	1.288	0.638	85236	0.01
08/27/2021	05:30	11.28	08:50	12.46	11.97	05:20	0.26	08:20	0.45	0.37	05:20	0.393	08:20	0.793	0.617	82531	
08/28/2021	05:30	11.11	17:20	12.62	11.98	04:00	0.25	16:55	0.50	0.38	04:00	0.379	16:55	0.881	0.643	85923	0.09
08/29/2021	05:50	11.12	14:50	14.24	12.06	04:30	0.27	14:40	0.72	0.41	04:30	0.400	14:45	1.540	0.705	94301	0.09
08/30/2021	04:45	11.10	11:35	13.72	12.12	04:40	0.27	10:10	0.66	0.40	04:40	0.398	12:40	1.328	0.685	91567	
08/31/2021	05:10	10.92	12:15	12.42	11.82	04:35	0.23	12:05	0.48	0.37	04:35	0.341	12:05	0.836	0.606	80917	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			15651050	11.87
Avg	12.44	0.41	0.768	

Evanston, IL

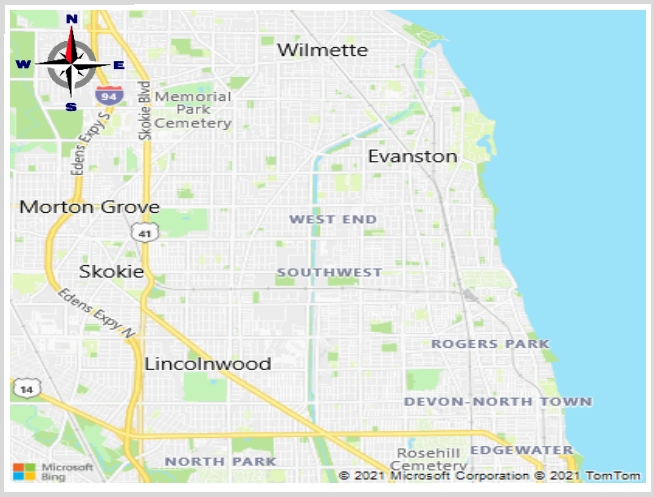
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

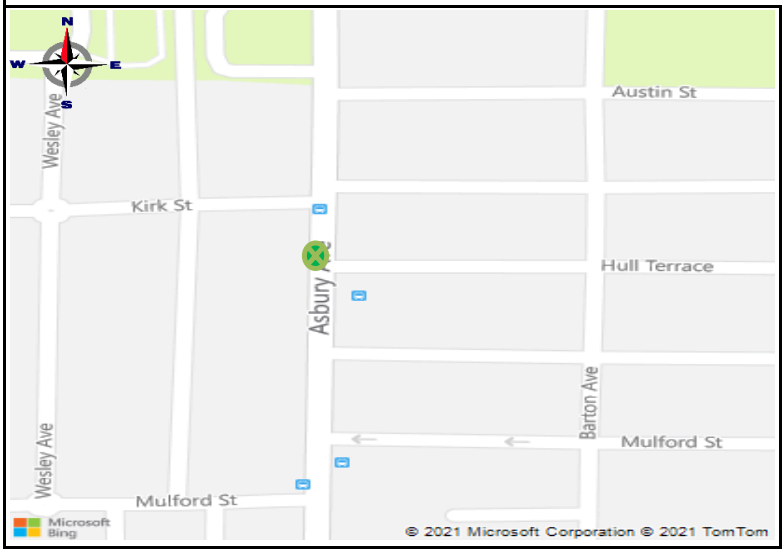
B1313000

Site Address /Location:	Intersection of Asbury Ave. and Hull Terrace			Monitor Series	Location Type
				TRITON+ VZ	Temporary
Site Access Details:	in road	Latitude:	42.024546	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.690098	12 x 12	Circular



Manhole #	System Characteristics
B13_13000	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, March 31, 2021	Doppler Standard Ring and Crank
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
12:20:00 PM	12 x 12
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.00	9.63
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.38	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Low Depth; Fair

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
12	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Vitrified Clay Pipe	Fair

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

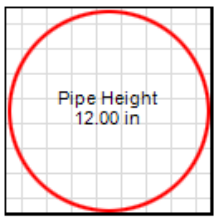
Upstream E	Downstream	Upstream S
		

SCATTERGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

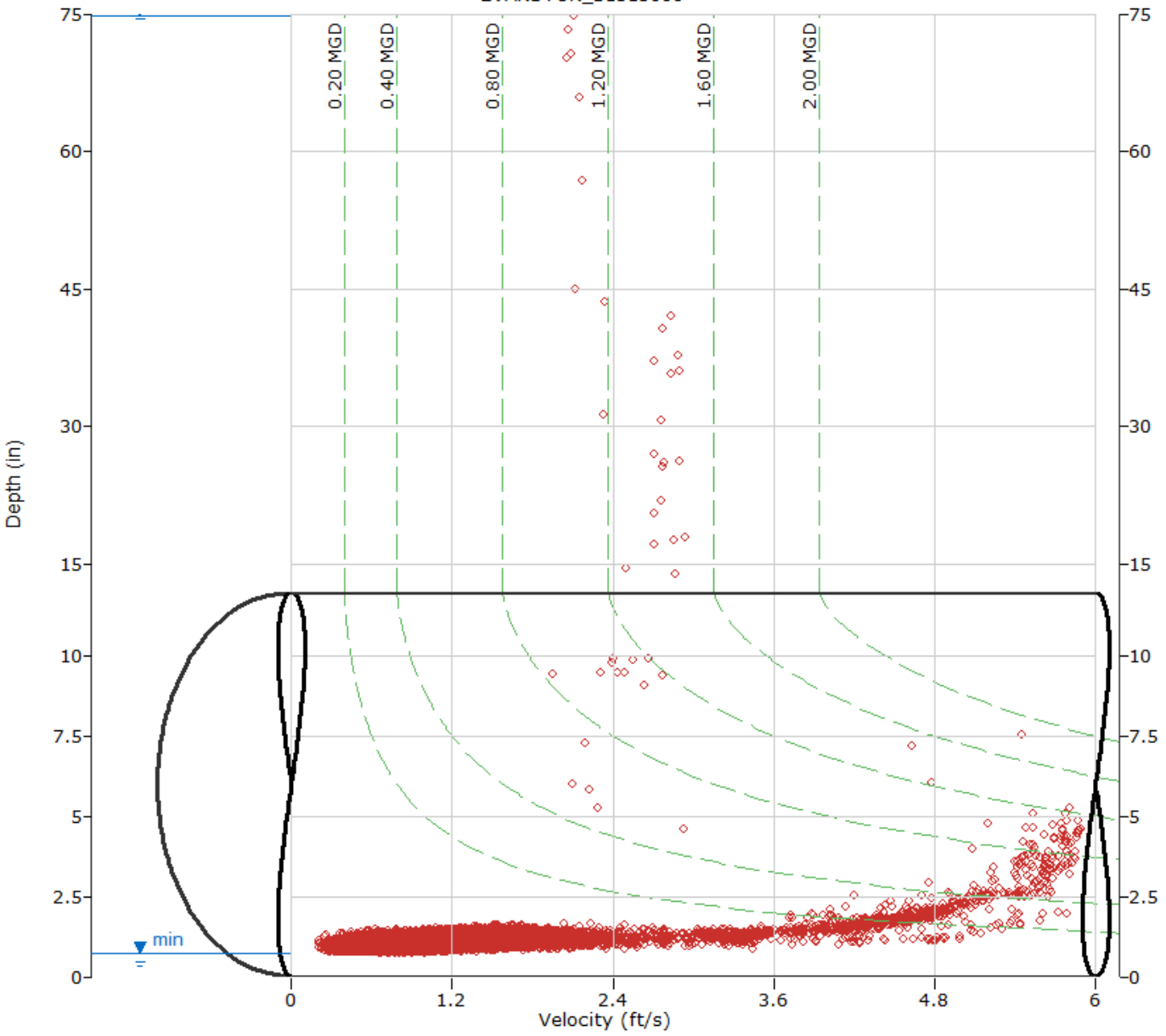


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



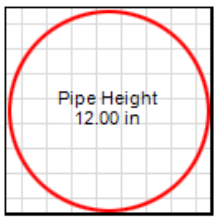
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

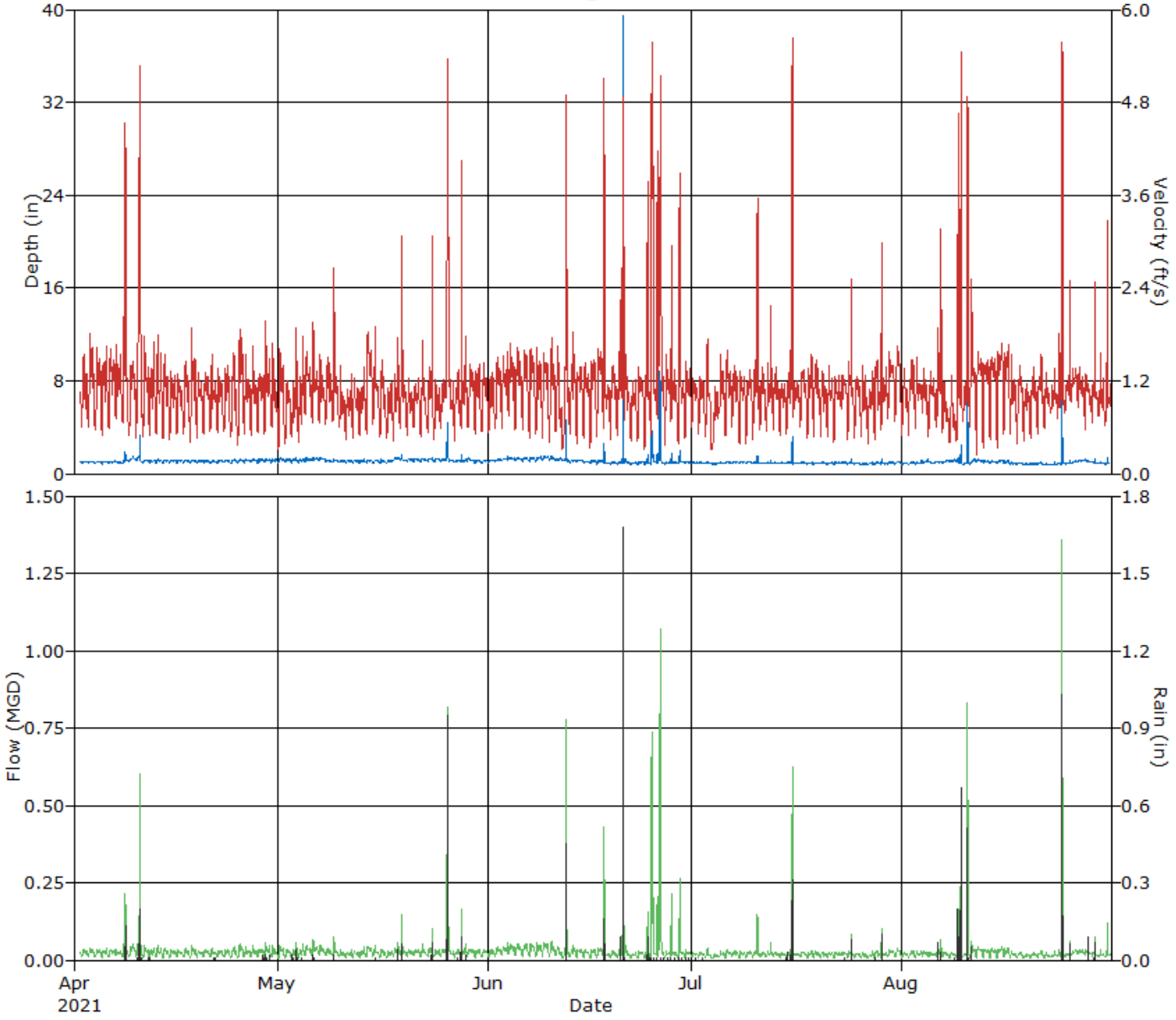


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



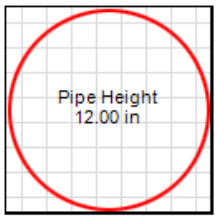
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

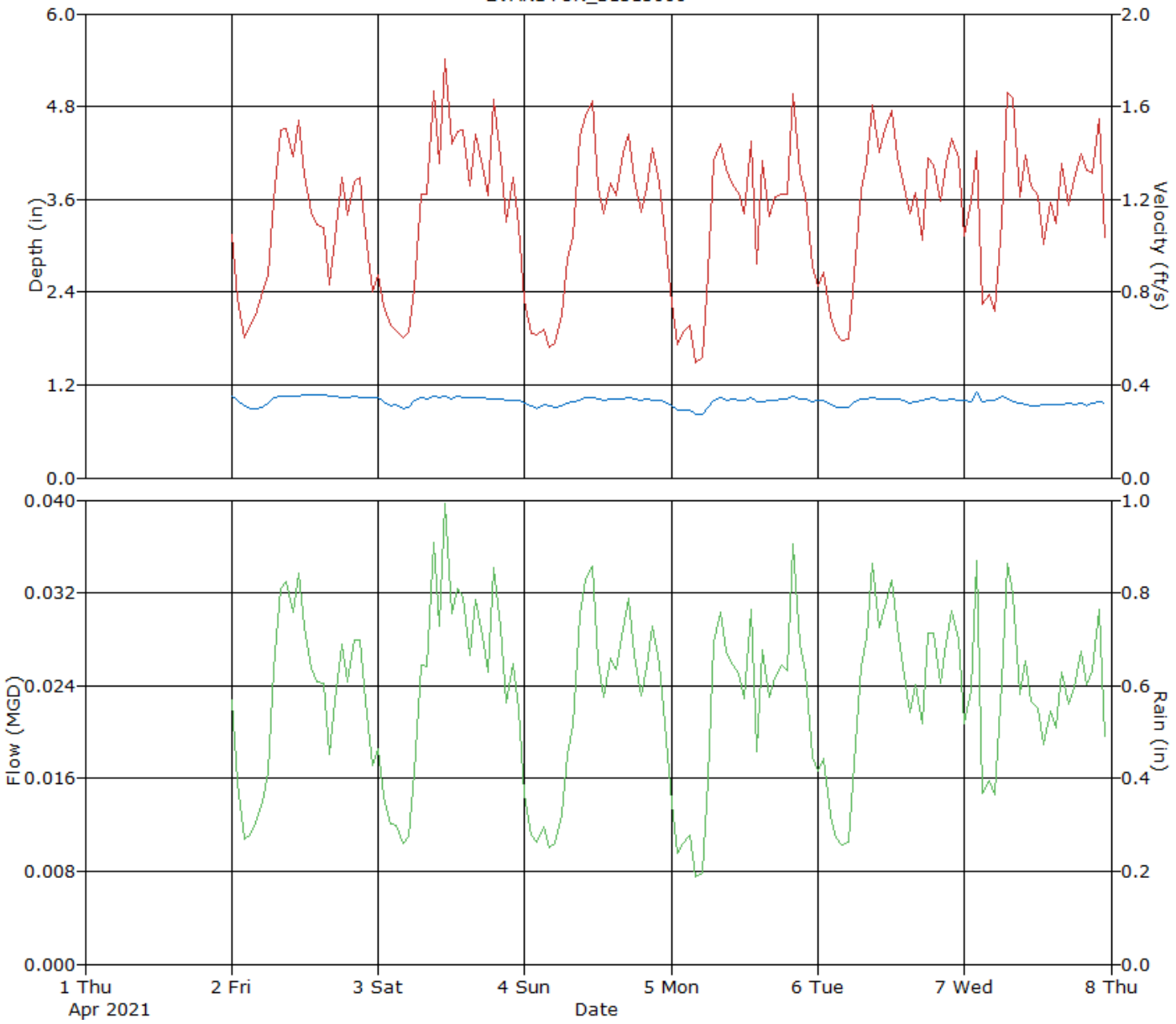


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



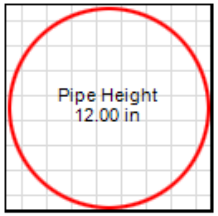
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

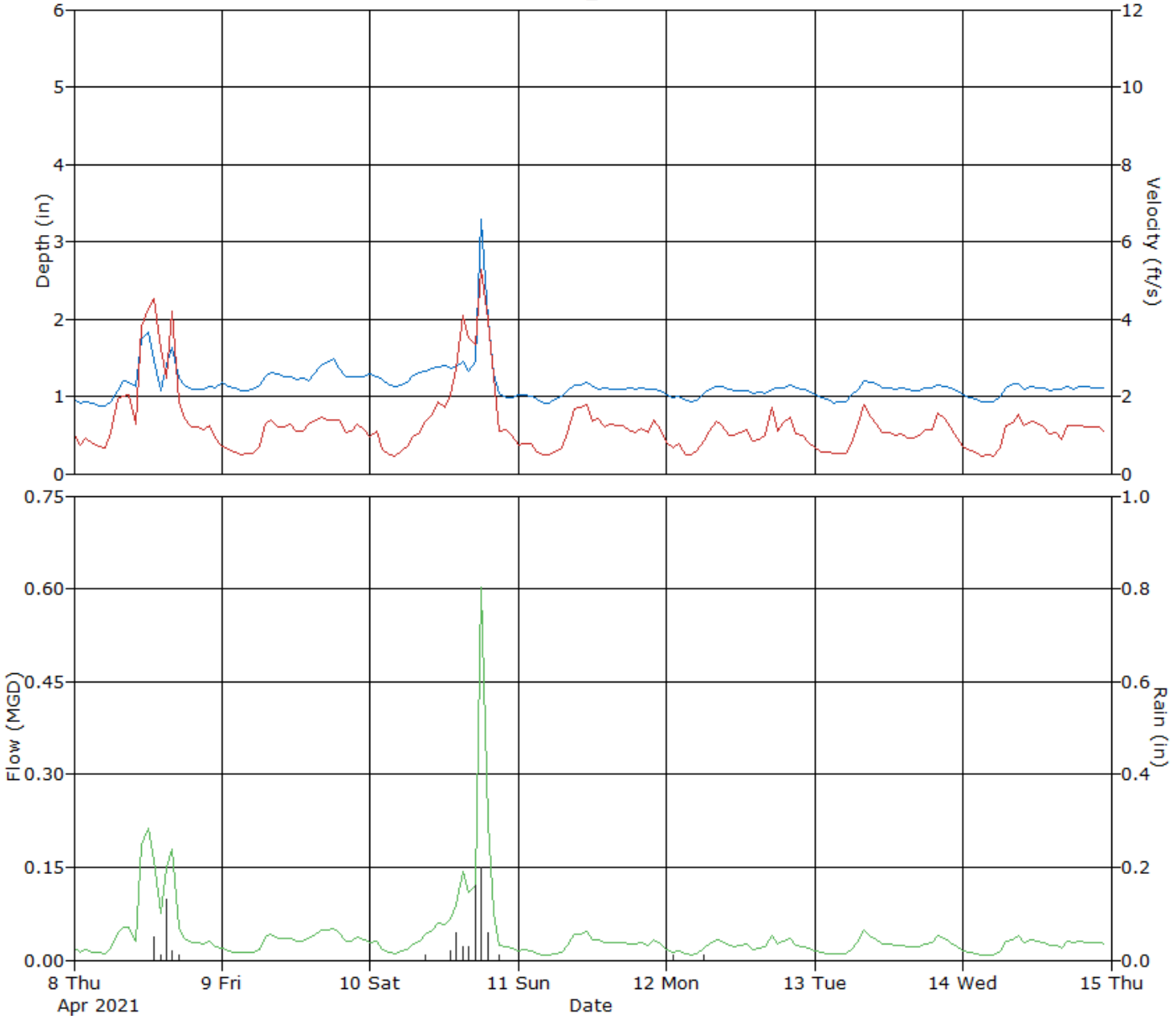


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



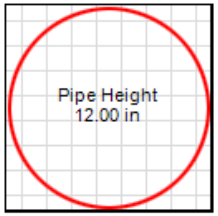
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

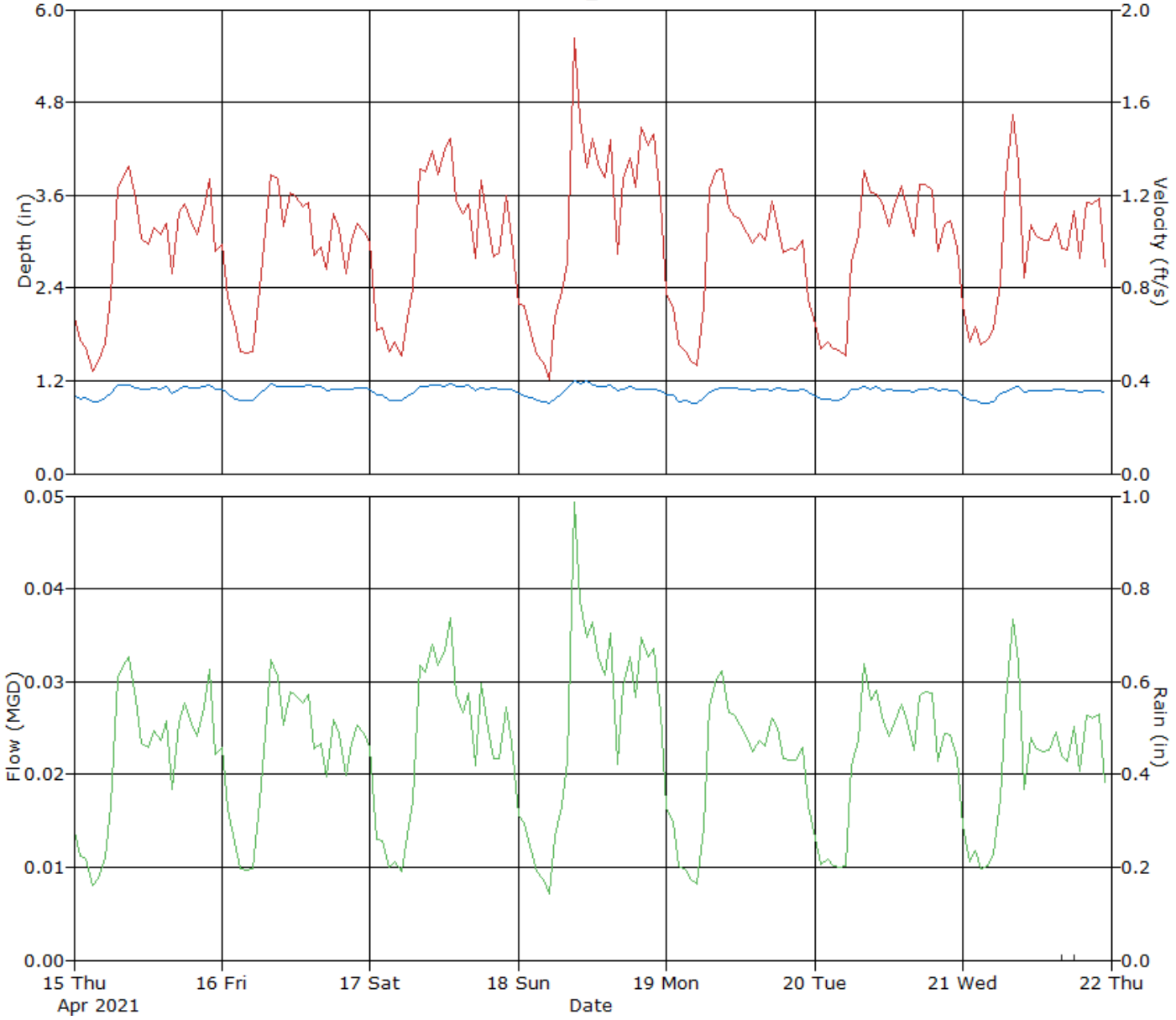


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



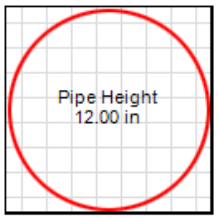
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

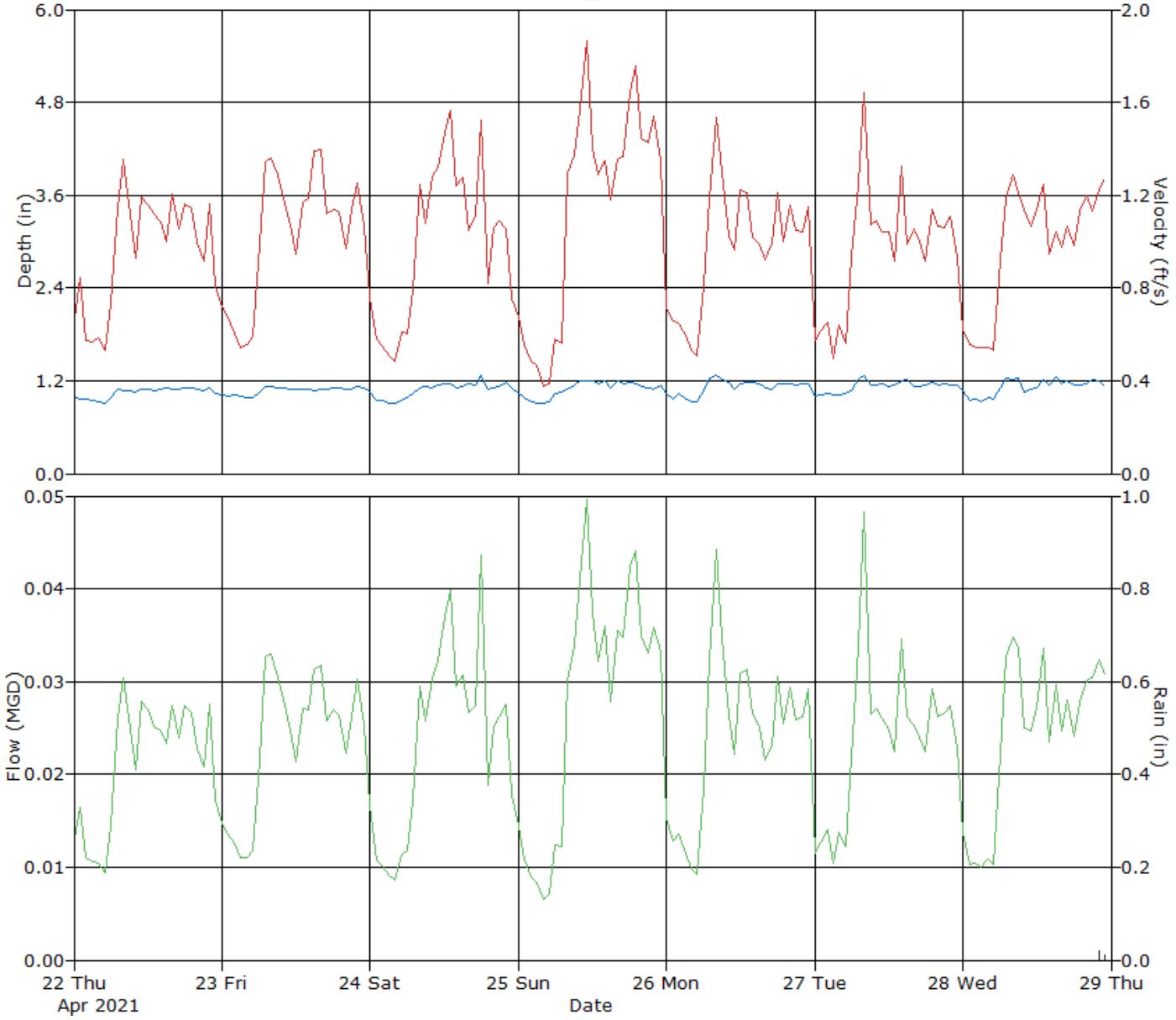


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

Pipe Height
12.00 in

Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



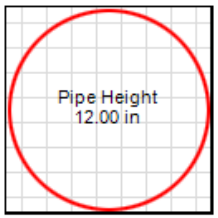
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

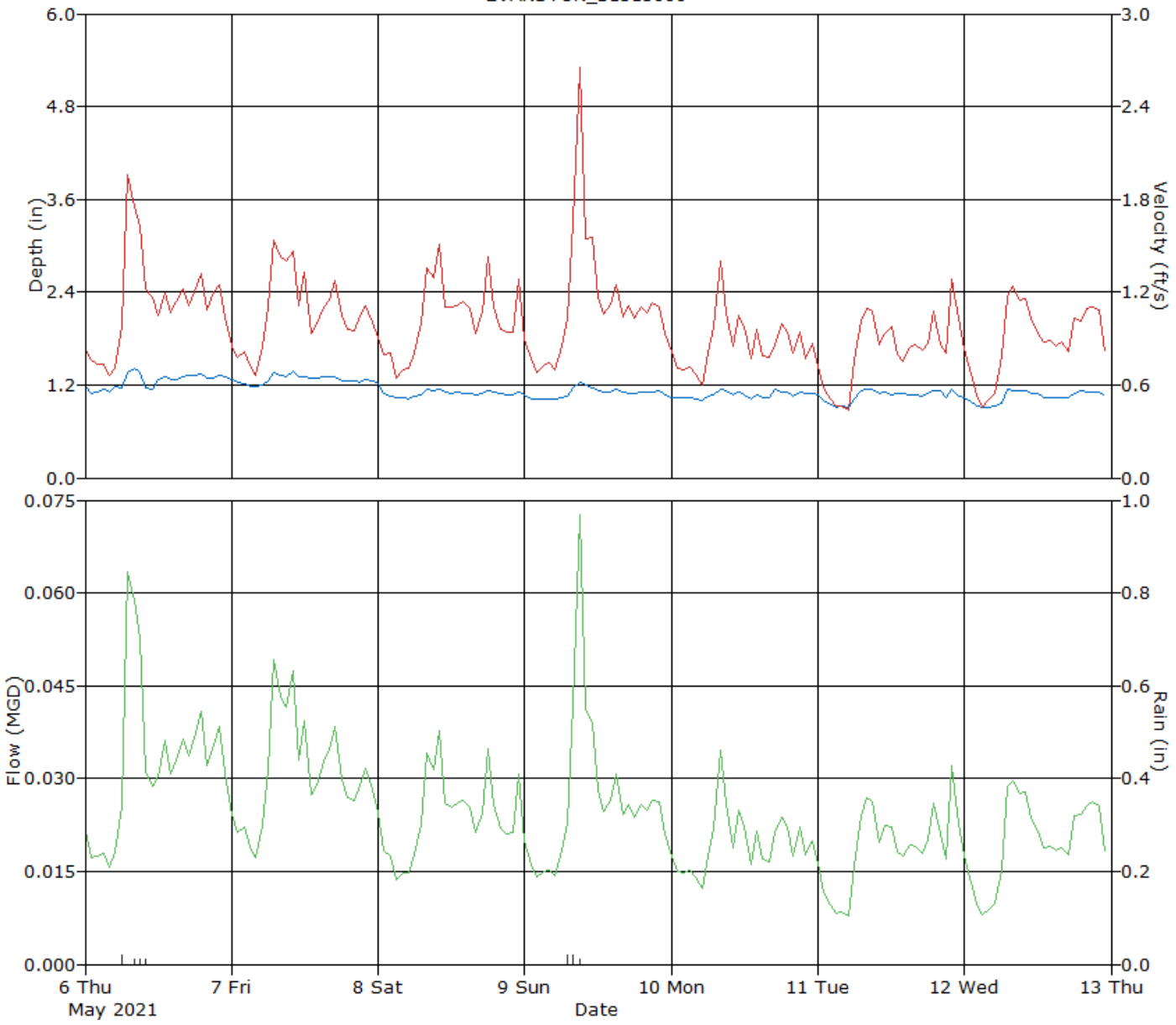


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



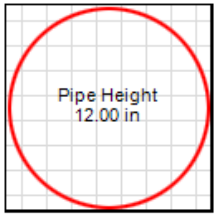
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000



Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



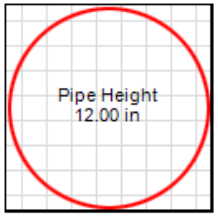
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

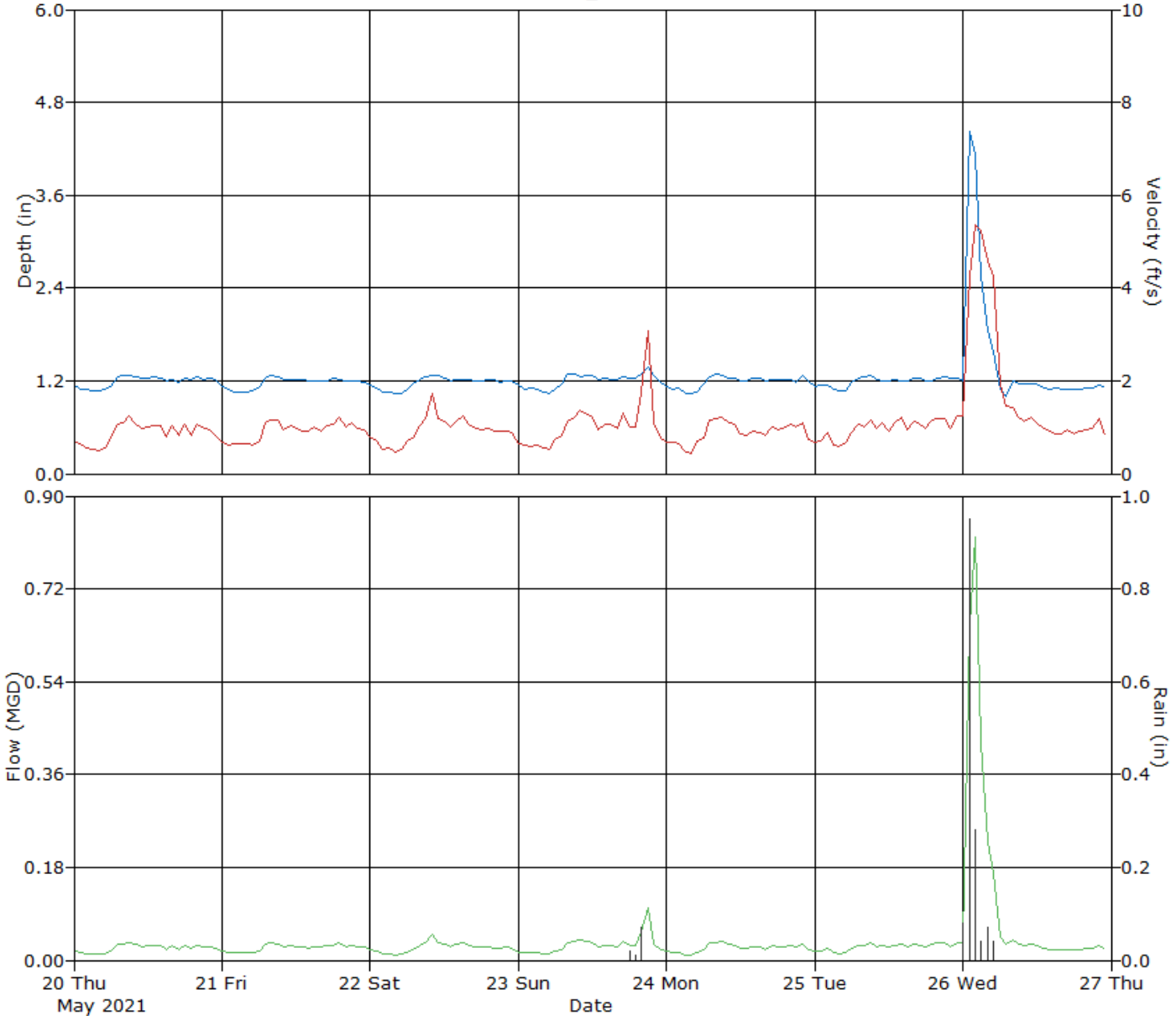


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



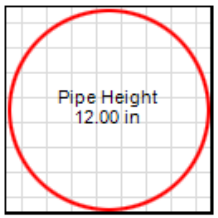
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

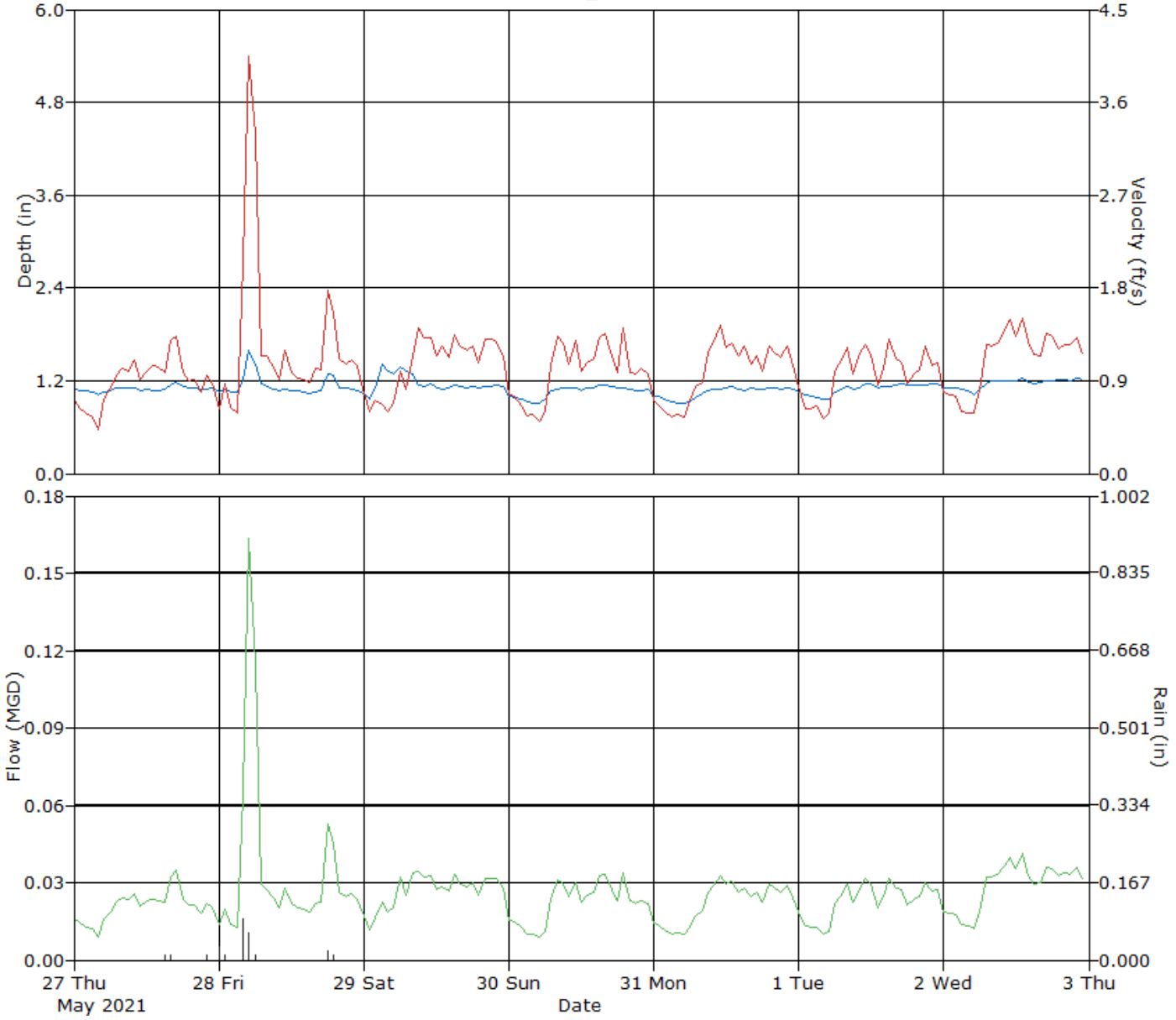


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



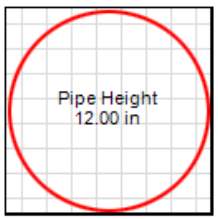
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

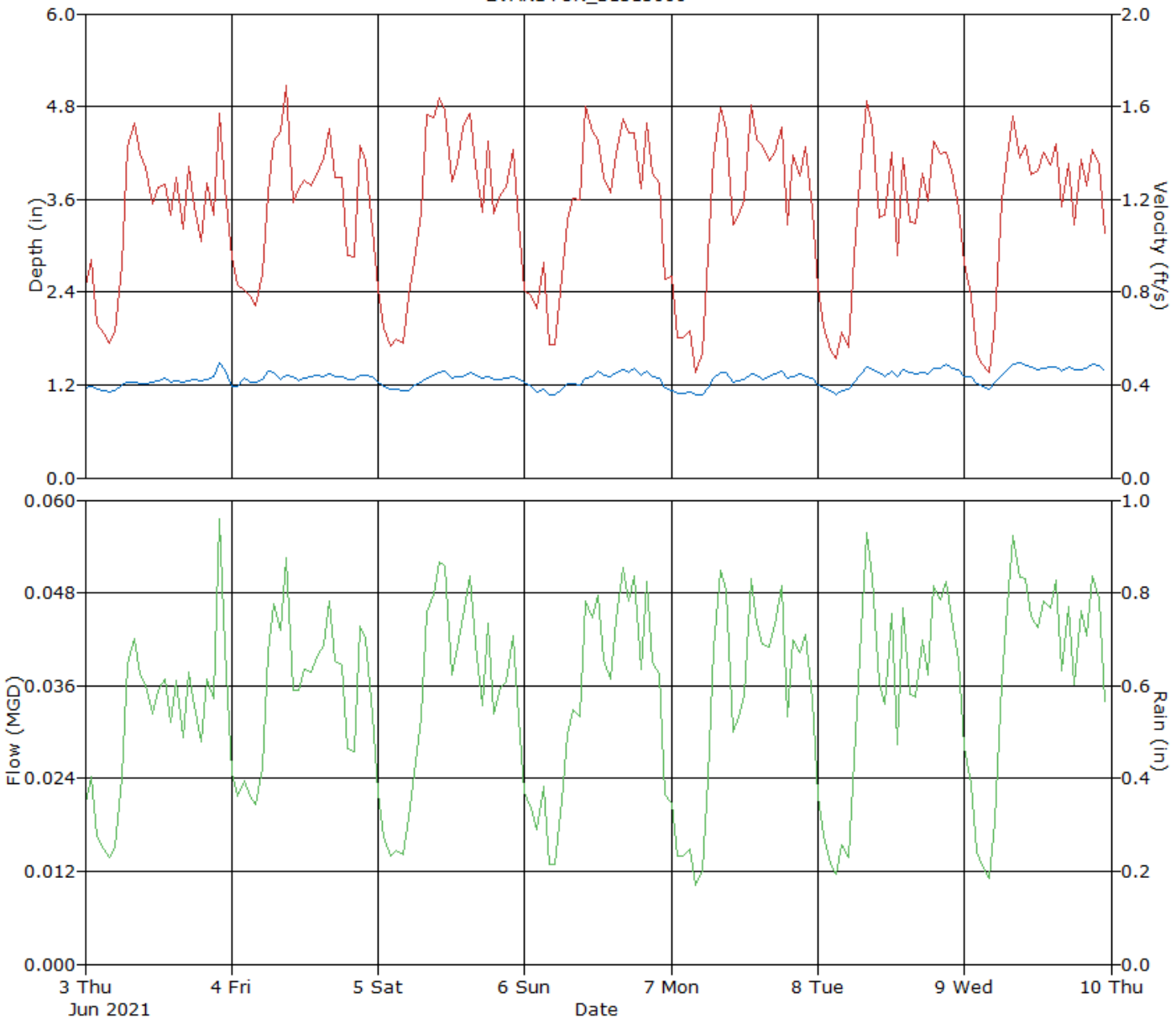


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



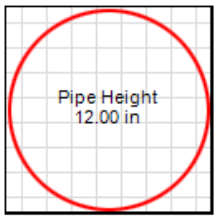
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000



Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



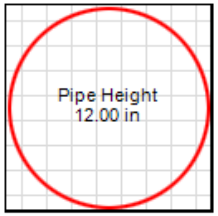
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

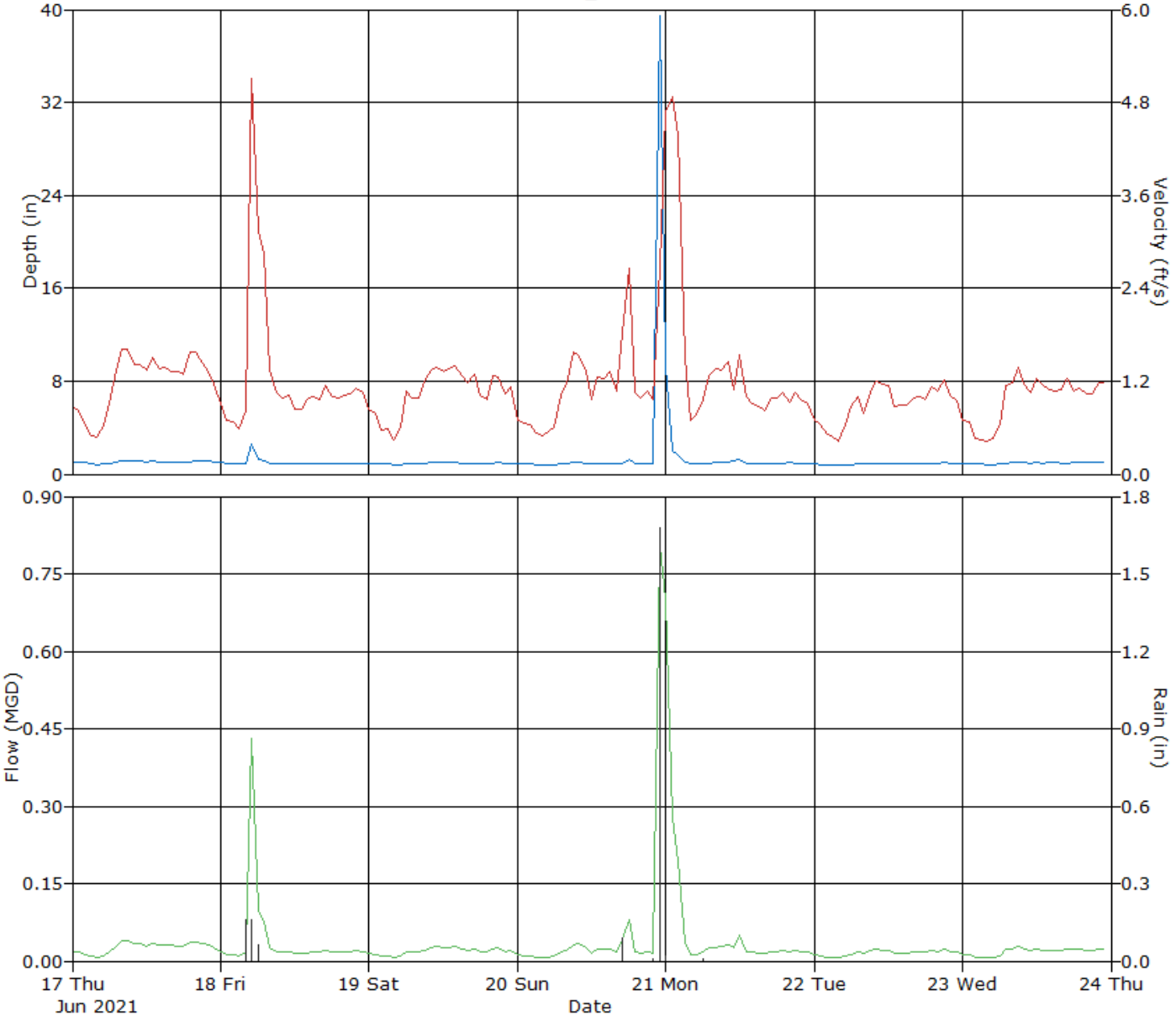


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



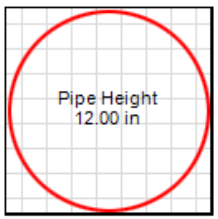
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

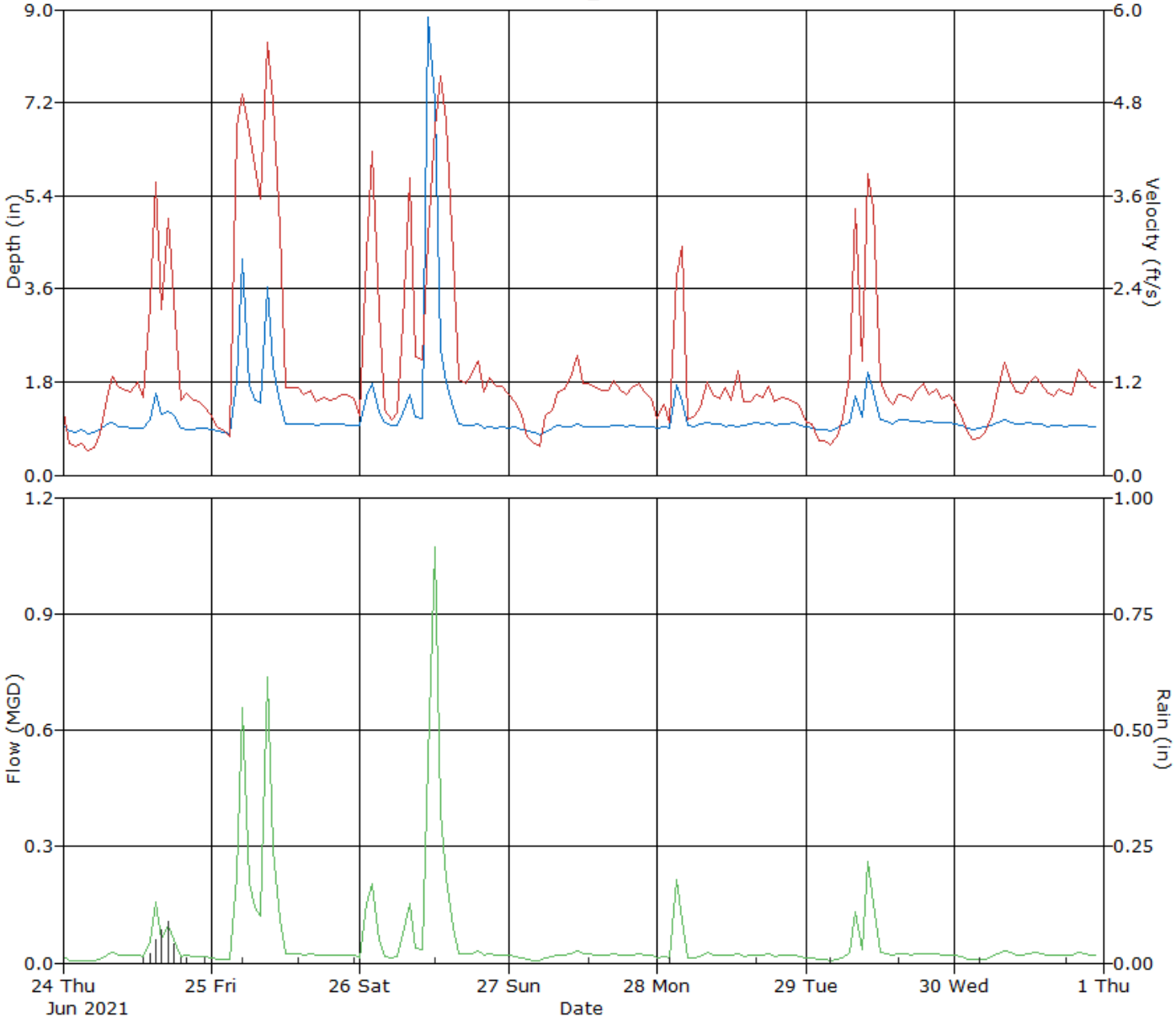


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



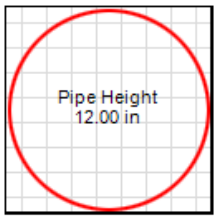
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

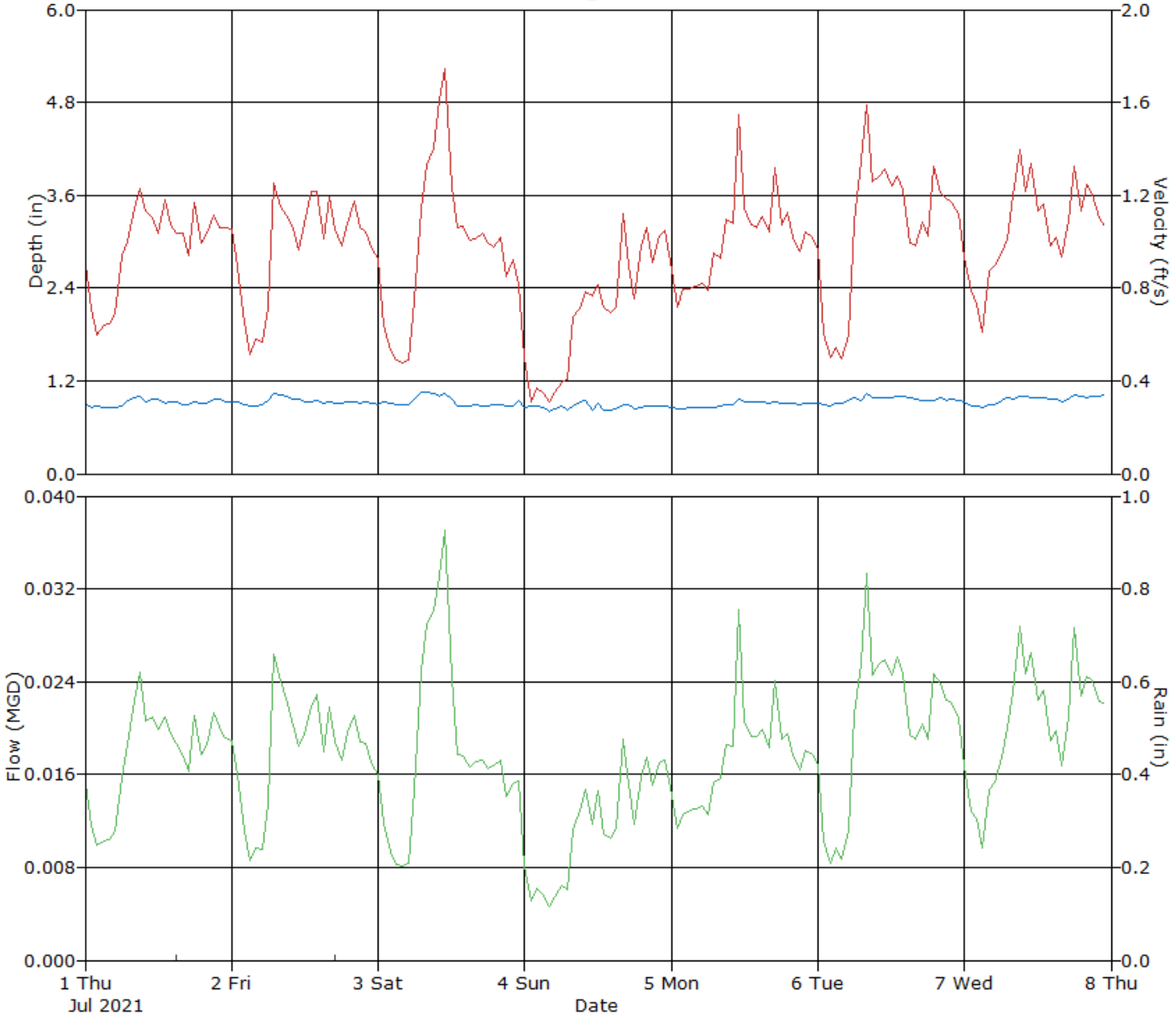


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



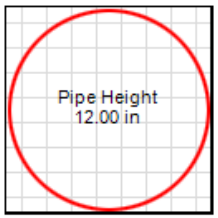
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000



Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



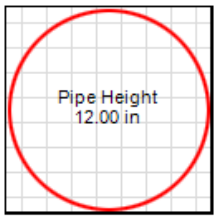
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

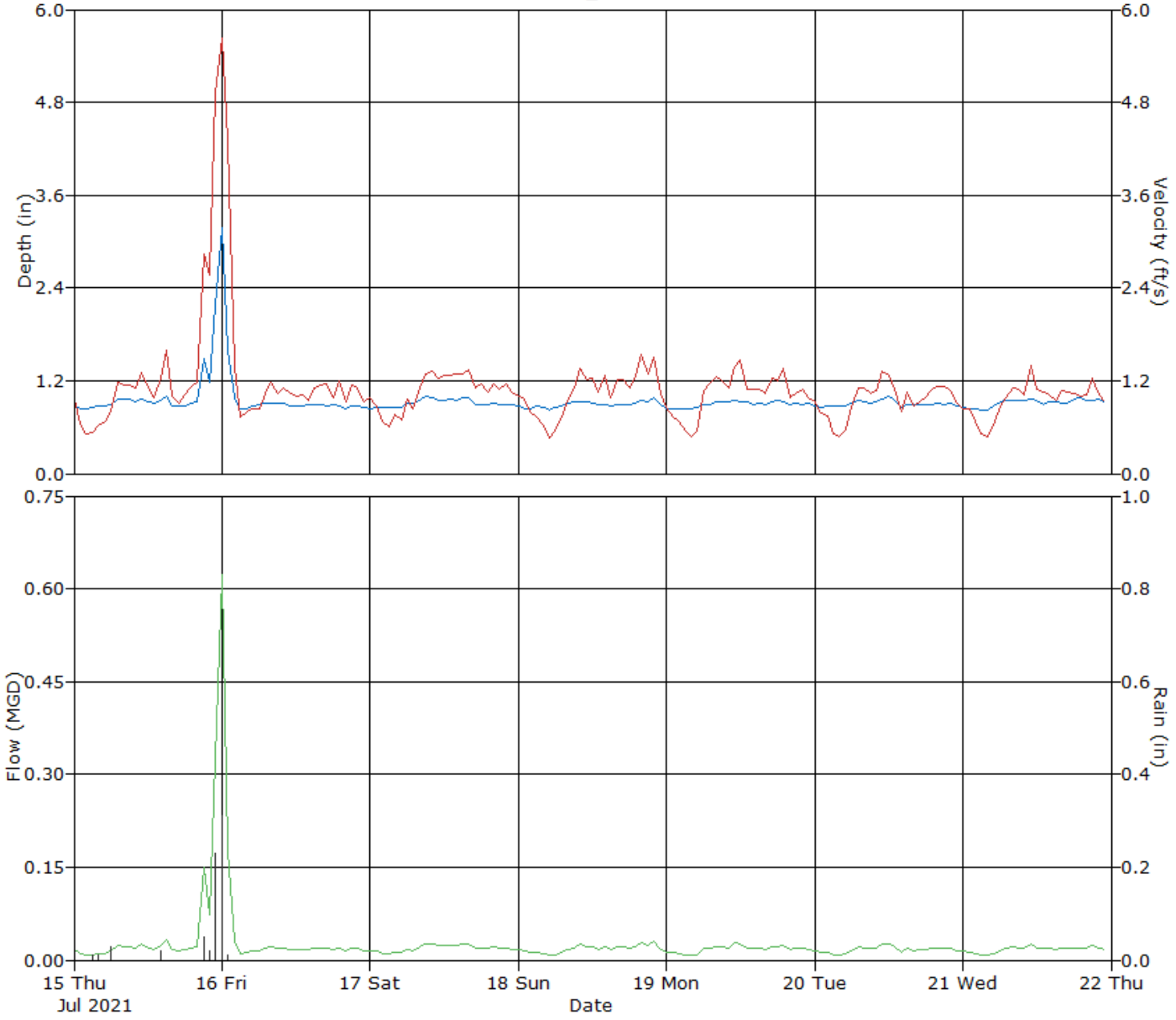


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



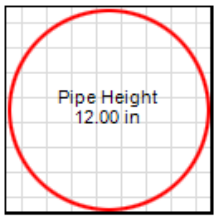
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000



Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



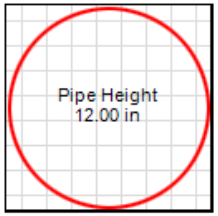
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000



Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



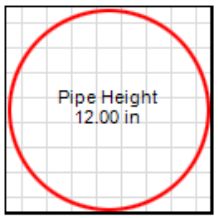
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

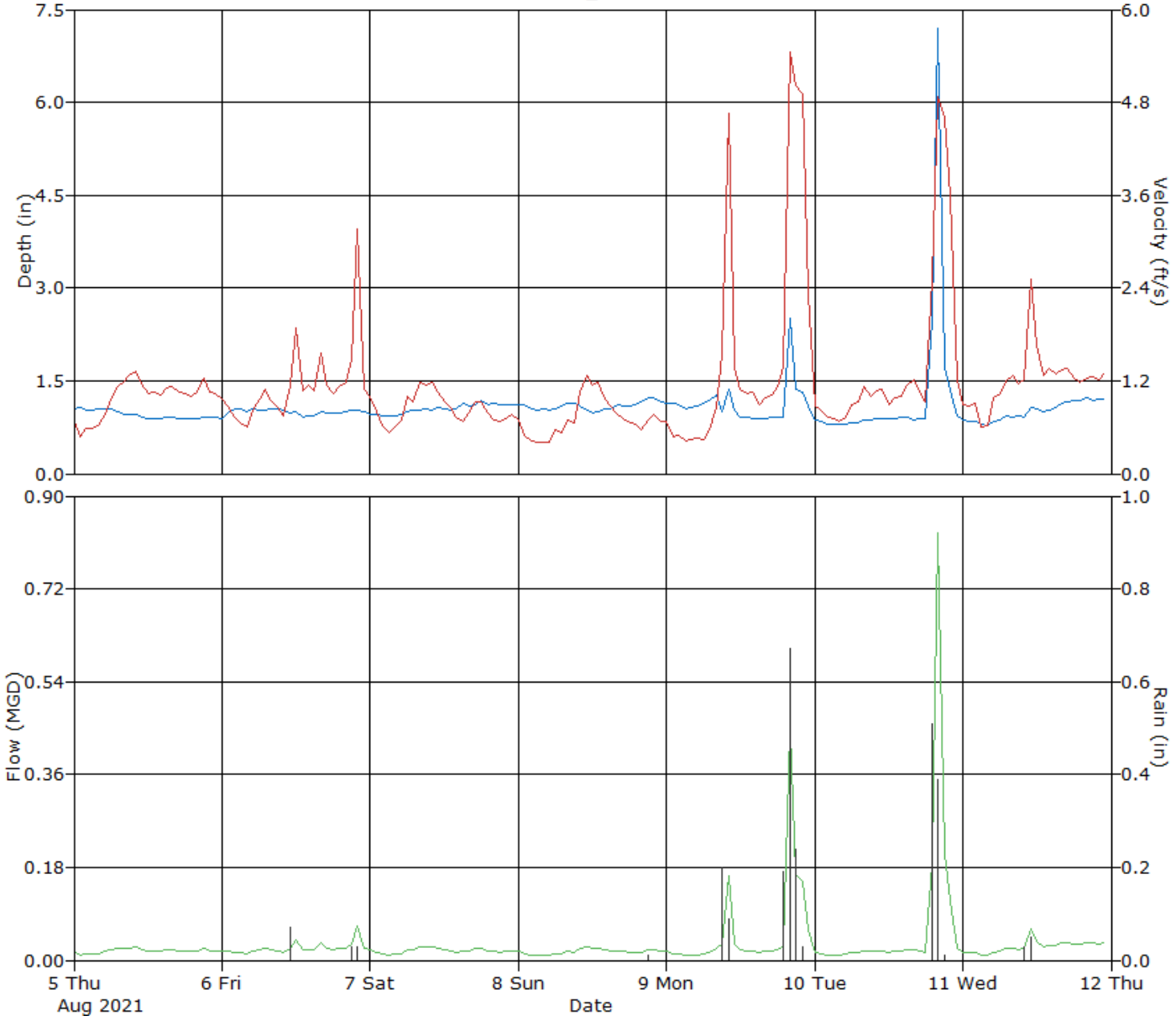


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



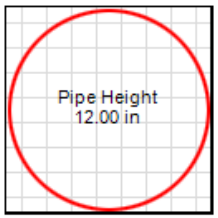
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

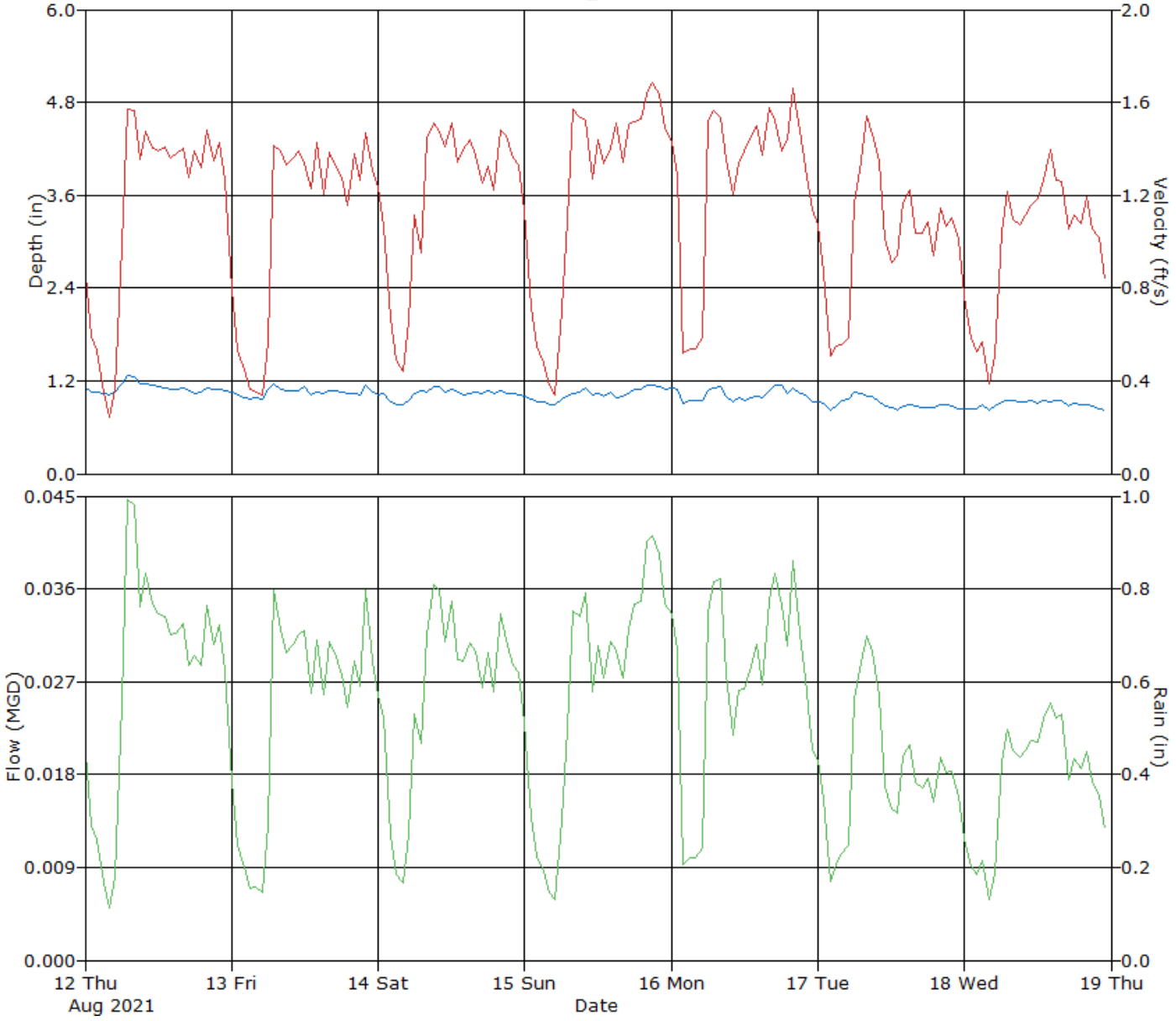


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



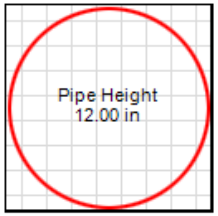
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000

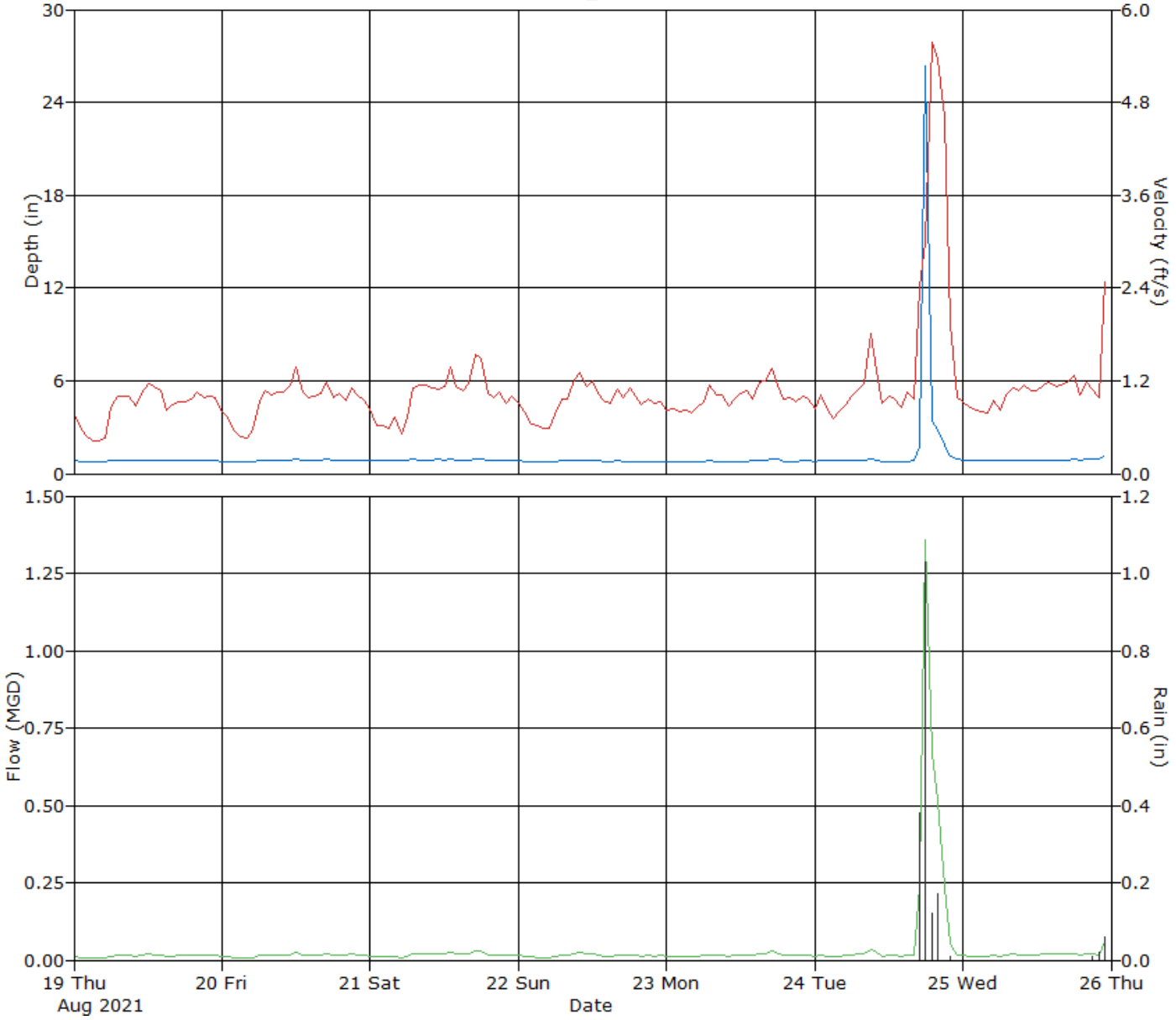


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



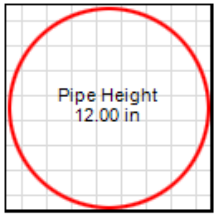
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B1313000

Flow Monitor

EVANSTON_B1313000



Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B1313000, Pipe Height: 12.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021	04:35	0.87	12:00	1.08	1.02	02:40	0.51	18:00	2.20	1.08	02:40	0.009	18:00	0.047	0.023	3058	
04/03/2021	04:10	0.87	09:20	1.07	1.01	04:10	0.48	11:50	2.52	1.18	04:10	0.008	11:50	0.056	0.025	3290	
04/04/2021	02:40	0.87	17:30	1.05	0.99	04:50	0.51	11:45	2.82	1.10	02:35	0.009	11:45	0.060	0.022	2953	
04/05/2021	05:15	0.80	20:10	1.10	0.97	05:10	0.42	20:05	2.24	1.08	05:15	0.006	20:05	0.051	0.022	2876	
04/06/2021	04:10	0.88	08:55	1.07	0.99	04:05	0.41	22:10	1.89	1.16	04:05	0.007	09:20	0.040	0.024	3153	
04/07/2021	02:05	0.87	02:20	1.61	0.97	05:15	0.63	02:15	2.97	1.21	05:15	0.013	02:20	0.101	0.024	3162	
04/08/2021	05:10	0.86	15:50	3.42	1.17	04:20	0.61	15:50	5.42	1.86	04:20	0.010	15:50	0.648	0.061	8195	0.22
04/09/2021	05:00	1.05	18:45	1.50	1.24	05:05	0.42	08:05	2.14	1.07	05:05	0.009	08:05	0.064	0.031	4102	
04/10/2021	23:55	0.95	18:20	3.78	1.37	04:15	0.39	18:20	5.50	1.84	04:15	0.009	18:20	0.755	0.079	10549	0.58
04/11/2021	04:35	0.90	09:35	1.20	1.06	05:30	0.41	09:30	2.49	1.08	05:30	0.007	09:35	0.065	0.025	3306	
04/12/2021	05:30	0.90	08:45	1.18	1.06	05:25	0.39	17:10	3.39	0.99	05:25	0.007	20:30	0.081	0.022	2965	0.02
04/13/2021	04:20	0.88	08:50	1.22	1.07	04:25	0.41	08:00	2.96	1.02	04:25	0.007	08:00	0.077	0.024	3149	
04/14/2021	04:20	0.90	08:55	1.20	1.07	04:10	0.38	09:20	2.35	1.02	04:10	0.007	09:20	0.060	0.024	3144	
04/15/2021	03:45	0.91	07:35	1.20	1.07	03:30	0.37	09:10	2.19	0.95	03:30	0.006	09:10	0.056	0.022	2926	
04/16/2021	05:05	0.91	08:25	1.21	1.08	04:20	0.38	19:25	1.72	0.96	04:20	0.007	08:25	0.045	0.022	2972	
04/17/2021	05:05	0.93	13:20	1.21	1.08	05:05	0.45	12:00	2.05	1.01	05:05	0.008	12:00	0.050	0.023	3128	
04/18/2021	05:50	0.90	09:40	1.25	1.07	05:45	0.36	09:05	3.13	1.10	05:45	0.006	10:40	0.079	0.026	3428	
04/19/2021	04:50	0.90	09:35	1.16	1.05	05:40	0.43	09:30	3.33	0.93	05:25	0.008	09:30	0.081	0.021	2773	
04/20/2021	05:30	0.92	06:00	1.19	1.06	05:45	0.41	08:25	2.19	0.98	05:30	0.008	08:25	0.057	0.022	2940	
04/21/2021	04:20	0.89	09:20	1.16	1.04	04:25	0.45	08:20	2.51	0.96	04:25	0.008	08:20	0.061	0.021	2807	0.02
04/22/2021	05:45	0.89	12:00	1.15	1.05	02:40	0.44	22:15	1.87	0.96	05:35	0.008	22:15	0.046	0.021	2840	
04/23/2021	05:30	0.97	07:25	1.19	1.07	03:05	0.52	07:15	3.10	1.03	04:25	0.011	07:15	0.077	0.024	3158	
04/24/2021	04:10	0.90	18:30	1.34	1.08	04:50	0.44	13:10	2.30	0.99	04:50	0.008	18:25	0.068	0.023	3140	
04/25/2021	02:55	0.89	14:15	1.33	1.09	04:10	0.34	11:30	2.67	1.14	04:10	0.006	11:30	0.072	0.028	3694	
04/26/2021	05:45	0.91	08:40	1.34	1.12	04:15	0.43	08:20	2.42	0.98	04:15	0.008	08:20	0.069	0.024	3207	
04/27/2021	05:50	0.93	08:30	1.35	1.12	03:50	0.42	08:20	2.22	0.96	03:50	0.008	08:20	0.068	0.024	3176	
04/28/2021	01:30	0.91	09:30	1.33	1.12	03:35	0.44	13:15	2.50	0.98	03:35	0.008	13:15	0.065	0.024	3234	0.03
04/29/2021	02:20	0.99	21:10	1.36	1.16	02:15	0.49	08:45	3.28	1.07	02:15	0.010	08:45	0.091	0.027	3671	0.07
04/30/2021	00:40	0.91	08:15	1.38	1.14	01:20	0.54	08:20	3.06	0.97	00:50	0.010	08:20	0.094	0.024	3275	
05/01/2021	04:30	0.92	12:00	1.36	1.15	04:25	0.26	18:55	1.98	1.04	04:25	0.005	11:50	0.061	0.027	3655	
05/02/2021	03:40	0.95	11:15	1.32	1.14	06:20	0.35	07:50	1.79	0.86	06:20	0.007	07:50	0.046	0.022	2919	
05/03/2021	01:35	0.90	20:45	1.40	1.13	03:10	0.41	20:35	2.75	0.90	01:25	0.008	20:35	0.090	0.023	3025	0.11
05/04/2021	04:20	0.89	19:40	1.34	1.13	03:55	0.33	19:20	2.73	0.91	03:55	0.006	19:30	0.083	0.023	3050	0.01
05/05/2021	03:40	1.01	09:45	1.43	1.20	04:05	0.64	08:10	2.29	1.14	04:00	0.013	08:10	0.074	0.031	4158	
05/06/2021	01:50	1.07	12:25	1.45	1.25	04:25	0.60	07:45	3.06	1.13	04:25	0.014	07:50	0.102	0.033	4358	0.05
05/07/2021	04:40	1.17	07:40	1.44	1.27	04:05	0.59	12:30	2.24	1.07	04:05	0.015	07:25	0.070	0.031	4155	
05/08/2021	05:15	1.00	00:00	1.25	1.09	03:35	0.59	23:35	2.89	1.03	03:20	0.012	23:35	0.072	0.024	3215	
05/09/2021	03:50	1.00	09:45	1.25	1.09	02:30	0.57	09:00	3.24	1.12	02:30	0.012	09:00	0.086	0.027	3561	0.05
05/10/2021	16:30	0.88	17:30	1.22	1.07	16:25	0.45	08:50	1.92	0.87	16:25	0.008	08:50	0.050	0.020	2623	
05/11/2021	03:55	0.89	20:00	1.26	1.06	05:15	0.38	22:00	2.36	0.83	05:15	0.007	22:05	0.060	0.019	2506	
05/12/2021	04:50	0.88	07:55	1.24	1.05	03:20	0.41	07:00	1.77	0.89	03:30	0.007	07:00	0.040	0.020	2661	
05/13/2021	04:15	0.89	18:00	1.32	1.06	03:35	0.45	16:35	2.06	0.92	03:40	0.008	18:10	0.058	0.021	2815	
05/14/2021	04:25	0.90	09:40	1.18	1.08	04:25	0.42	08:10	2.43	1.30	04:25	0.007	08:10	0.060	0.030	4040	
05/15/2021	03:35	0.91	16:05	1.20	1.06	03:10	0.52	11:45	2.40	1.09	03:10	0.009	11:45	0.060	0.025	3278	0.01
05/16/2021	04:35	0.88	09:35	1.26	1.04	05:10	0.41	12:25	2.36	0.92	05:10	0.007	12:25	0.058	0.020	2727	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	23:45	0.87 13:25	1.24	1.05	04:10	0.39 15:40	2.08	0.89	04:10	0.007 15:35	0.044	0.020	2677	
05/18/2021	02:50	1.05 22:30	1.53	1.27	04:55	0.37 20:20	3.03	0.99	04:55	0.008 20:20	0.108	0.030	3944	0.09
05/19/2021	23:50	1.09 10:30	2.93	1.23	05:00	0.55 10:30	4.76	1.14	05:00	0.014 10:30	0.457	0.034	4541	0.10
05/20/2021	00:00	1.01 07:25	1.28	1.19	05:30	0.39 06:55	1.85	0.88	05:30	0.009 06:55	0.051	0.024	3144	
05/21/2021	04:15	1.03 07:40	1.30	1.18	05:00	0.47 19:40	1.69	0.92	05:00	0.010 19:40	0.048	0.024	3195	
05/22/2021	02:40	1.02 10:55	1.30	1.17	04:45	0.41 10:50	3.00	0.93	04:45	0.009 10:50	0.089	0.024	3268	
05/23/2021	05:20	1.00 21:00	1.53	1.20	05:20	0.40 21:00	4.08	1.06	05:20	0.008 21:00	0.154	0.030	3960	0.10
05/24/2021	03:45	1.01 22:05	1.40	1.19	03:45	0.41 07:25	2.19	0.88	03:45	0.008 07:25	0.064	0.024	3146	
05/25/2021	05:00	1.05 23:05	1.31	1.19	05:00	0.46 14:50	3.10	0.98	05:00	0.010 14:50	0.084	0.026	3474	
05/26/2021	07:20	0.94 01:55	7.28	1.49	00:40	0.56 02:30	5.87	1.86	23:55	0.014 02:00	1.218	0.116	15549	1.46
05/27/2021	04:40	1.02 17:05	1.27	1.09	04:05	0.38 16:25	2.89	0.90	04:05	0.008 16:25	0.078	0.021	2790	0.03
05/28/2021	15:15	1.02 05:15	1.74	1.14	03:00	0.57 05:20	4.37	1.29	03:00	0.012 05:20	0.198	0.036	4755	0.23
05/29/2021	01:35	0.95 08:10	1.47	1.17	04:55	0.45 09:15	1.75	1.07	01:35	0.010 08:10	0.056	0.027	3609	
05/30/2021	05:25	0.89 15:10	1.17	1.06	05:10	0.44 19:40	2.00	0.99	05:15	0.008 19:40	0.049	0.022	2991	
05/31/2021	03:45	0.91 19:30	1.18	1.05	05:30	0.42 19:30	2.50	0.99	05:30	0.007 19:30	0.064	0.022	2946	
06/01/2021	04:30	0.94 12:10	1.21	1.10	04:25	0.44 21:30	1.90	0.97	04:30	0.008 21:30	0.046	0.023	3067	
06/02/2021	05:50	1.02 18:55	1.26	1.17	03:45	0.50 07:30	2.39	1.12	03:45	0.011 07:30	0.061	0.029	3858	
06/03/2021	04:50	1.11 22:20	1.63	1.24	04:00	0.55 08:25	2.24	1.12	04:00	0.013 22:20	0.093	0.031	4207	
06/04/2021	00:05	1.11 07:10	1.51	1.29	01:55	0.59 09:45	2.22	1.18	03:50	0.016 09:45	0.073	0.035	4710	
06/05/2021	04:55	1.10 15:00	1.48	1.26	04:55	0.47 10:10	2.28	1.17	04:55	0.011 10:10	0.078	0.034	4595	
06/06/2021	05:25	1.05 12:25	1.49	1.26	05:10	0.54 15:50	2.01	1.17	05:25	0.012 16:15	0.070	0.034	4559	
06/07/2021	05:35	1.05 09:10	1.43	1.25	05:35	0.39 08:15	2.01	1.15	05:35	0.008 09:05	0.068	0.034	4494	
06/08/2021	03:40	1.07 14:45	1.53	1.31	04:00	0.48 09:45	2.39	1.11	04:00	0.011 09:45	0.083	0.035	4652	
06/09/2021	04:15	1.14 09:00	1.58	1.37	04:05	0.38 07:15	1.77	1.15	04:05	0.009 09:00	0.067	0.038	5105	
06/10/2021	04:00	1.16 12:45	1.62	1.32	03:50	0.33 13:30	2.46	1.12	03:50	0.008 13:30	0.090	0.035	4662	
06/11/2021	02:20	1.06 18:00	1.38	1.23	04:00	0.46 08:55	2.62	0.96	02:20	0.011 08:55	0.071	0.026	3514	
06/12/2021	21:35	1.04 15:10	14.49	1.31	05:50	0.28 15:00	5.61	1.19	05:50	0.007 15:15	1.830	0.060	8037	0.62
06/13/2021	05:55	0.92 17:40	1.25	1.07	05:55	0.38 17:25	2.99	1.08	05:55	0.007 17:40	0.079	0.025	3337	
06/14/2021	04:10	0.99 19:05	1.20	1.12	04:40	0.36 11:55	1.73	1.07	04:40	0.007 12:00	0.044	0.026	3449	
06/15/2021	05:45	0.90 00:55	1.15	1.03	04:50	0.38 07:55	1.67	1.08	04:50	0.007 07:55	0.037	0.023	3061	
06/16/2021	00:40	0.88 15:55	1.19	1.04	03:40	0.29 22:05	2.01	1.10	03:40	0.005 22:05	0.047	0.024	3254	
06/17/2021	04:35	0.81 09:05	1.20	1.04	04:00	0.39 08:20	2.14	1.20	04:05	0.006 08:20	0.055	0.027	3567	
06/18/2021	21:00	0.85 05:05	4.01	1.00	04:25	0.44 05:05	5.55	1.30	04:25	0.007 05:05	0.824	0.040	5330	0.38
06/19/2021	04:35	0.78 21:45	1.09	0.91	04:15	0.37 20:45	2.59	1.05	04:15	0.005 21:45	0.048	0.019	2548	
06/20/2021	05:25	0.77 23:40	74.77	2.51	05:20	0.38 23:15	5.65	1.16	05:20	0.005 23:55	1.104	0.054	7162	1.78
06/21/2021	04:25	0.85 00:00	43.59	1.39	04:15	0.64 00:15	5.69	1.51	04:15	0.010 00:00	1.186	0.068	9073	0.03
06/22/2021	05:20	0.76 21:30	1.05	0.88	04:40	0.35 06:55	1.85	0.90	04:45	0.005 12:20	0.033	0.015	2070	
06/23/2021	04:45	0.78 09:40	1.06	0.94	04:40	0.34 09:25	1.90	0.97	04:40	0.005 09:25	0.040	0.018	2450	
06/24/2021	02:25	0.78 15:45	2.12	0.97	04:45	0.28 15:45	4.67	1.23	04:45	0.004 15:45	0.282	0.030	3948	0.31
06/25/2021	03:35	0.77 05:10	9.79	1.37	03:30	0.32 09:45	5.81	2.08	03:30	0.005 09:45	1.235	0.116	15494	0.03
06/26/2021	22:45	0.88 11:50	37.19	1.77	01:10	0.61 12:10	5.77	2.12	01:10	0.011 12:00	1.450	0.136	18136	0.01
06/27/2021	05:25	0.77 17:40	1.01	0.92	05:05	0.33 18:40	1.76	1.00	05:05	0.004 11:50	0.034	0.018	2427	0.02
06/28/2021	00:15	0.89 03:40	3.31	1.02	00:40	0.49 03:35	5.49	1.11	00:40	0.008 03:40	0.625	0.031	4093	0.02
06/29/2021	04:50	0.85 10:45	2.75	1.08	04:25	0.31 10:40	5.29	1.25	04:25	0.005 10:45	0.463	0.039	5267	0.02
06/30/2021	16:50	0.86 08:25	1.07	0.97	03:10	0.43 20:45	2.32	1.01	03:10	0.007 20:45	0.047	0.020	2623	0.02
07/01/2021	19:20	0.83 09:05	1.01	0.92	04:20	0.47 09:00	2.10	0.98	04:20	0.007 09:00	0.043	0.018	2353	0.01
07/02/2021	12:55	0.84 08:00	1.06	0.93	02:45	0.45 14:45	2.37	0.98	02:45	0.007 14:45	0.048	0.018	2417	0.01
07/03/2021	17:05	0.85 09:15	1.14	0.93	06:05	0.40 10:45	2.52	0.98	06:05	0.007 10:45	0.056	0.018	2430	
07/04/2021	11:55	0.76 10:30	1.03	0.86	00:55	0.23 22:35	1.60	0.69	04:10	0.004 22:35	0.027	0.011	1529	
07/05/2021	01:15	0.83 11:15	1.05	0.89	01:55	0.64 11:15	2.53	1.01	01:20	0.010 11:15	0.055	0.017	2327	
07/06/2021	02:45	0.87 16:10	1.04	0.96	02:15	0.45 19:35	2.22	1.06	02:15	0.008 07:45	0.044	0.020	2720	
07/07/2021	03:40	0.83 18:35	1.16	0.96	03:25	0.51 18:35	3.08	1.06	03:25	0.008 18:35	0.078	0.020	2719	
07/08/2021	04:25	0.87 08:45	1.04	0.96	04:20	0.36 08:00	1.71	0.97	04:20	0.006 08:00	0.036	0.019	2524	
07/09/2021	02:30	0.87 08:35	1.07	0.97	04:50	0.35 15:40	1.95	1.00	04:50	0.006 18:05	0.037	0.020	2630	
07/10/2021	04:50	0.86 20:55	2.04	0.99	05:50	0.41 21:00	4.81	1.20	03:00	0.007 21:00	0.276	0.029	3908	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
07/11/2021	04:40	0.86 12:50	0.97	0.90	05:25	0.51 12:35	2.06	1.01	05:25	0.008 12:35	0.039	0.018	2373	
07/12/2021	00:45	0.85 20:40	1.38	0.93	05:55	0.42 20:40	3.76	1.03	05:55	0.007 20:40	0.122	0.020	2620	
07/13/2021	05:45	0.86 17:20	1.00	0.91	05:30	0.44 17:20	2.42	1.00	05:30	0.007 17:20	0.049	0.018	2378	
07/14/2021	03:20	0.84 08:30	1.01	0.90	07:05	0.37 21:55	1.59	0.93	07:05	0.006 21:55	0.030	0.016	2169	
07/15/2021	17:40	0.82 23:45	2.68	1.00	03:05	0.41 23:45	5.43	1.30	03:10	0.007 23:45	0.460	0.038	5134	0.37
07/16/2021	04:05	0.81 00:00	4.56	1.01	03:40	0.68 00:00	5.87	1.36	03:40	0.011 00:00	1.040	0.049	6594	0.32
07/17/2021	00:10	0.83 09:25	1.03	0.91	05:15	0.42 22:25	1.92	1.07	05:15	0.007 22:25	0.032	0.019	2555	
07/18/2021	05:20	0.81 22:05	1.07	0.89	05:35	0.37 22:00	2.76	1.05	05:35	0.005 22:00	0.061	0.018	2440	
07/19/2021	00:15	0.82 11:45	1.26	0.90	04:45	0.41 11:45	3.49	1.03	04:45	0.006 11:45	0.099	0.018	2417	
07/20/2021	23:30	0.84 12:25	1.02	0.90	04:35	0.46 20:05	1.81	0.95	04:35	0.007 20:05	0.032	0.017	2238	
07/21/2021	04:10	0.79 11:40	1.01	0.91	03:00	0.43 11:40	2.09	0.95	03:45	0.006 11:40	0.043	0.017	2292	
07/22/2021	04:05	0.79 07:20	1.04	0.93	03:45	0.38 08:40	2.23	0.96	03:45	0.005 08:40	0.047	0.018	2391	
07/23/2021	05:10	0.87 10:40	1.06	0.94	04:45	0.72 16:15	2.16	1.09	04:45	0.012 08:50	0.042	0.020	2685	0.01
07/24/2021	04:05	0.79 17:00	1.67	0.93	04:35	0.40 16:55	4.48	1.12	04:30	0.006 17:00	0.192	0.022	2989	0.08
07/25/2021	04:45	0.82 08:10	0.96	0.88	05:10	0.37 18:00	2.35	1.00	05:10	0.006 18:00	0.038	0.017	2273	
07/26/2021	03:40	0.77 08:35	1.05	0.83	03:20	0.44 08:30	3.19	0.89	03:20	0.006 08:30	0.068	0.014	1884	
07/27/2021	04:50	0.76 21:25	1.09	0.85	04:45	0.36 21:20	1.88	0.89	04:50	0.005 21:25	0.043	0.015	1949	
07/28/2021	04:15	0.77 13:10	1.09	0.90	05:30	0.41 13:10	2.98	0.99	04:15	0.006 13:10	0.069	0.018	2388	0.01
07/29/2021	01:20	0.79 03:20	1.71	0.89	01:05	0.51 03:20	4.56	1.08	01:05	0.007 03:20	0.202	0.020	2705	0.10
07/30/2021	03:15	0.78 18:05	1.06	0.93	03:15	0.41 08:30	1.95	1.21	03:15	0.006 08:30	0.042	0.022	3001	
07/31/2021	04:20	0.80 19:50	1.14	0.94	04:35	0.58 10:40	2.55	1.23	04:35	0.009 10:40	0.062	0.024	3155	
08/01/2021	04:05	0.79 14:25	1.02	0.87	03:45	0.37 13:30	2.42	0.97	03:45	0.005 13:30	0.047	0.016	2174	
08/02/2021	03:50	0.79 18:20	1.04	0.91	04:00	0.44 12:15	1.76	1.11	04:00	0.006 17:05	0.033	0.020	2672	
08/03/2021	04:15	0.80 09:20	1.03	0.91	04:50	0.48 08:15	1.66	1.07	04:50	0.007 08:35	0.033	0.019	2564	
08/04/2021	04:10	0.85 22:55	1.29	1.02	03:50	0.64 09:15	2.24	0.99	03:50	0.011 09:15	0.045	0.021	2767	
08/05/2021	17:30	0.88 01:15	1.11	0.95	01:55	0.38 10:05	2.56	0.98	01:55	0.008 10:05	0.052	0.018	2445	
08/06/2021	11:15	0.87 11:10	1.21	1.00	04:05	0.50 22:20	4.24	1.14	04:05	0.010 22:20	0.092	0.023	3084	0.13
08/07/2021	02:30	0.93 18:40	1.23	1.05	04:20	0.34 10:25	1.41	0.84	04:20	0.006 11:20	0.033	0.018	2446	
08/08/2021	13:15	0.95 21:15	1.39	1.09	06:00	0.27 10:35	1.68	0.72	06:00	0.006 10:35	0.035	0.016	2195	0.01
08/09/2021	19:40	0.85 20:50	3.65	1.13	07:00	0.21 20:50	5.84	1.61	07:00	0.005 20:50	0.764	0.055	7322	1.42
08/10/2021	05:05	0.78 20:00	25.56	1.25	04:05	0.63 20:15	5.89	1.45	04:25	0.009 20:00	1.406	0.069	9208	0.91
08/11/2021	04:00	0.78 20:40	1.25	1.01	03:55	0.47 11:25	3.43	1.21	03:55	0.007 11:45	0.095	0.026	3483	0.08
08/12/2021	04:50	1.01 08:10	1.29	1.10	04:00	0.20 15:15	1.80	1.16	04:00	0.004 08:10	0.050	0.028	3679	
08/13/2021	05:30	0.94 07:45	1.21	1.05	04:40	0.26 07:15	1.84	1.09	05:30	0.005 07:15	0.045	0.024	3224	
08/14/2021	04:50	0.88 10:10	1.19	1.03	04:55	0.40 20:15	1.93	1.21	04:55	0.007 20:15	0.046	0.026	3486	
08/15/2021	05:30	0.88 20:30	1.18	1.02	05:35	0.21 21:15	1.84	1.22	05:35	0.003 21:15	0.046	0.027	3543	
08/16/2021	02:45	0.89 18:10	1.19	1.02	05:00	0.44 20:10	2.22	1.28	02:45	0.008 20:10	0.051	0.027	3644	
08/17/2021	13:25	0.80 06:20	1.08	0.91	03:15	0.44 10:15	3.42	1.03	02:45	0.007 10:15	0.074	0.018	2449	
08/18/2021	01:20	0.81 16:20	0.99	0.90	04:05	0.33 14:15	2.08	0.99	04:10	0.005 14:15	0.037	0.017	2310	
08/19/2021	02:40	0.78 08:50	0.88	0.82	05:40	0.38 06:50	1.52	0.87	05:40	0.005 06:50	0.023	0.013	1770	
08/20/2021	01:35	0.78 17:50	0.94	0.84	04:30	0.42 12:30	2.11	0.94	04:30	0.006 12:30	0.035	0.015	1971	
08/21/2021	01:20	0.80 17:15	1.05	0.88	05:55	0.47 17:10	2.60	1.00	05:55	0.007 17:10	0.056	0.017	2279	
08/22/2021	14:30	0.75 10:55	0.98	0.81	04:50	0.55 10:55	2.63	0.94	04:50	0.008 10:55	0.052	0.014	1891	
08/23/2021	01:15	0.71 17:40	1.00	0.82	01:30	0.66 07:40	2.09	0.98	01:30	0.008 07:40	0.036	0.015	2012	
08/24/2021	00:35	0.77 18:20	42.06	2.19	04:00	0.55 19:15	5.79	1.71	04:00	0.008 18:50	1.491	0.140	18740	1.71
08/25/2021	10:20	0.82 23:55	1.20	0.88	04:50	0.63 23:40	3.36	1.09	04:50	0.010 23:45	0.087	0.019	2530	0.09
08/26/2021	02:05	0.89 00:00	1.16	1.01	02:15	0.82 00:00	2.07	1.19	02:15	0.014 00:00	0.052	0.024	3266	0.01
08/27/2021	02:00	1.01 18:15	1.21	1.10	05:25	0.72 22:45	1.67	1.10	02:30	0.016 22:45	0.040	0.026	3436	
08/28/2021	12:00	1.02 06:50	1.27	1.10	03:50	0.37 12:25	1.97	1.02	03:50	0.009 12:25	0.051	0.024	3167	0.09
08/29/2021	19:10	0.86 14:10	1.38	0.97	04:40	0.60 14:10	3.53	1.03	05:40	0.012 14:10	0.114	0.021	2773	0.09
08/30/2021	13:30	0.83 10:45	1.09	0.89	04:45	0.61 10:30	2.73	0.96	04:45	0.010 10:30	0.062	0.017	2212	
08/31/2021	04:55	0.80 11:00	1.63	0.89	01:55	0.48 11:05	4.42	1.02	01:55	0.008 11:00	0.182	0.020	2663	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			569350	11.87
Avg	1.07	1.09	0.028	

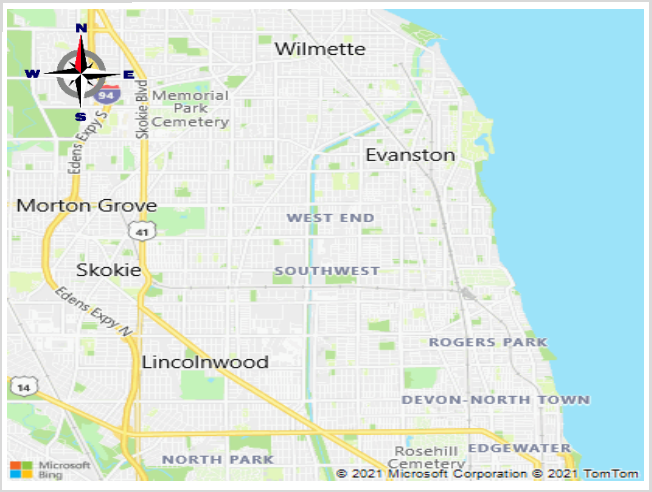
Evanston, IL

Flow Monitoring Site Report

SITE NAME

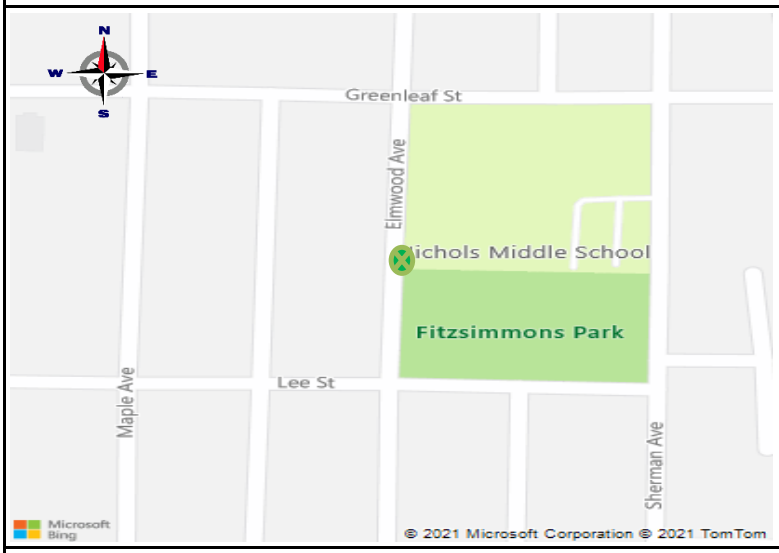
B8104500

Site Address /Location:	1006 Elmwood Ave.			Monitor Series	Location Type
				TRITON+	Temporary
Site Access Details:	in road	Latitude:	42.036533	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.68366	68.25 x 68.25	Circular



Manhole #	System Characteristics
B81_04500	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, July 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
3:15:00 PM	68.25 x 68.25
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
13.00	53.75
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.50"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.7	6
Silt (in)	Silt Type
2.25	Soft / Loose
Hydraulic Comments:	
Poor; Silt	

Manhole / Pipe Information:

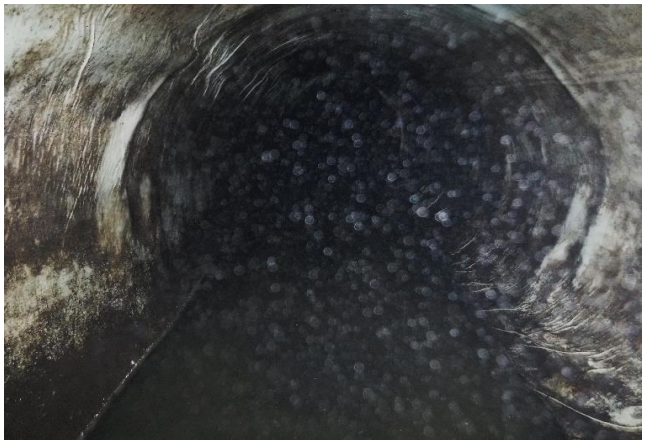
Manhole Depth (Approx. FT):	Manhole Configuration
17	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

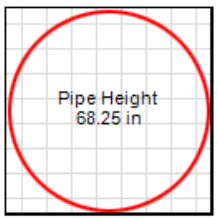
Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

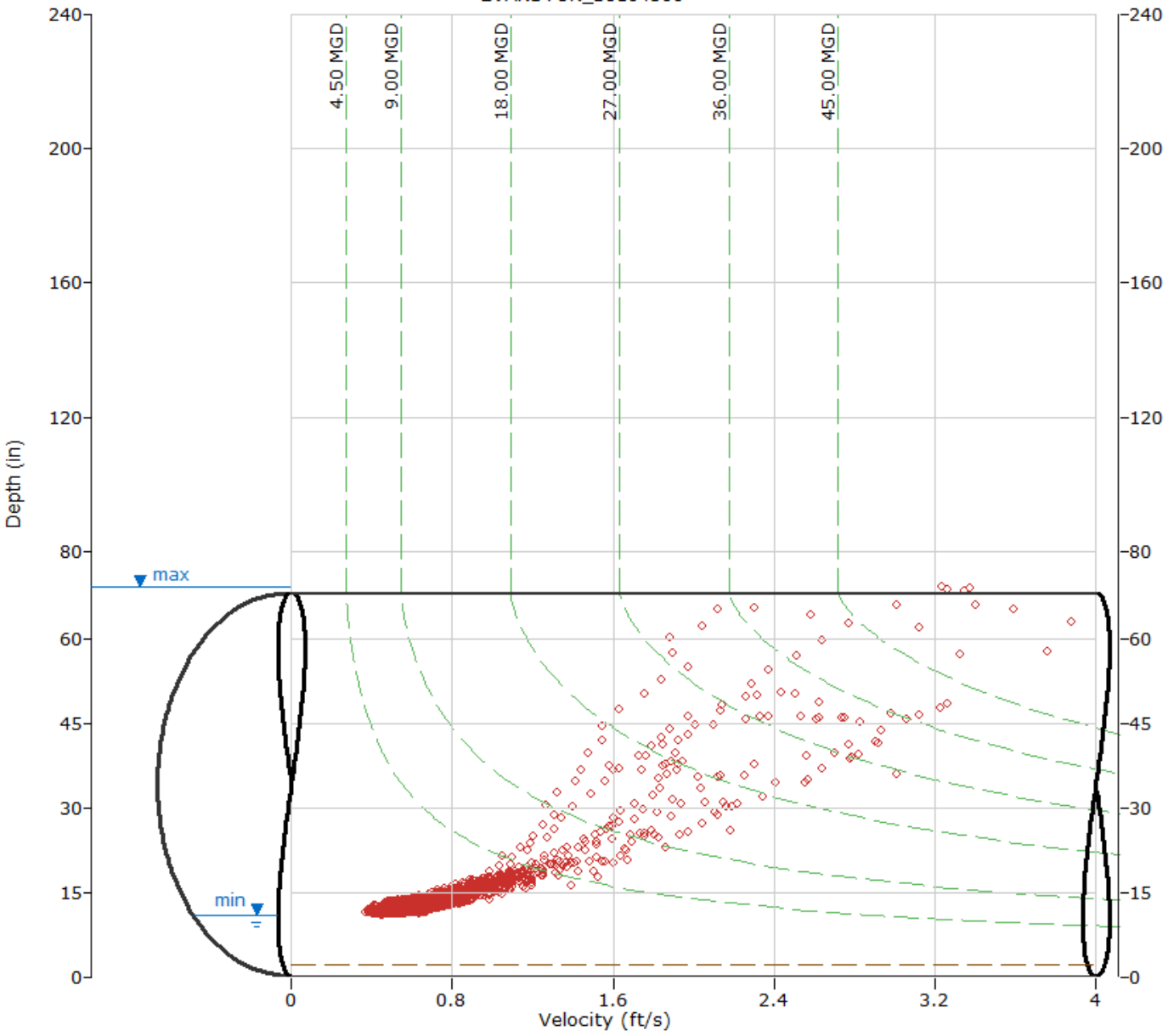


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



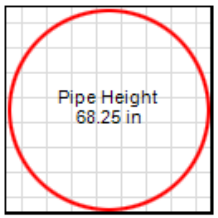
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

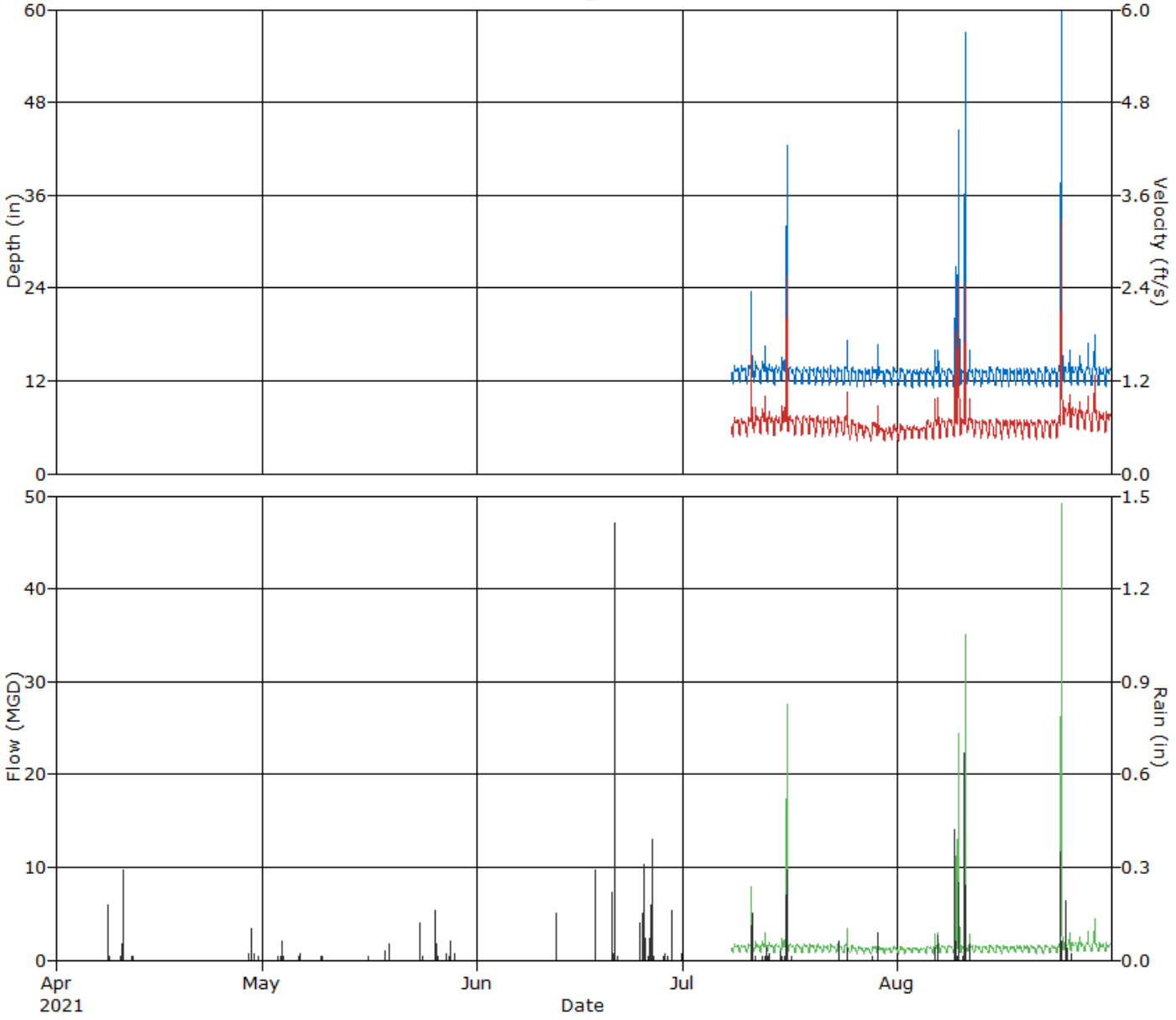


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



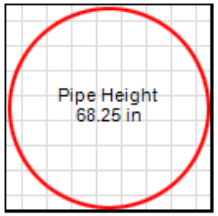
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

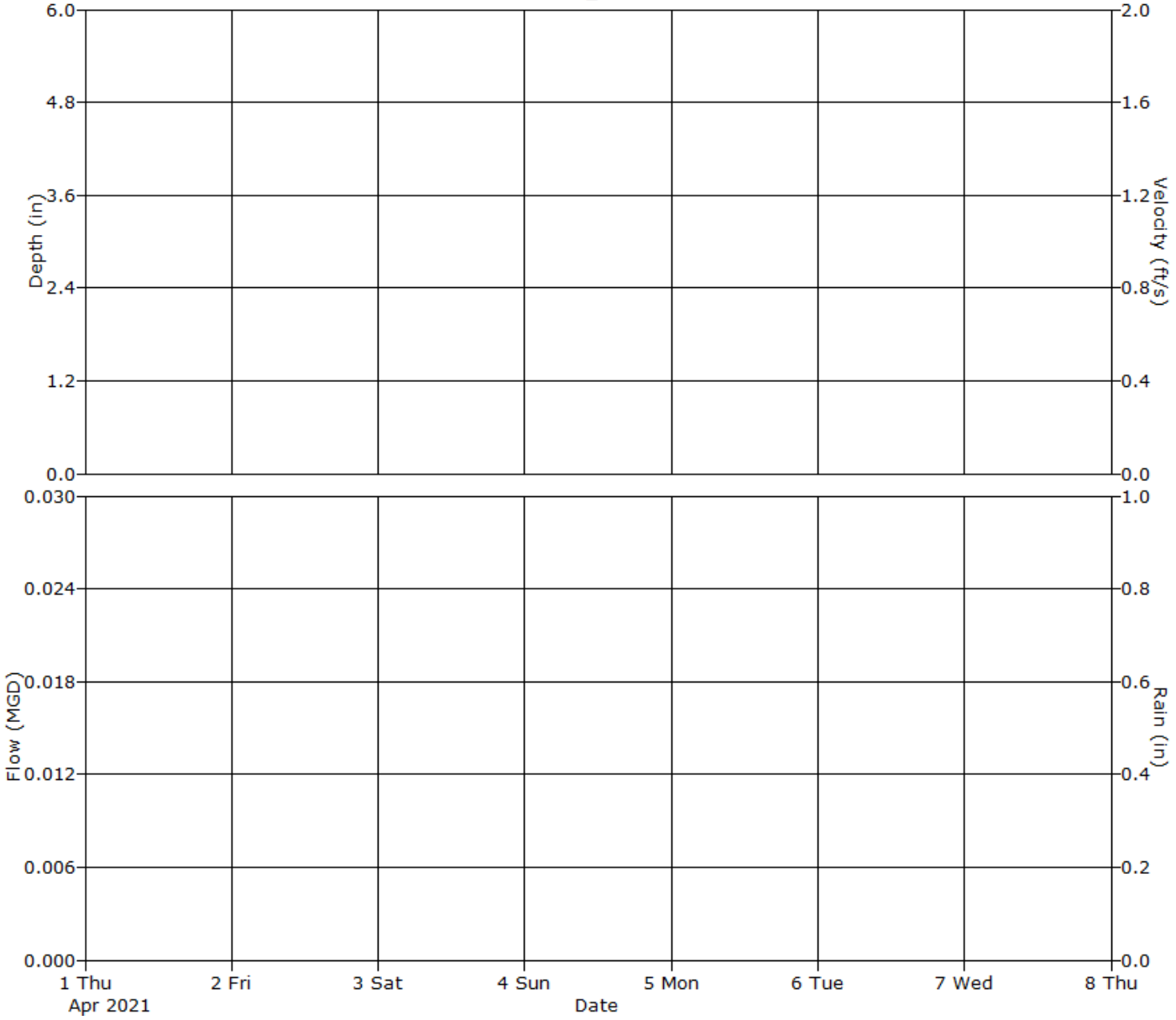


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



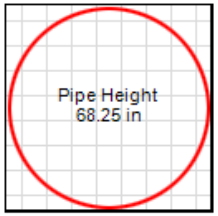
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

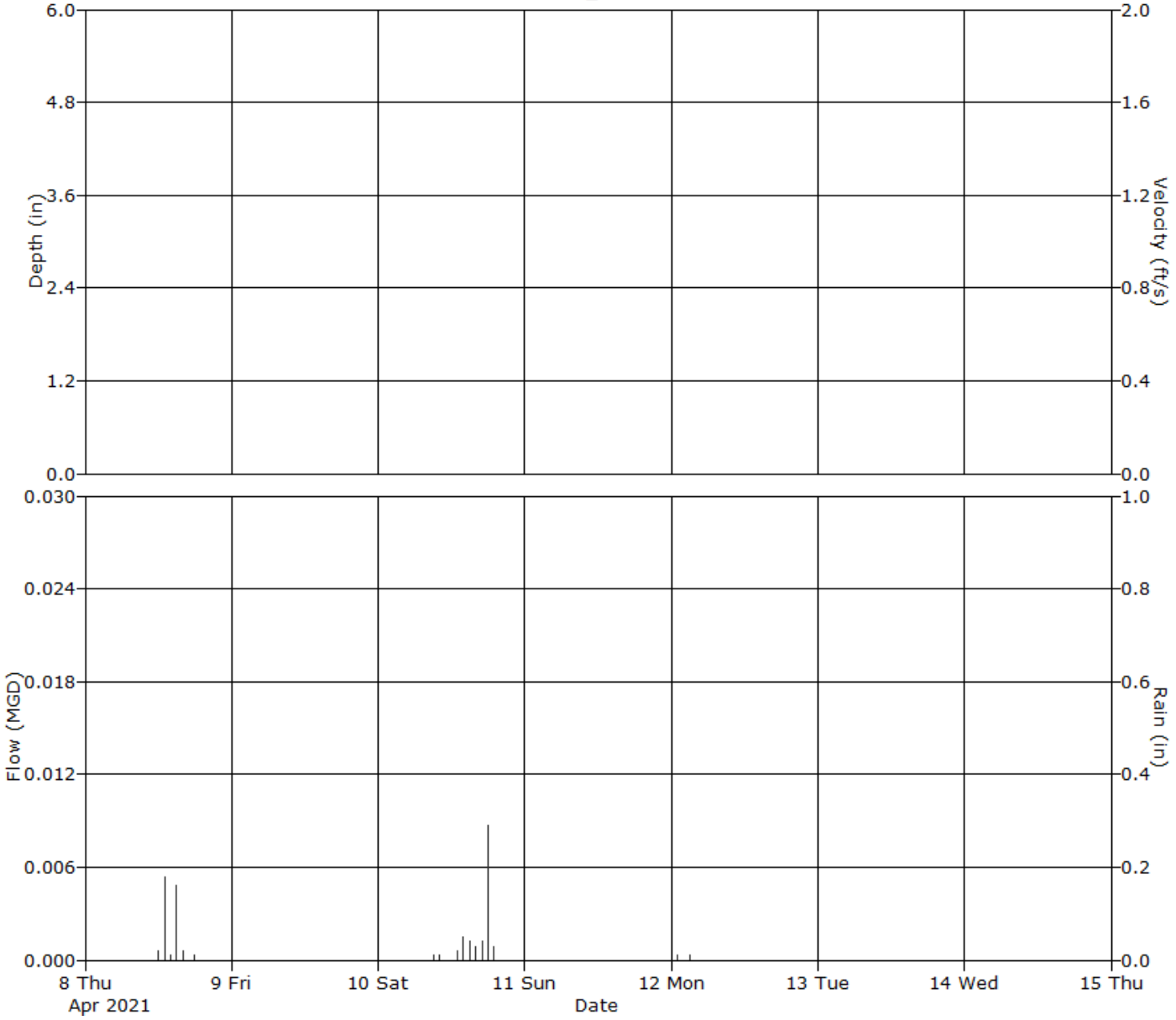


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



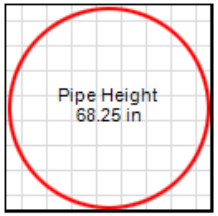
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

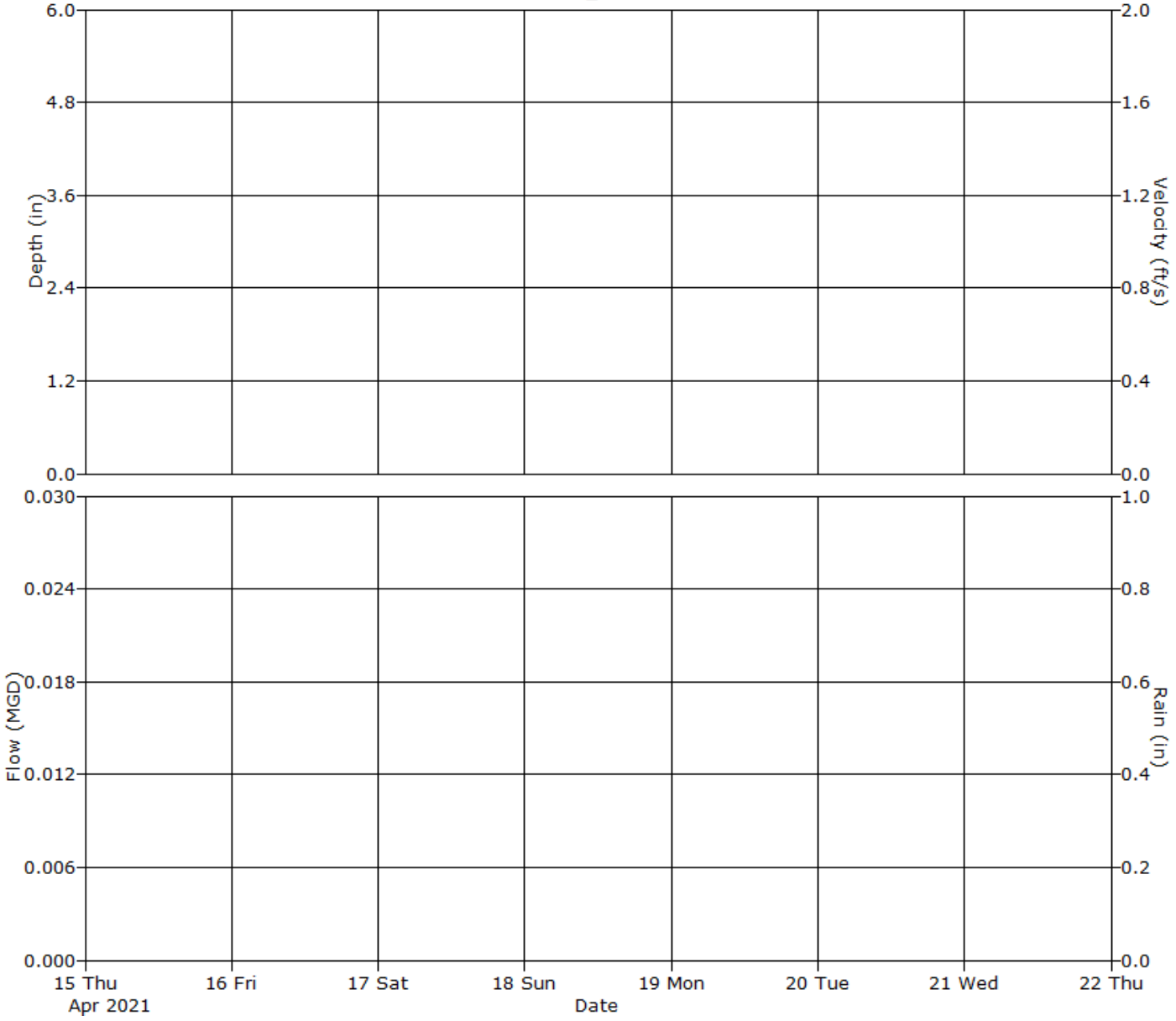


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



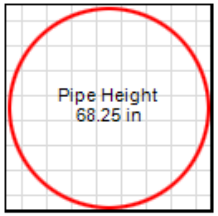
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

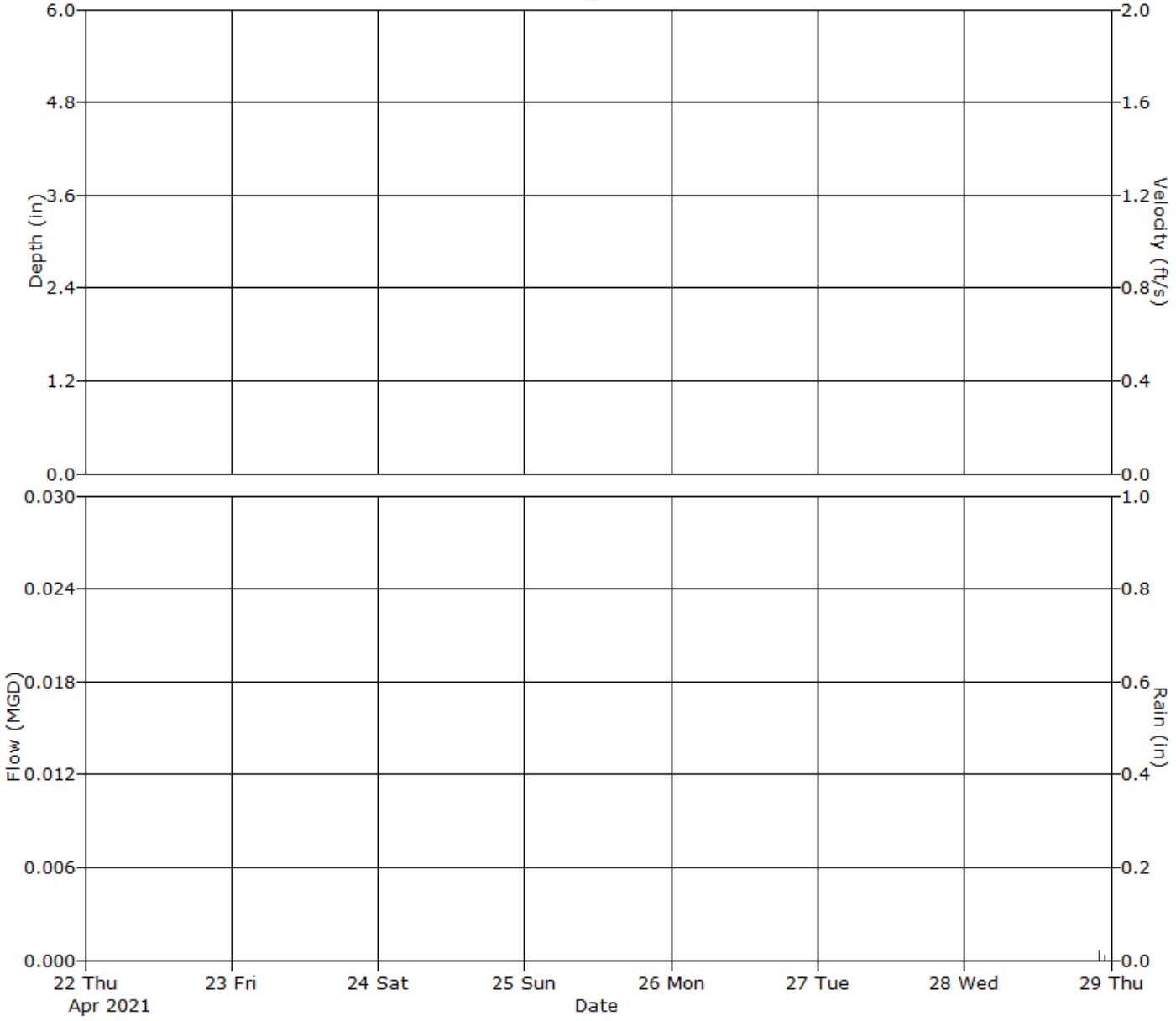


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



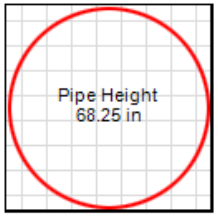
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

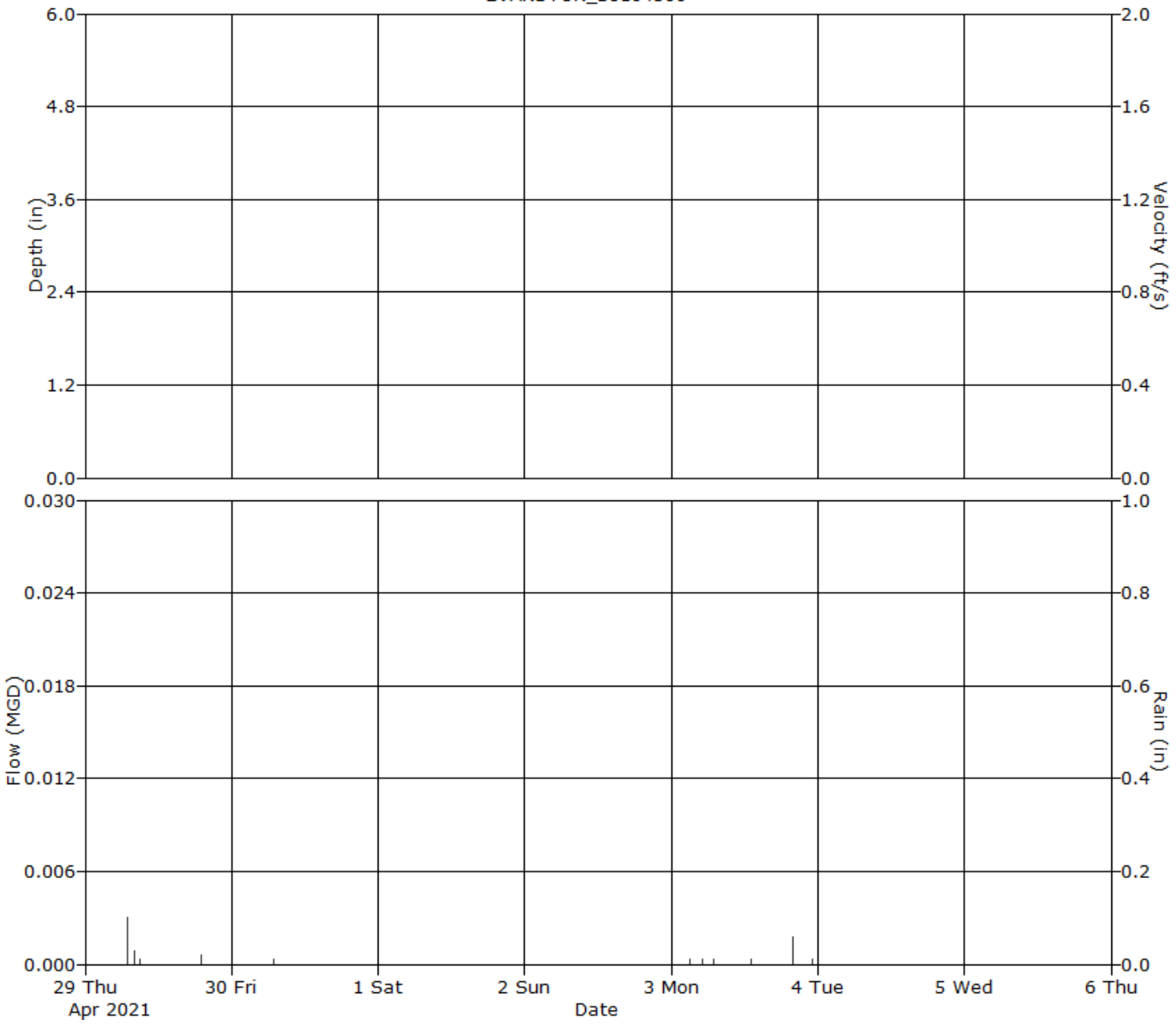


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



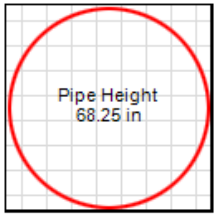
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

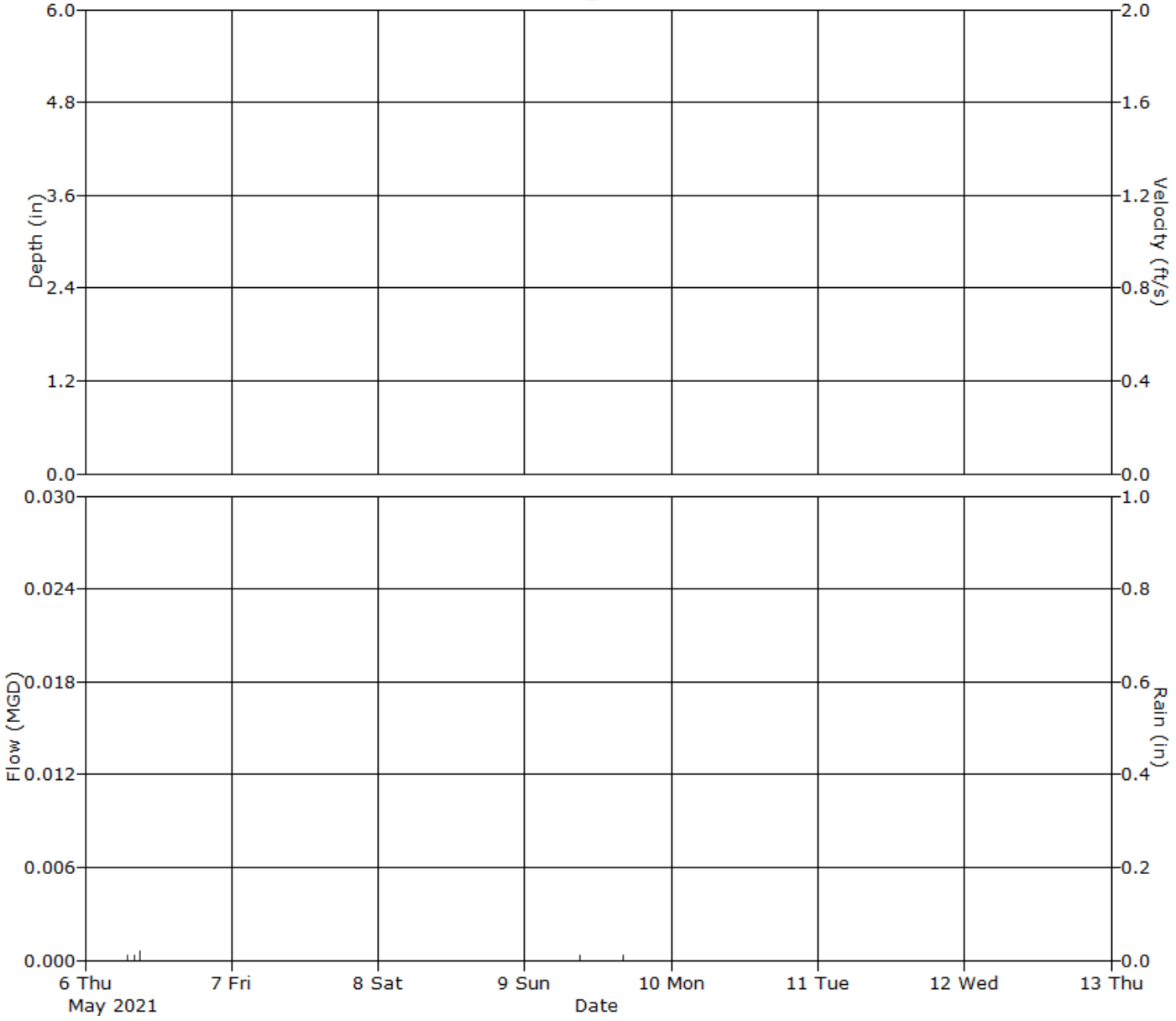


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



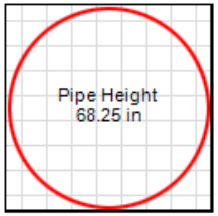
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

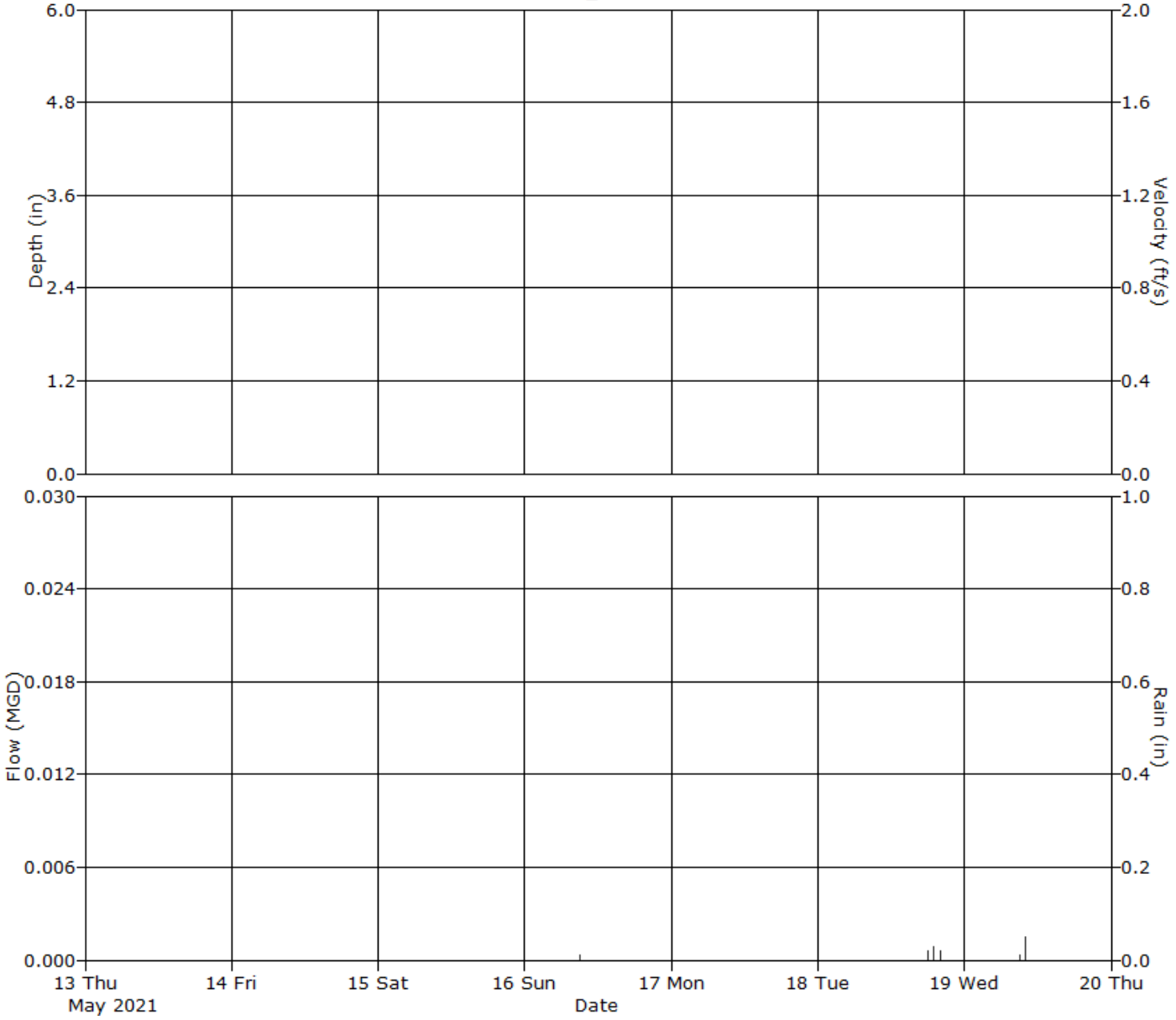


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



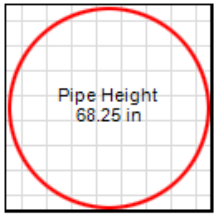
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

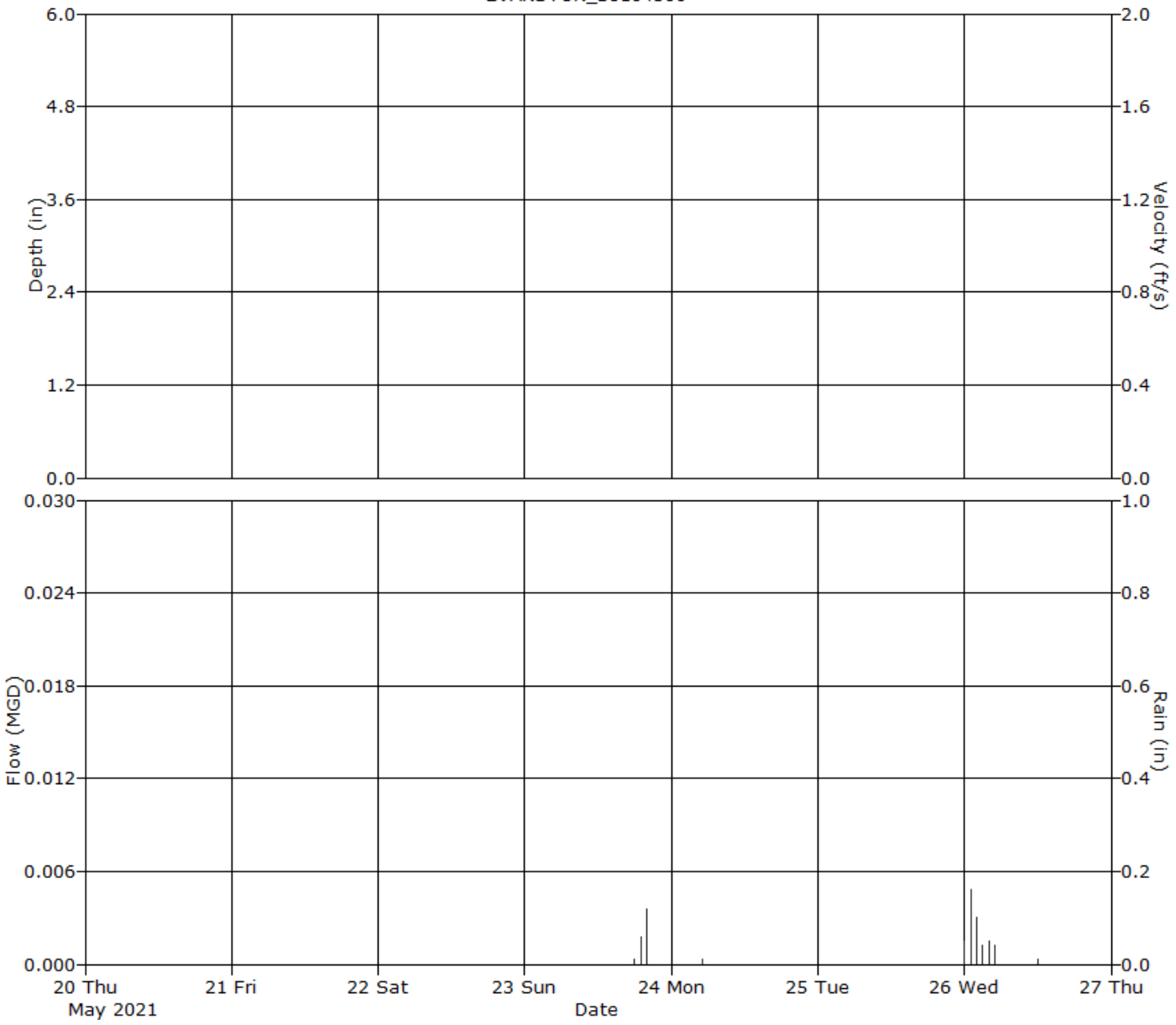


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



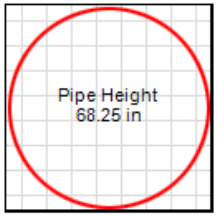
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

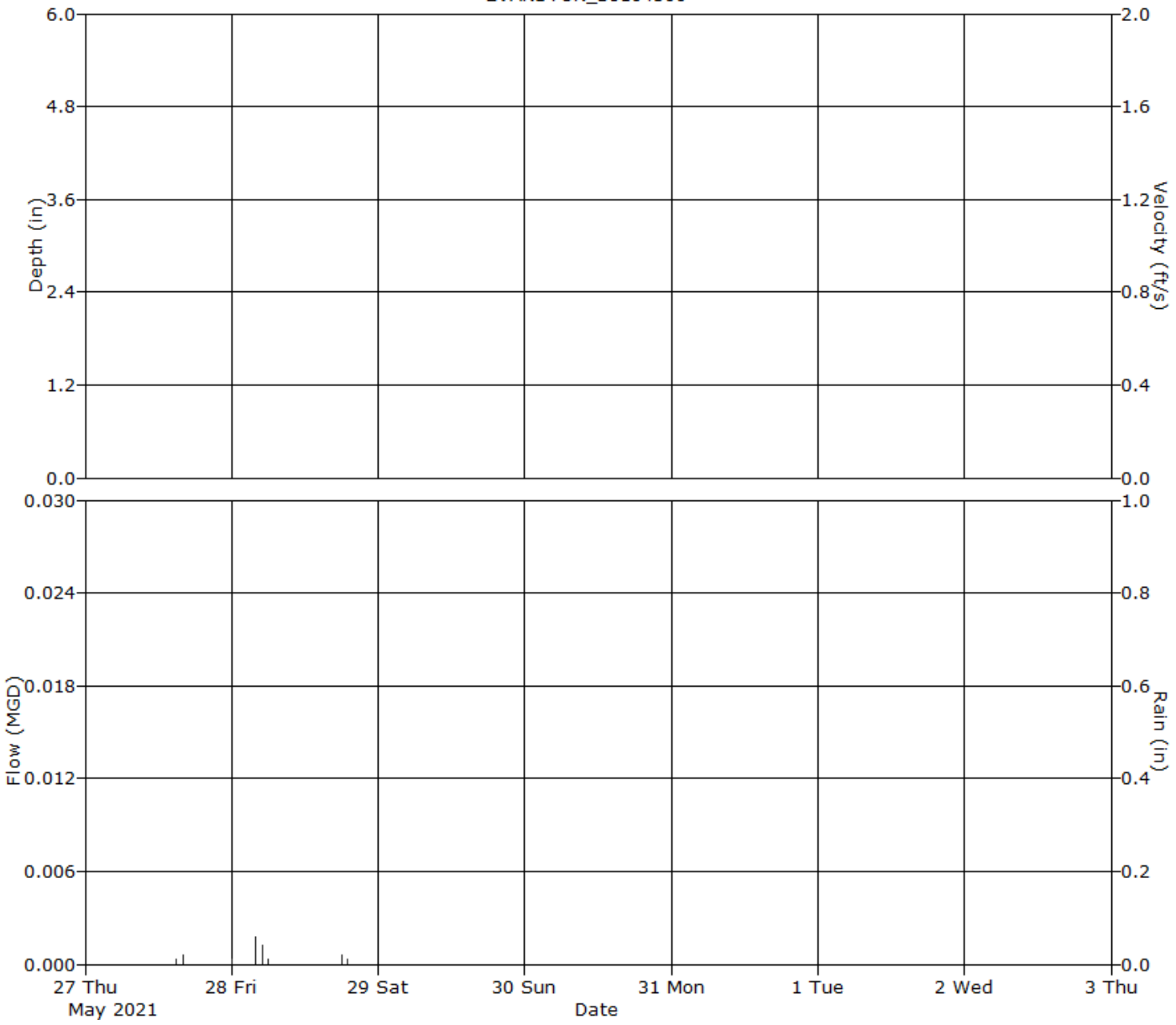


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



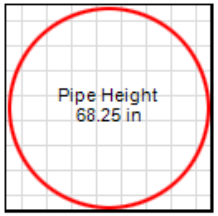
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

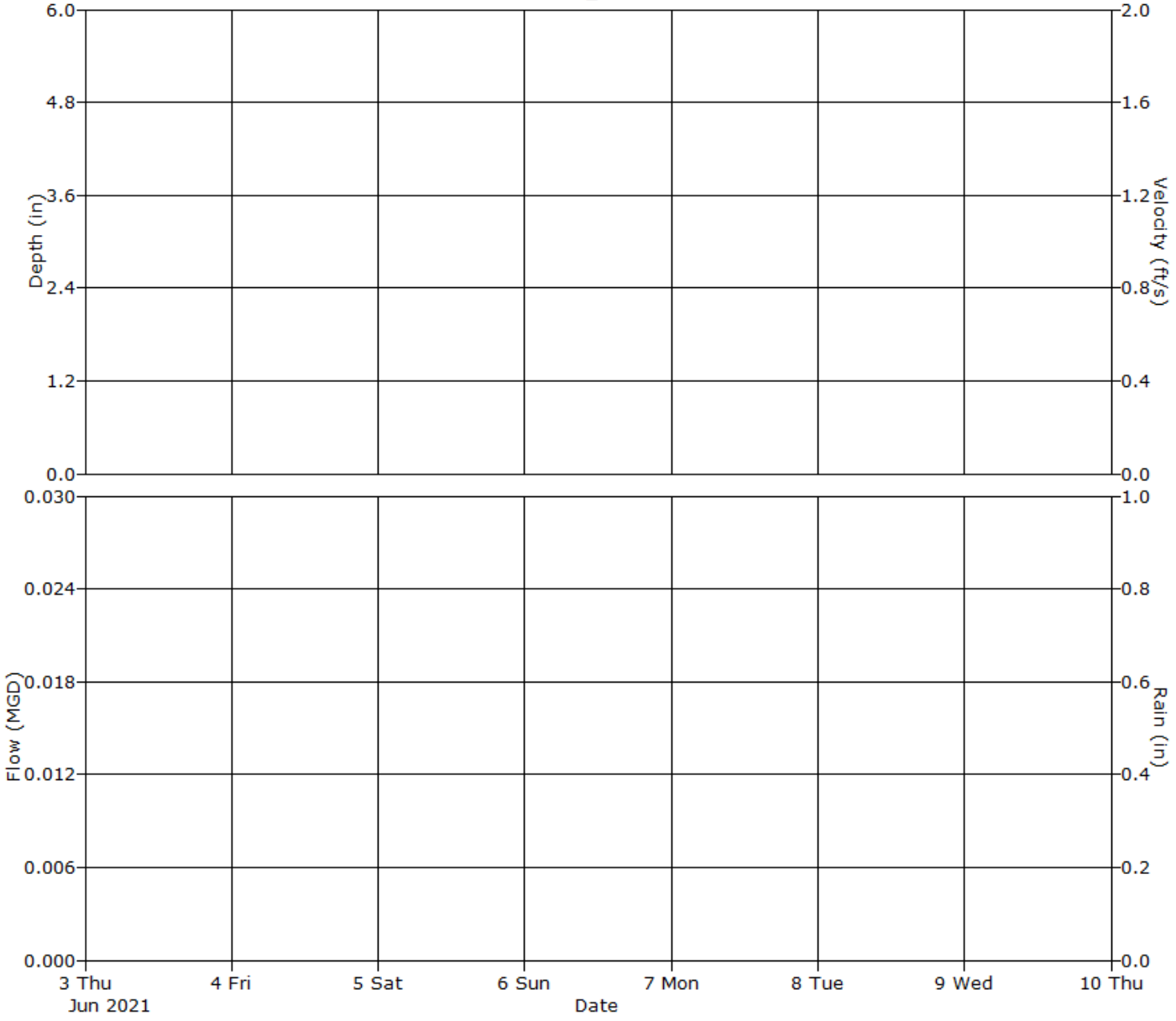


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



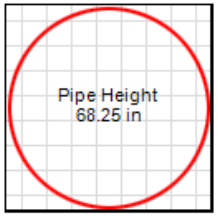
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

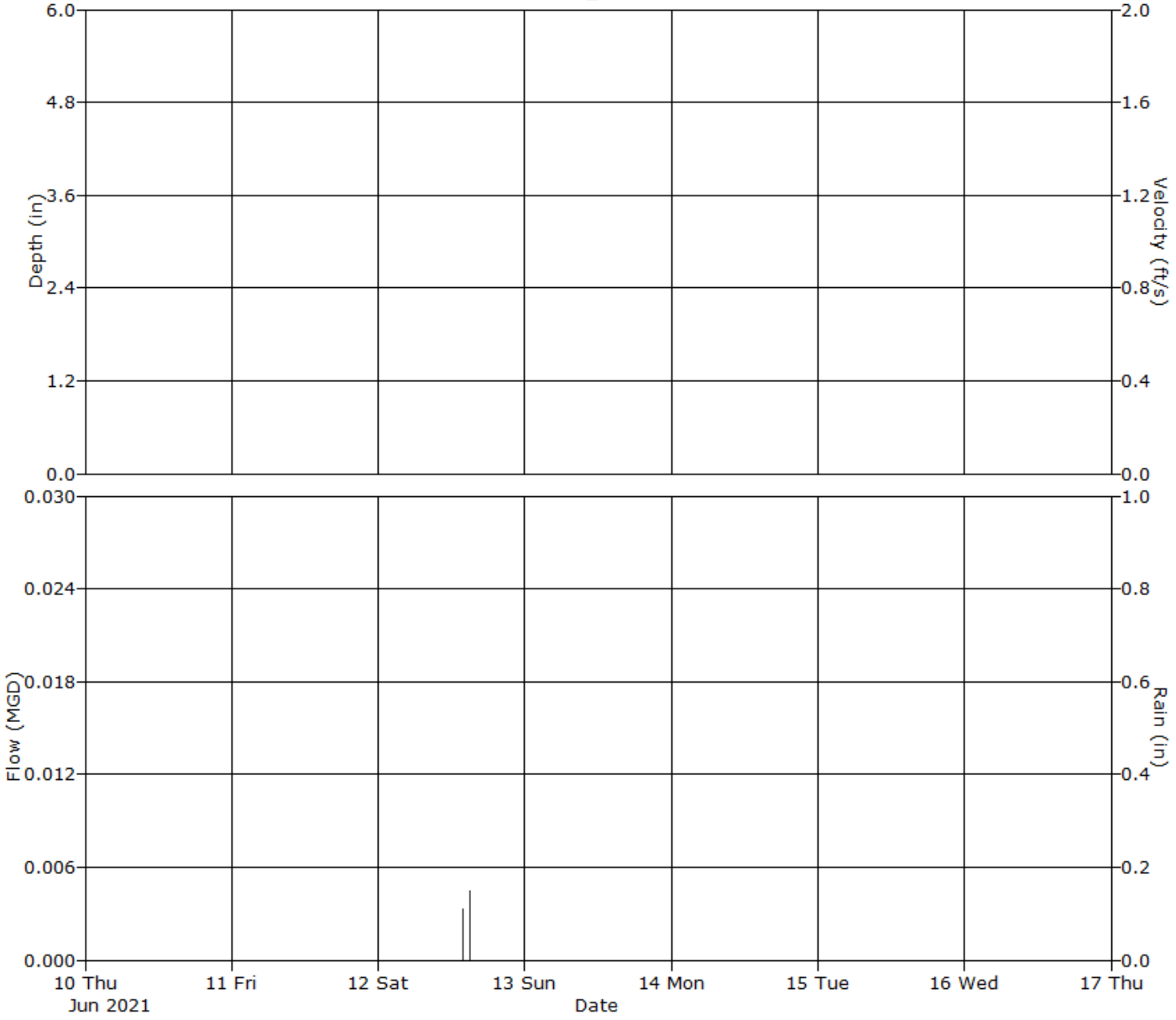


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



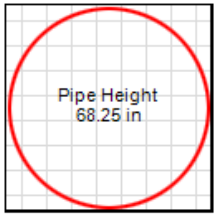
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

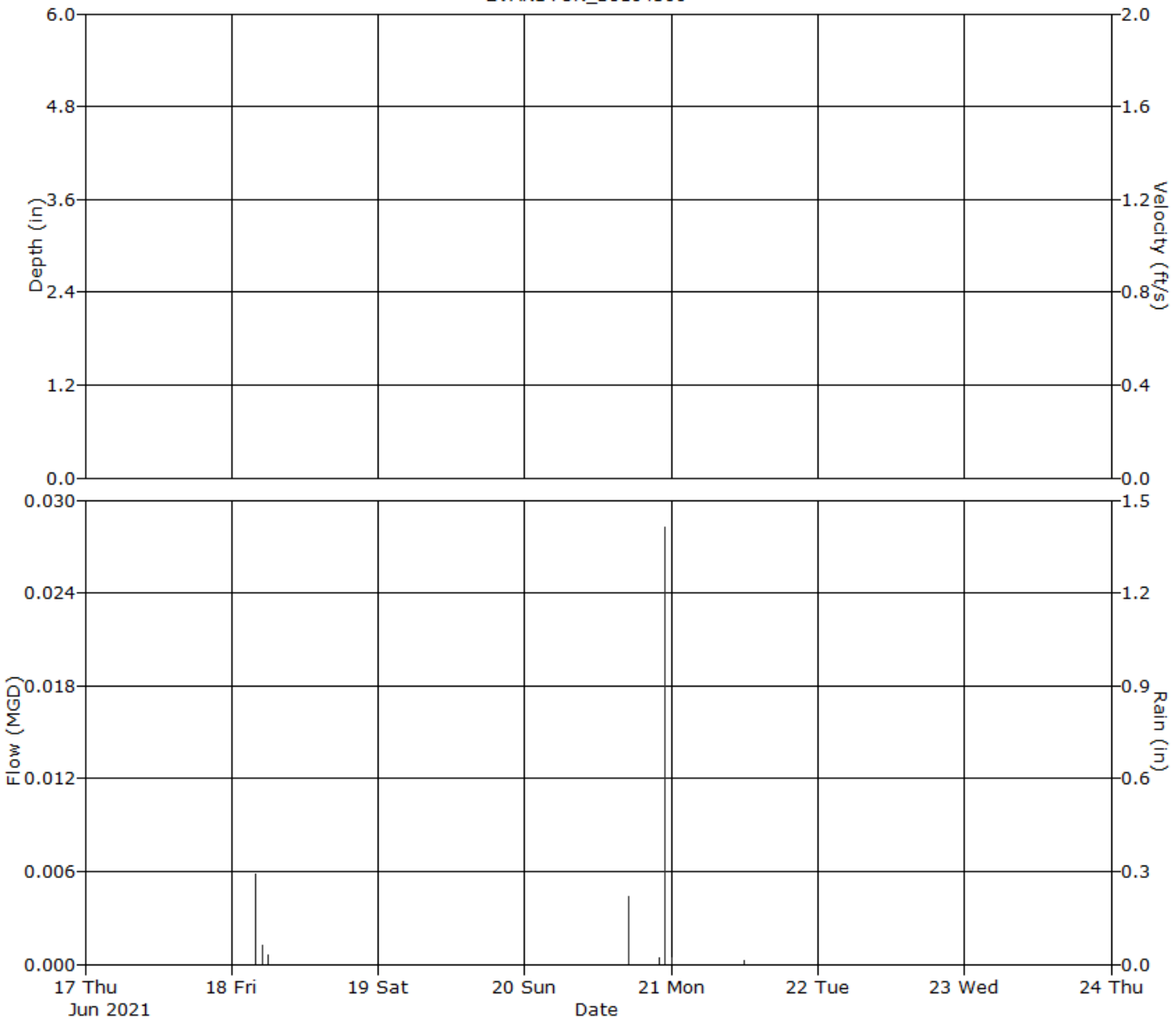


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



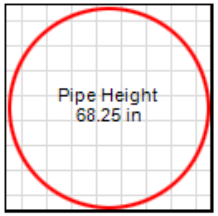
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

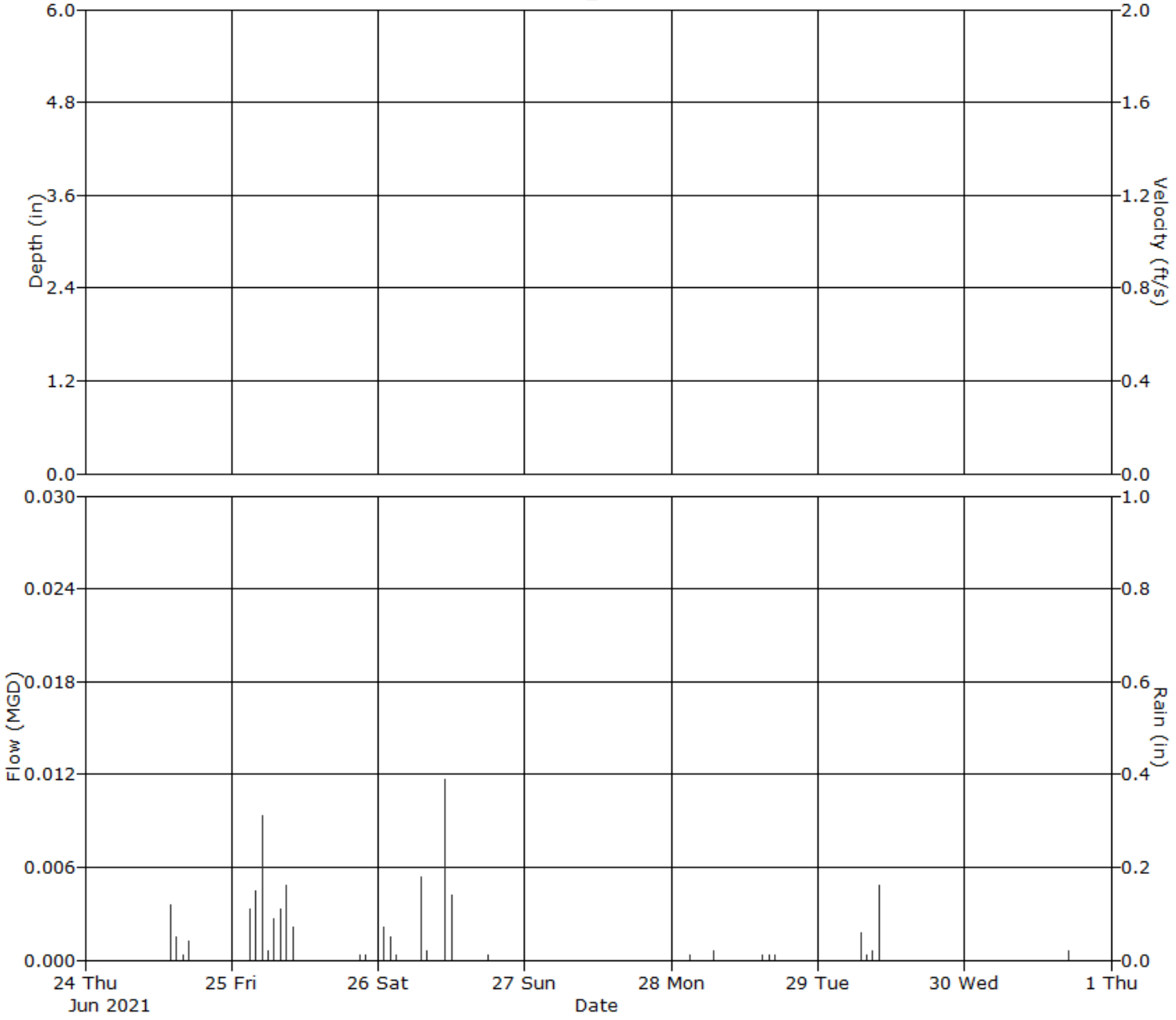


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



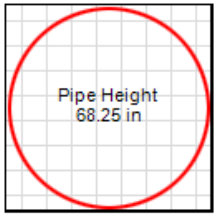
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

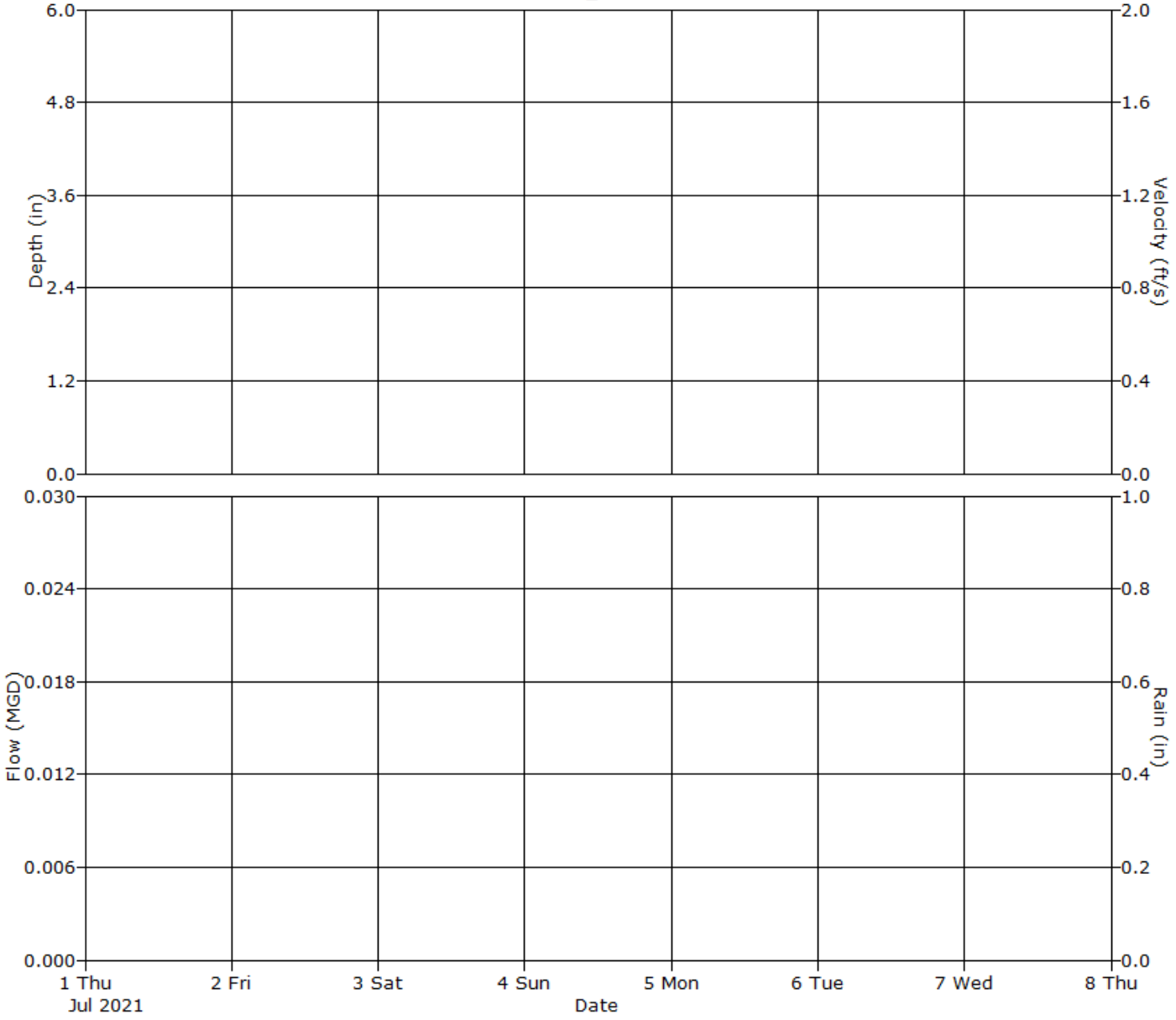


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



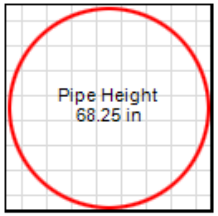
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500



Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



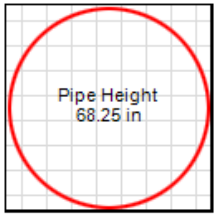
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

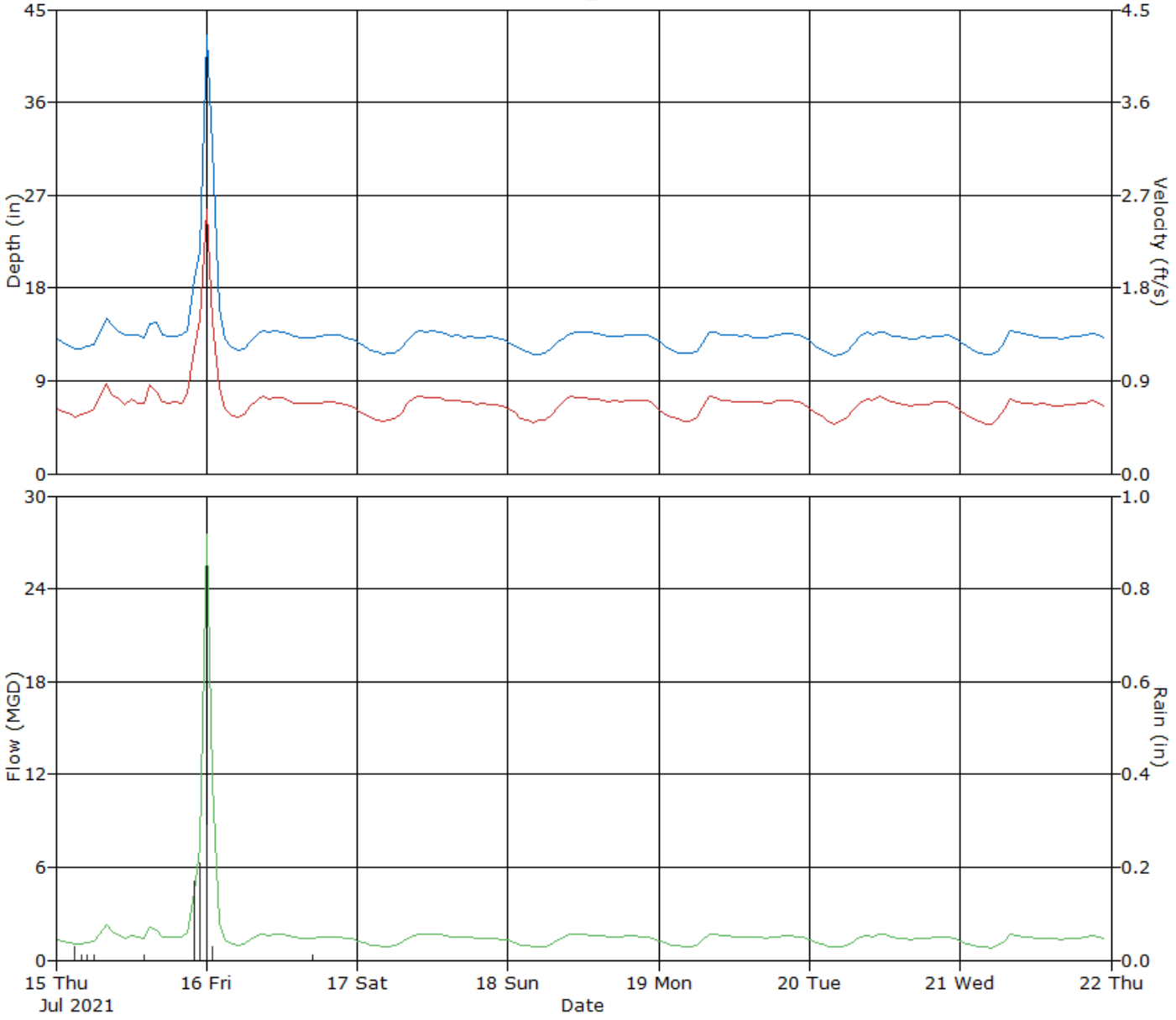


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



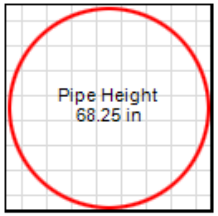
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

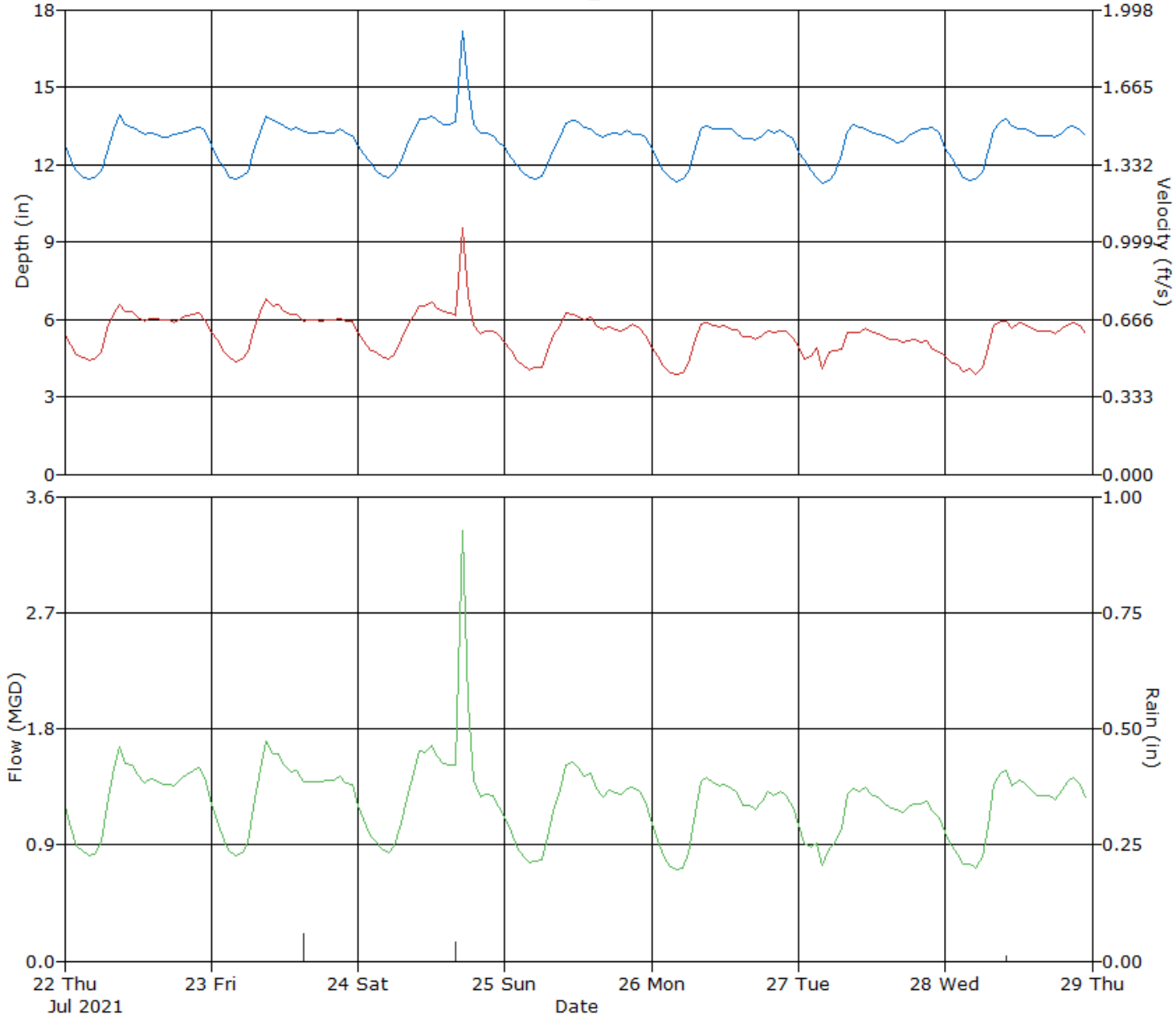


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



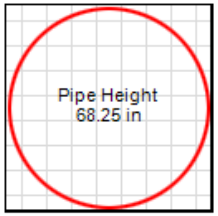
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

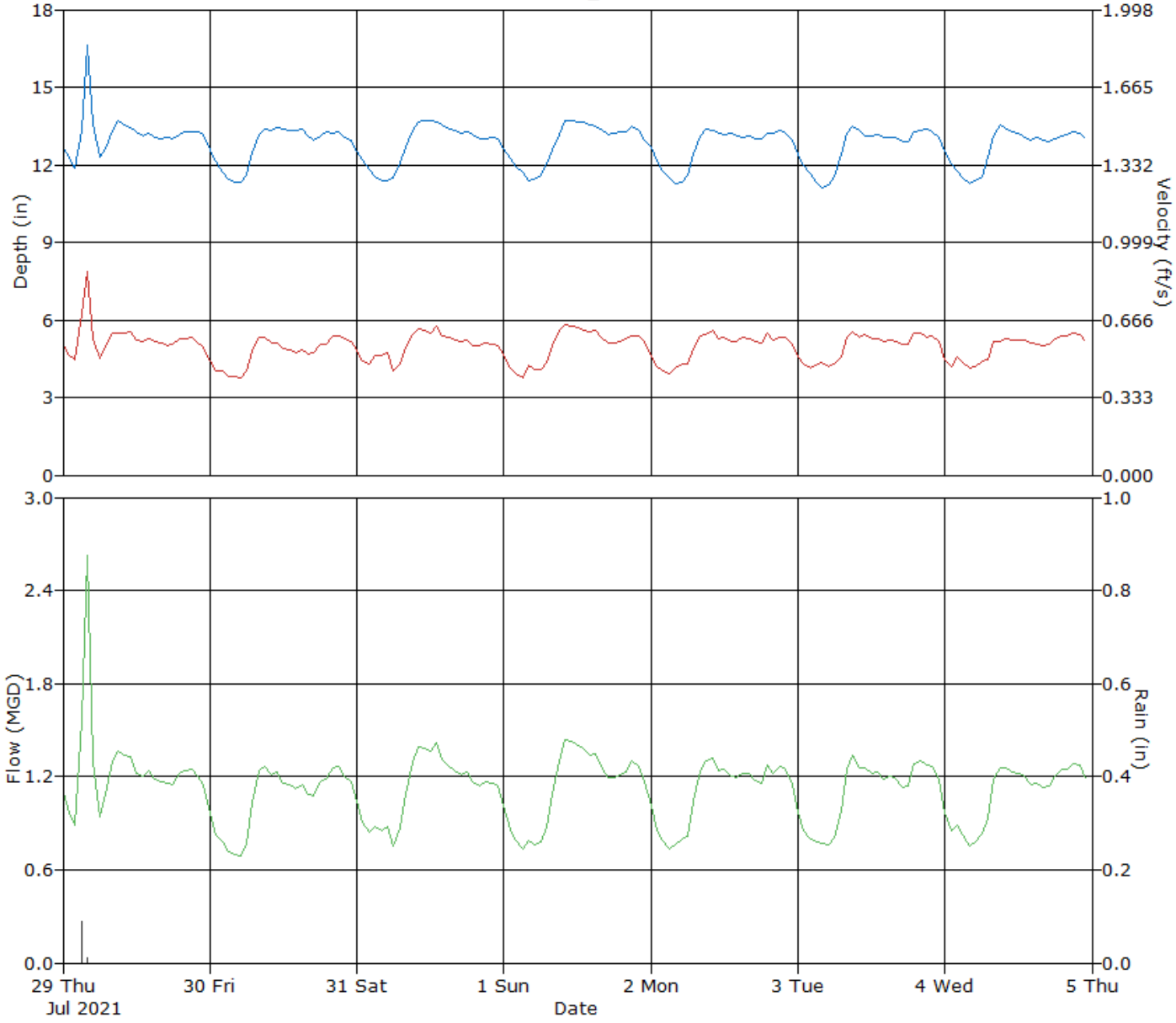


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



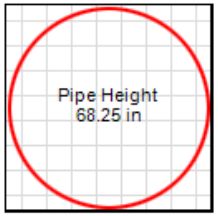
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

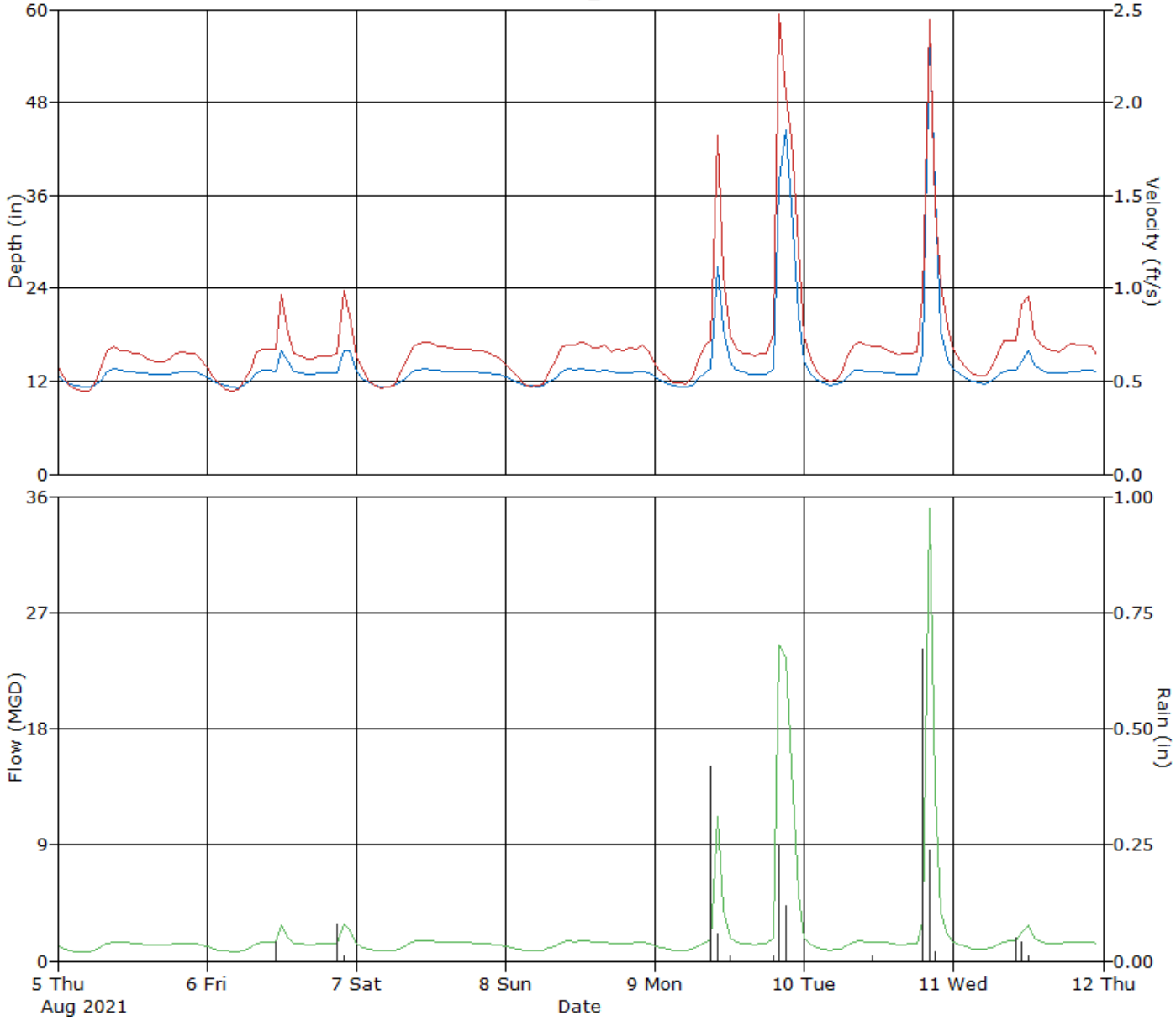


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



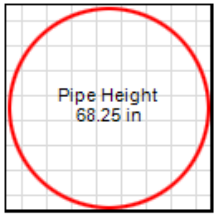
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

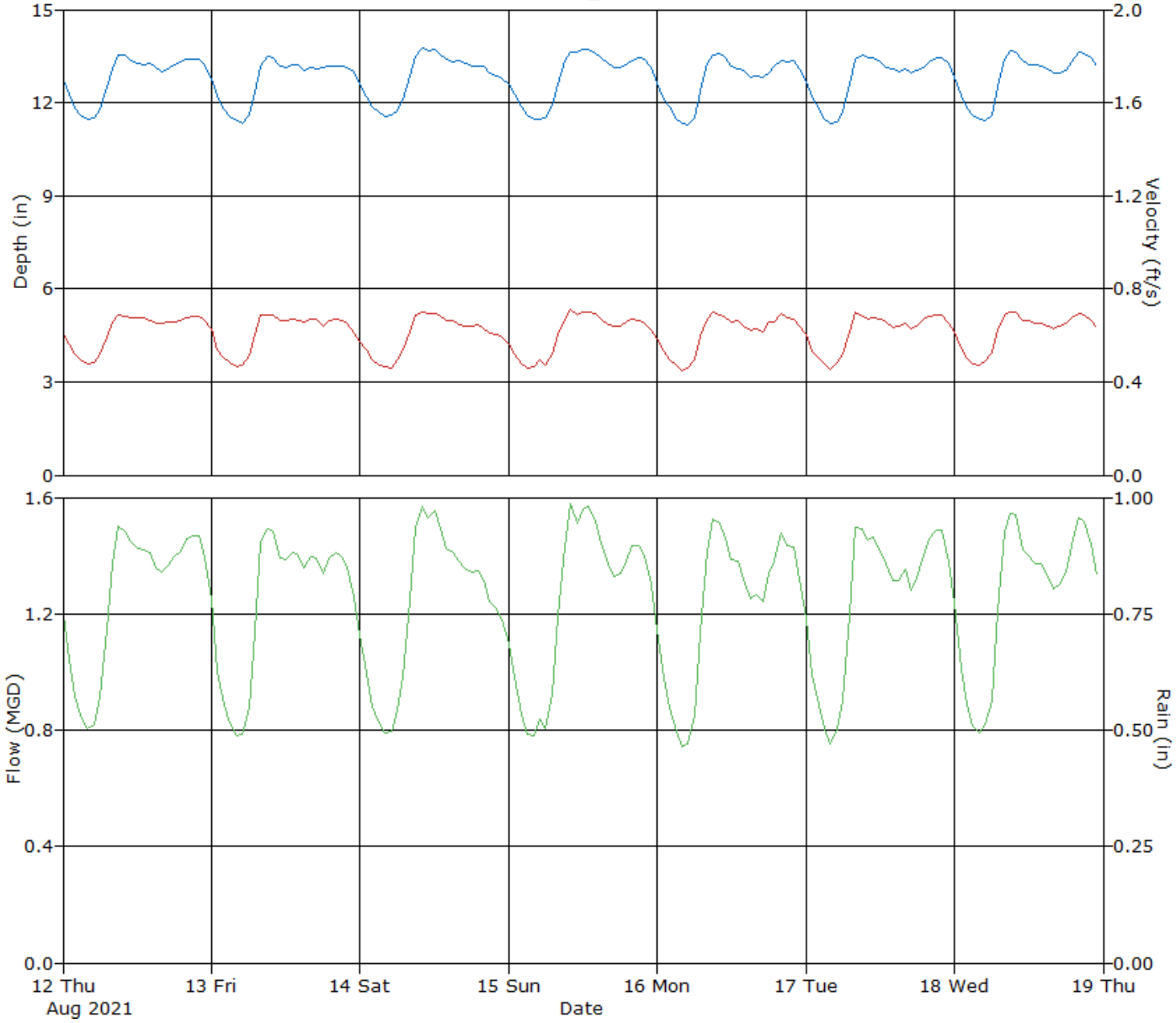


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



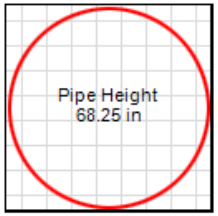
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

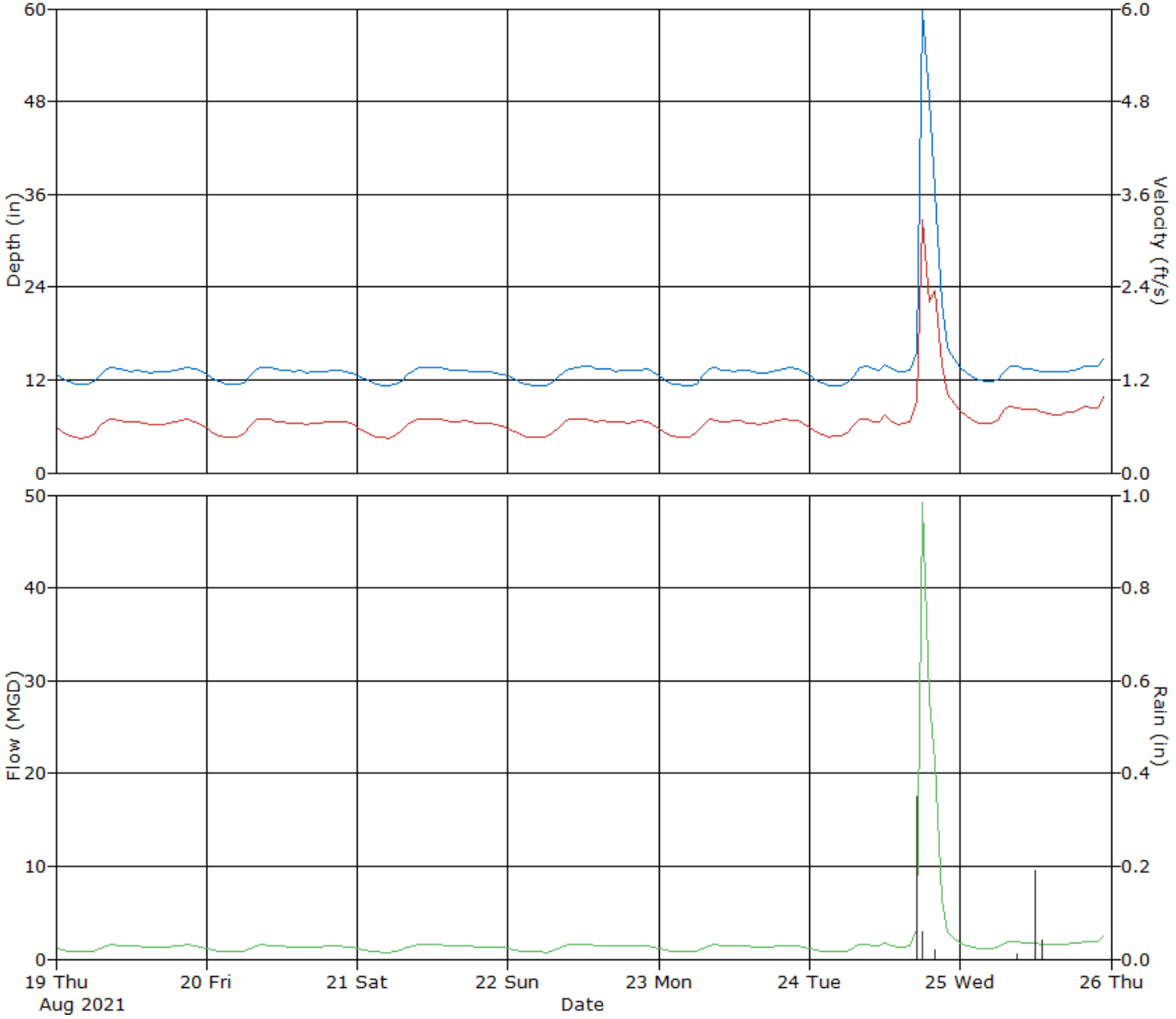


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



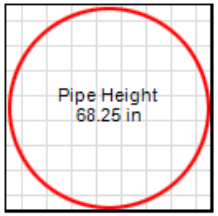
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8104500

Flow Monitor

EVANSTON_B8104500

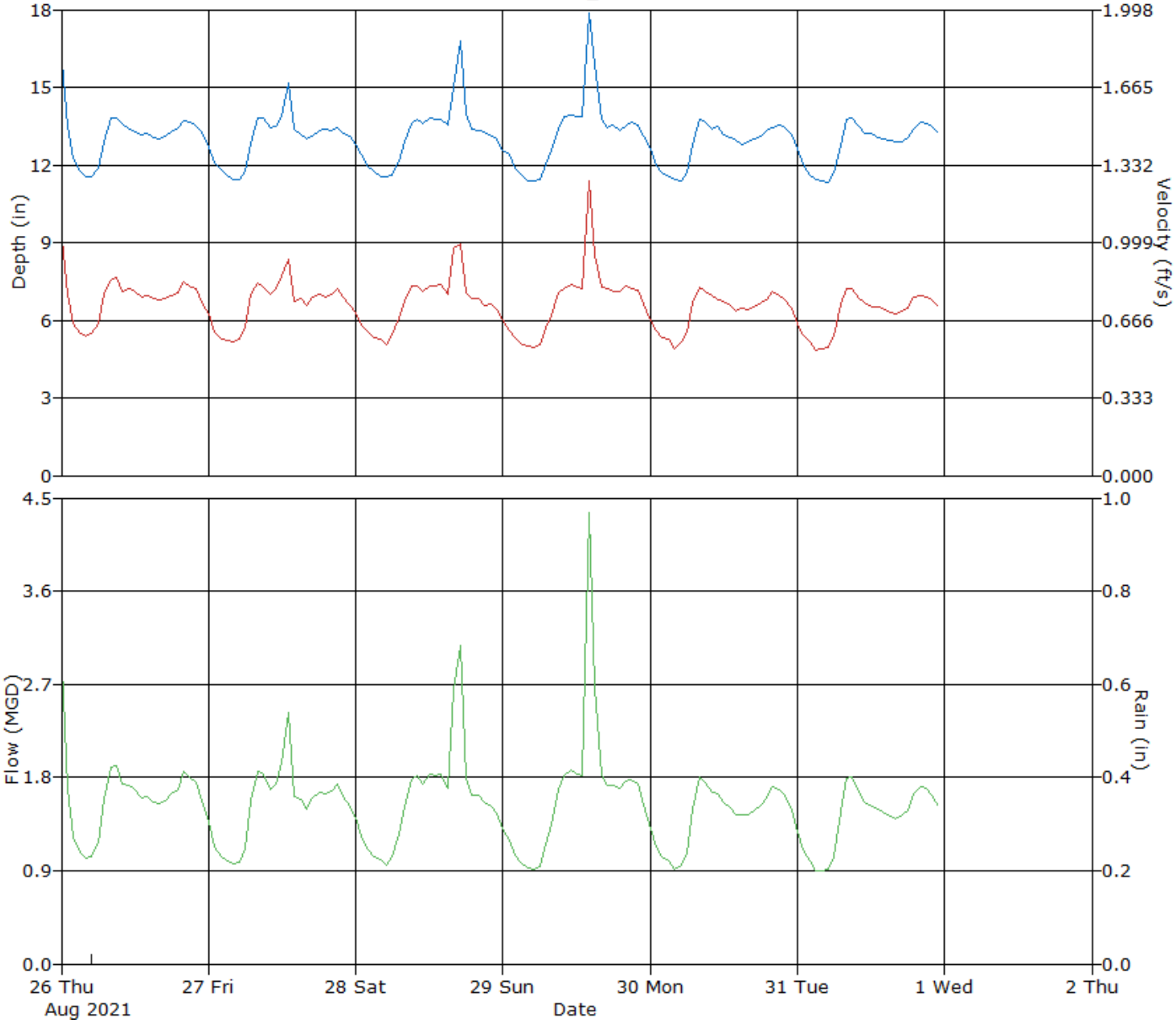


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_B8104500, Pipe Height: 68.25 in, Silt: 2.25 in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021																	
04/17/2021																	
04/18/2021																	
04/19/2021																	
04/20/2021																	
04/21/2021																	
04/22/2021																	
04/23/2021																	
04/24/2021																	
04/25/2021																	
04/26/2021																	
04/27/2021																	
04/28/2021																	0.03
04/29/2021																	0.16
04/30/2021																	0.01
05/01/2021																	
05/02/2021																	
05/03/2021																	0.11
05/04/2021																	
05/05/2021																	
05/06/2021																	0.04
05/07/2021																	
05/08/2021																	
05/09/2021																	0.02
05/10/2021																	
05/11/2021																	
05/12/2021																	
05/13/2021																	
05/14/2021																	
05/15/2021																	
05/16/2021																	0.01

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.07
05/19/2021																	0.06
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.19
05/24/2021																	0.01
05/25/2021																	
05/26/2021																	0.45
05/27/2021																	0.03
05/28/2021																	0.15
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.26
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.65
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.22
06/25/2021																	1.04
06/26/2021																	0.87
06/27/2021																	
06/28/2021																	0.06
06/29/2021																	0.25
06/30/2021																	0.02
07/01/2021																	
07/02/2021																	
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021																	
07/07/2021																	
07/08/2021	05:00	11.67	09:45	14.18	13.08	02:55	0.46	09:30	0.76	0.63	04:40	0.807	09:35	1.766	1.319	176358	
07/09/2021	04:00	11.73	09:45	13.99	13.11	03:45	0.46	09:30	0.75	0.63	03:45	0.806	09:30	1.708	1.324	177023	
07/10/2021	05:15	11.64	21:15	25.35	13.79	05:45	0.46	21:05	1.83	0.70	05:45	0.797	21:10	9.828	1.739	232425	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	06:10	11.76	02:45	15.39	13.34	06:15	0.52	02:35	0.94	0.70	06:15	0.909	02:35	2.492	1.506	201267	0.24
07/12/2021	05:10	11.57	21:20	17.20	13.26	05:05	0.48	21:15	1.12	0.68	05:05	0.821	21:15	3.512	1.481	198017	0.03
07/13/2021	05:05	11.77	10:35	14.30	13.17	04:50	0.50	10:25	0.84	0.67	04:50	0.875	10:25	1.989	1.406	187964	0.07
07/14/2021	05:00	11.41	12:20	14.22	13.02	05:05	0.43	12:10	0.79	0.65	05:05	0.723	12:15	1.837	1.348	180205	
07/15/2021	03:45	11.90	23:55	30.65	13.93	03:30	0.52	23:55	2.22	0.74	03:30	0.941	23:55	15.764	1.858	248432	0.45
07/16/2021	05:45	11.84	00:40	46.11	15.28	05:40	0.53	00:20	2.93	0.79	05:40	0.948	00:25	32.792	2.969	396902	0.33
07/17/2021	04:25	11.52	11:50	13.90	12.94	04:35	0.48	11:45	0.77	0.65	04:35	0.814	10:10	1.737	1.337	178748	
07/18/2021	04:45	11.51	13:15	13.83	12.95	04:05	0.47	11:20	0.77	0.66	04:25	0.811	13:15	1.726	1.355	181100	
07/19/2021	05:45	11.51	08:40	13.99	12.98	05:25	0.48	08:35	0.80	0.66	05:10	0.837	08:35	1.809	1.355	181114	
07/20/2021	04:55	11.36	11:40	13.83	12.92	04:50	0.45	11:30	0.77	0.64	04:55	0.740	11:30	1.711	1.321	176582	
07/21/2021	05:00	11.39	08:35	14.23	12.93	05:30	0.46	08:25	0.79	0.63	05:10	0.783	08:25	1.843	1.301	173882	
07/22/2021	05:05	11.34	09:30	14.10	12.85	04:00	0.46	09:25	0.77	0.63	04:00	0.782	09:25	1.770	1.289	172273	
07/23/2021	04:45	11.33	09:35	13.96	12.88	03:25	0.47	09:25	0.78	0.64	03:25	0.779	09:25	1.781	1.302	174075	0.06
07/24/2021	05:15	11.41	17:35	18.28	13.16	05:55	0.47	17:30	1.19	0.65	04:35	0.802	17:30	3.971	1.391	185979	0.04
07/25/2021	05:00	11.36	10:55	13.81	12.79	06:00	0.42	11:30	0.73	0.59	06:00	0.706	11:30	1.617	1.199	160253	
07/26/2021	04:45	11.25	09:05	13.60	12.77	05:15	0.40	09:00	0.69	0.57	05:15	0.669	09:00	1.513	1.153	154138	
07/27/2021	04:25	11.15	09:50	13.67	12.76	04:25	0.44	05:40	0.66	0.56	04:25	0.717	11:40	1.406	1.126	150575	
07/28/2021	04:30	11.31	10:05	13.95	12.85	03:05	0.38	09:30	0.70	0.58	04:05	0.644	10:05	1.603	1.184	158257	0.01
07/29/2021	03:05	11.56	04:05	17.71	13.21	02:30	0.47	04:00	1.05	0.59	02:30	0.827	04:00	3.424	1.257	167990	0.10
07/30/2021	05:10	11.26	11:40	13.50	12.76	04:15	0.37	20:55	0.64	0.53	04:15	0.608	20:55	1.342	1.057	141356	
07/31/2021	05:20	11.21	10:55	13.80	12.79	06:30	0.42	12:20	0.67	0.56	06:30	0.711	12:20	1.499	1.125	150330	
08/01/2021	05:10	11.30	11:00	13.80	12.85	03:50	0.40	10:25	0.67	0.55	03:50	0.681	10:25	1.491	1.131	151171	
08/02/2021	04:40	11.20	21:05	13.48	12.72	03:25	0.40	13:35	0.65	0.55	03:25	0.676	10:40	1.378	1.102	147360	
08/03/2021	04:25	11.06	09:25	13.58	12.68	02:05	0.42	11:45	0.65	0.55	04:35	0.696	09:45	1.384	1.101	147136	
08/04/2021	05:15	11.18	09:15	13.64	12.68	05:15	0.45	21:35	0.63	0.55	05:15	0.725	09:10	1.356	1.091	145841	
08/05/2021	04:50	11.22	09:35	13.59	12.66	05:30	0.43	09:10	0.72	0.60	05:30	0.700	09:10	1.562	1.186	158501	
08/06/2021	05:30	10.93	22:50	18.03	13.06	04:55	0.42	22:45	1.18	0.64	04:55	0.681	22:45	3.932	1.375	183877	0.13
08/07/2021	05:40	11.25	00:00	13.84	12.73	04:15	0.41	12:40	0.73	0.62	04:15	0.679	11:40	1.592	1.244	166315	
08/08/2021	05:45	11.18	12:35	13.68	12.74	04:00	0.44	12:10	0.73	0.62	04:00	0.727	12:10	1.614	1.258	168225	
08/09/2021	05:00	11.25	21:10	50.32	17.07	03:00	0.46	20:35	3.12	0.90	04:05	0.769	20:35	37.347	4.401	588363	0.87
08/10/2021	04:40	11.39	20:25	65.39	16.06	03:40	0.48	20:10	3.32	0.78	04:45	0.816	20:15	49.203	3.379	451655	0.94
08/11/2021	05:35	11.55	12:05	16.61	13.16	05:05	0.51	12:00	1.08	0.68	05:35	0.877	12:00	3.167	1.439	192337	0.10
08/12/2021	05:00	11.34	10:00	13.63	12.84	04:50	0.46	10:15	0.73	0.62	05:05	0.772	10:15	1.584	1.267	169342	
08/13/2021	05:30	11.26	10:00	13.63	12.75	04:40	0.44	09:55	0.72	0.62	04:40	0.732	09:55	1.580	1.243	166191	
08/14/2021	06:00	11.45	12:30	13.83	12.83	04:05	0.44	12:20	0.73	0.60	04:05	0.753	12:25	1.619	1.224	163576	
08/15/2021	04:25	11.42	13:35	13.80	12.85	03:10	0.44	10:20	0.75	0.61	04:30	0.744	10:20	1.658	1.244	166295	
08/16/2021	05:15	11.24	10:40	13.64	12.73	04:15	0.43	09:45	0.73	0.61	04:45	0.704	09:45	1.597	1.226	163833	
08/17/2021	04:30	11.24	08:55	13.59	12.80	05:00	0.40	08:45	0.72	0.62	05:00	0.660	08:45	1.578	1.251	167185	
08/18/2021	06:00	11.37	20:40	13.71	12.85	04:10	0.42	21:05	0.74	0.62	04:10	0.716	21:05	1.650	1.263	168782	
08/19/2021	04:55	11.35	09:05	13.71	12.83	04:10	0.43	21:35	0.72	0.60	04:10	0.722	09:50	1.597	1.230	164388	
08/20/2021	05:15	11.30	08:55	13.72	12.76	05:15	0.42	09:20	0.72	0.61	05:15	0.695	08:50	1.594	1.224	163571	
08/21/2021	05:00	11.13	13:10	13.71	12.71	05:50	0.40	09:55	0.73	0.60	05:50	0.656	11:45	1.615	1.212	162037	
08/22/2021	06:50	11.16	12:35	13.78	12.75	03:35	0.43	12:05	0.75	0.60	05:35	0.699	12:05	1.670	1.223	163433	
08/23/2021	04:45	11.15	09:20	13.70	12.73	04:30	0.44	13:55	0.73	0.61	04:40	0.708	13:55	1.600	1.232	164678	
08/24/2021	04:10	11.14	18:45	69.52	17.85	03:35	0.43	18:20	3.88	0.93	03:35	0.708	18:20	61.894	5.569	744483	0.43
08/25/2021	05:45	11.65	23:55	17.01	13.13	03:50	0.61	23:55	1.20	0.78	03:50	1.085	23:55	3.697	1.645	219932	0.24
08/26/2021	04:50	11.42	00:00	16.99	13.15	04:35	0.58	00:00	1.18	0.76	05:30	0.981	00:00	3.628	1.618	216327	0.02
08/27/2021	04:55	11.24	13:20	15.67	12.99	02:55	0.50	13:10	1.03	0.74	02:55	0.864	13:15	2.789	1.531	204709	
08/28/2021	06:10	11.34	17:00	19.00	13.18	04:35	0.49	16:50	1.43	0.74	04:35	0.825	16:50	4.994	1.598	213585	
08/29/2021	04:20	11.31	14:40	20.49	13.24	05:50	0.52	14:30	1.60	0.75	05:50	0.858	14:30	6.290	1.650	220624	
08/30/2021	05:05	11.24	08:45	13.89	12.80	04:30	0.50	08:50	0.85	0.71	04:30	0.841	08:50	1.935	1.428	190932	
08/31/2021	04:45	11.24	08:55	13.98	12.81	05:15	0.49	09:10	0.85	0.69	05:15	0.811	09:10	1.949	1.408	188108	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			11188040	11.39
Avg	13.21	0.65	1.522	

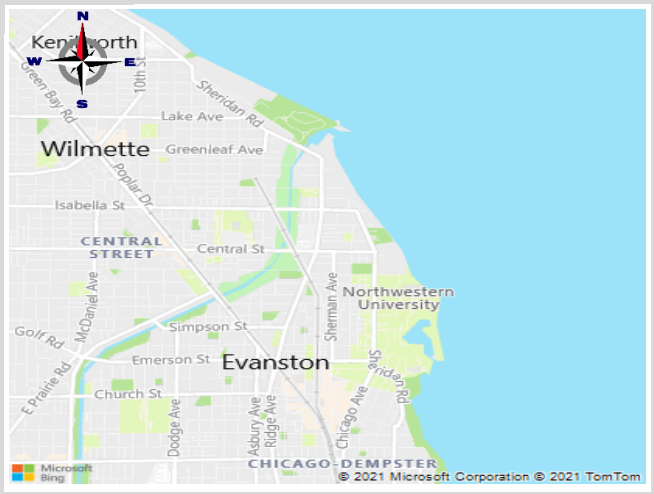
Evanston, IL

Flow Monitoring Site Report

SITE NAME

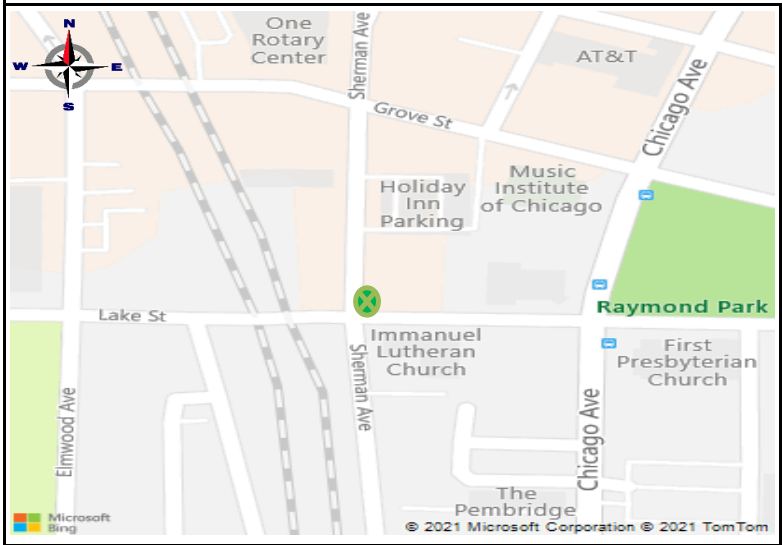
B8201400

Site Address /Location:	Intersection of Lake St. and Sherman Ave. (parking space by Holiday Inn)			Monitor Series	Location Type
				TRITON+	Temporary
Site Access Details:	in road; SE corner of intersection	Latitude:	42.04429	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.68187	86 x 86	Circular



Manhole #	System Characteristics
B82_01400	Commercial
Access	Traffic
Drive	Medium







Installation Information	
Installation Date:	Installation Type:
Wednesday, July 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi
Installation Confirmation:	
Confirmation Time:	Pipe Size (HxW)
4:30:00 PM	86 x 86
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
9.50	74.25
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.29	0.5
Silt (in)	Silt Type
0.5	Soft / Loose
Hydraulic Comments:	
Fair	
Manhole / Pipe Information:	
Manhole Depth (Approx. FT):	Manhole Configuration
16.7	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
Yes, Inside	Good
Pipe Material	Pipe Condition:
Liner	Good
Communication Information:	
Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete
Additional Site Info. / Comments:	

ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Additional Photos

Upstream N	Downstream	Upstream E
		

SCATTERGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

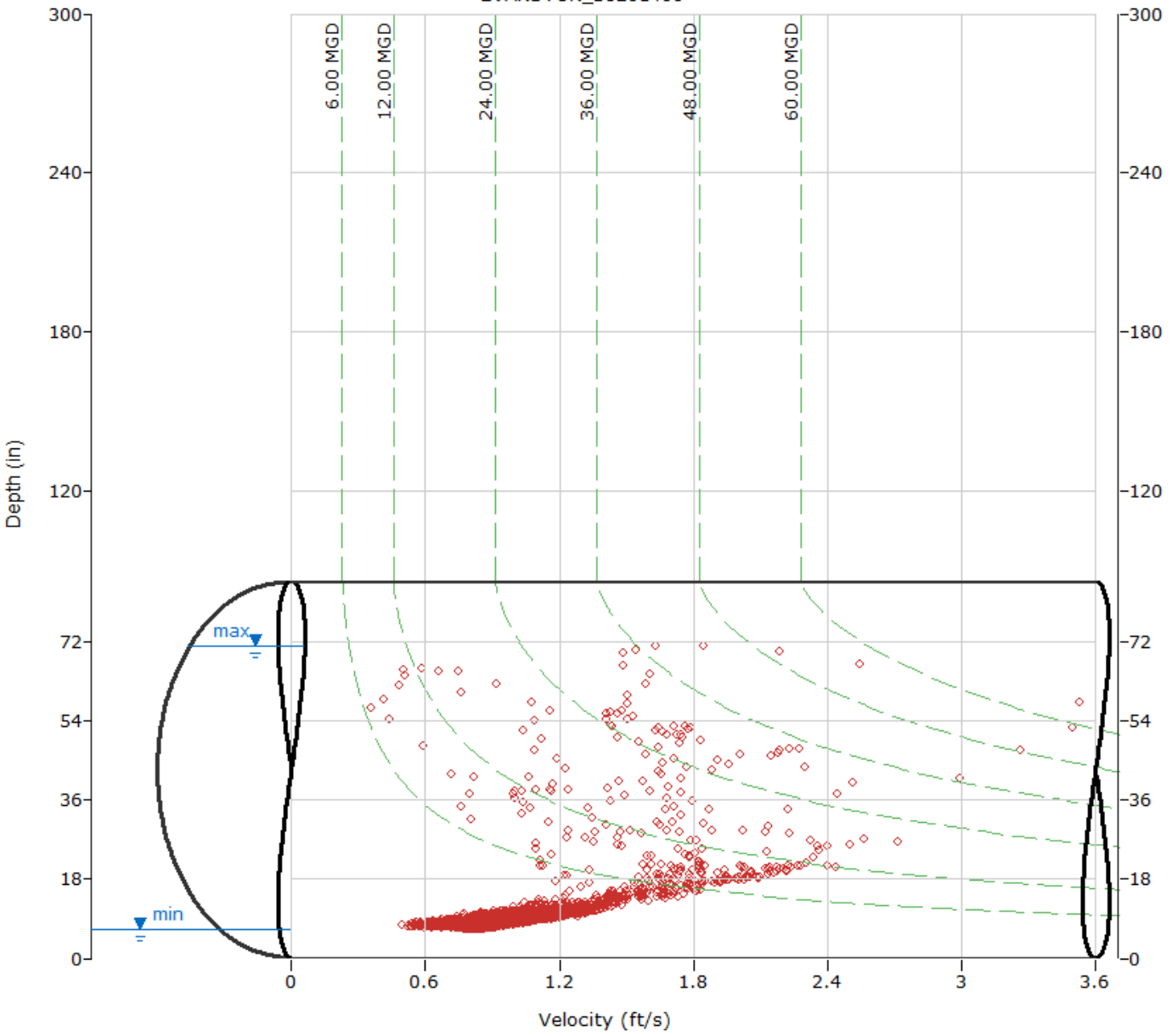
Pipe Height
86.00 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



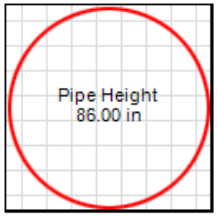
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

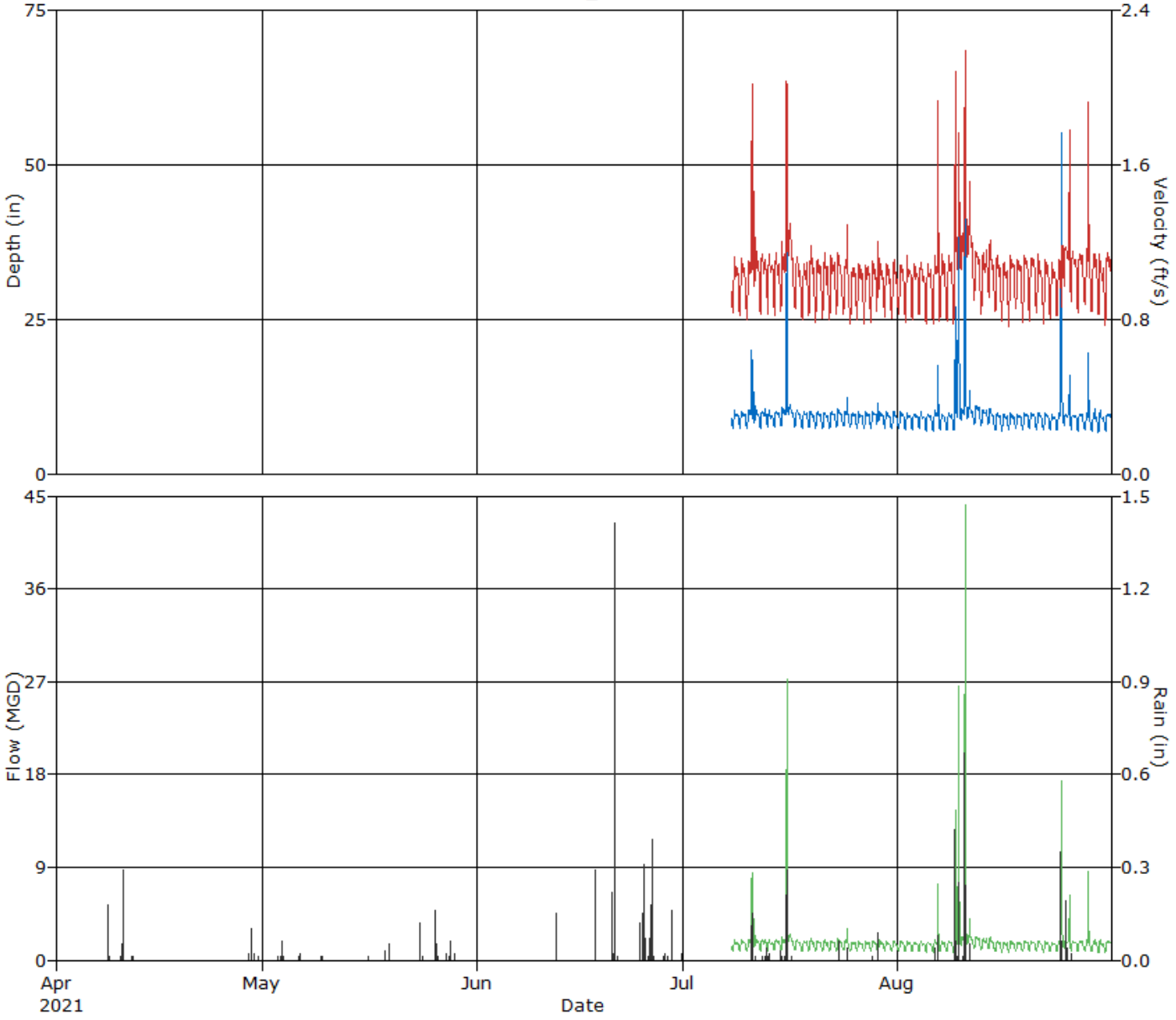


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



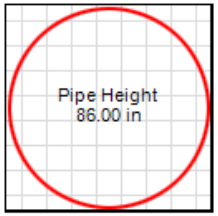
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

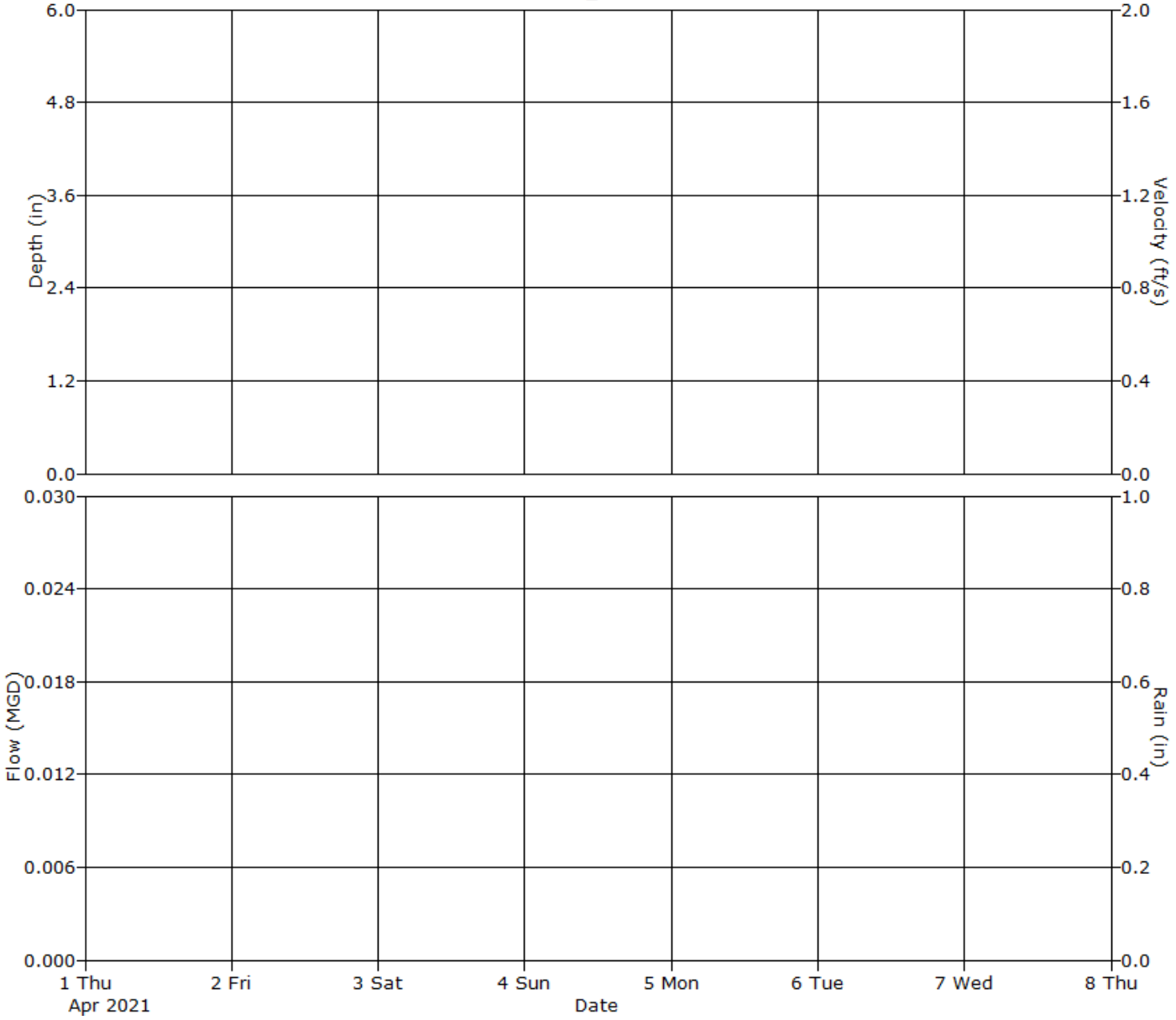


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



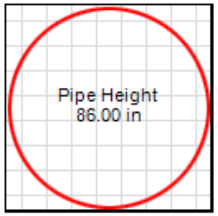
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

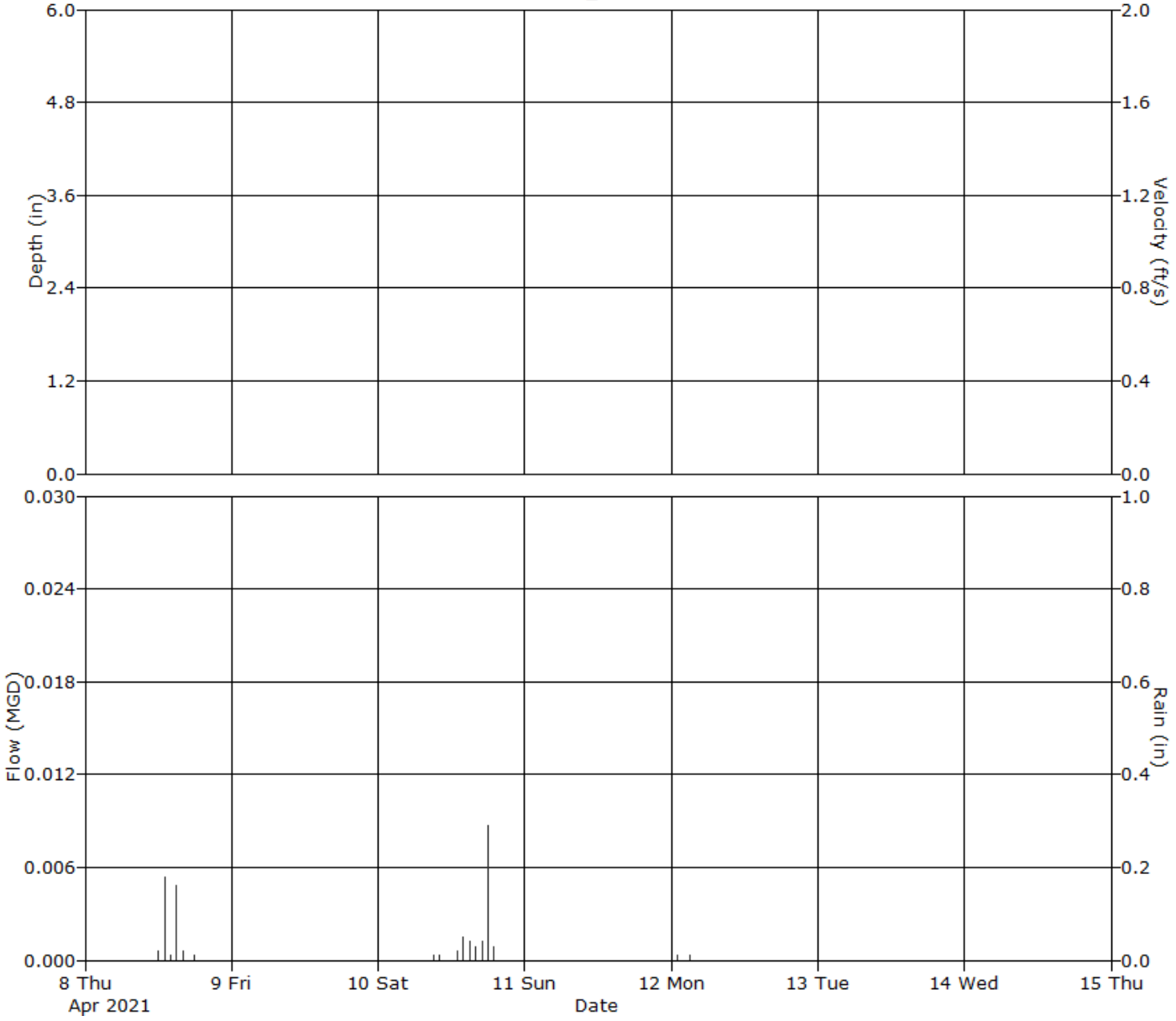


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



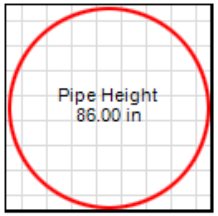
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

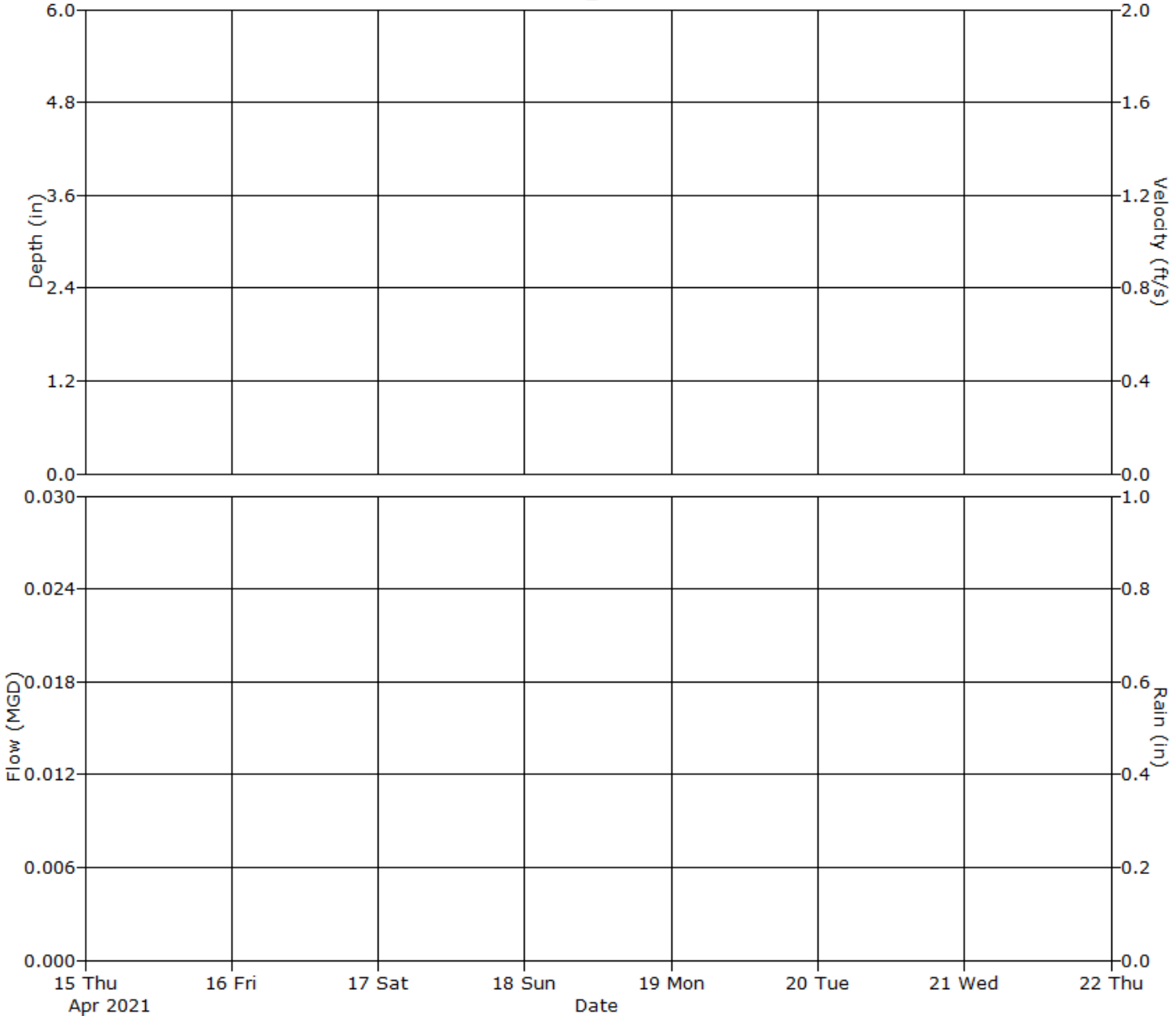


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



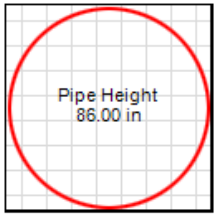
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

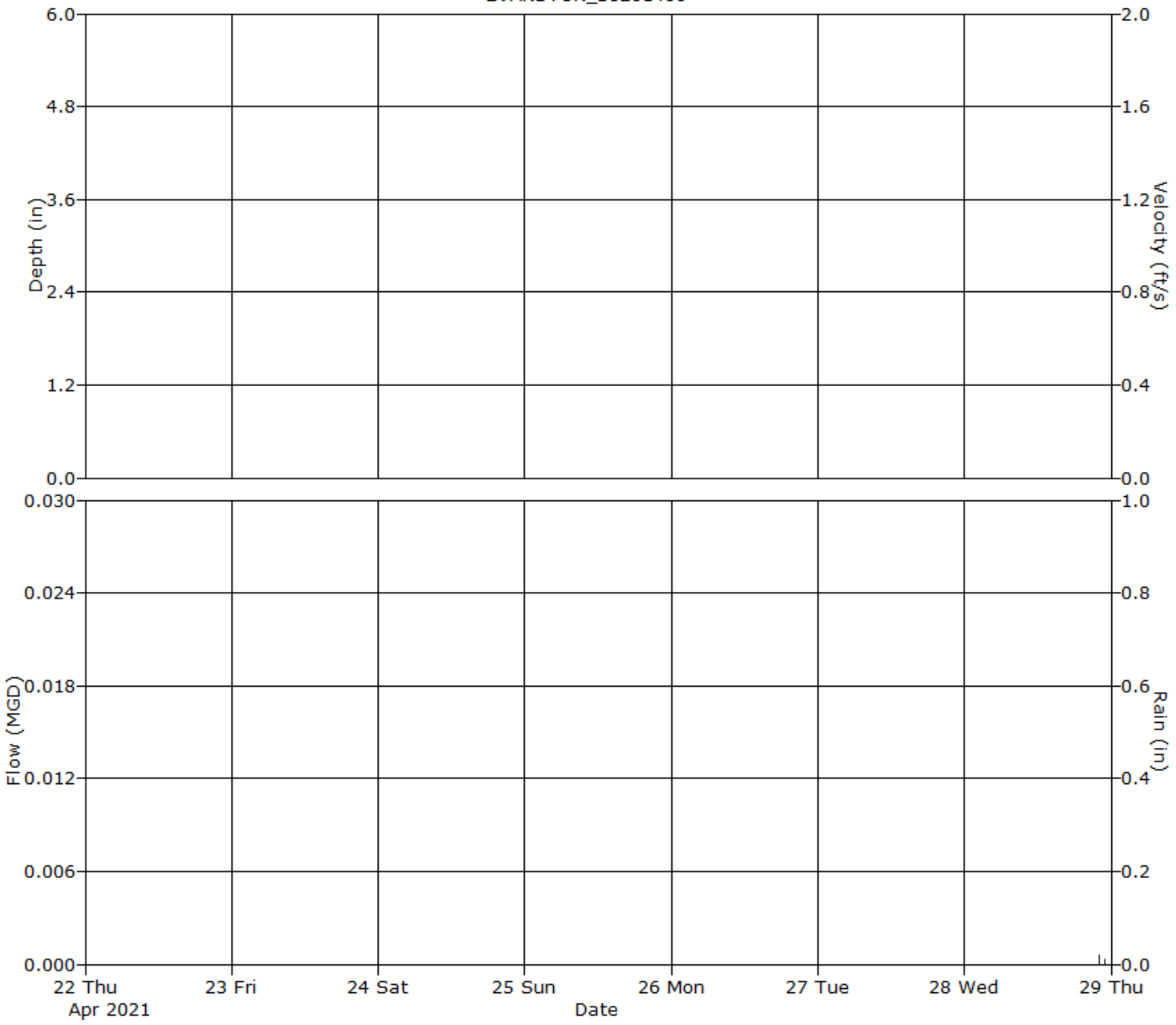


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



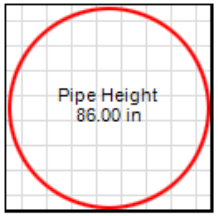
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

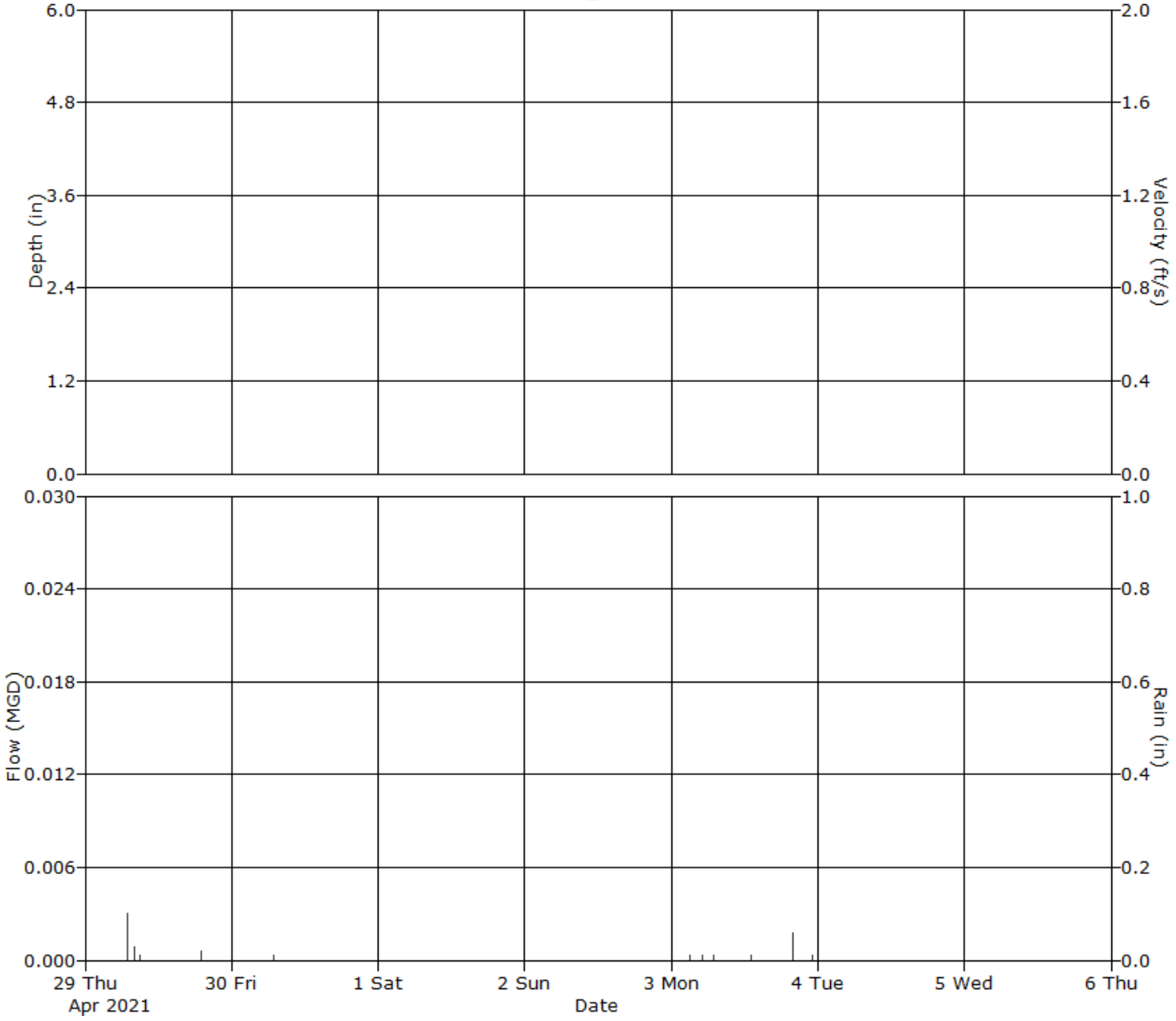


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



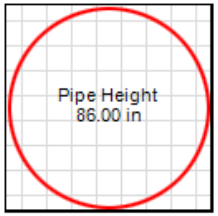
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

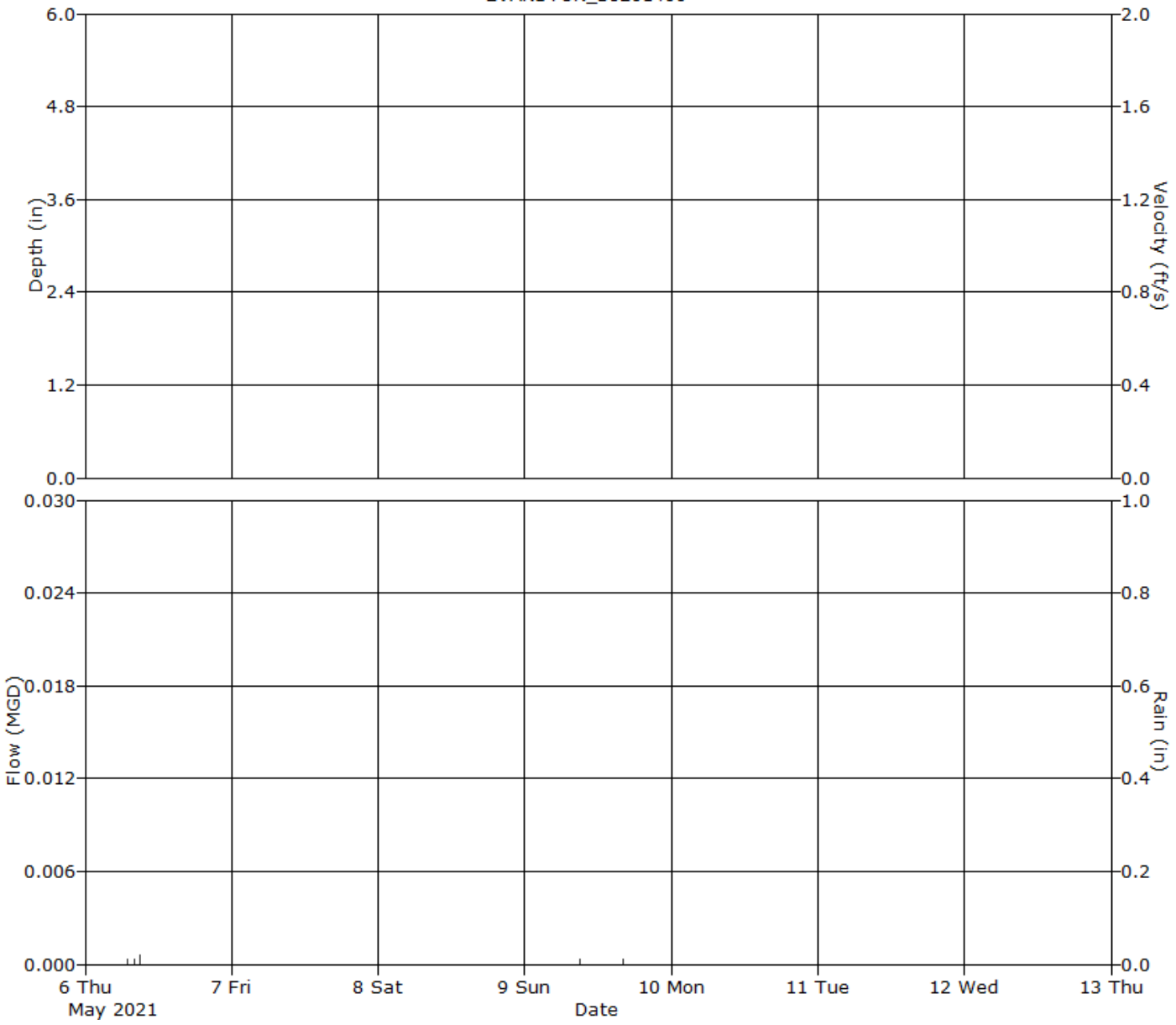


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



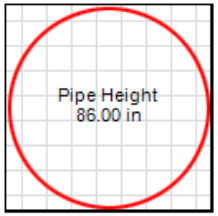
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

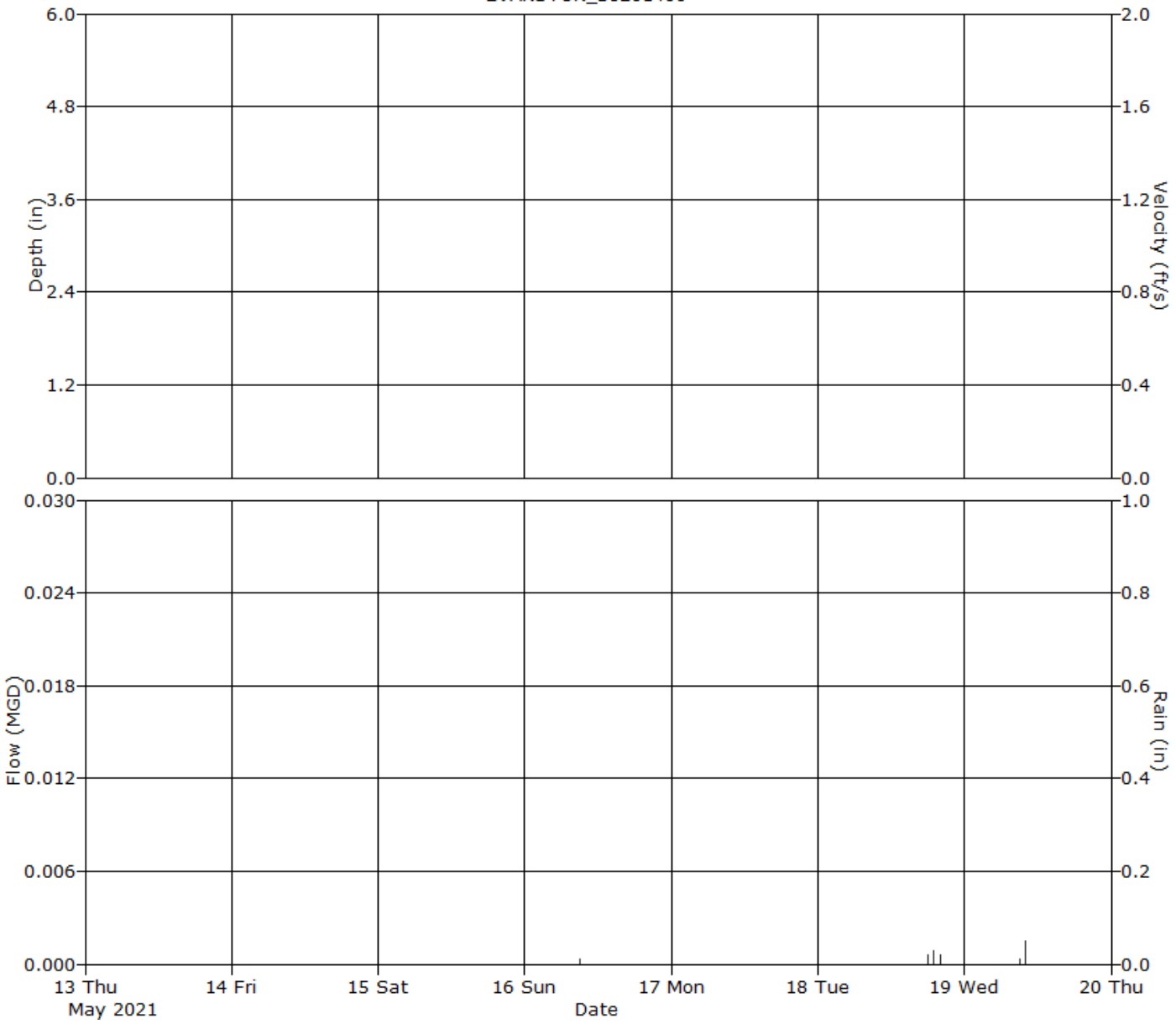


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



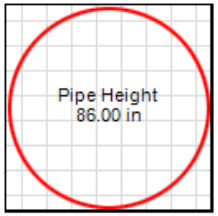
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

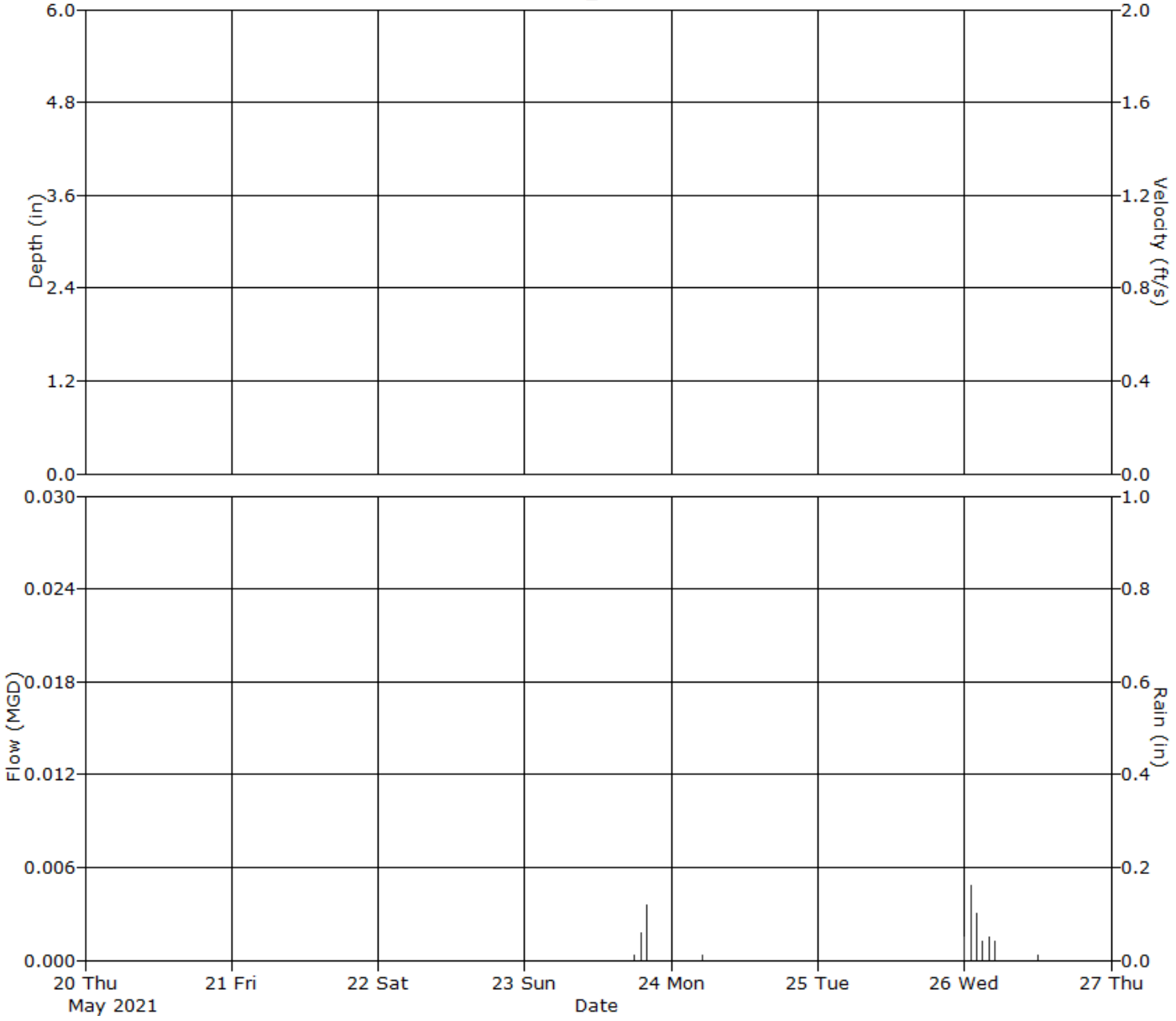


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



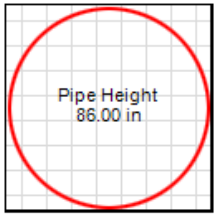
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

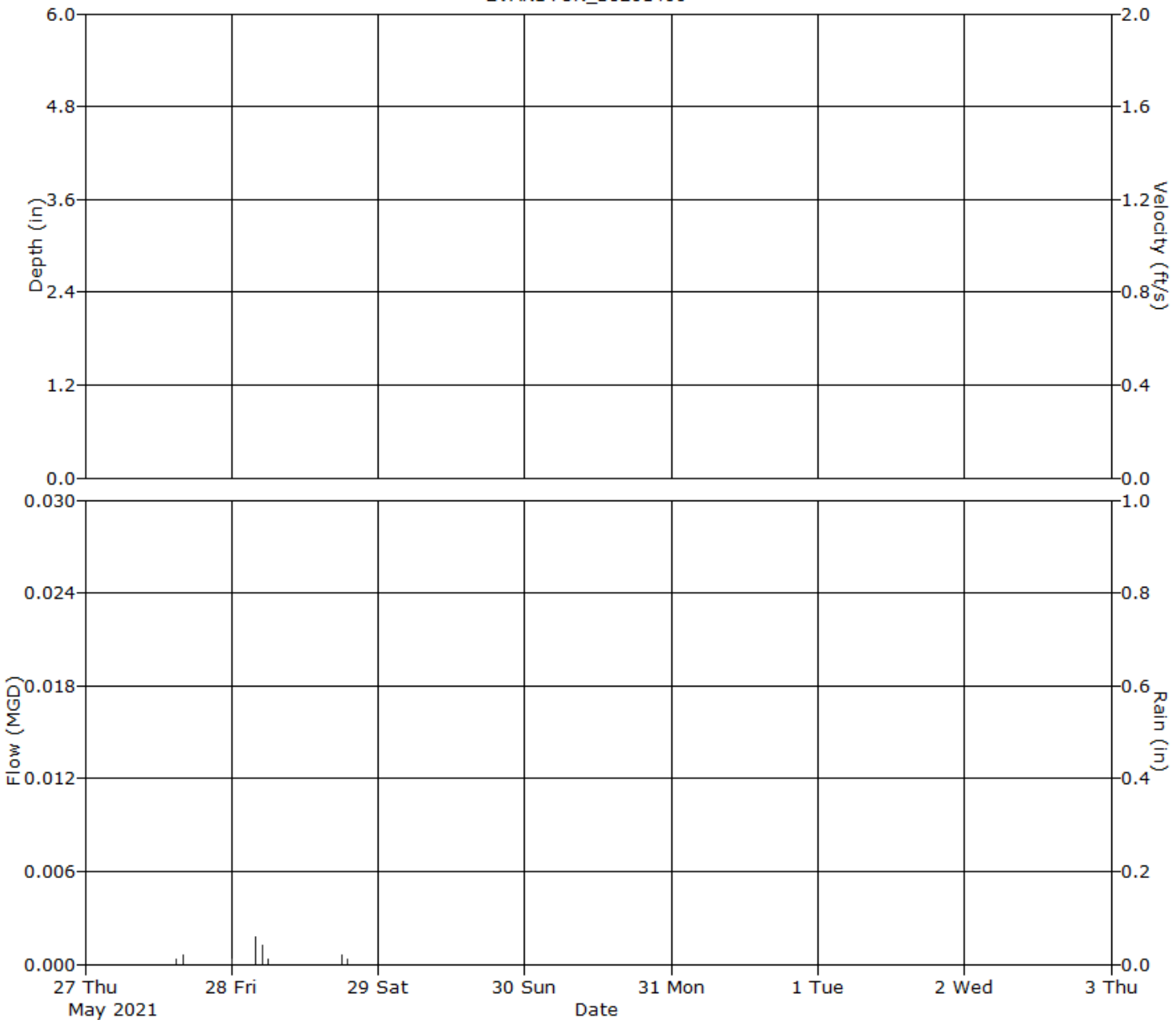


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



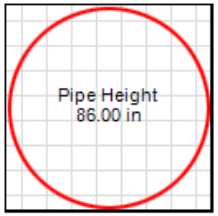
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

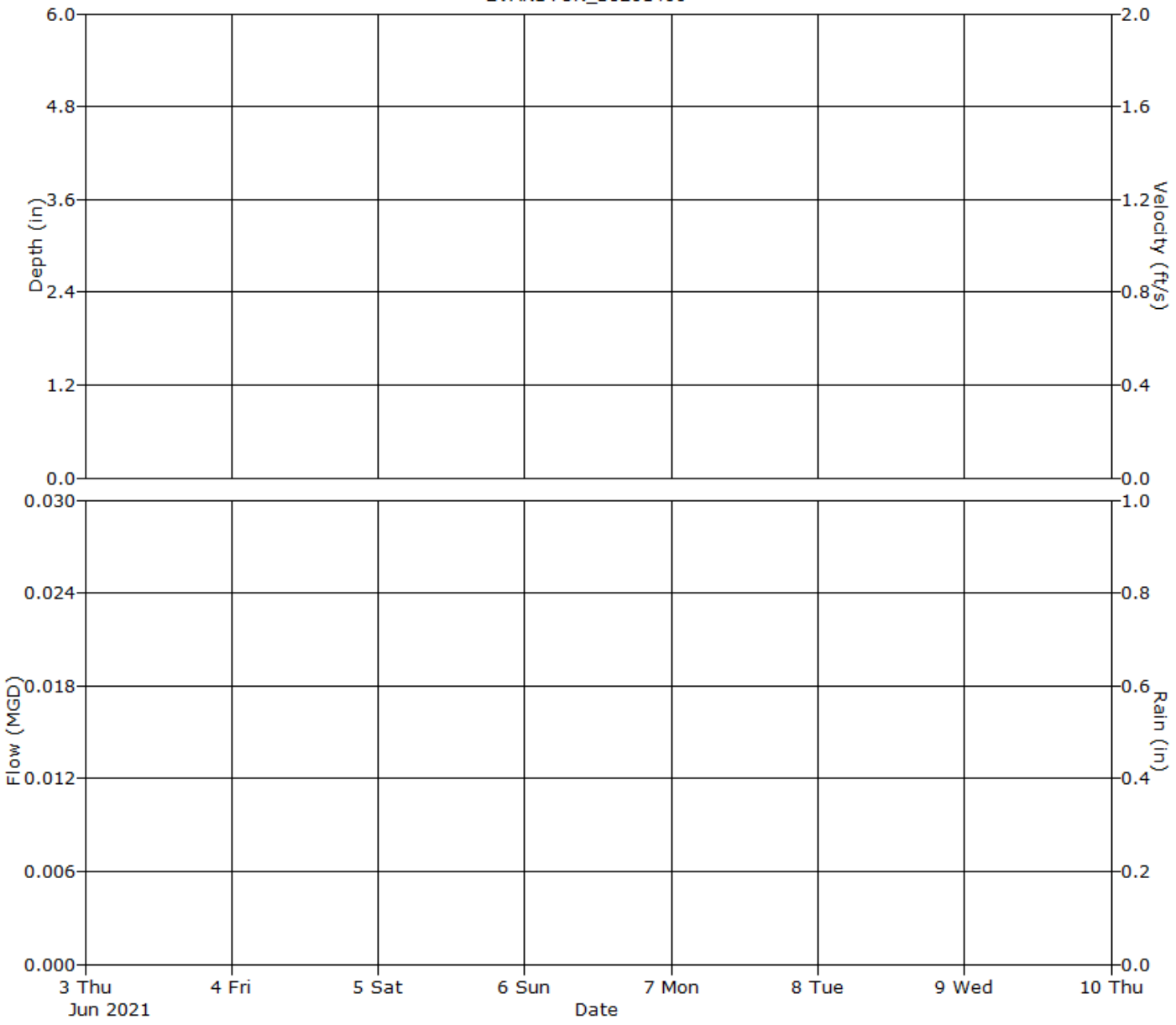


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



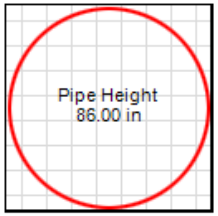
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

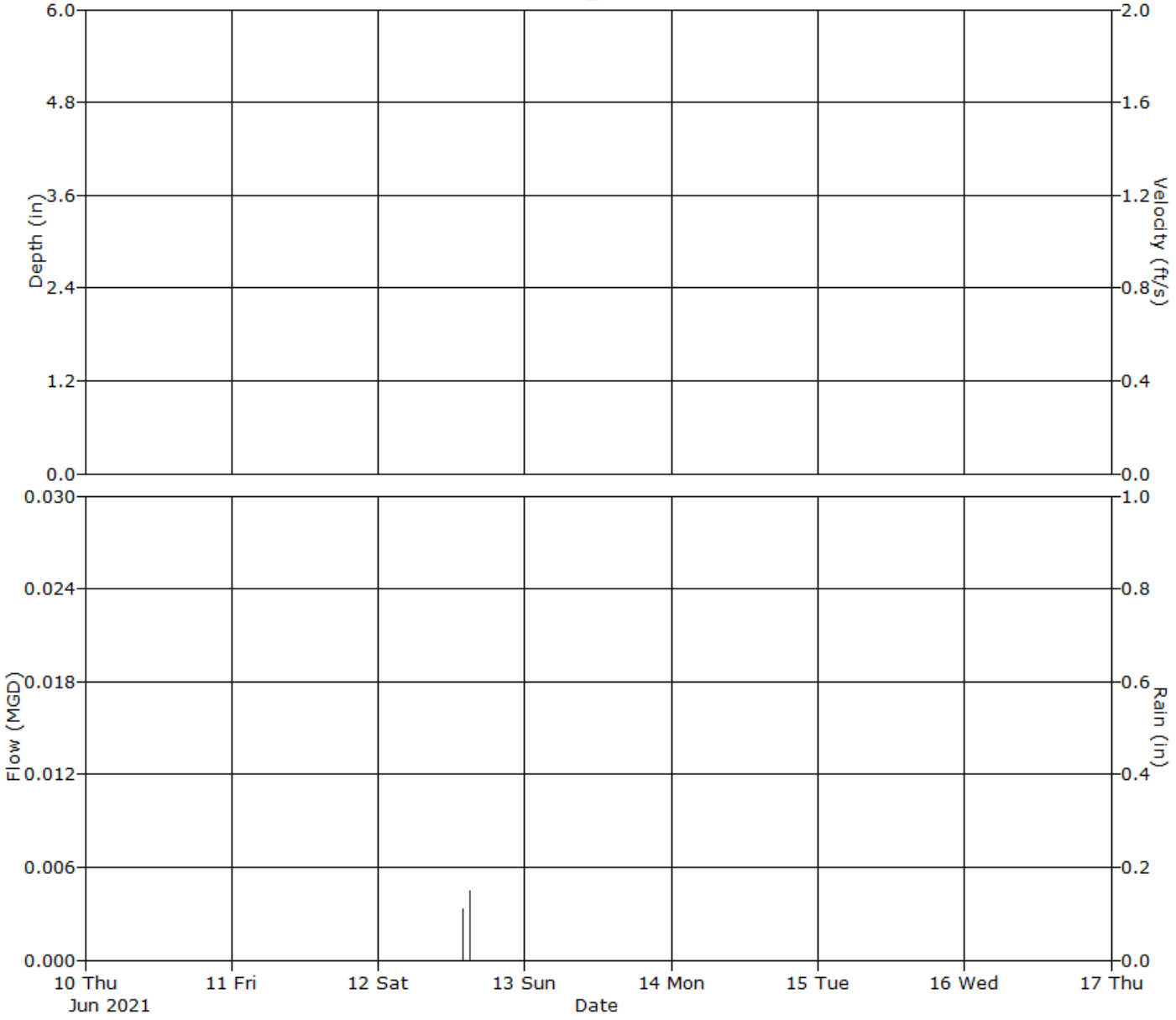


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



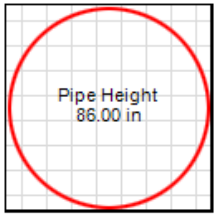
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

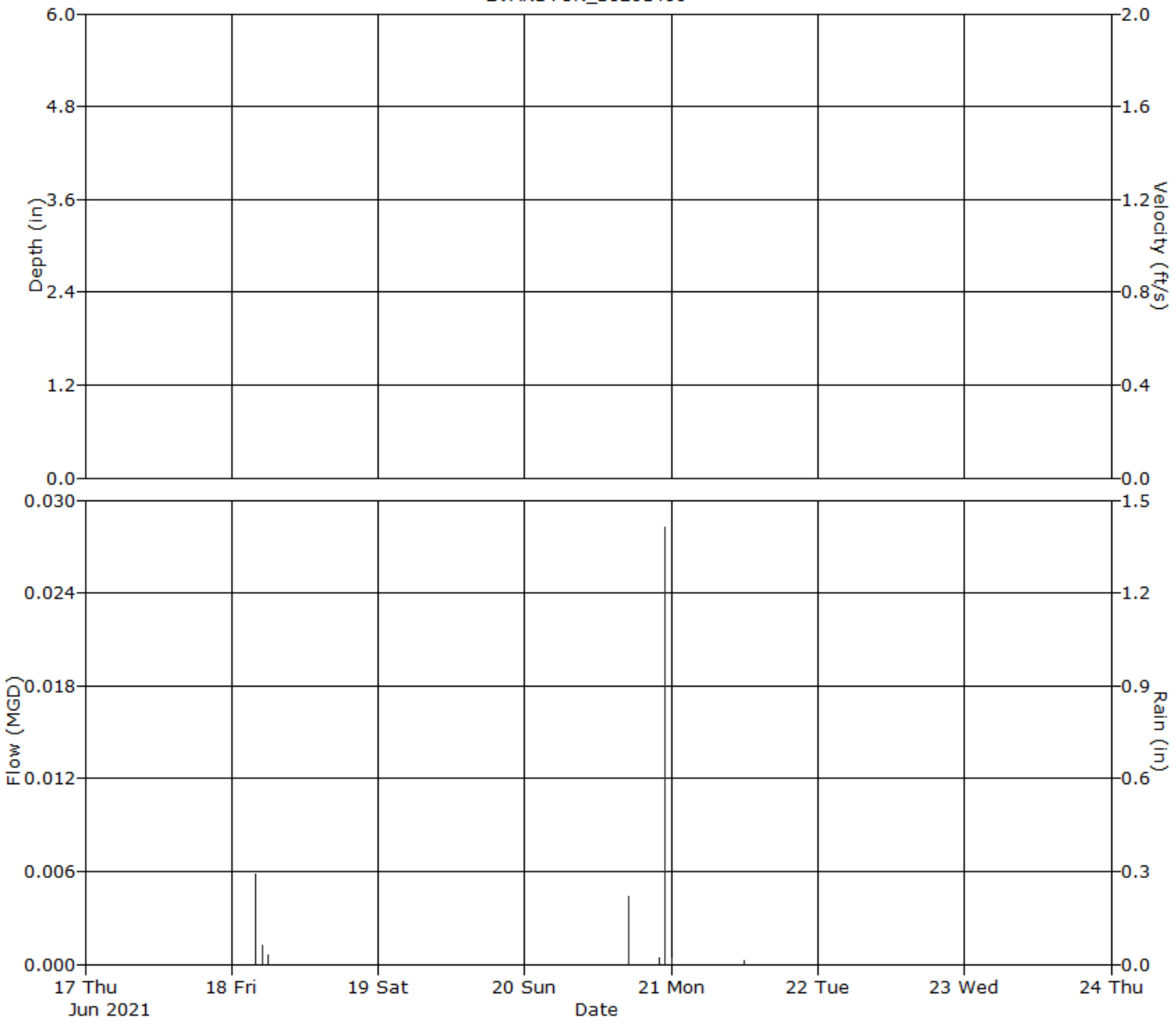


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



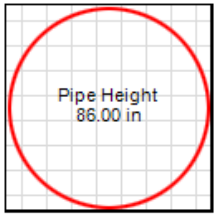
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

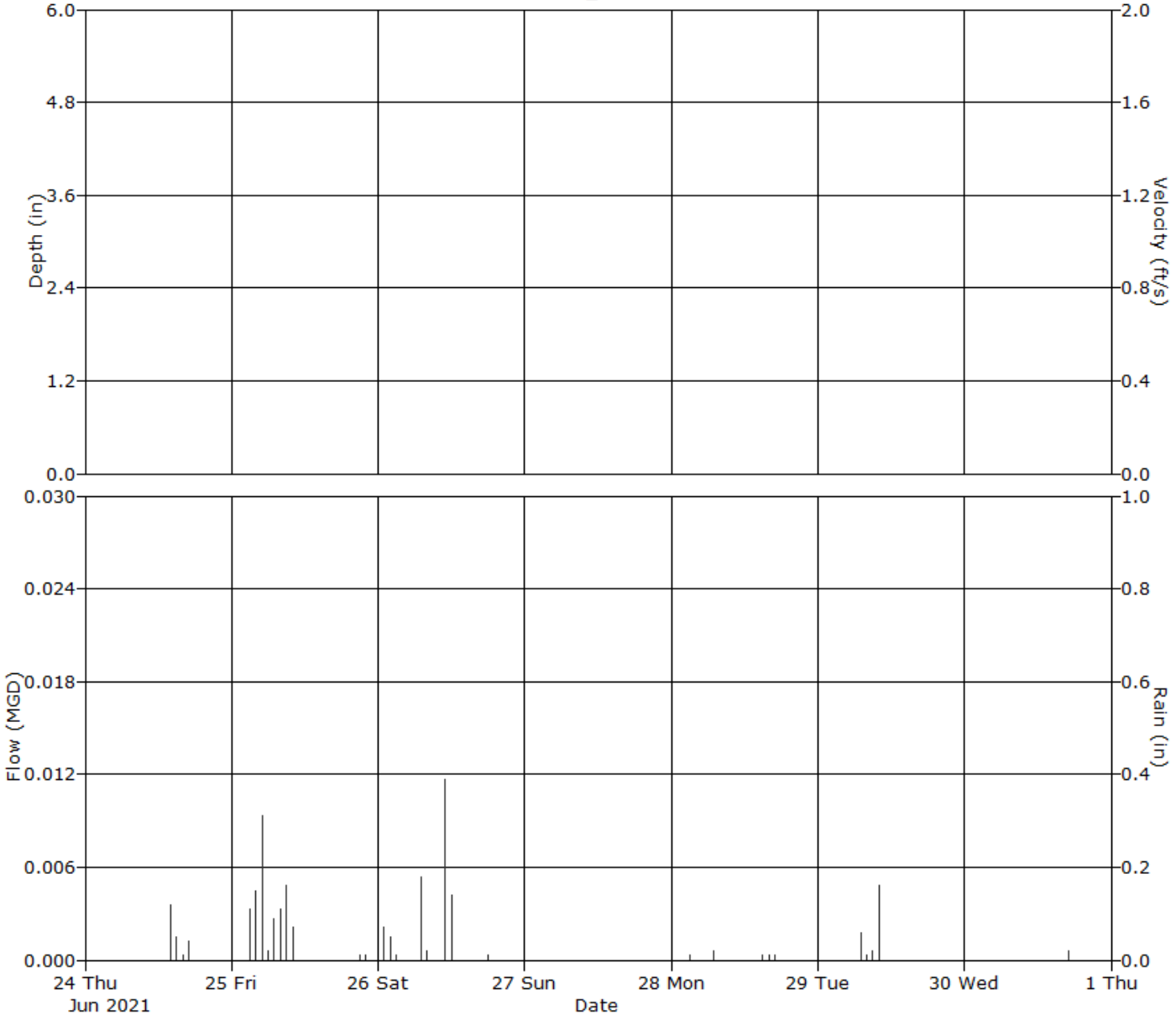


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



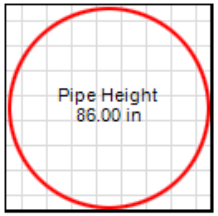
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

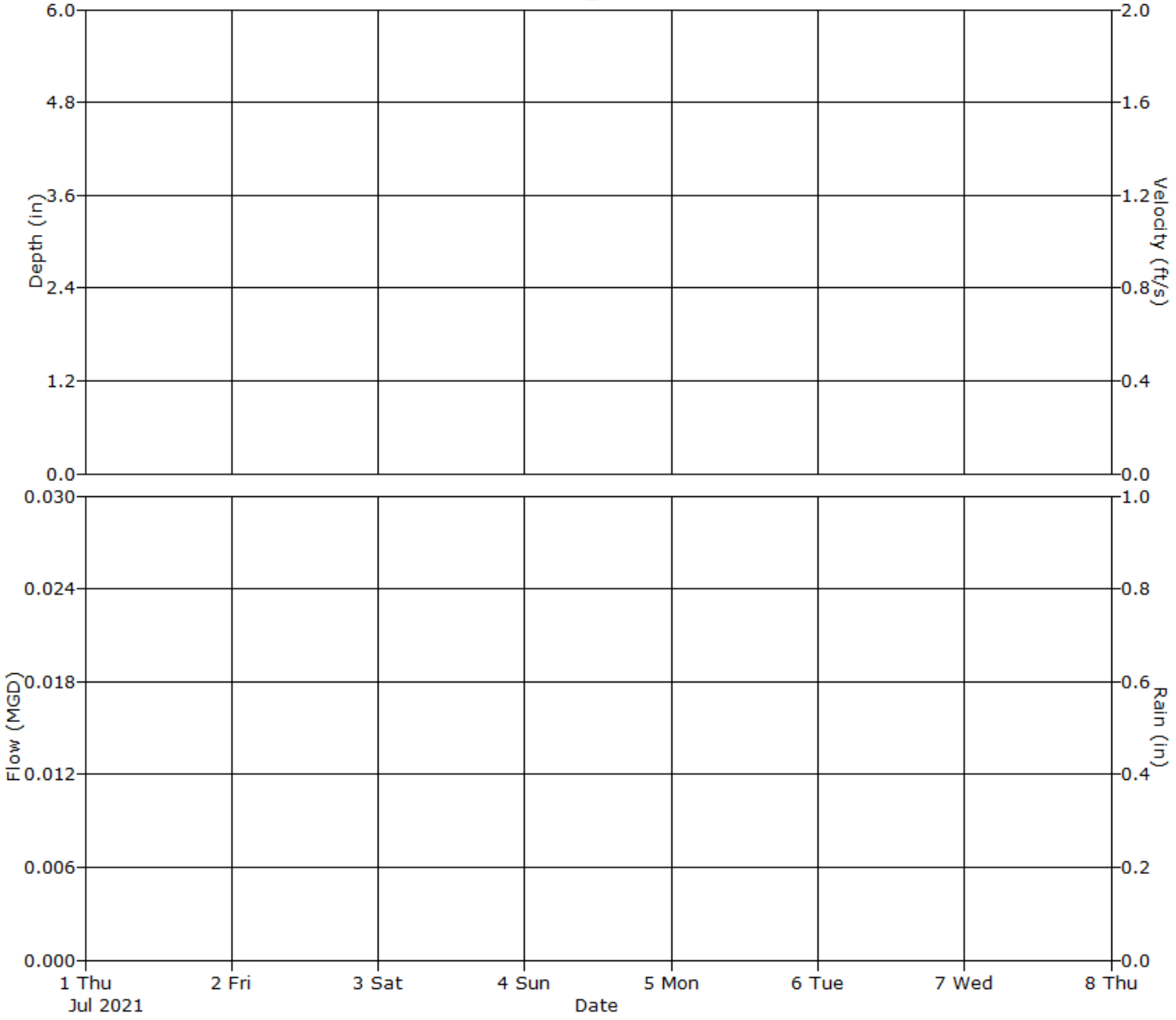


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



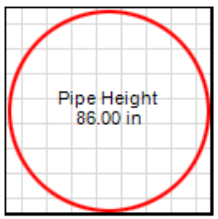
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

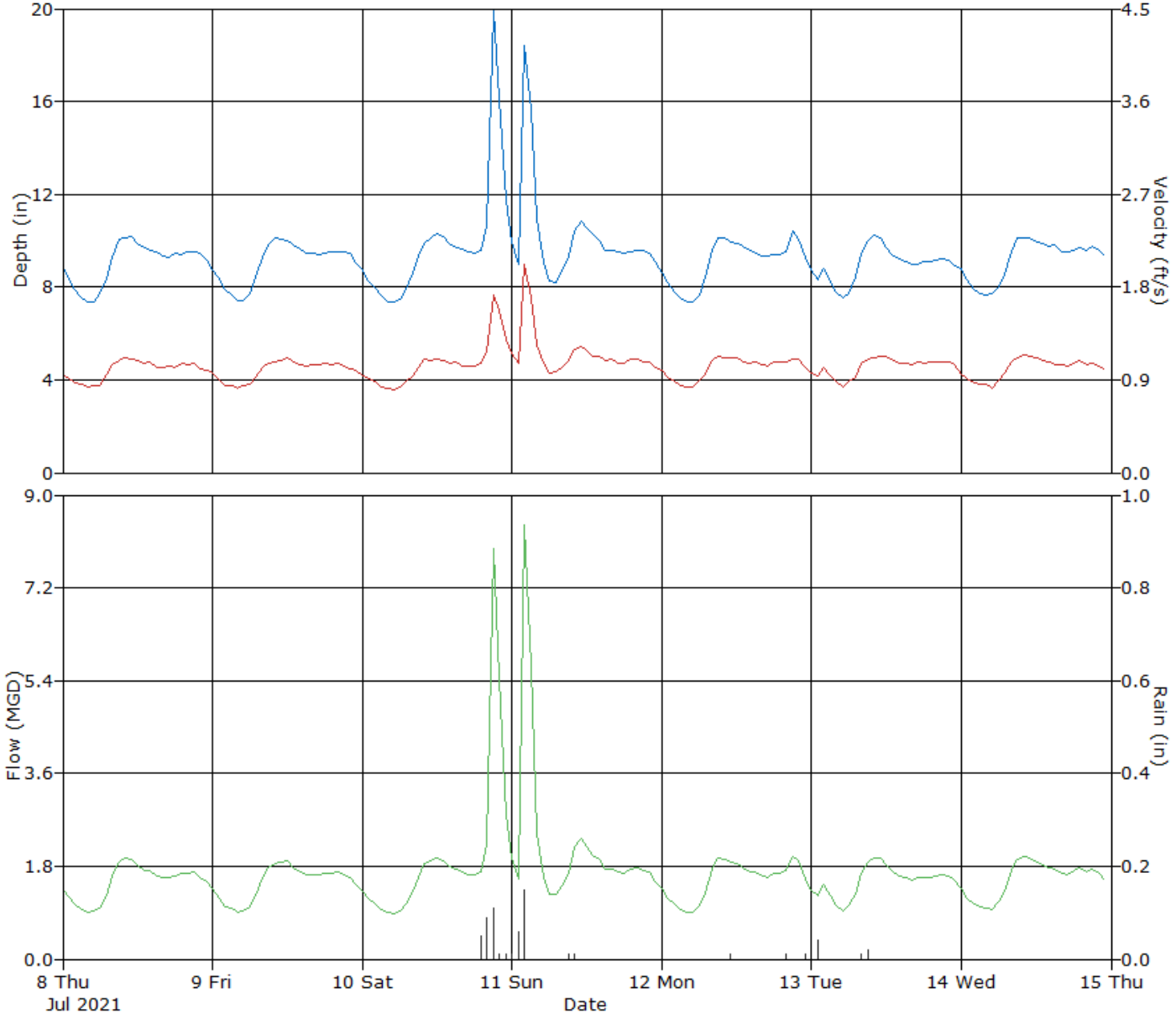


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



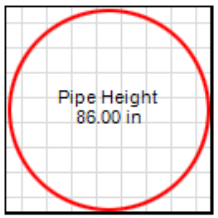
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

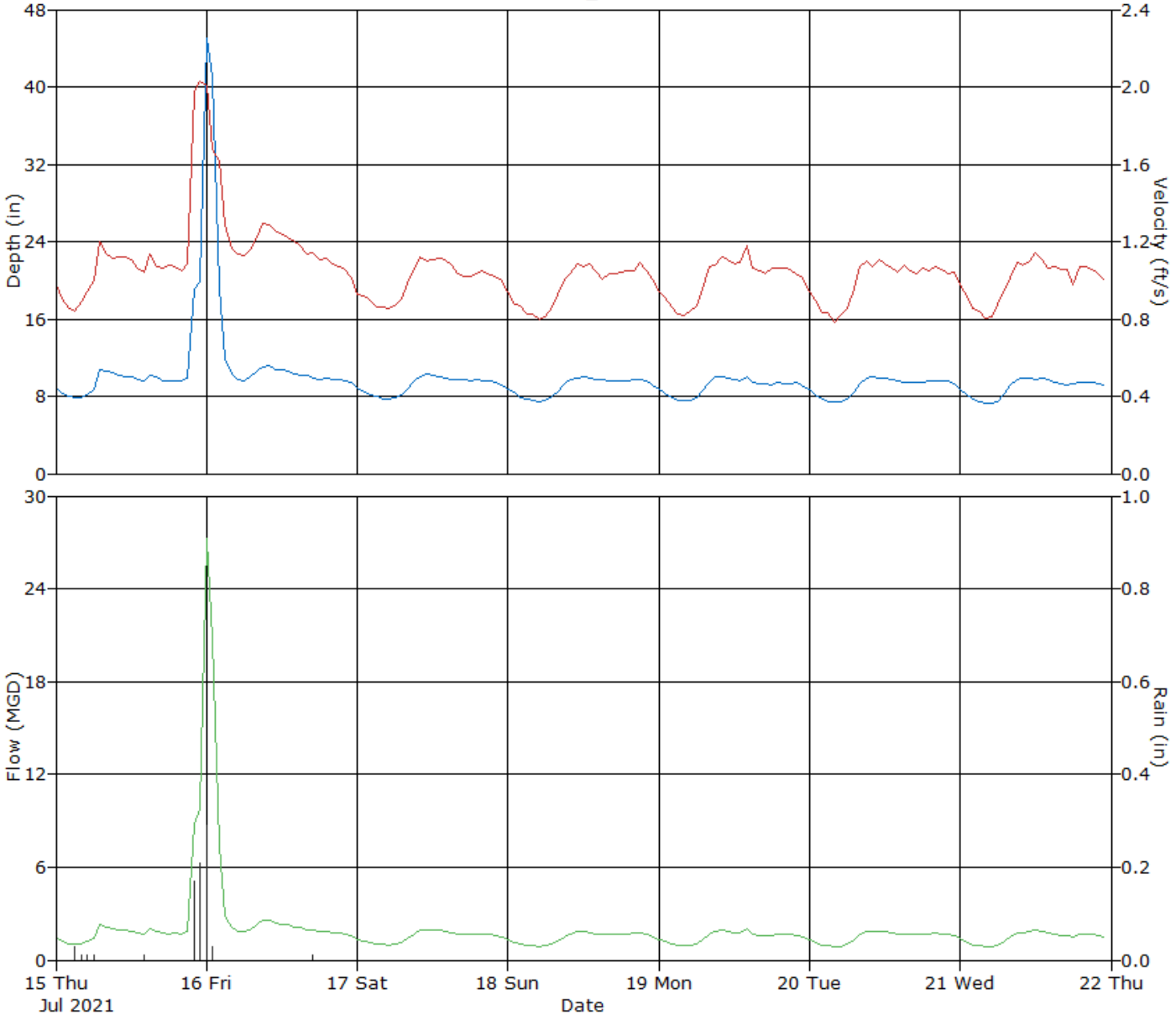


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



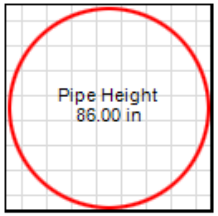
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

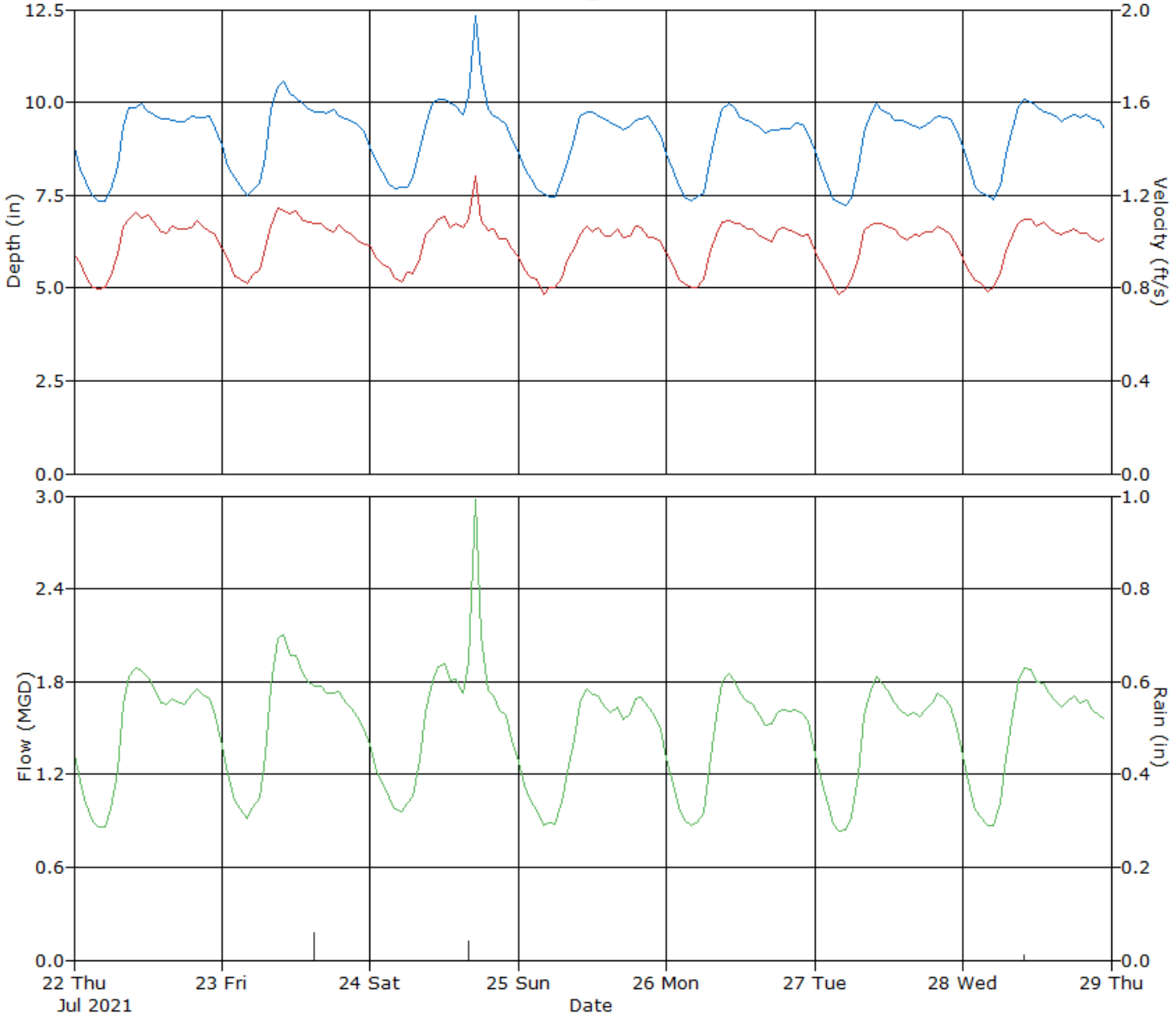


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



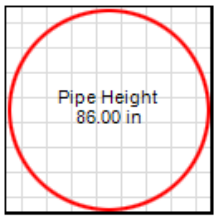
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

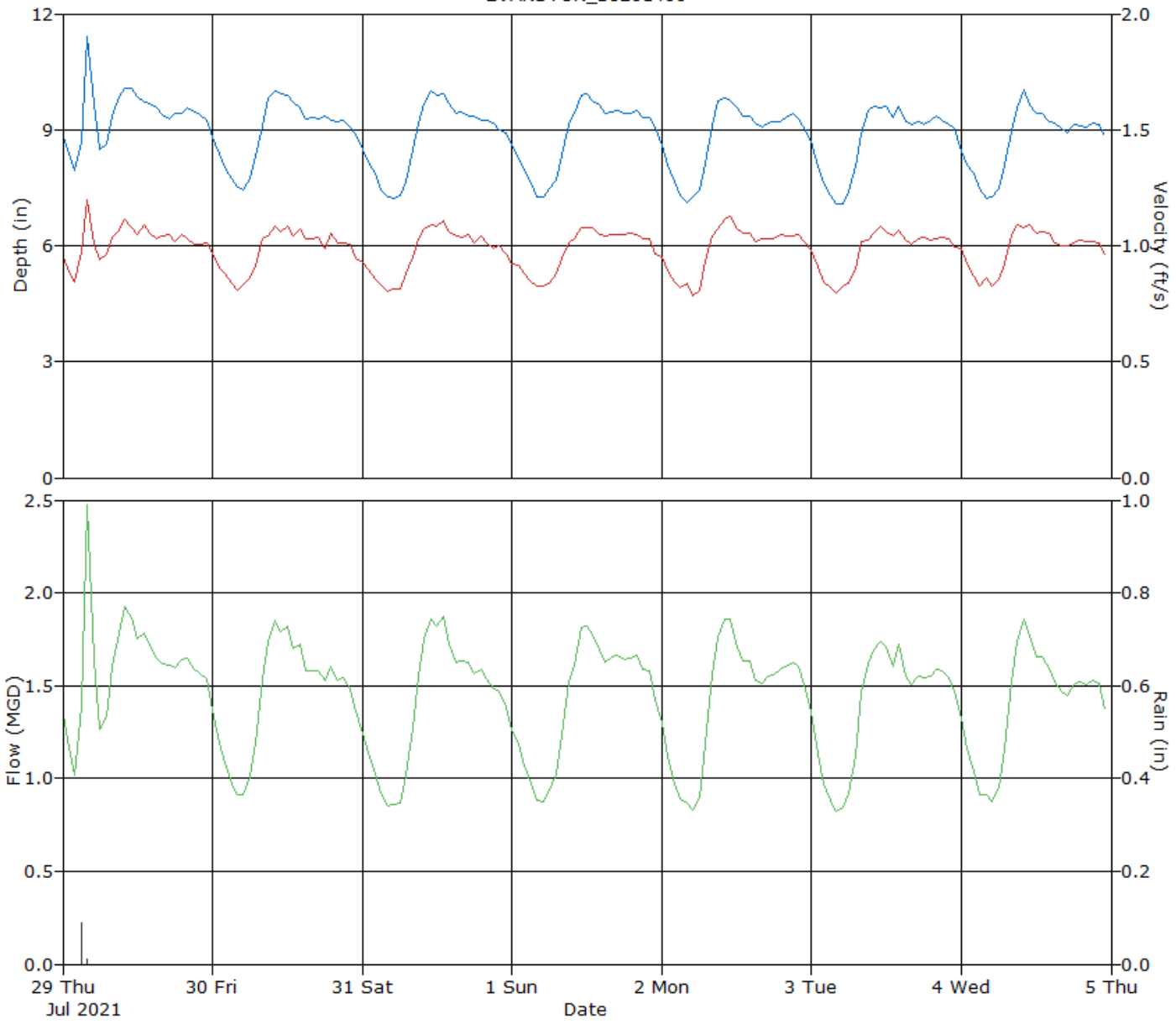


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



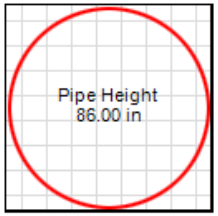
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

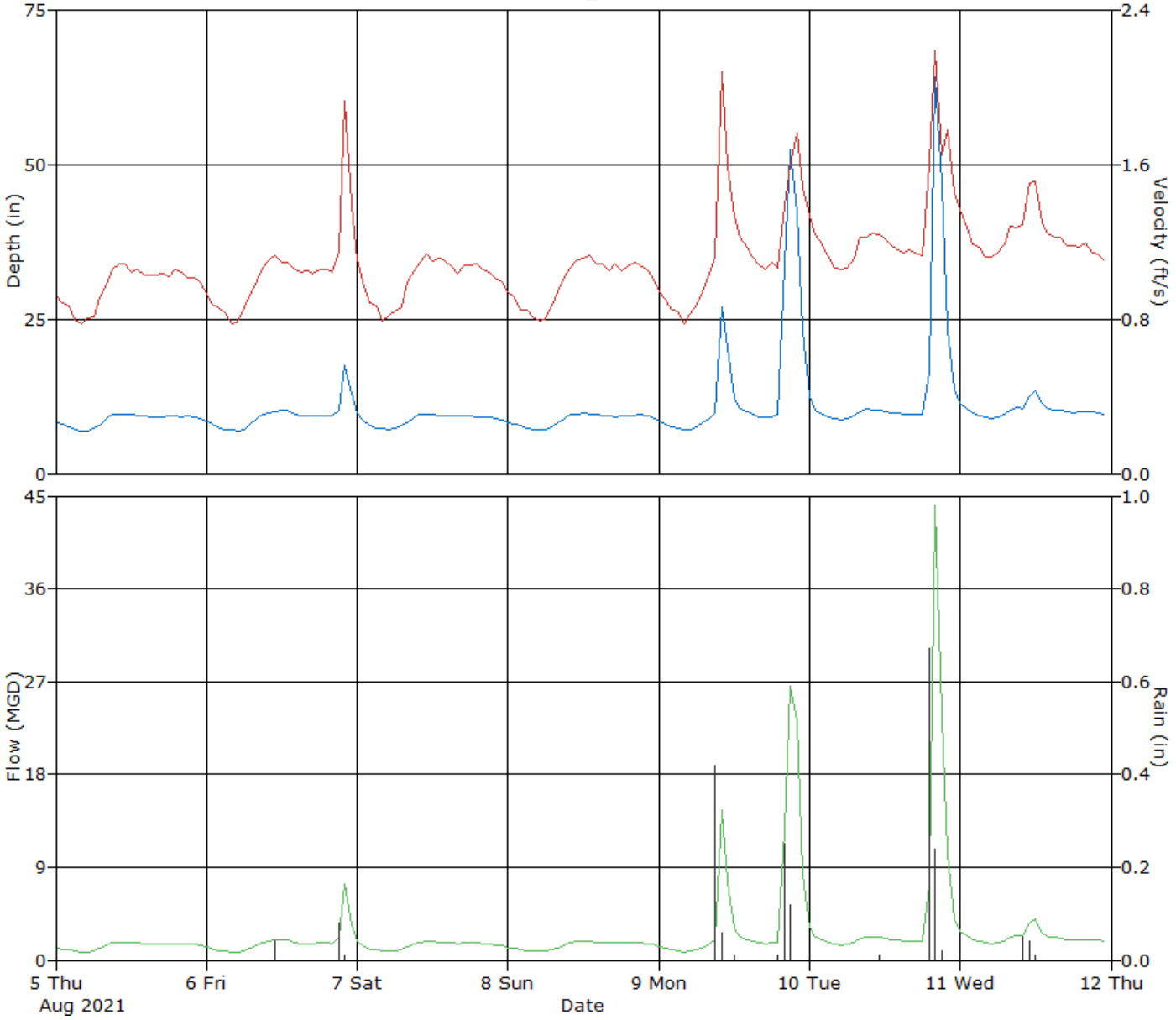


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



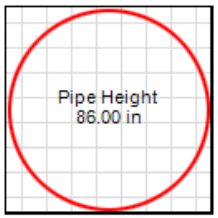
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

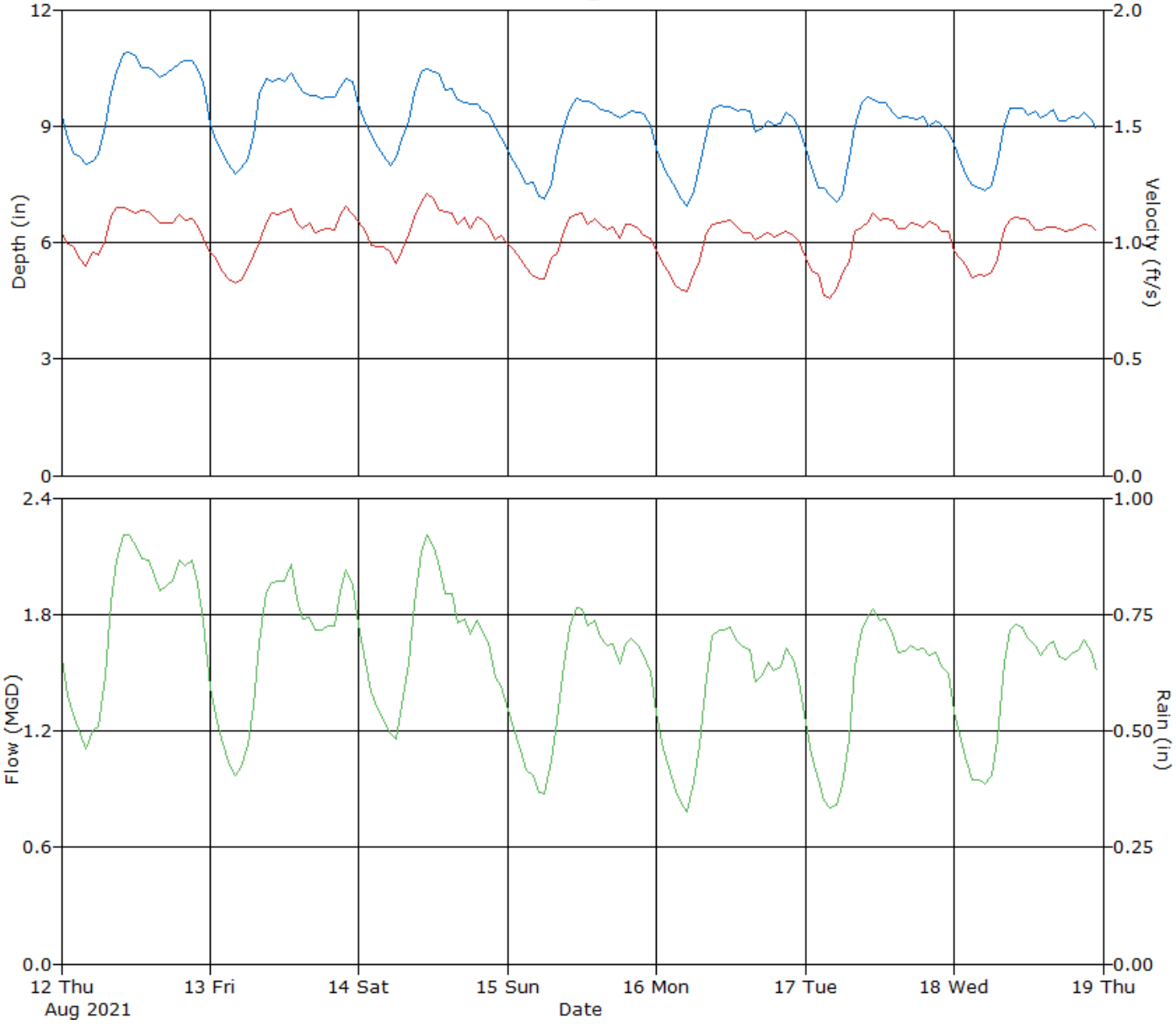


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



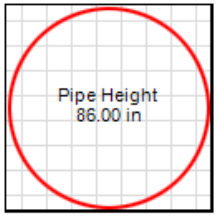
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

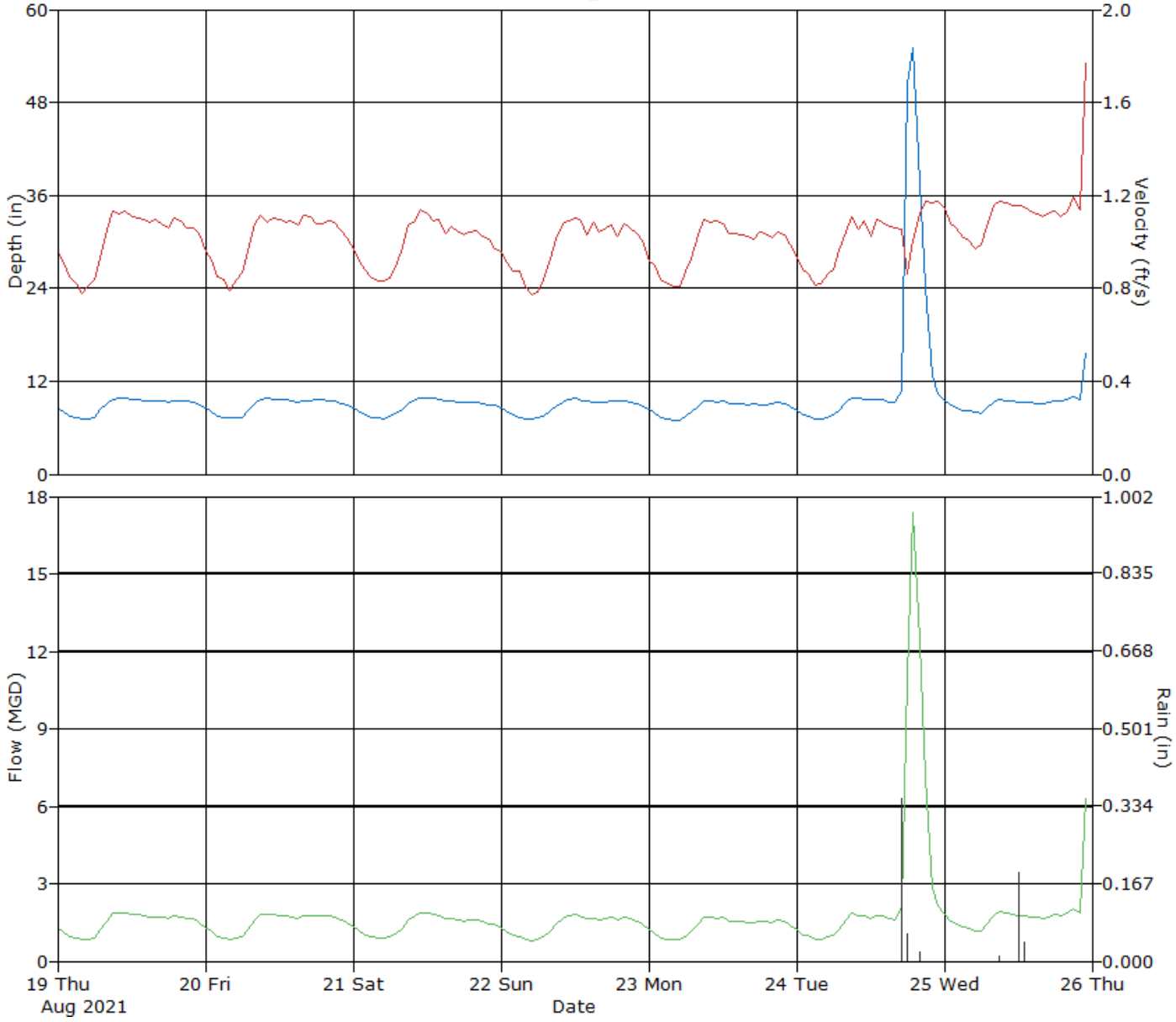


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



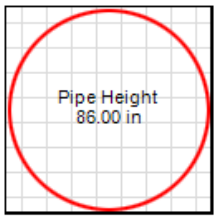
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8201400

Flow Monitor

EVANSTON_B8201400

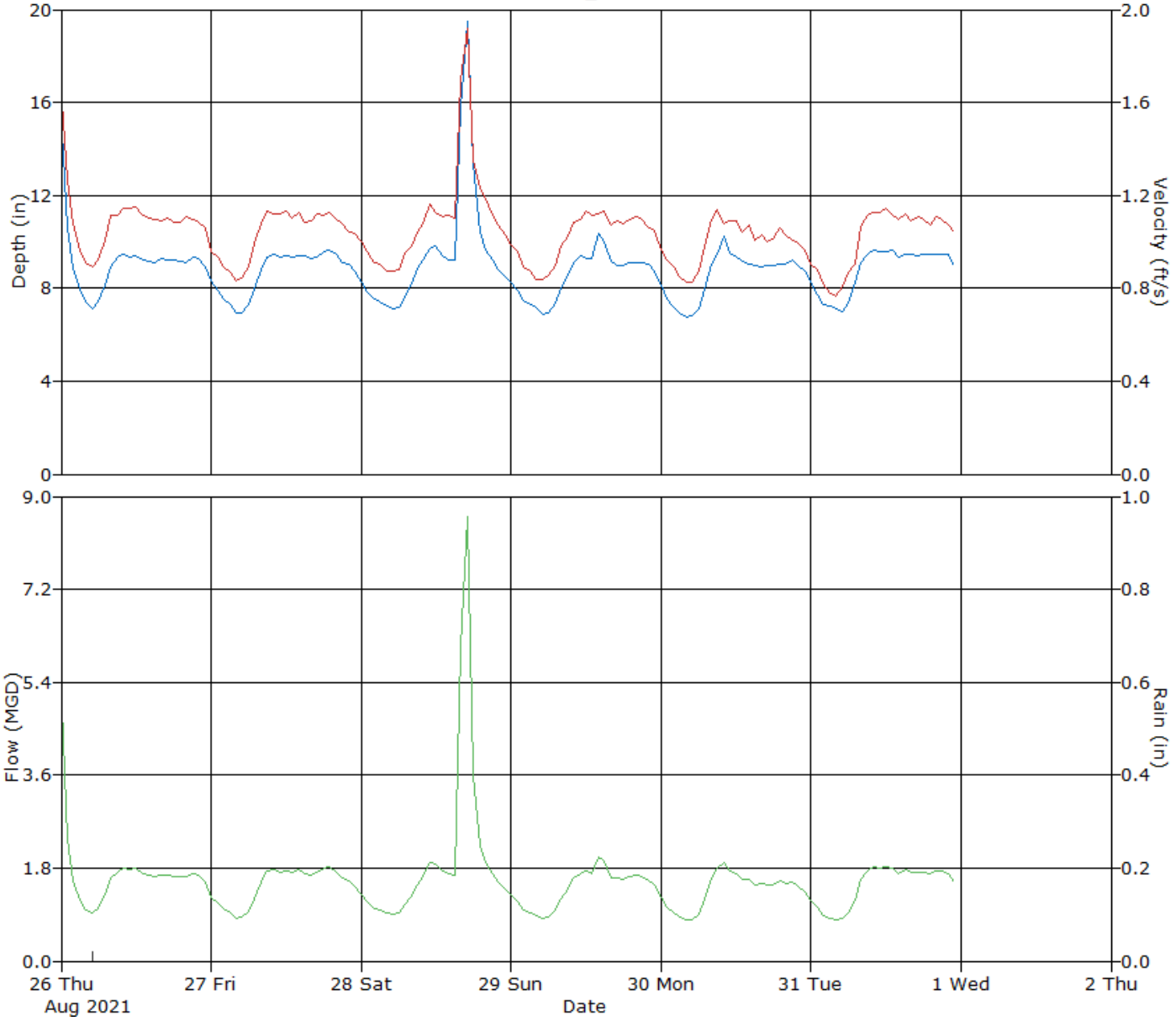


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.07
05/19/2021																	0.06
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.19
05/24/2021																	0.01
05/25/2021																	
05/26/2021																	0.45
05/27/2021																	0.03
05/28/2021																	0.15
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.26
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.65
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.22
06/25/2021																	1.04
06/26/2021																	0.87
06/27/2021																	
06/28/2021																	0.06
06/29/2021																	0.25
06/30/2021																	0.02
07/01/2021																	
07/02/2021																	
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021																	
07/07/2021																	
07/08/2021	05:00	7.12	09:50	10.35	9.04	04:05	0.71	09:30	1.18	1.00	04:05	0.799	10:55	2.031	1.490	199178	
07/09/2021	05:10	7.17	11:10	10.28	9.05	02:40	0.60	11:25	1.17	0.99	02:40	0.733	11:25	2.013	1.484	198430	
07/10/2021	05:45	7.15	21:40	21.45	9.90	05:50	0.64	21:25	1.85	1.05	05:50	0.737	21:25	9.291	1.975	264003	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	06:45	8.10	02:35	19.83	10.21	06:55	0.88	02:35	2.22	1.16	06:55	1.131	02:35	10.175	2.213	295857	0.24
07/12/2021	04:25	7.17	21:35	10.87	9.09	02:30	0.62	21:30	1.20	1.02	02:30	0.759	21:30	2.321	1.538	205643	0.03
07/13/2021	05:40	7.33	10:40	10.36	8.98	05:45	0.66	10:00	1.20	1.03	05:45	0.759	10:00	2.069	1.512	202140	0.07
07/14/2021	04:55	7.50	09:40	10.31	9.18	05:05	0.66	11:05	1.19	1.01	05:05	0.783	09:45	2.110	1.548	206918	
07/15/2021	04:15	7.49	23:55	26.69	10.26	03:40	0.62	22:00	2.44	1.12	03:40	0.805	23:55	16.143	2.288	305870	0.45
07/16/2021	23:55	9.11	00:50	52.78	13.36	23:25	0.88	00:15	2.51	1.24	23:25	1.415	00:25	30.878	4.127	551721	0.33
07/17/2021	05:20	7.42	11:10	10.46	9.15	03:20	0.63	10:50	1.21	1.00	06:35	0.825	12:05	2.090	1.516	202595	
07/18/2021	05:50	7.26	11:55	10.18	9.02	04:05	0.62	15:25	1.16	0.98	04:05	0.750	12:10	1.946	1.454	194423	
07/19/2021	04:10	7.15	09:55	10.30	9.01	04:20	0.61	14:20	1.28	1.01	04:20	0.738	14:20	2.221	1.499	200397	
07/20/2021	03:55	7.17	10:00	10.15	9.03	04:00	0.54	10:25	1.18	1.00	04:00	0.587	10:25	1.998	1.490	199248	
07/21/2021	05:15	7.00	13:15	10.13	8.91	05:40	0.65	12:30	1.21	1.00	05:40	0.745	12:30	2.042	1.467	196111	
07/22/2021	05:45	7.09	11:00	10.23	9.03	02:45	0.61	10:50	1.24	1.00	04:50	0.726	10:50	2.075	1.497	200065	
07/23/2021	04:40	7.31	10:15	10.90	9.23	04:50	0.65	09:50	1.24	1.01	04:50	0.767	09:50	2.321	1.561	208690	0.06
07/24/2021	04:55	7.43	17:25	12.61	9.28	05:05	0.64	17:15	1.39	1.00	05:05	0.793	17:15	3.308	1.571	210032	0.04
07/25/2021	06:30	7.24	11:25	9.95	8.88	04:50	0.58	12:30	1.13	0.96	04:50	0.657	11:35	1.878	1.403	187504	
07/26/2021	04:20	7.09	10:50	10.21	8.90	05:35	0.57	10:35	1.17	0.98	05:35	0.679	11:00	1.971	1.440	192443	
07/27/2021	05:25	7.05	10:10	10.15	8.94	04:35	0.49	10:20	1.18	0.98	04:30	0.567	10:20	2.040	1.446	193297	
07/28/2021	05:10	7.20	10:15	10.28	9.09	04:25	0.56	11:30	1.17	0.98	04:25	0.665	10:20	2.053	1.485	198474	0.01
07/29/2021	03:15	7.51	04:30	12.20	9.39	02:30	0.58	04:10	1.31	1.02	02:30	0.748	04:15	2.654	1.604	214423	0.10
07/30/2021	05:25	7.32	10:45	10.11	8.95	03:00	0.71	12:30	1.14	0.98	04:50	0.821	10:55	1.923	1.441	192667	
07/31/2021	05:30	6.97	11:20	10.25	8.80	02:25	0.63	13:10	1.16	0.97	05:35	0.733	13:10	1.987	1.403	187564	
08/01/2021	05:55	7.10	12:00	10.19	8.86	04:55	0.62	11:15	1.16	0.98	04:55	0.699	11:15	1.955	1.424	190323	
08/02/2021	04:45	6.97	09:45	10.05	8.80	06:35	0.58	11:00	1.18	0.99	06:30	0.630	11:40	1.929	1.421	189957	
08/03/2021	04:45	6.86	14:30	10.41	8.75	04:55	0.62	14:30	1.16	0.98	04:55	0.646	14:30	2.105	1.395	186432	
08/04/2021	05:50	7.11	10:00	10.34	8.74	03:35	0.64	09:40	1.20	0.98	03:35	0.737	10:10	2.032	1.396	186569	
08/05/2021	04:45	6.68	09:40	9.97	8.67	04:55	0.56	11:20	1.15	0.97	04:55	0.632	11:50	1.828	1.369	182991	
08/06/2021	05:40	6.68	22:25	18.44	9.38	04:30	0.53	22:20	2.10	1.05	04:30	0.601	22:20	8.682	1.791	239376	0.13
08/07/2021	05:30	6.98	00:00	10.53	8.74	04:50	0.60	00:05	1.20	1.01	04:50	0.662	00:00	2.137	1.436	191899	
08/08/2021	04:35	6.94	12:00	9.91	8.70	04:40	0.56	13:00	1.17	0.99	04:40	0.605	12:05	1.936	1.412	188760	
08/09/2021	05:15	6.91	21:10	56.16	14.91	04:25	0.59	10:20	2.72	1.17	04:25	0.648	22:05	33.943	5.000	668384	0.87
08/10/2021	06:05	8.64	20:30	71.17	14.61	04:35	0.98	20:10	3.53	1.29	06:00	1.361	20:10	66.975	5.278	705558	0.94
08/11/2021	05:35	8.89	11:55	14.55	10.27	23:55	0.88	12:05	1.70	1.23	23:55	1.444	11:55	4.938	2.221	296846	0.10
08/12/2021	05:05	7.76	12:10	11.33	9.82	04:05	0.77	11:35	1.22	1.06	04:05	0.972	11:35	2.370	1.787	238868	
08/13/2021	04:10	7.61	13:30	10.52	9.44	05:40	0.67	13:10	1.21	1.02	05:40	0.885	13:35	2.182	1.630	217854	
08/14/2021	05:40	7.73	10:45	10.73	9.34	06:20	0.76	11:15	1.30	1.07	06:20	1.021	11:15	2.382	1.664	222404	
08/15/2021	05:15	6.93	13:55	9.89	8.76	05:25	0.63	12:40	1.19	1.01	05:25	0.701	11:15	1.965	1.444	193099	
08/16/2021	05:15	6.79	11:55	9.75	8.68	02:00	0.56	12:25	1.17	0.99	05:55	0.666	09:35	1.838	1.392	186119	
08/17/2021	05:30	6.90	10:00	10.02	8.73	03:10	0.57	11:15	1.18	1.00	04:20	0.658	11:10	1.916	1.426	190620	
08/18/2021	05:55	7.11	10:25	9.72	8.76	03:50	0.62	11:00	1.15	1.01	03:50	0.765	15:50	1.835	1.440	192549	
08/19/2021	04:30	6.92	10:10	10.07	8.84	04:40	0.57	11:10	1.21	1.01	04:35	0.607	10:20	2.023	1.472	196823	
08/20/2021	04:25	7.01	10:55	10.05	8.87	04:35	0.60	16:40	1.19	1.02	04:35	0.662	10:15	1.977	1.481	198012	
08/21/2021	05:05	7.01	12:35	10.12	8.78	06:40	0.64	10:30	1.21	0.99	04:00	0.747	12:50	2.002	1.424	190383	
08/22/2021	05:10	6.77	11:35	9.99	8.69	05:25	0.55	11:25	1.16	0.98	05:25	0.633	11:55	1.908	1.392	186087	
08/23/2021	04:20	6.74	09:40	9.79	8.58	04:30	0.63	09:05	1.15	0.98	04:30	0.676	09:50	1.857	1.359	181625	
08/24/2021	03:55	6.91	18:55	65.92	14.49	18:30	0.36	18:10	1.87	1.01	03:05	0.750	19:25	21.082	3.265	436480	0.43
08/25/2021	06:00	7.76	23:40	18.44	9.38	05:45	0.91	23:40	2.08	1.14	05:45	1.088	23:40	8.612	1.852	247621	0.24
08/26/2021	05:50	7.09	00:00	17.44	9.15	05:30	0.88	00:00	1.88	1.10	05:30	0.905	00:00	7.185	1.710	228656	0.02
08/27/2021	05:00	6.86	19:55	9.66	8.70	04:50	0.78	12:00	1.19	1.03	04:50	0.771	19:55	1.894	1.465	195862	
08/28/2021	05:50	7.04	17:15	21.04	9.54	05:55	0.82	17:15	2.28	1.11	05:55	0.843	17:15	11.384	2.023	270459	
08/29/2021	05:30	6.84	14:45	10.73	8.56	04:40	0.82	14:25	1.24	1.02	06:05	0.809	14:25	2.286	1.414	189027	
08/30/2021	04:20	6.71	10:15	10.86	8.55	23:50	0.76	10:15	1.20	0.99	04:15	0.750	10:15	2.320	1.371	183258	
08/31/2021	05:25	6.87	10:10	10.02	8.80	03:20	0.49	10:00	1.22	1.01	03:15	0.540	10:00	1.946	1.466	195894	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			12976490	11.39
Avg	9.45	1.03	1.765	

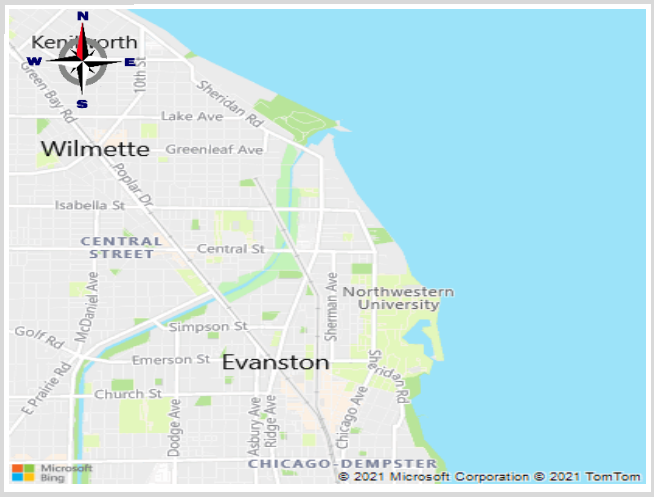
Evanston, IL

Flow Monitoring Site Report

SITE NAME

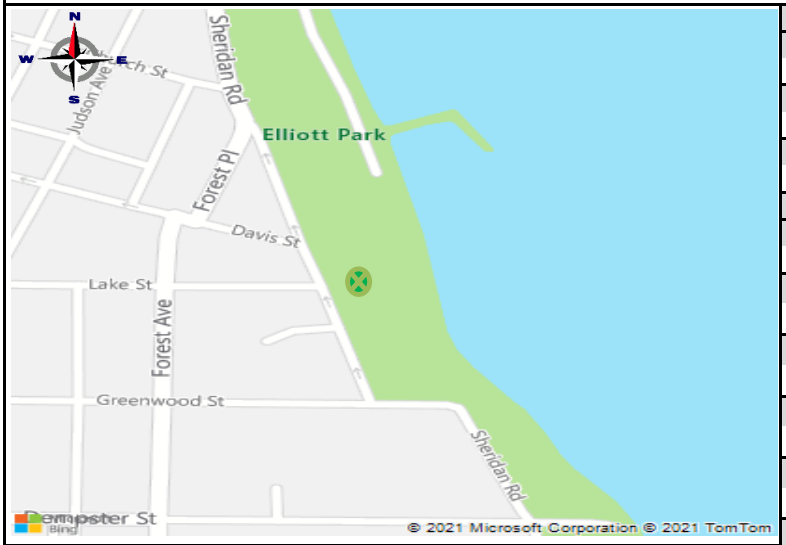
B8305500

Site Address /Location:	Near Lake St. and Sheridan St.			Monitor Series	Location Type
				ATT Triton+ WWM	Temporary
Site Access Details:	East of Intersection in grass by walkway	Latitude:	42.043983	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.67275	57.5 x 57.5	Circular



Manhole #	System Characteristics
B83_05500	Commercial
Access	Traffic
Drive	None







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, July 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
10:00:00 AM	57.5 x 57.5
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
7.75	48.25
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.93	0
Silt (in)	Silt Type
0	
Hydraulic Comments:	
Fair	

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
14.4	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

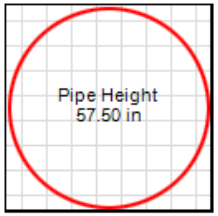
Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

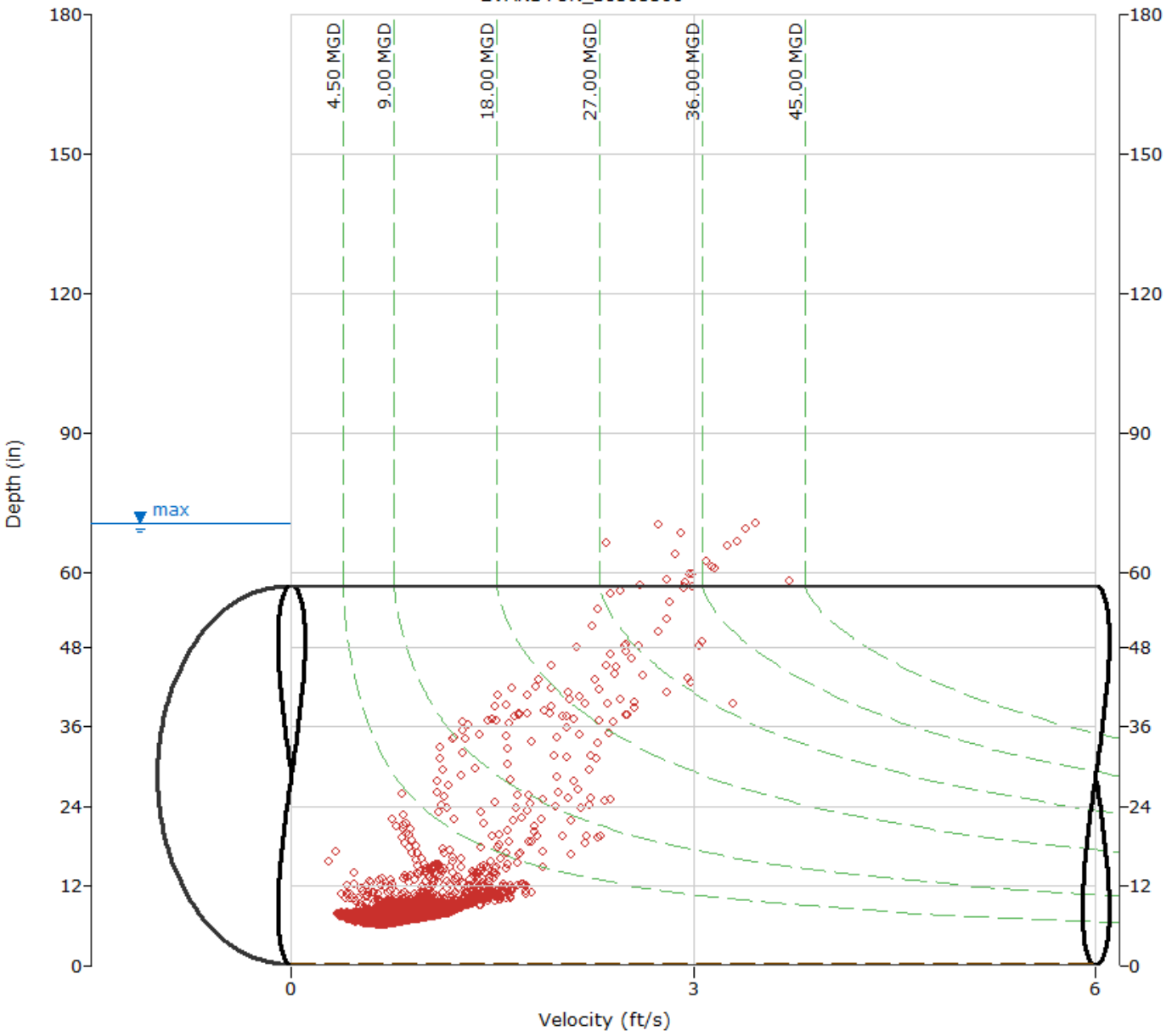


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



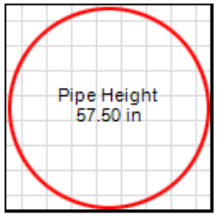
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

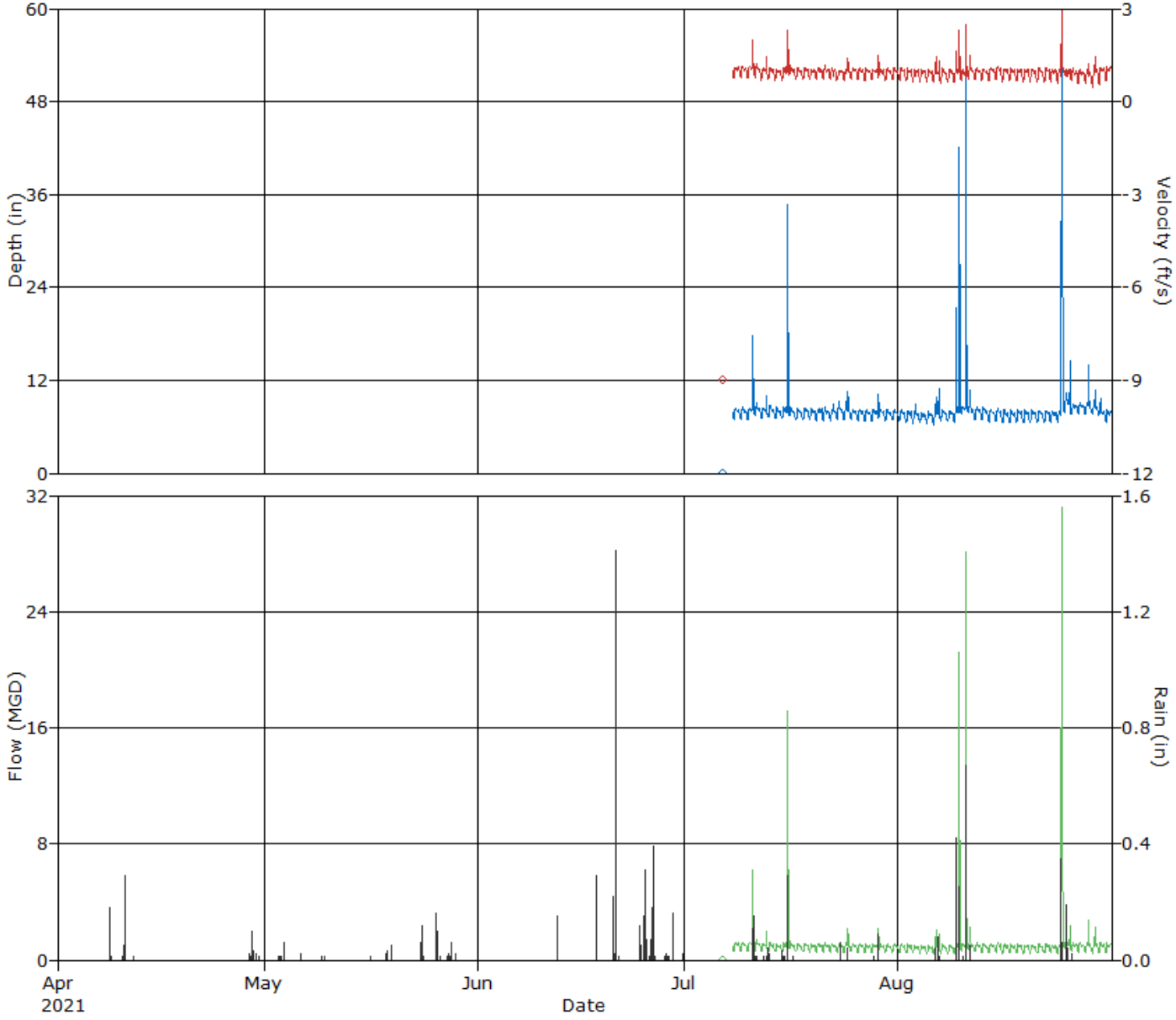


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



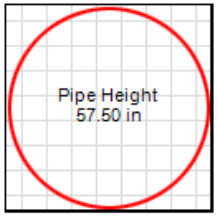
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

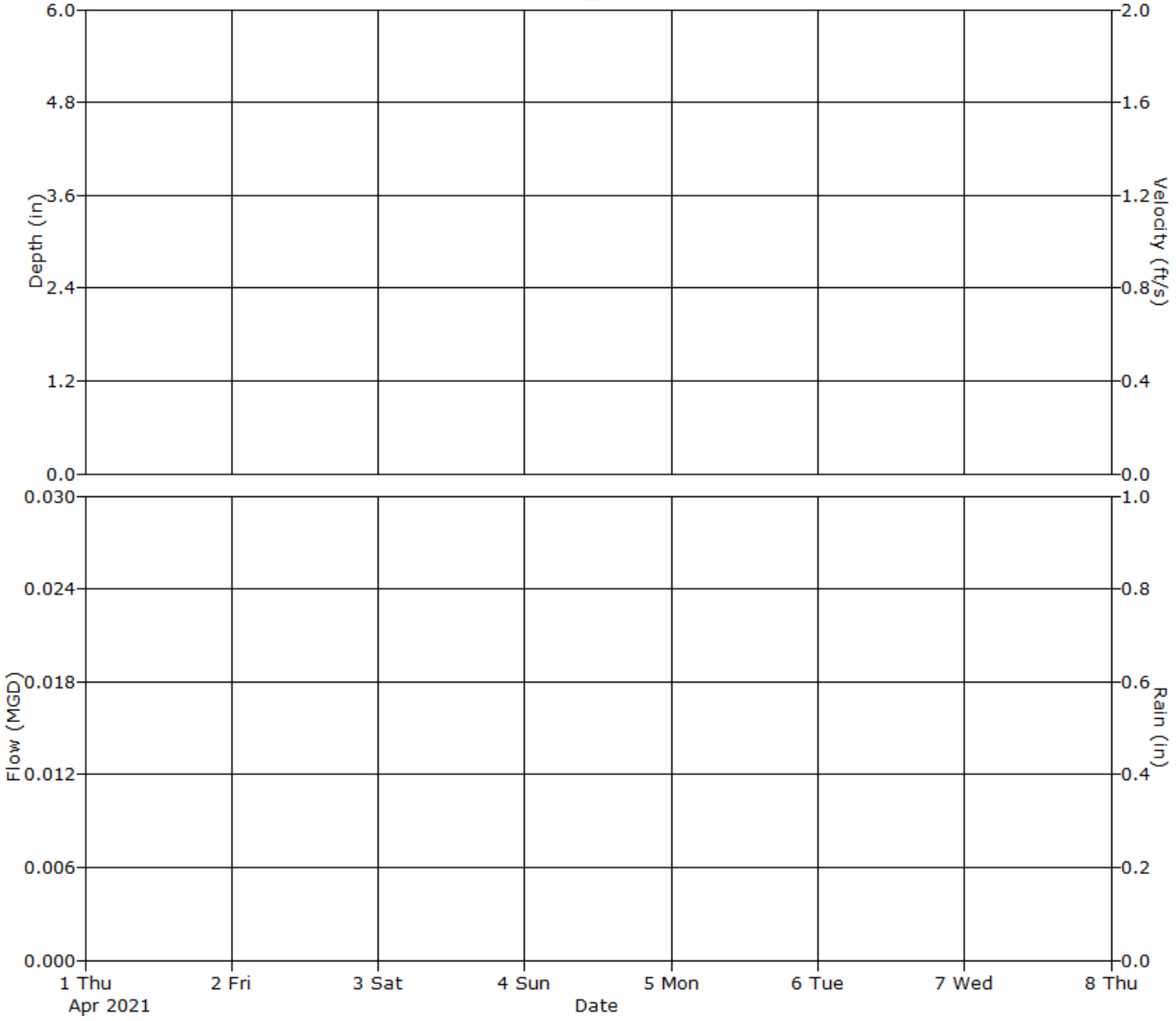


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



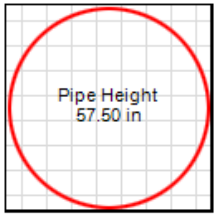
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

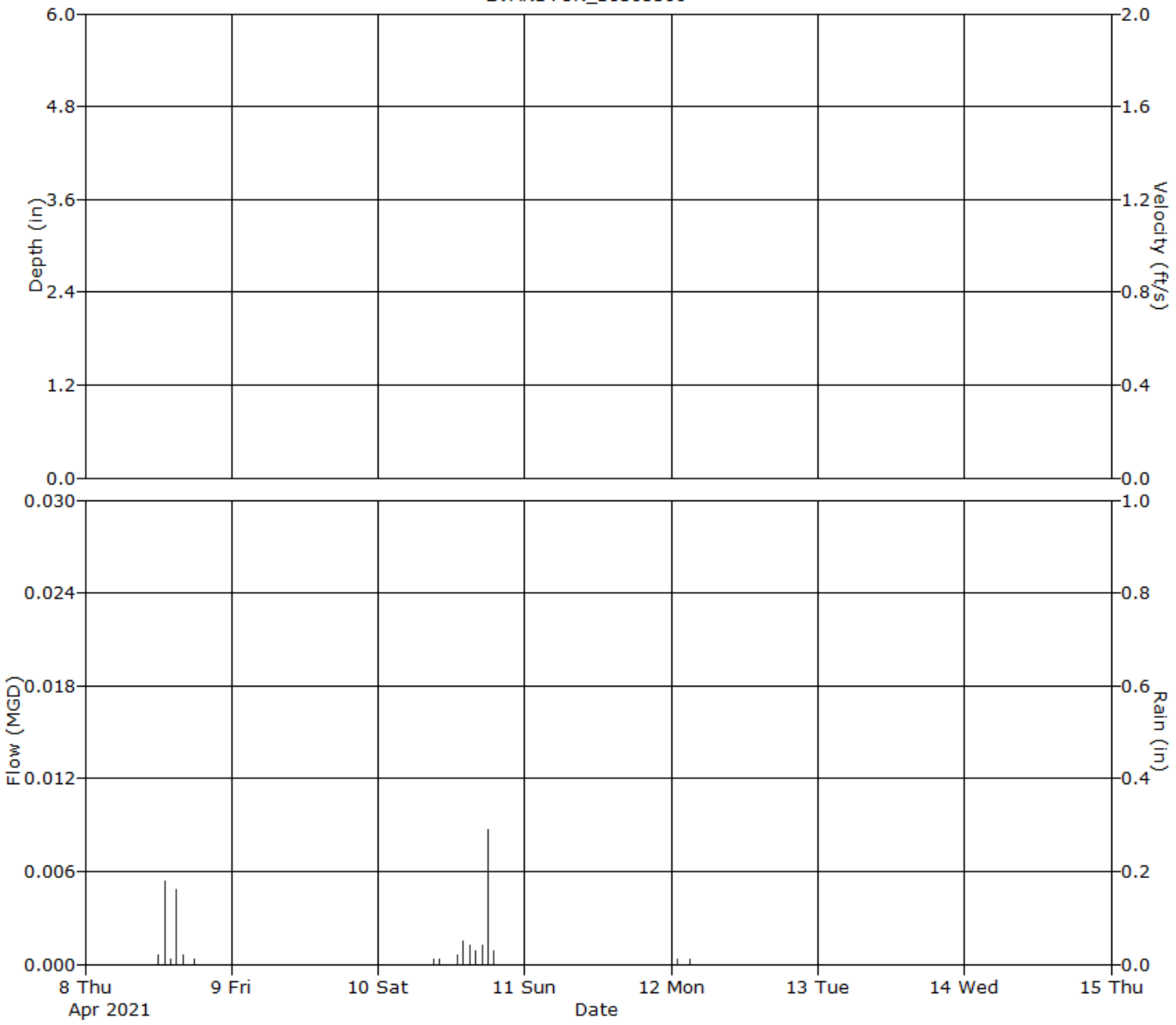


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



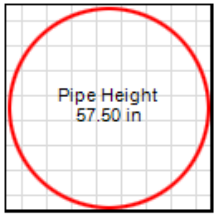
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

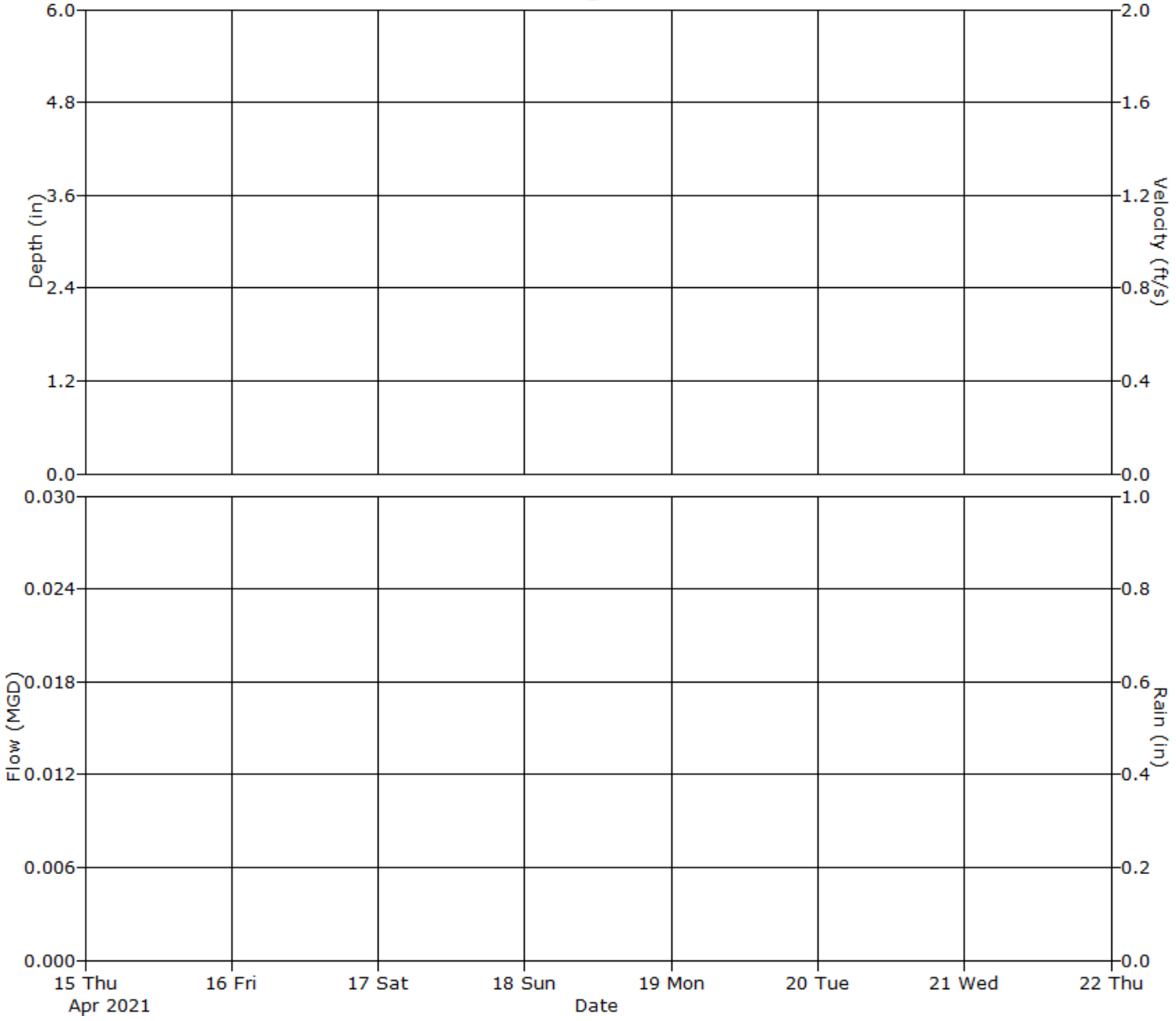


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



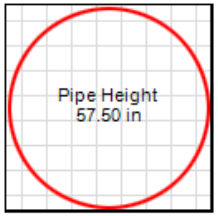
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

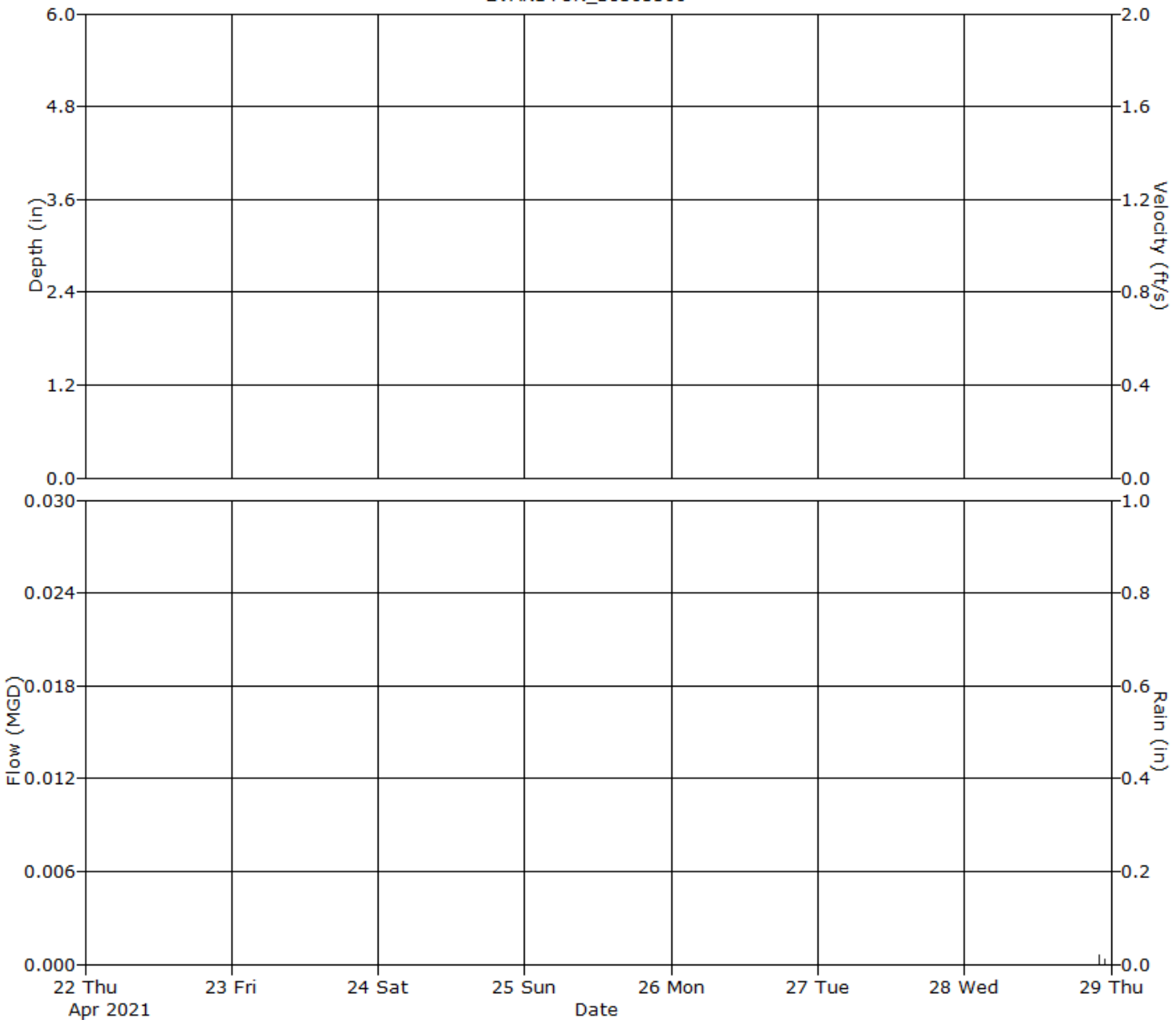


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



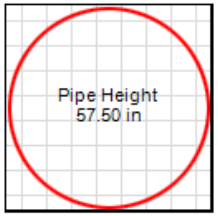
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

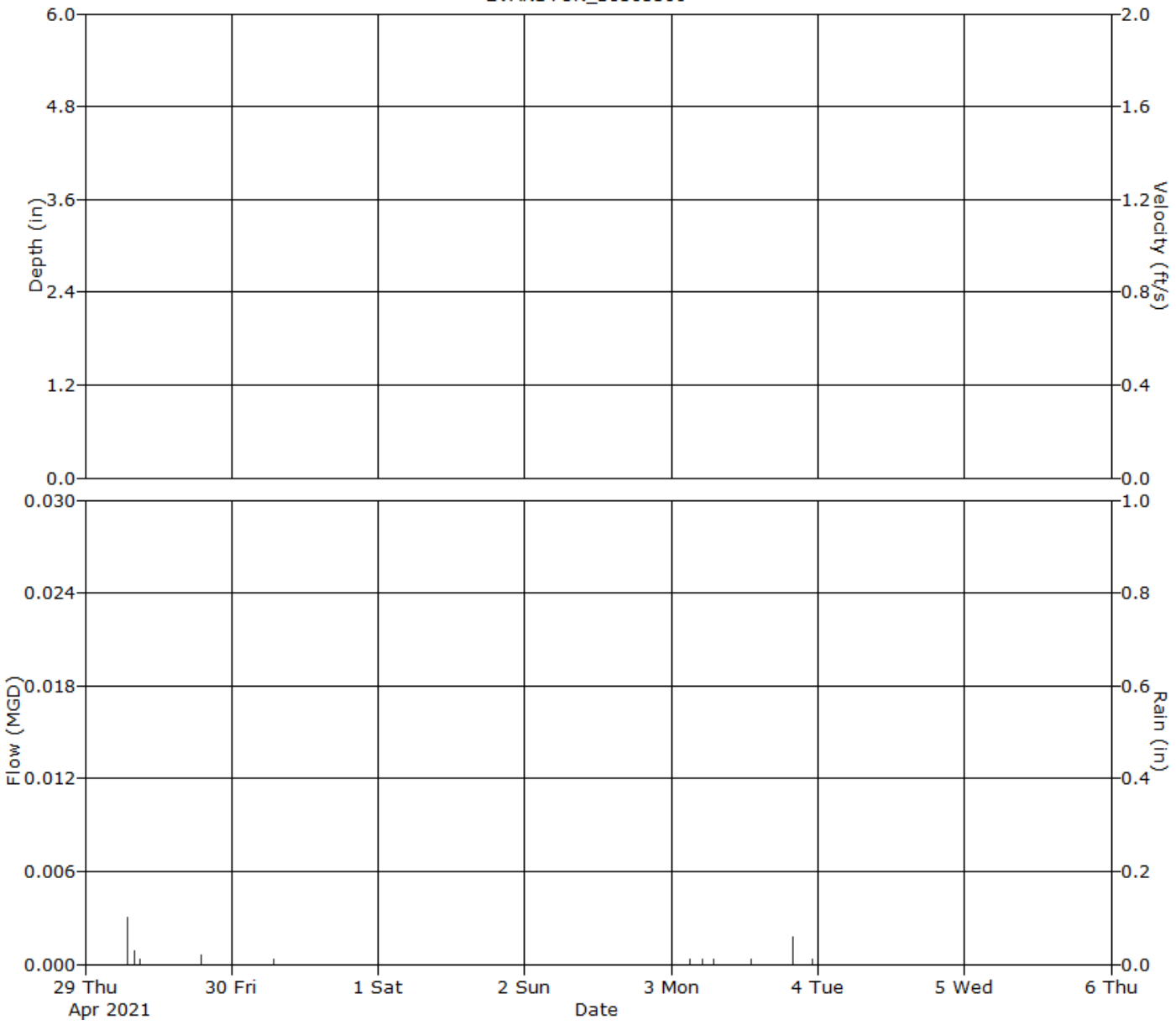


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



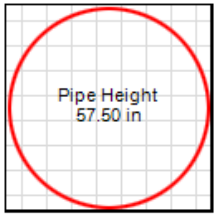
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

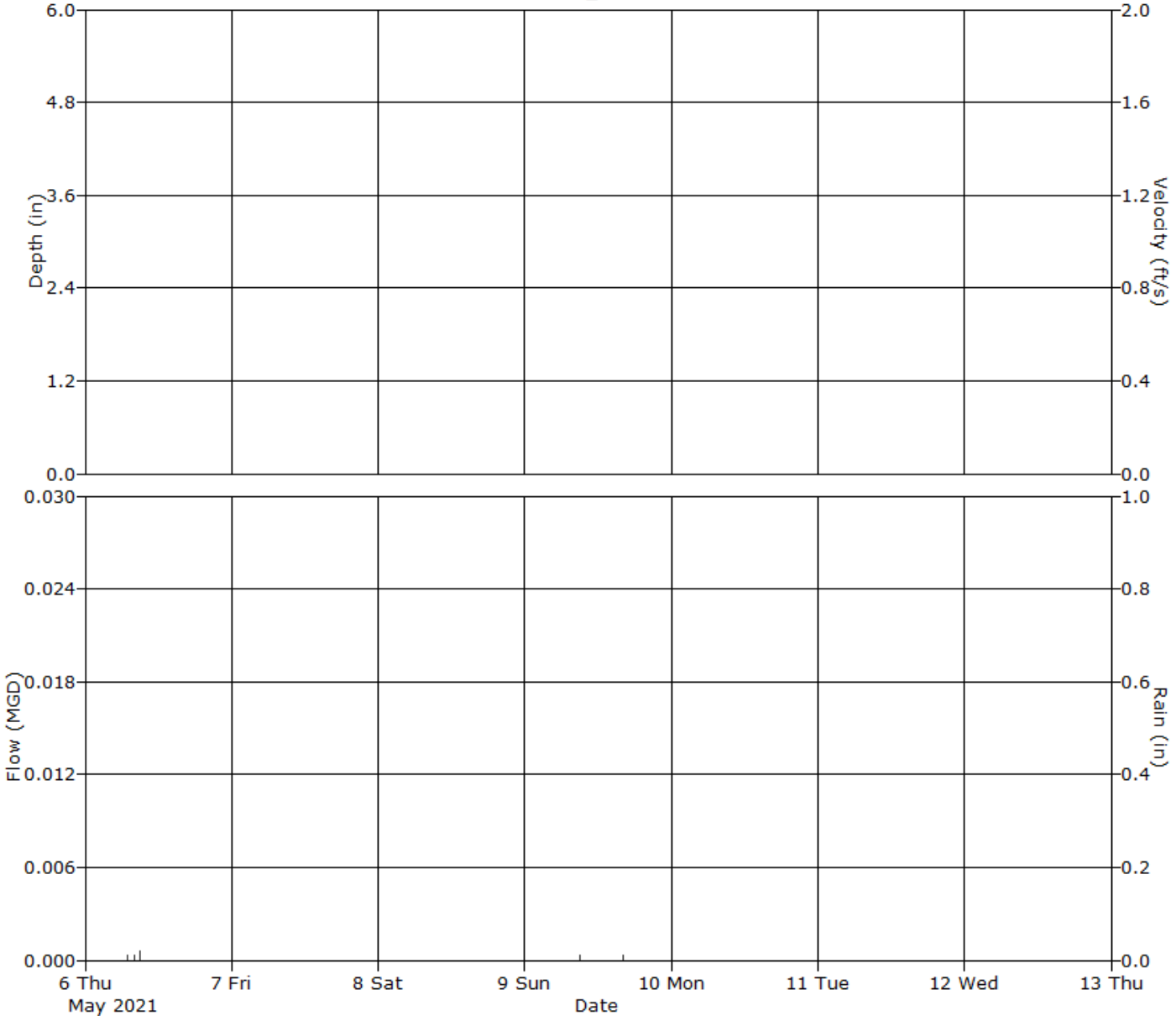


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



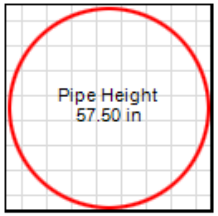
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

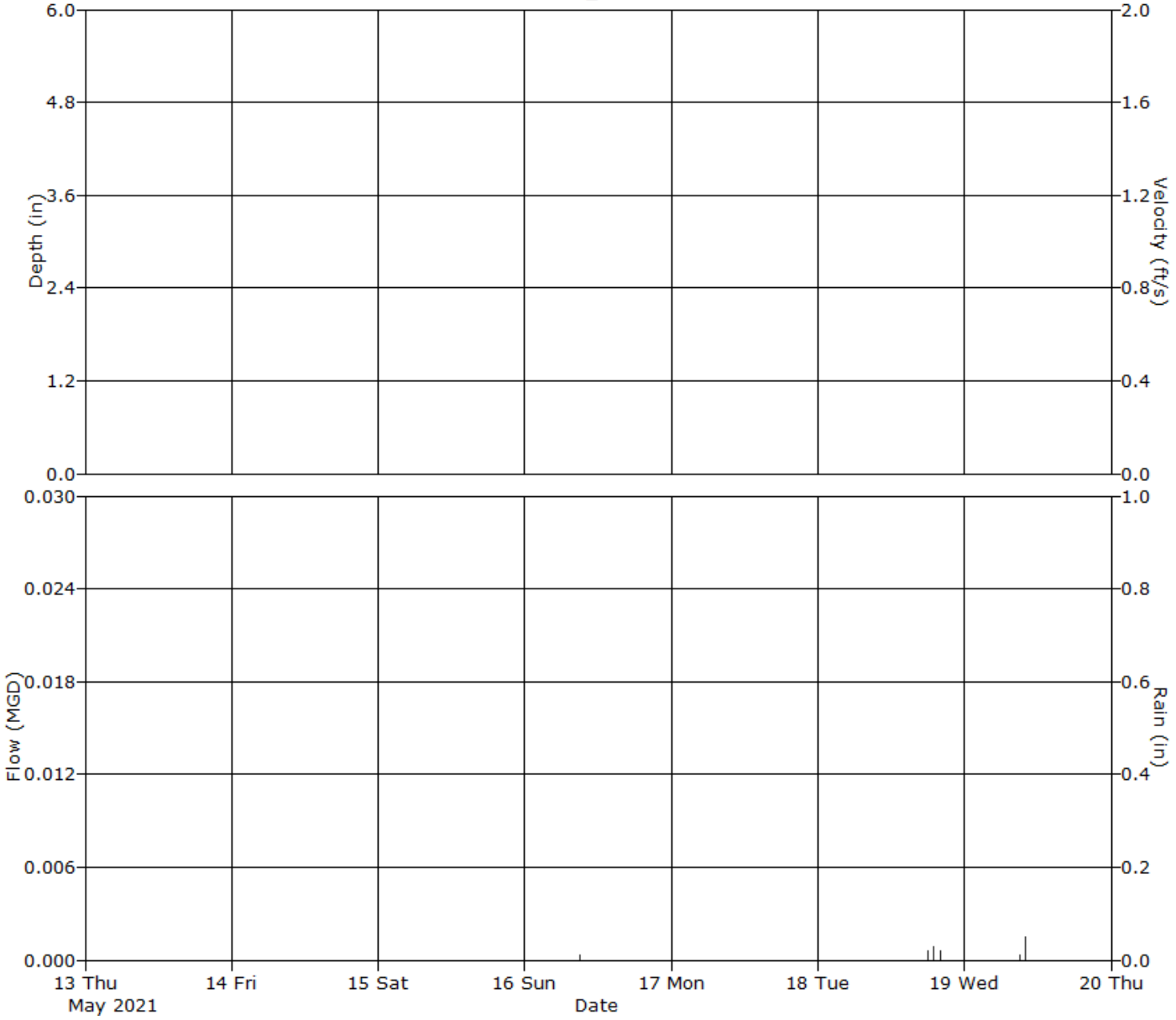


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



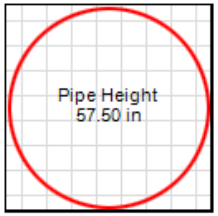
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

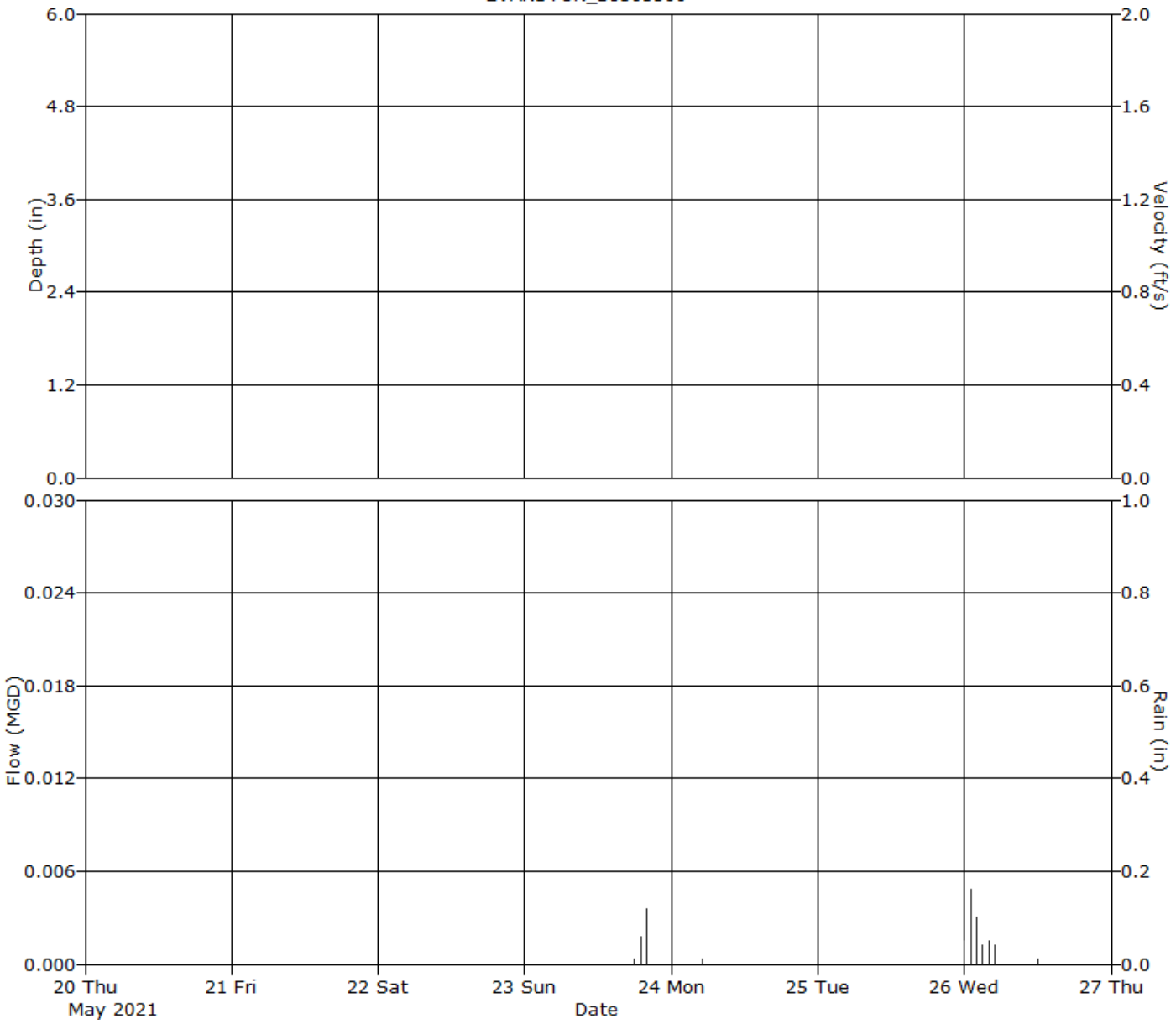


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



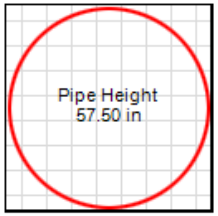
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

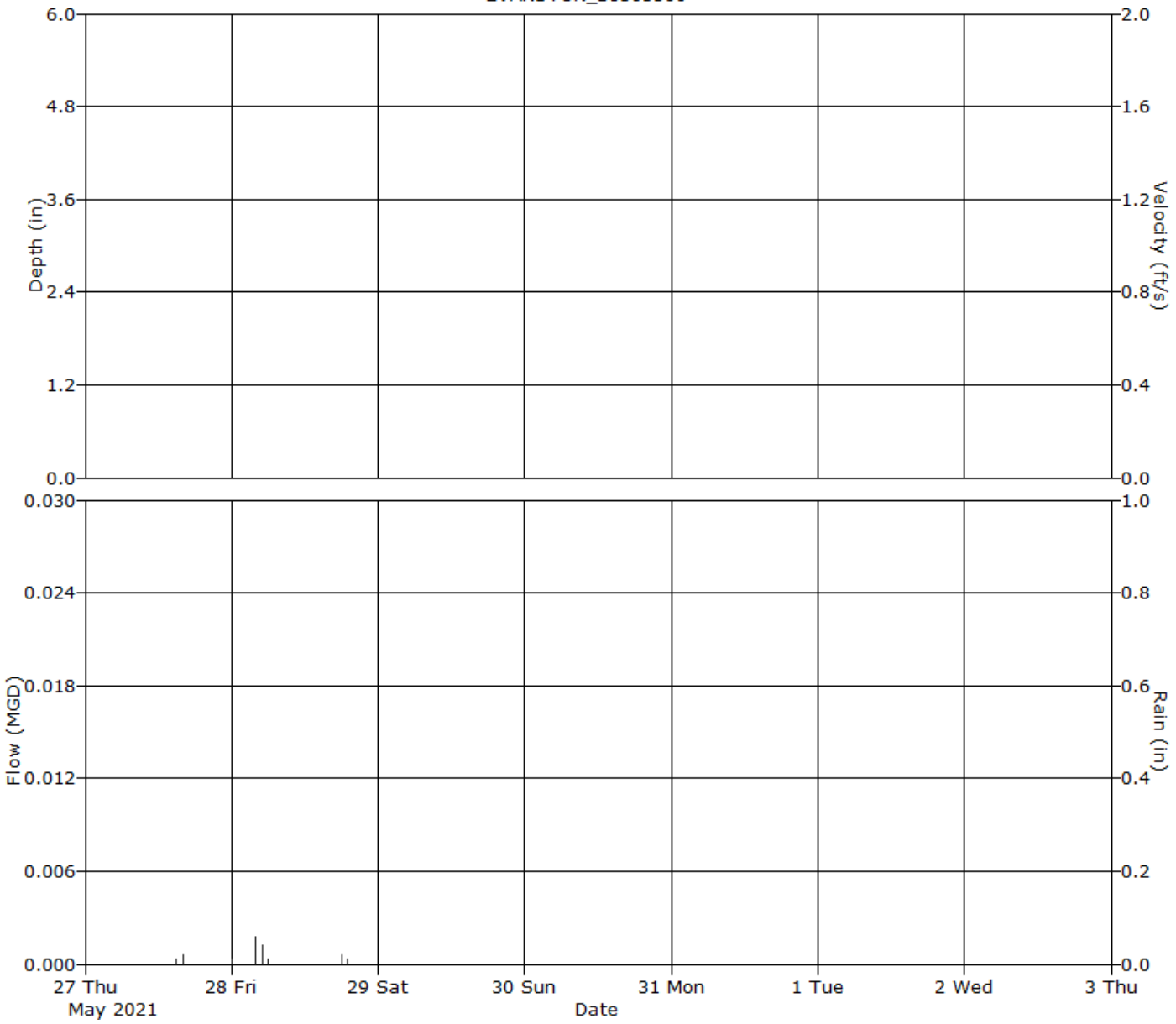


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



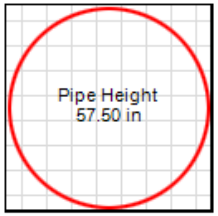
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

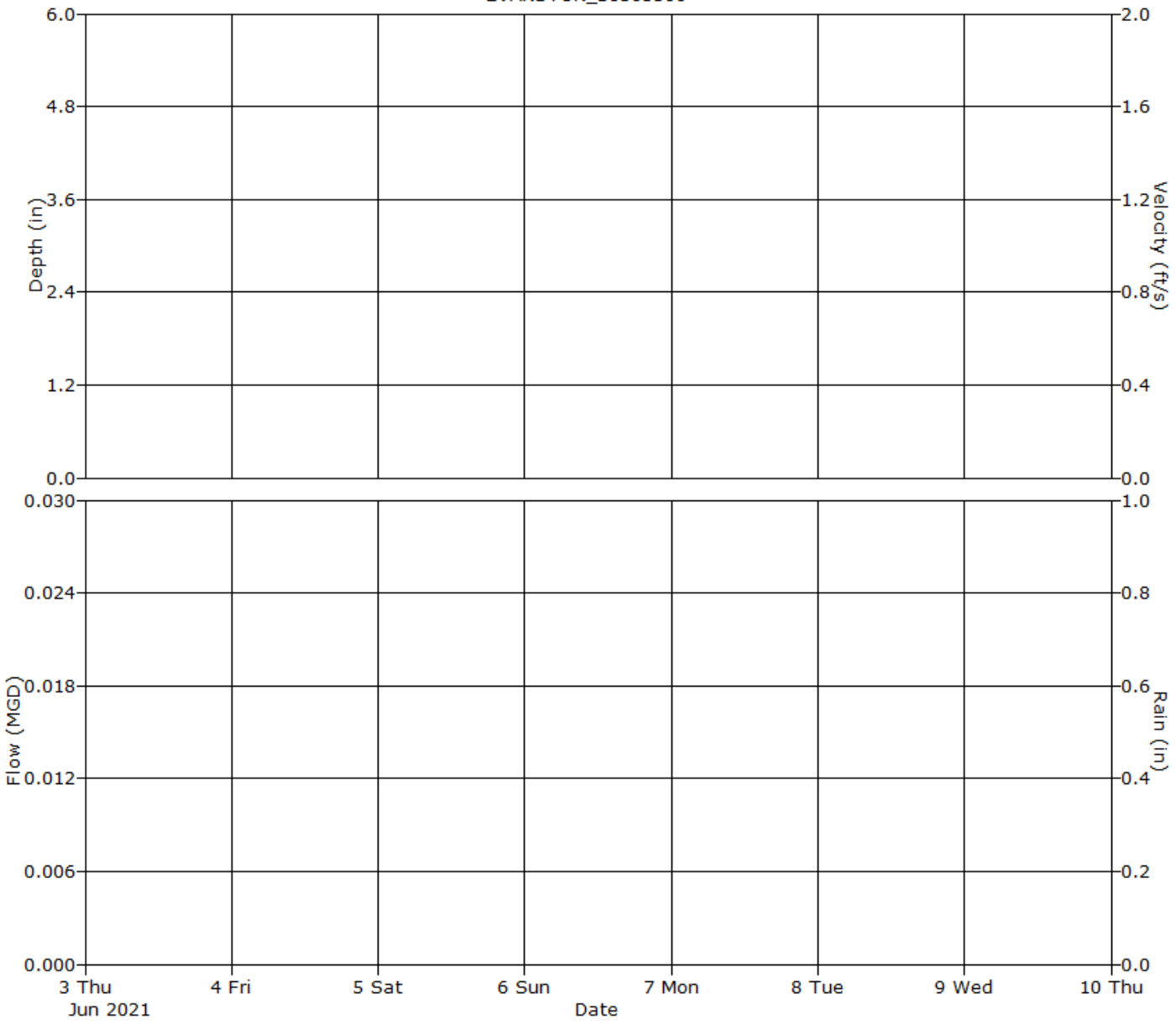


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



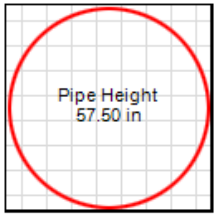
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

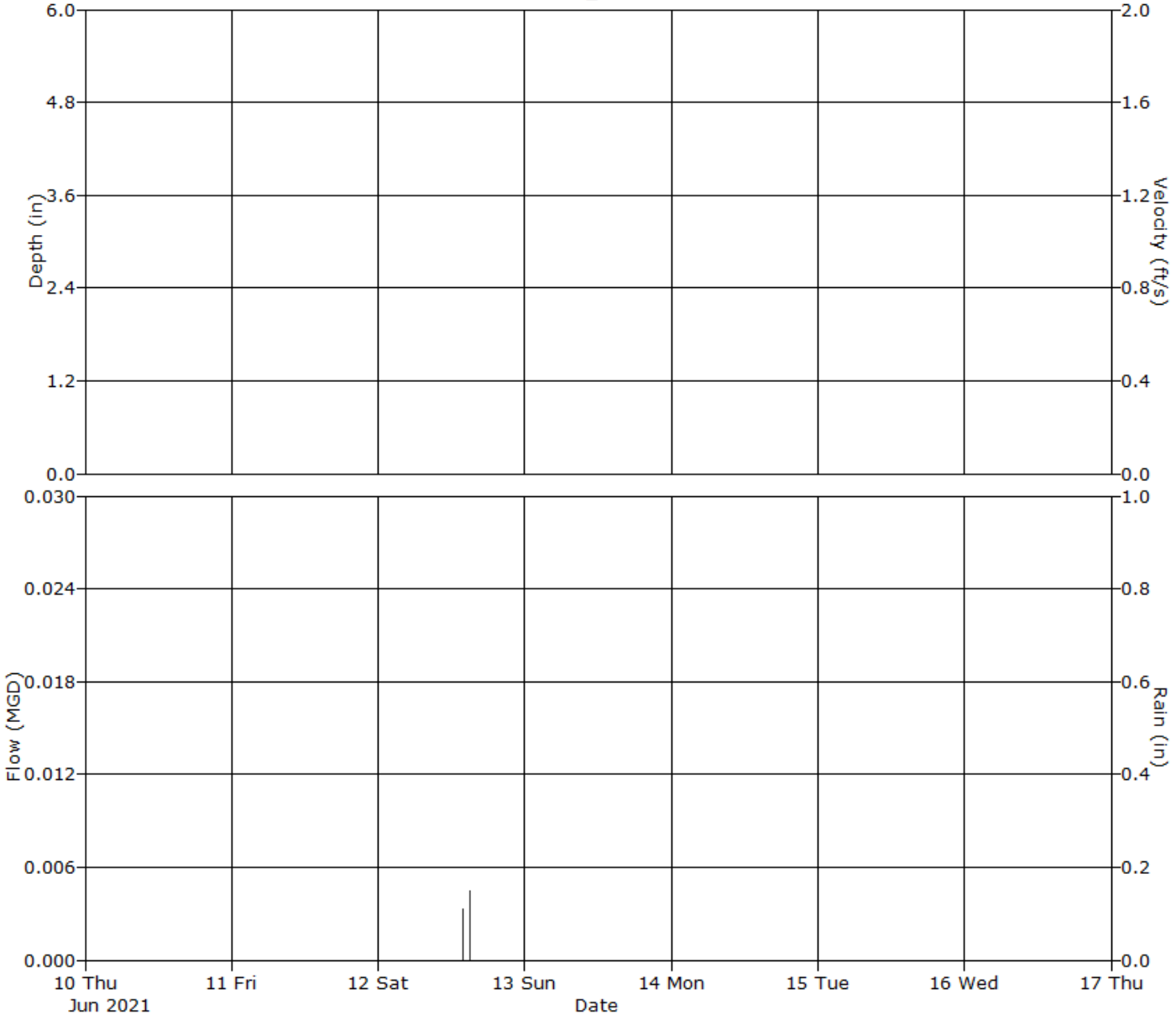


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



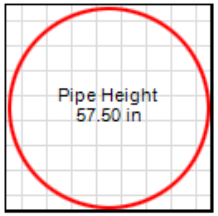
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

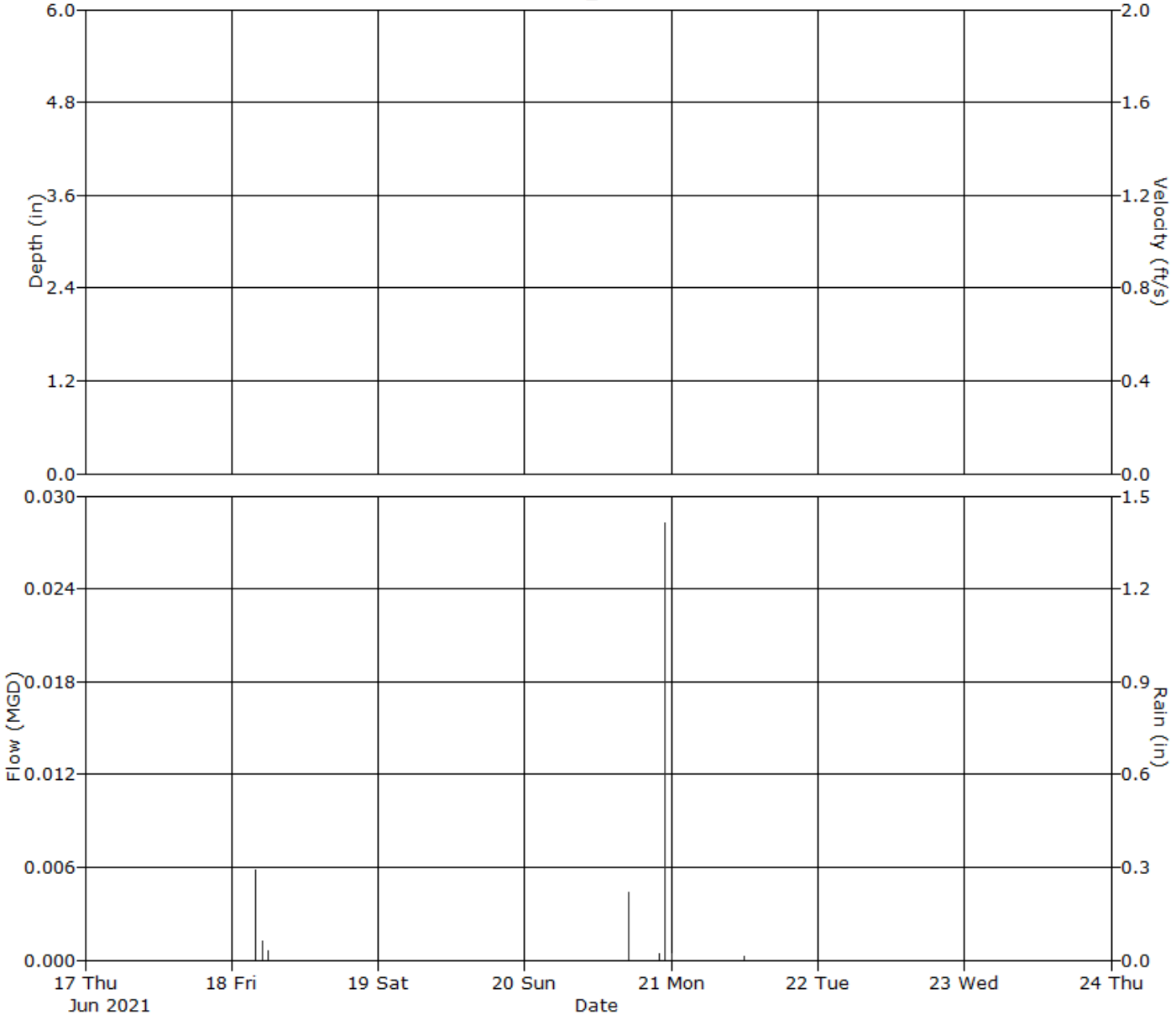


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



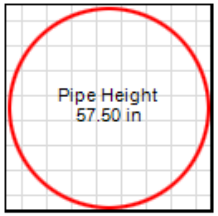
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

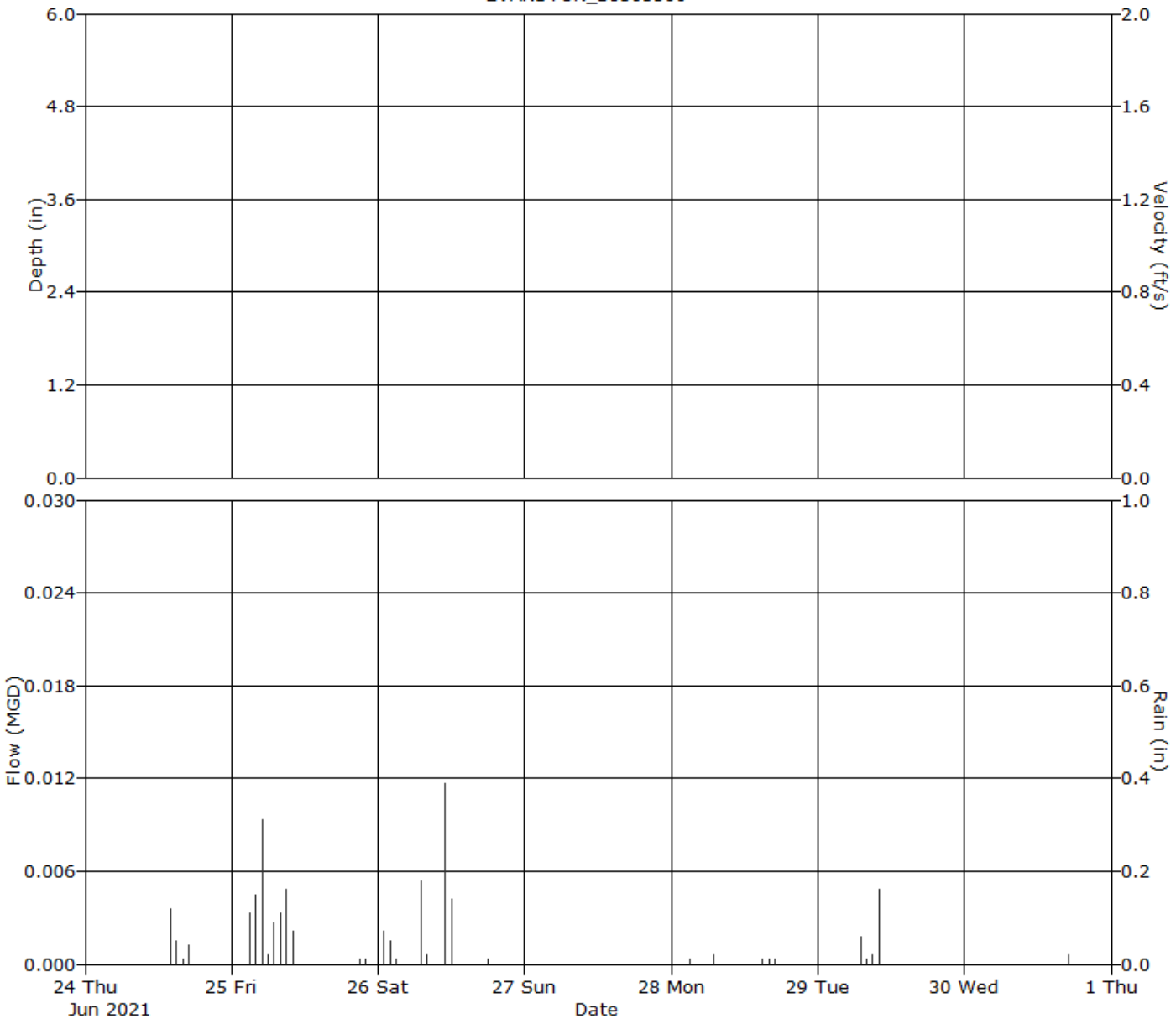


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



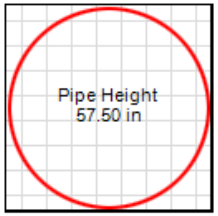
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

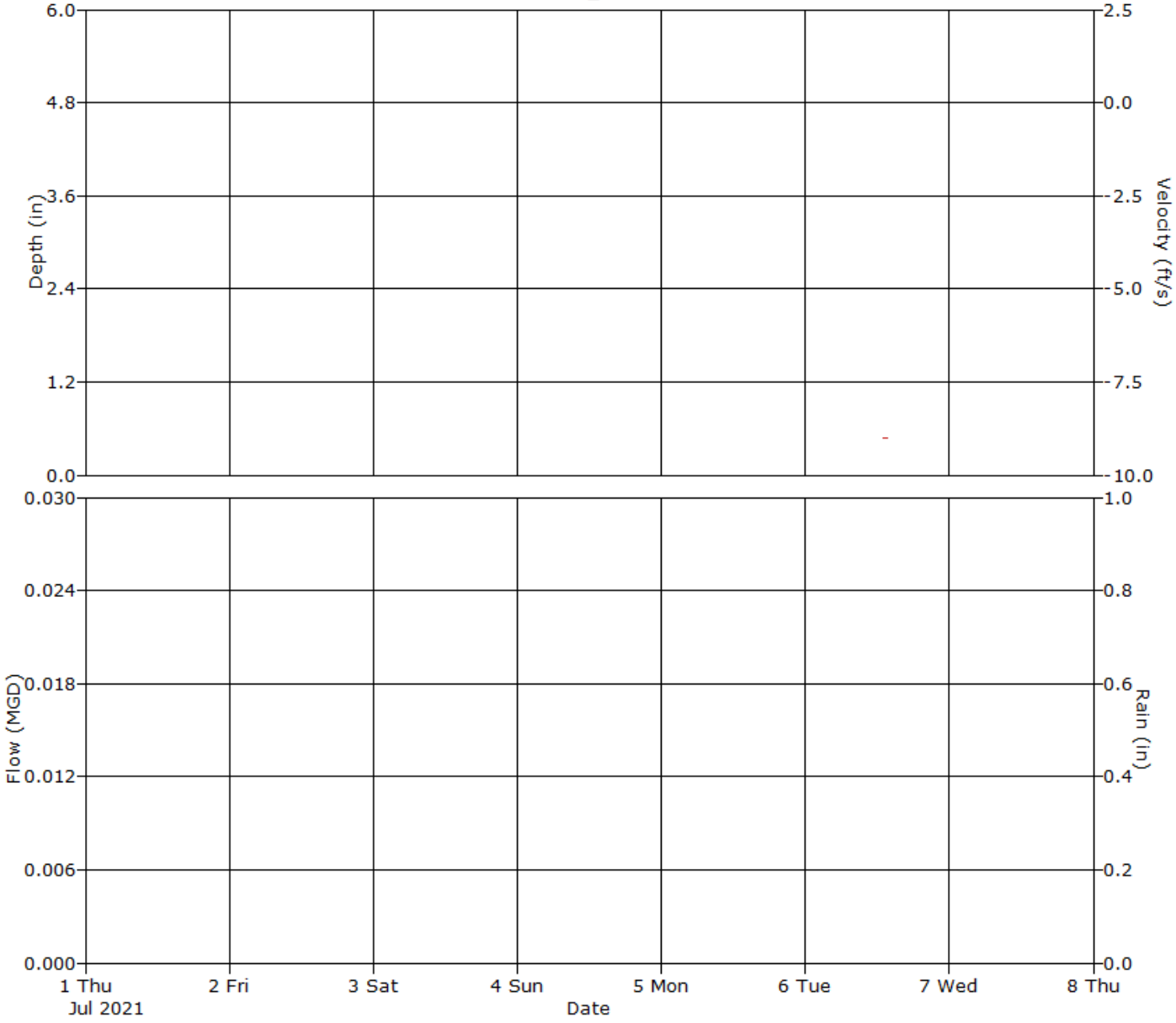


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



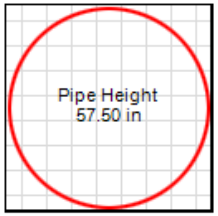
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

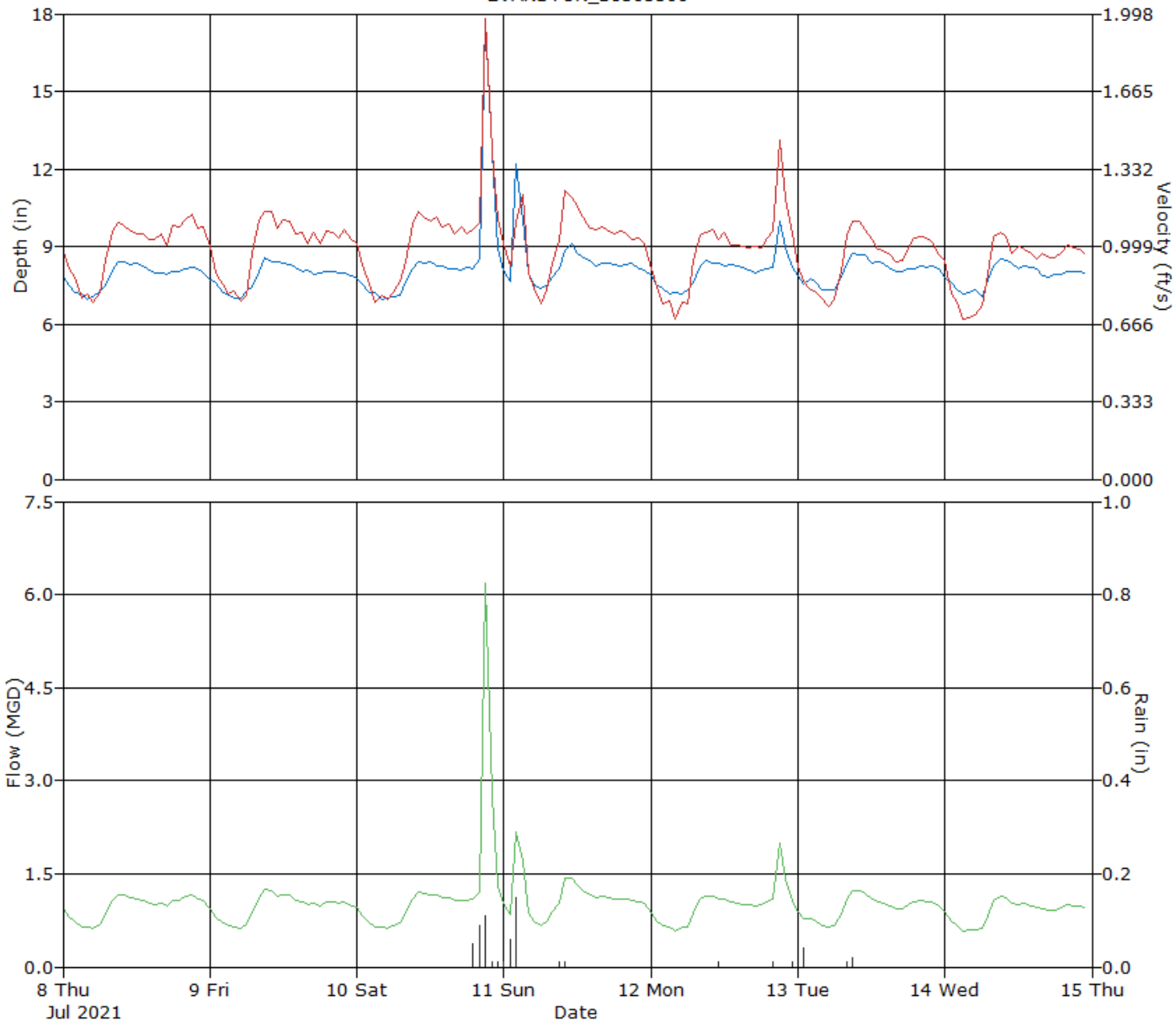


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



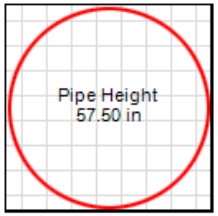
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

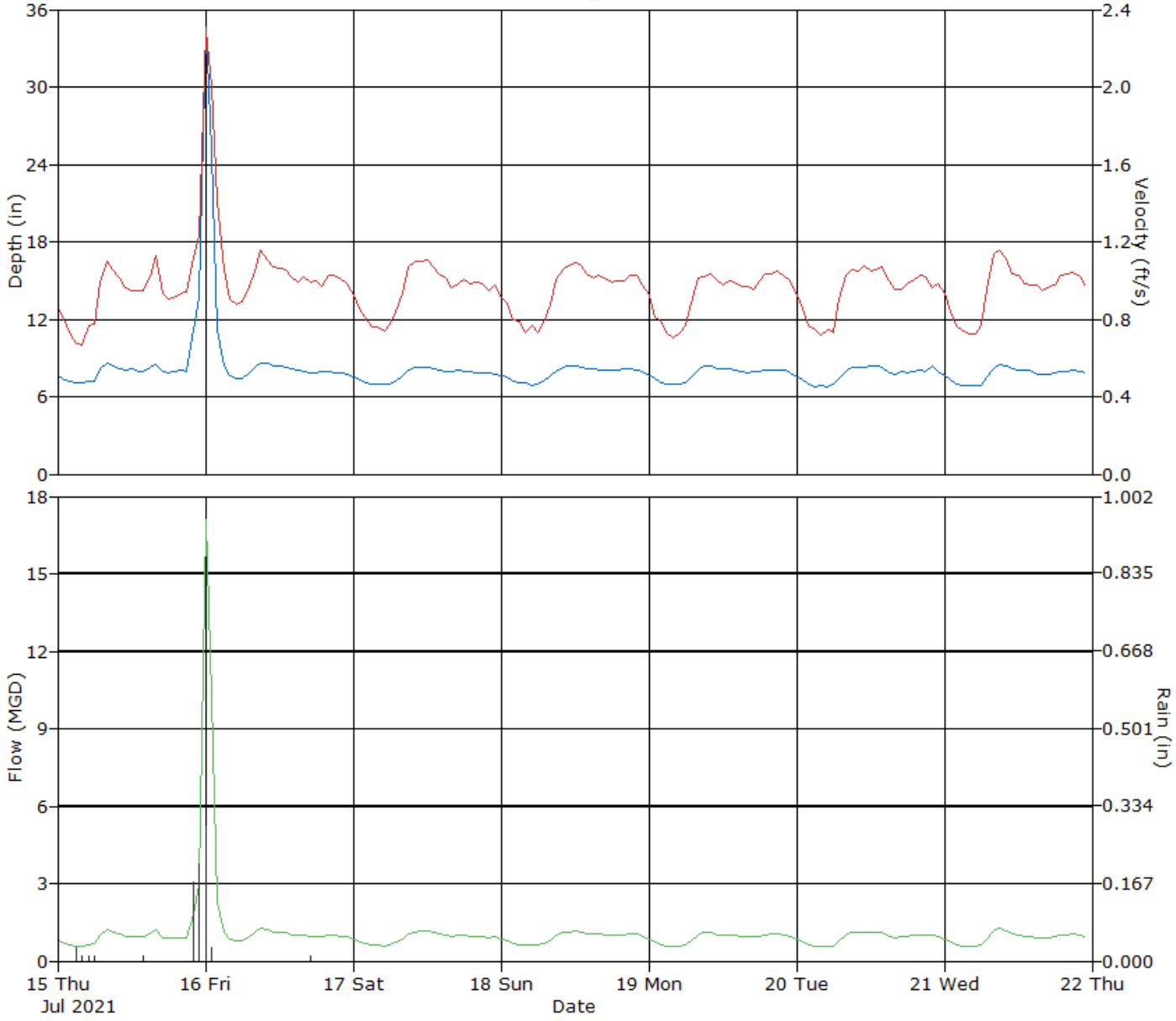


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

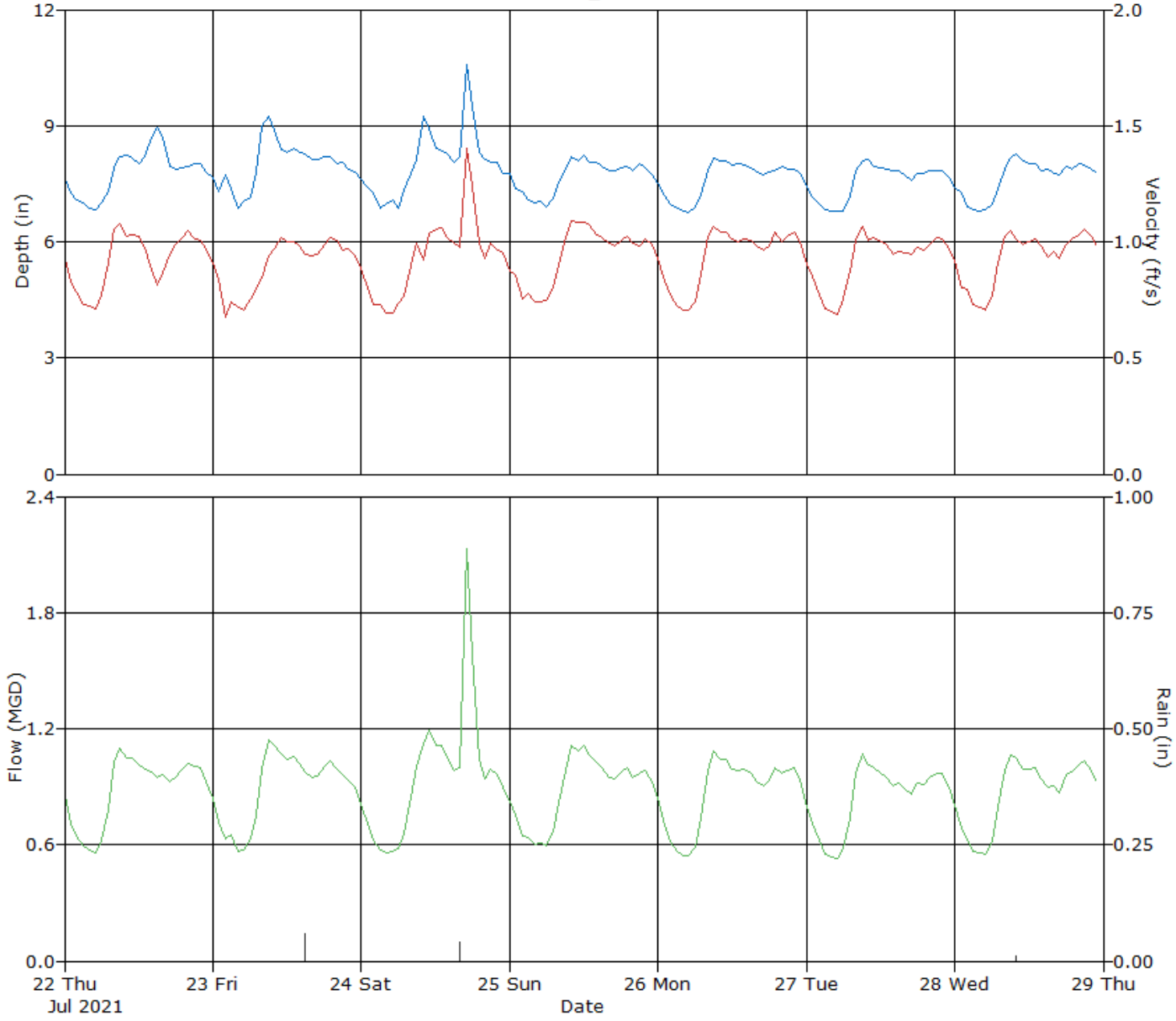
Pipe Height
57.50 in

Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



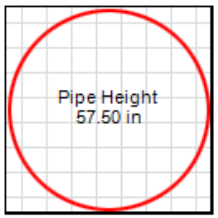
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

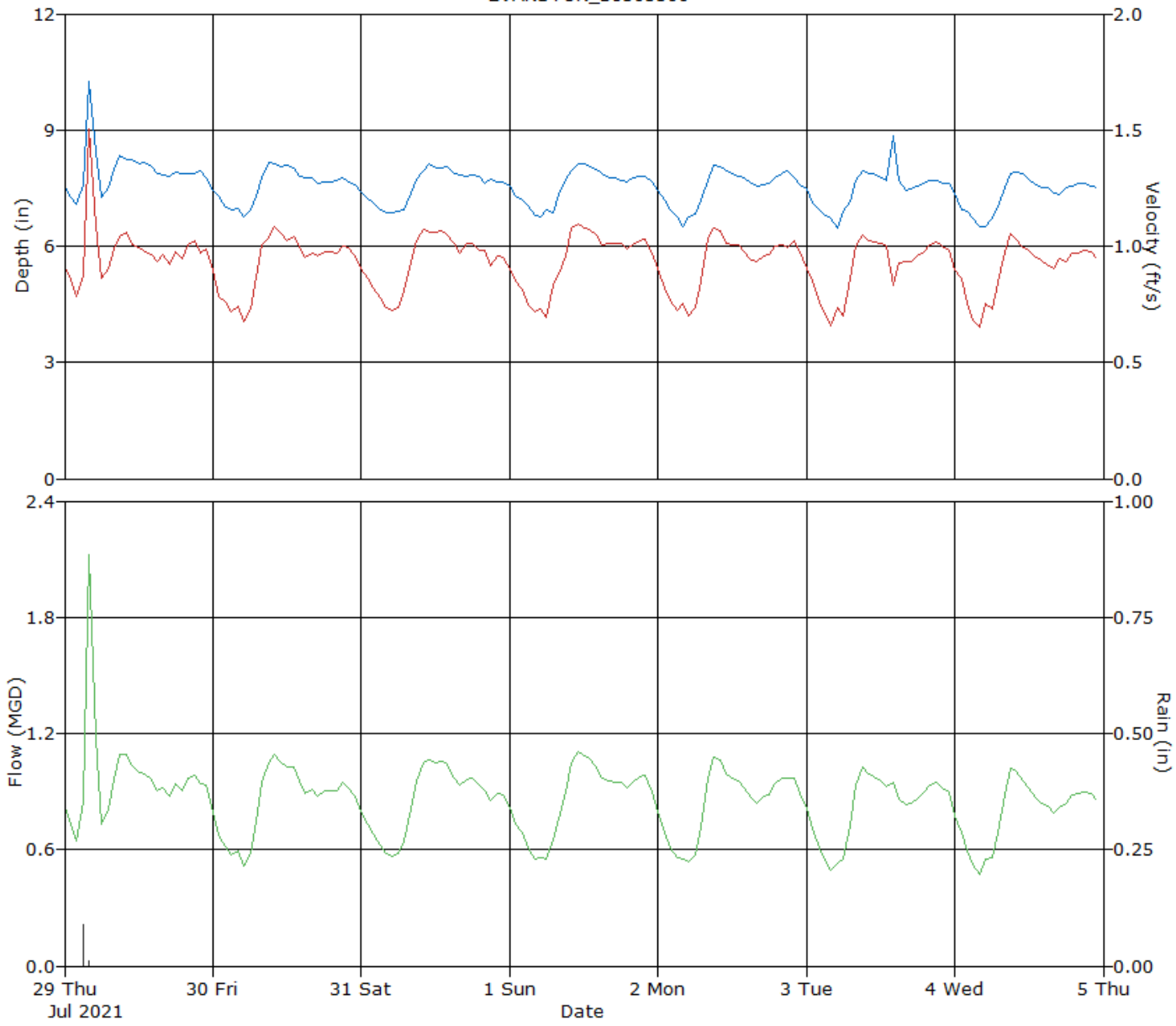


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



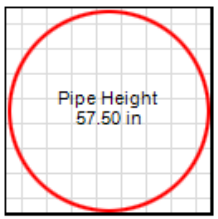
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

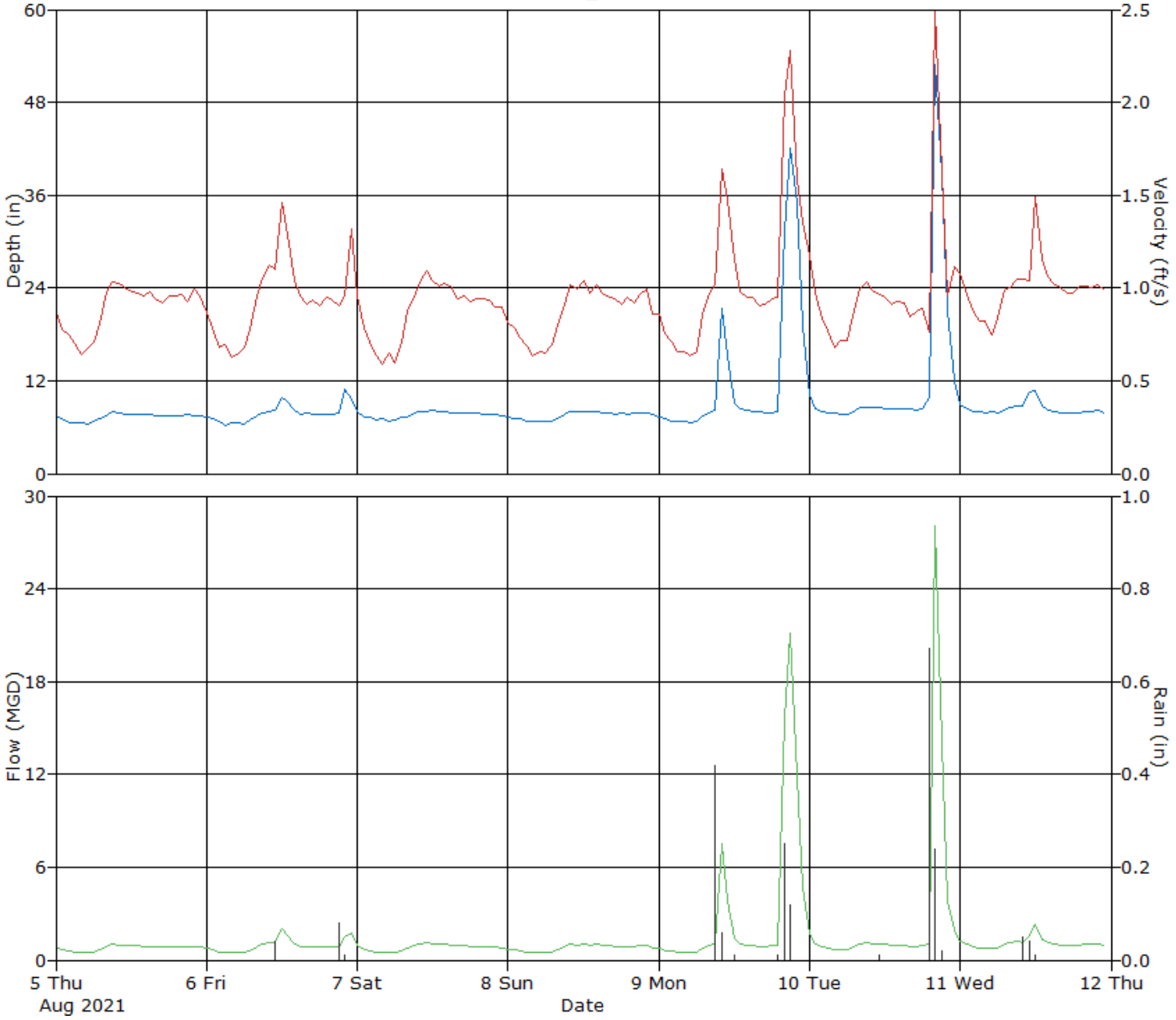


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



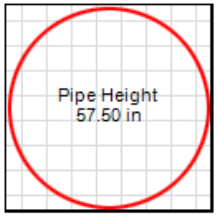
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

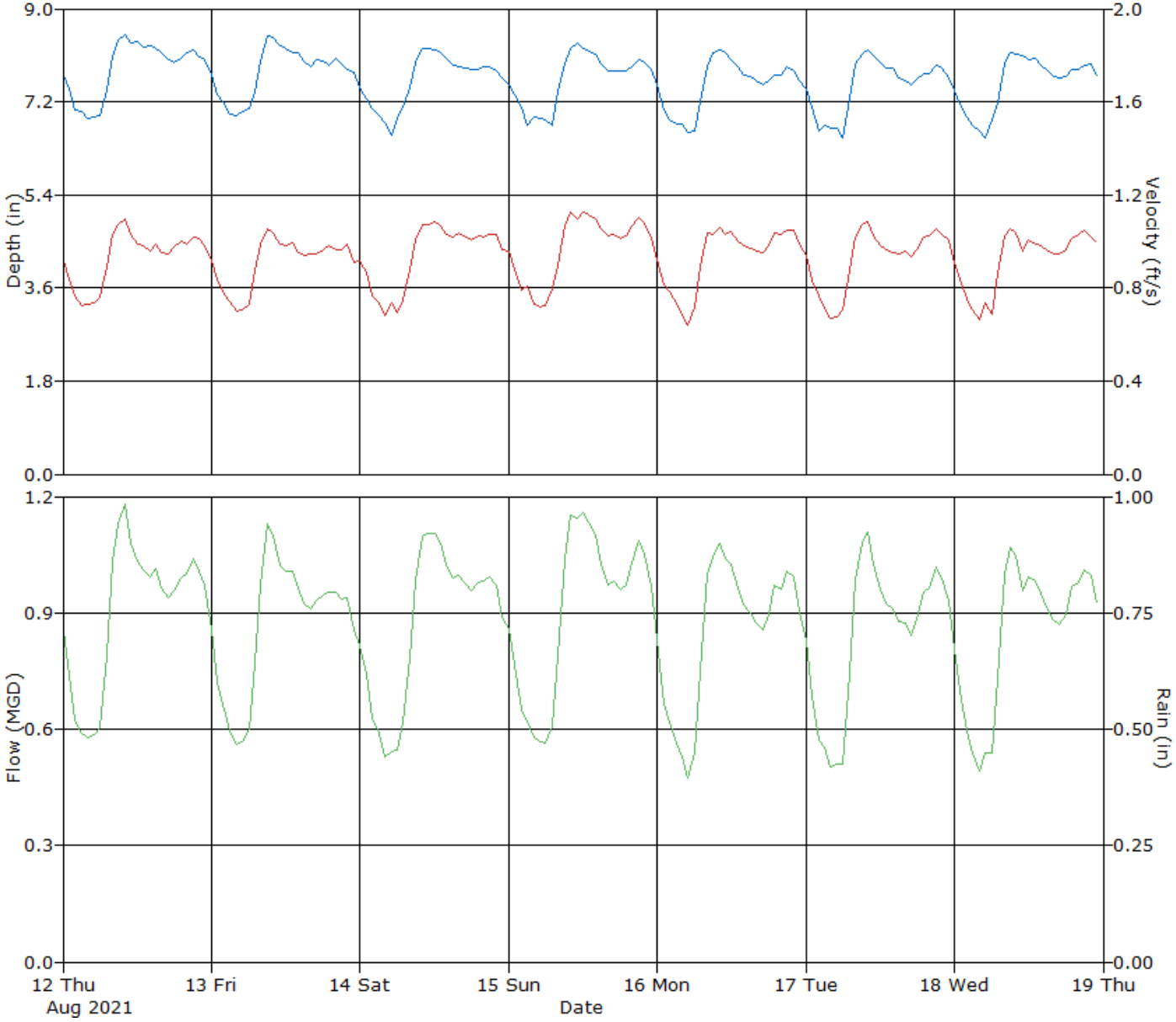


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



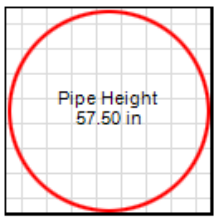
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

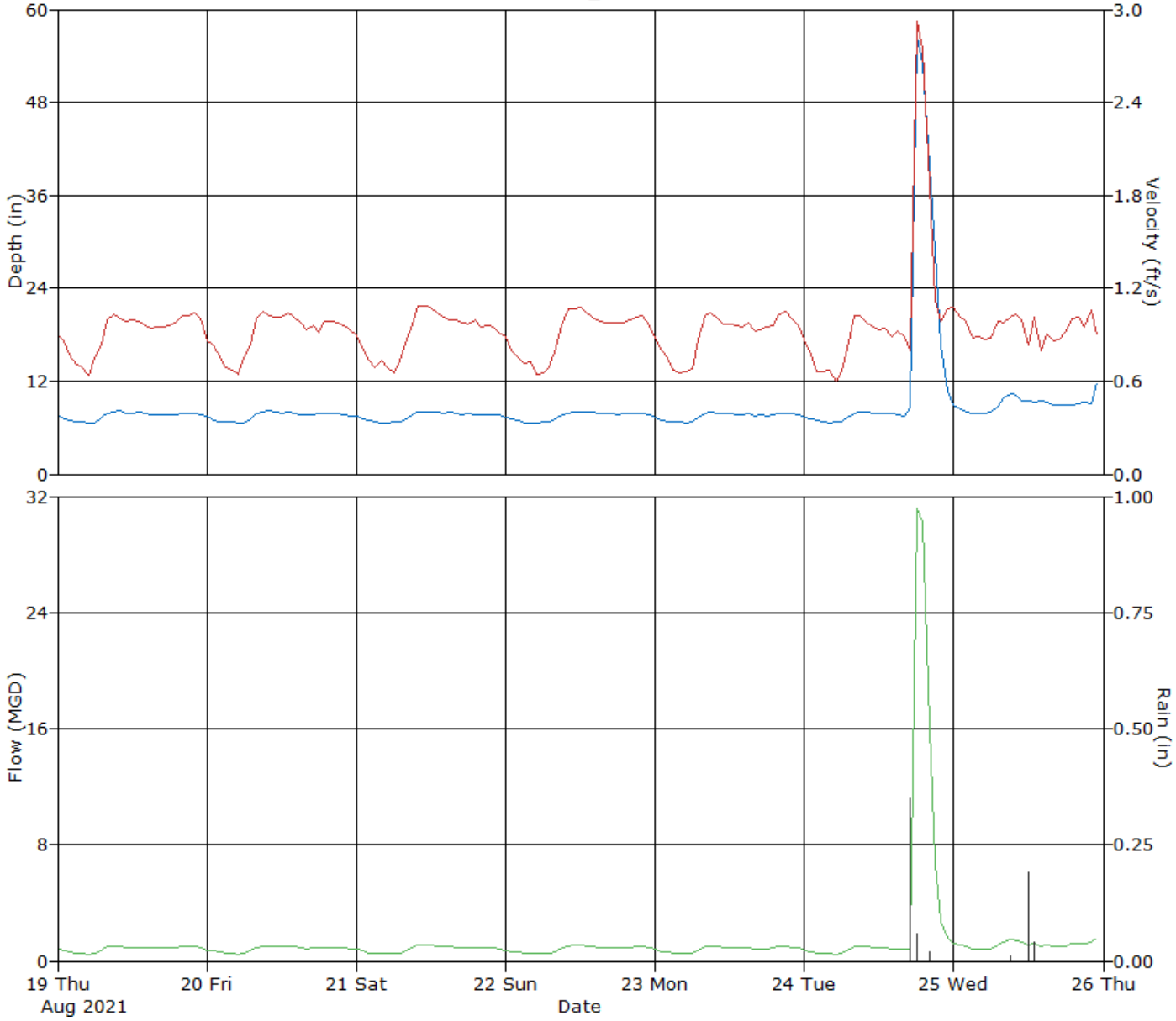


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



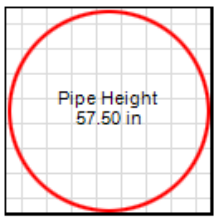
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8305500

Flow Monitor

EVANSTON_B8305500

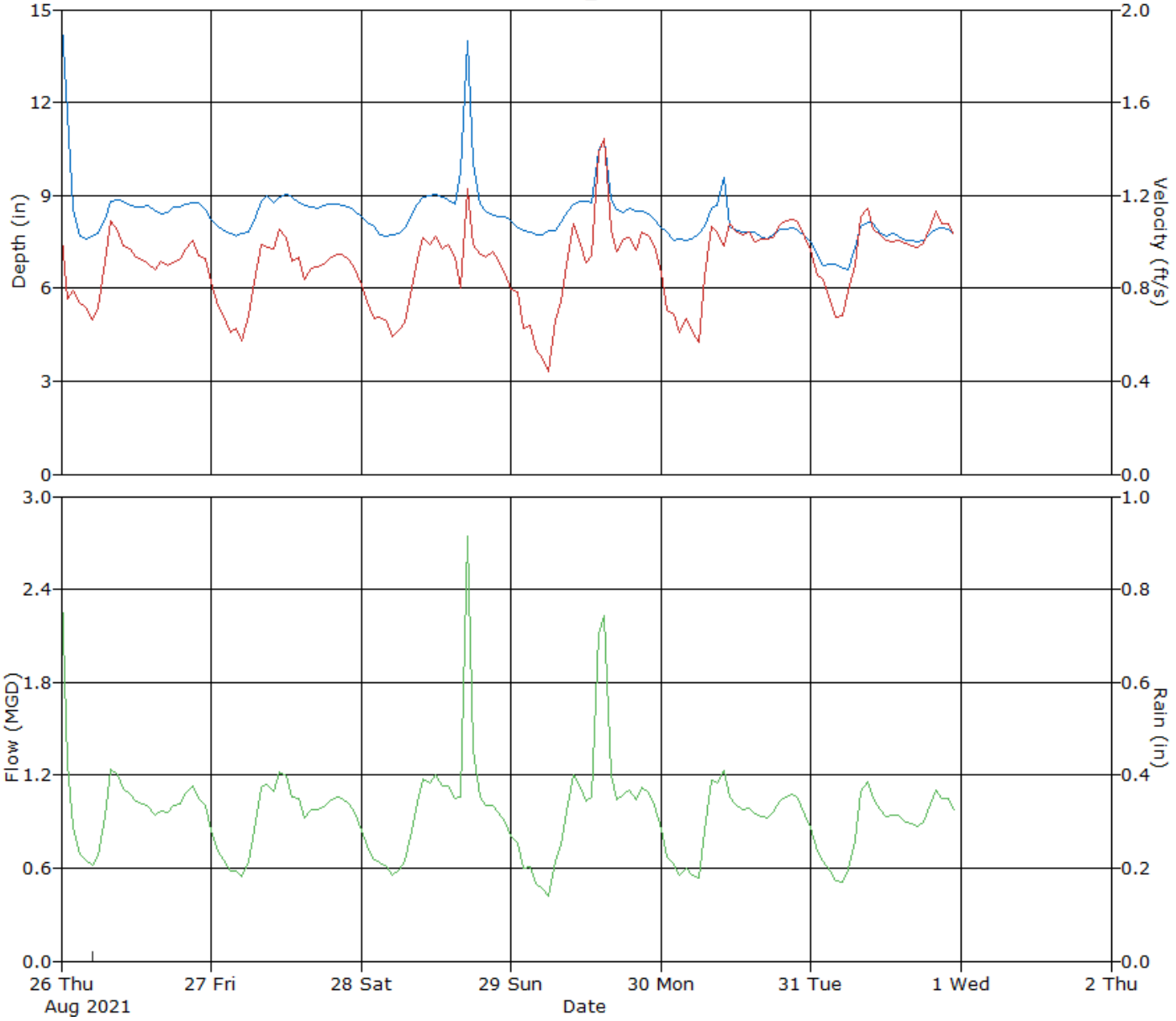


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.07
05/19/2021																	0.06
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.19
05/24/2021																	0.01
05/25/2021																	
05/26/2021																	0.45
05/27/2021																	0.03
05/28/2021																	0.15
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.26
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.65
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.22
06/25/2021																	1.04
06/26/2021																	0.87
06/27/2021																	
06/28/2021																	0.06
06/29/2021																	0.25
06/30/2021																	0.02
07/01/2021																	
07/02/2021																	
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021	13:00	-9.99	13:00	-9.99	-9.99	13:00	-8.99	13:00	-8.99	-8.99	13:00	0.000	13:00	0.000	0.000	0	
07/07/2021																	
07/08/2021	04:40	6.66	09:45	8.68	7.86	04:00	0.56	21:30	1.22	1.00	05:00	0.491	09:55	1.276	0.968	129342	
07/09/2021	04:50	6.68	09:05	8.72	7.85	03:30	0.57	10:00	1.23	1.00	05:10	0.501	09:55	1.331	0.968	129423	
07/10/2021	05:25	6.67	21:35	19.58	8.48	05:45	0.57	21:25	2.31	1.06	05:45	0.494	21:25	8.099	1.265	169102	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	07:20	7.10	02:35	13.99	8.43	02:10	0.47	02:45	1.53	1.03	06:35	0.462	02:40	3.338	1.125	150336	0.24
07/12/2021	05:25	6.80	21:30	10.49	8.05	03:45	0.54	21:25	1.63	0.98	04:25	0.476	21:25	2.303	0.992	132673	0.03
07/13/2021	04:50	6.91	11:00	9.04	8.06	05:45	0.55	09:15	1.21	0.95	05:40	0.495	09:15	1.364	0.954	127533	0.07
07/14/2021	06:45	6.67	10:05	8.68	7.87	05:00	0.47	09:45	1.16	0.92	04:05	0.433	09:45	1.255	0.892	119251	
07/15/2021	04:15	6.70	23:55	21.87	8.22	04:35	0.47	23:55	2.08	0.93	04:35	0.415	23:55	8.538	1.007	134558	0.45
07/16/2021	05:10	7.21	00:35	40.06	9.95	05:30	0.67	00:40	2.56	1.12	06:10	0.630	00:40	22.236	2.111	282261	0.33
07/17/2021	05:00	6.59	11:50	8.49	7.71	05:25	0.51	11:10	1.20	0.95	05:25	0.464	11:10	1.269	0.892	119277	
07/18/2021	05:50	6.57	12:35	8.64	7.80	05:00	0.48	11:00	1.16	0.95	05:00	0.439	12:45	1.234	0.908	121329	
07/19/2021	05:55	6.63	09:50	8.71	7.78	04:15	0.45	22:15	1.14	0.93	04:15	0.420	10:00	1.206	0.892	119198	
07/20/2021	05:50	6.42	12:15	8.70	7.75	05:00	0.47	12:25	1.16	0.94	05:00	0.401	12:25	1.251	0.900	120375	
07/21/2021	05:10	6.42	10:00	8.65	7.70	04:20	0.48	08:40	1.24	0.95	04:20	0.427	10:05	1.354	0.898	120105	
07/22/2021	05:25	6.53	15:45	9.10	7.82	04:45	0.47	09:30	1.16	0.92	04:45	0.421	09:25	1.199	0.886	118394	
07/23/2021	04:25	6.54	09:30	9.44	8.00	05:45	0.46	12:30	1.10	0.90	04:45	0.424	09:40	1.252	0.896	119754	0.06
07/24/2021	03:35	6.60	17:30	11.42	8.05	05:00	0.43	17:30	1.65	0.94	05:00	0.395	17:30	2.723	0.960	128345	0.04
07/25/2021	06:15	6.58	10:30	8.48	7.69	05:35	0.48	12:15	1.18	0.94	05:35	0.436	12:10	1.216	0.884	118215	
07/26/2021	05:05	6.43	09:10	8.41	7.62	04:25	0.46	09:20	1.15	0.94	05:30	0.405	09:15	1.203	0.871	116385	
07/27/2021	04:05	6.41	10:05	8.40	7.56	04:30	0.44	09:25	1.12	0.92	05:25	0.385	09:25	1.158	0.842	112510	
07/28/2021	03:55	6.43	10:50	8.51	7.64	05:20	0.46	21:30	1.14	0.93	05:20	0.402	10:15	1.196	0.866	115831	0.01
07/29/2021	03:05	6.68	04:25	10.57	7.95	03:30	0.46	04:35	1.56	0.98	03:30	0.423	04:25	2.303	0.974	130271	0.10
07/30/2021	05:25	6.43	12:00	8.37	7.58	05:50	0.45	12:10	1.14	0.92	05:50	0.405	12:10	1.165	0.850	113583	
07/31/2021	05:10	6.54	14:25	8.37	7.56	05:35	0.49	11:25	1.17	0.93	05:35	0.431	11:25	1.195	0.856	114364	
08/01/2021	05:35	6.52	12:40	8.31	7.56	06:00	0.47	11:05	1.18	0.94	06:55	0.421	11:05	1.215	0.863	115300	
08/02/2021	04:45	6.35	09:35	8.37	7.51	06:30	0.50	08:50	1.16	0.93	05:10	0.423	09:45	1.188	0.841	112411	
08/03/2021	05:50	6.30	14:25	10.05	7.49	04:45	0.46	14:30	1.19	0.91	04:45	0.379	14:30	1.632	0.822	109829	
08/04/2021	06:00	6.24	11:40	8.24	7.35	04:55	0.44	10:00	1.13	0.90	04:55	0.384	10:00	1.142	0.793	105980	
08/05/2021	04:20	6.13	09:30	8.27	7.33	06:05	0.40	08:50	1.12	0.89	04:45	0.342	09:40	1.121	0.785	104960	
08/06/2021	03:55	6.11	12:45	11.21	7.81	04:25	0.40	12:35	1.79	0.94	04:25	0.341	12:35	2.833	0.939	125476	0.13
08/07/2021	06:00	6.34	12:35	8.34	7.61	04:40	0.36	13:20	1.16	0.88	04:40	0.308	12:15	1.166	0.816	109064	
08/08/2021	06:00	6.28	13:10	8.38	7.50	04:40	0.38	12:35	1.11	0.87	04:40	0.329	12:35	1.113	0.791	105678	
08/09/2021	06:05	6.17	21:10	48.48	12.54	10:10	0.33	20:50	2.98	1.08	05:15	0.336	20:45	28.030	3.300	441096	0.87
08/10/2021	05:25	7.46	20:20	62.58	12.20	19:50	0.38	20:25	3.15	1.00	04:30	0.478	20:25	37.068	2.794	373442	0.94
08/11/2021	18:05	7.61	11:30	11.97	8.36	11:30	0.56	12:05	1.65	1.00	05:40	0.567	12:05	2.820	1.070	143023	0.10
08/12/2021	06:05	6.52	10:15	8.77	7.85	04:35	0.47	10:35	1.17	0.93	04:35	0.352	10:25	1.270	0.905	120914	
08/13/2021	05:00	6.57	10:30	8.76	7.78	03:00	0.50	09:50	1.12	0.91	04:10	0.443	09:50	1.226	0.870	116291	
08/14/2021	05:40	6.39	10:30	8.61	7.62	04:45	0.44	12:50	1.15	0.94	04:45	0.390	10:40	1.212	0.872	116511	
08/15/2021	06:10	6.43	11:50	8.59	7.63	05:20	0.50	12:10	1.20	0.97	05:20	0.445	12:55	1.279	0.907	121239	
08/16/2021	05:15	6.23	10:50	8.60	7.52	05:50	0.45	09:20	1.16	0.93	05:45	0.396	10:05	1.195	0.850	113611	
08/17/2021	05:05	6.21	09:55	8.56	7.51	05:35	0.43	21:25	1.17	0.93	05:35	0.374	10:05	1.205	0.843	112679	
08/18/2021	05:45	6.27	09:20	8.44	7.57	04:55	0.41	21:25	1.14	0.92	04:55	0.362	10:25	1.185	0.848	113351	
08/19/2021	05:25	6.24	14:25	8.41	7.52	05:55	0.39	21:15	1.14	0.92	05:55	0.347	10:10	1.138	0.834	111503	
08/20/2021	05:20	6.21	10:00	8.52	7.51	03:25	0.40	09:10	1.13	0.91	03:25	0.356	09:10	1.166	0.828	110713	
08/21/2021	06:05	6.21	11:30	8.48	7.47	03:55	0.42	11:40	1.16	0.91	05:10	0.359	10:45	1.192	0.821	109711	
08/22/2021	04:50	6.22	11:30	8.42	7.46	05:20	0.40	12:25	1.16	0.91	05:20	0.349	12:25	1.189	0.819	109524	
08/23/2021	05:10	6.28	09:30	8.39	7.47	04:25	0.39	21:35	1.15	0.90	04:25	0.346	09:40	1.151	0.815	108905	
08/24/2021	04:40	6.18	18:45	70.70	14.14	17:55	0.28	18:20	3.71	1.07	06:00	0.340	18:20	43.648	4.257	569114	0.43
08/25/2021	05:50	7.77	23:55	14.61	9.08	23:25	0.46	00:25	1.19	0.95	03:55	0.698	23:55	2.484	1.125	150380	0.24
08/26/2021	04:40	7.53	00:15	15.14	8.84	05:10	0.46	08:45	1.18	0.90	05:10	0.430	00:15	2.713	1.039	138871	0.02
08/27/2021	04:45	7.56	12:00	9.28	8.47	03:40	0.39	11:35	1.16	0.86	03:40	0.371	12:10	1.391	0.927	123963	
08/28/2021	04:05	7.60	17:20	14.90	8.74	05:35	0.46	17:10	1.53	0.86	05:30	0.438	17:10	3.647	1.003	134019	
08/29/2021	04:25	7.57	14:55	12.17	8.50	05:50	0.35	14:45	1.75	0.89	05:50	0.333	14:45	3.151	1.000	133627	
08/30/2021	04:50	7.40	10:15	11.60	7.93	06:15	0.37	10:20	1.34	0.93	06:15	0.351	10:20	2.196	0.905	121011	
08/31/2021	05:20	6.34	10:05	8.40	7.50	05:50	0.44	20:50	1.22	0.96	05:50	0.394	09:15	1.258	0.875	116931	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			7861544	11.39
Avg	8.15	0.94	1.069	

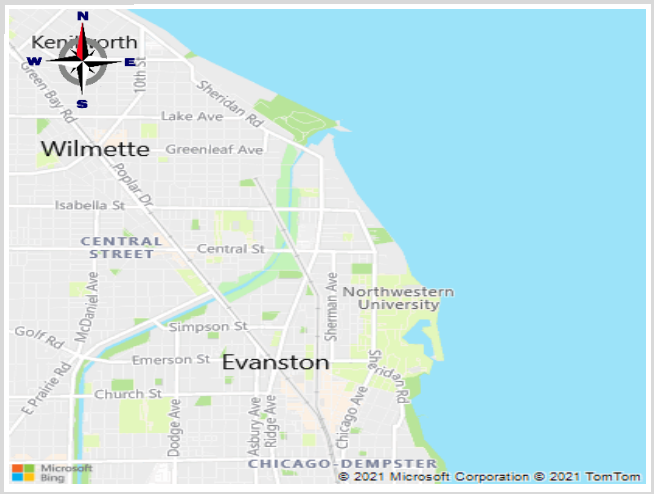
Evanston, IL

Flow Monitoring Site Report

SITE NAME

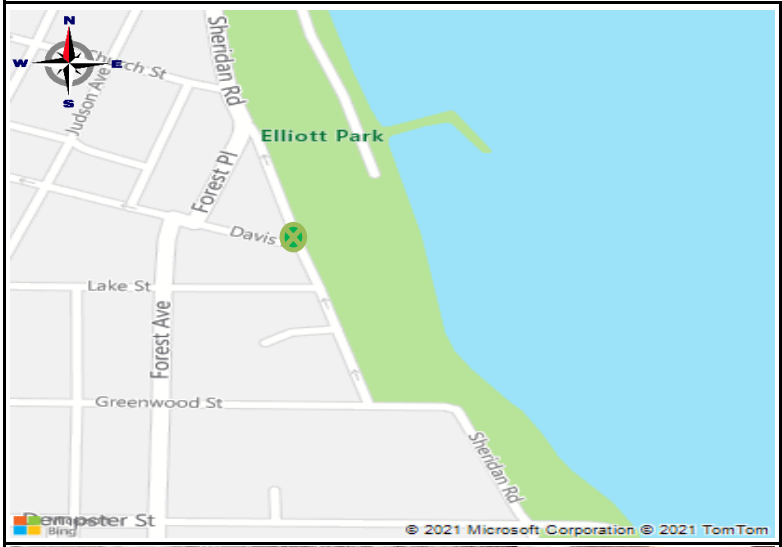
B8405000

Site Address /Location:	Intersection Sheridan St. and Davis St.			Monitor Series	Location Type
				ATT Triton+ WWM	Temporary
Site Access Details:	in road	Latitude:	42.044514	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.67331	44.5 x 44.5	Circular



Manhole #	System Characteristics
B84_05100	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, July 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
10:43:00 AM	44.5 x 44.5
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
7.50	35.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.92	0
Silt (in)	Silt Type
0	
Hydraulic Comments:	
Fair	

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
16.7	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
Yes, Inside	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

Upstream N	Downstream	Upstream NW
		
Upstream NW dropping in		
		

SCATTERGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

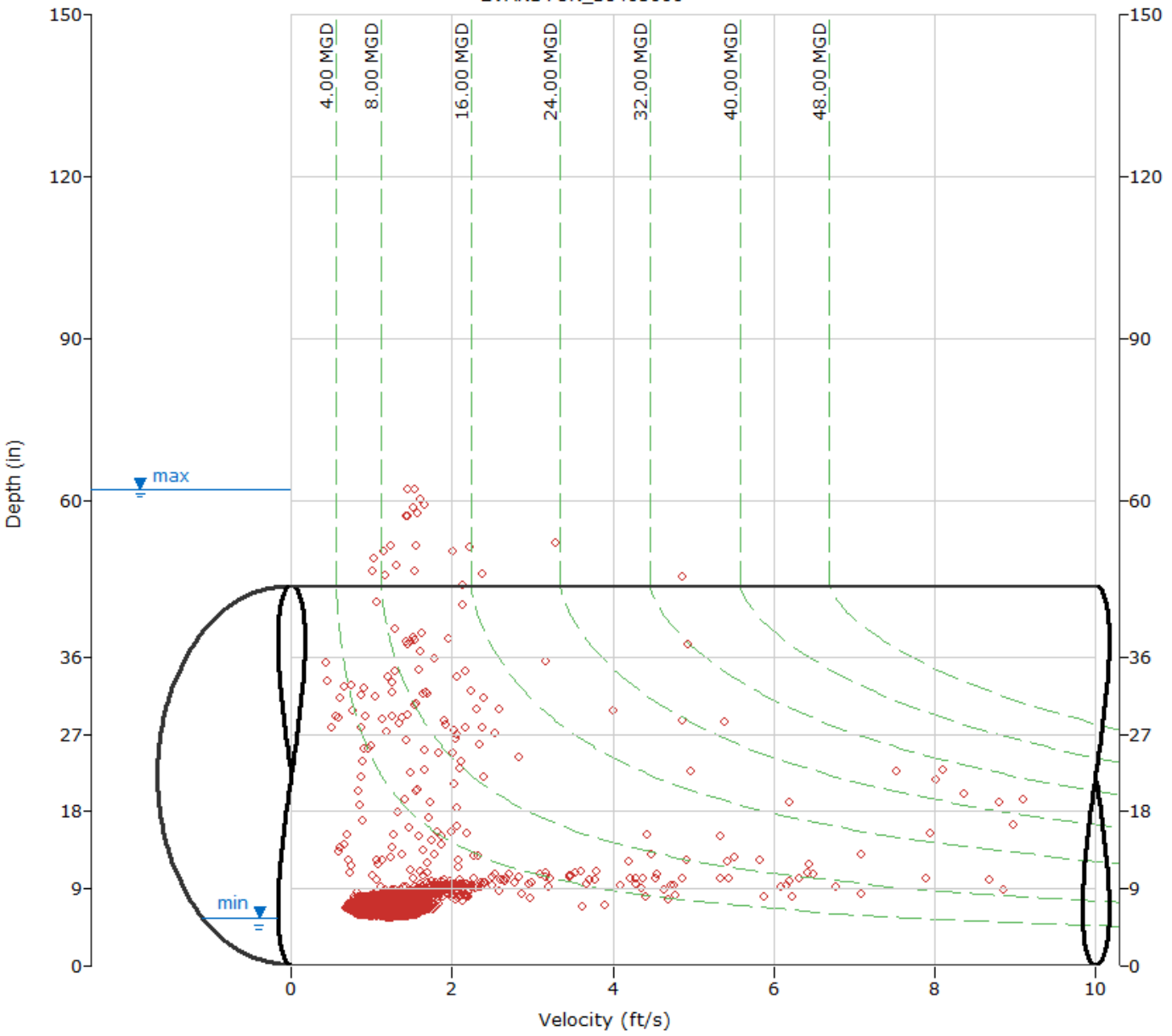
Pipe Height
44.50 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



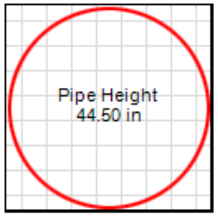
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

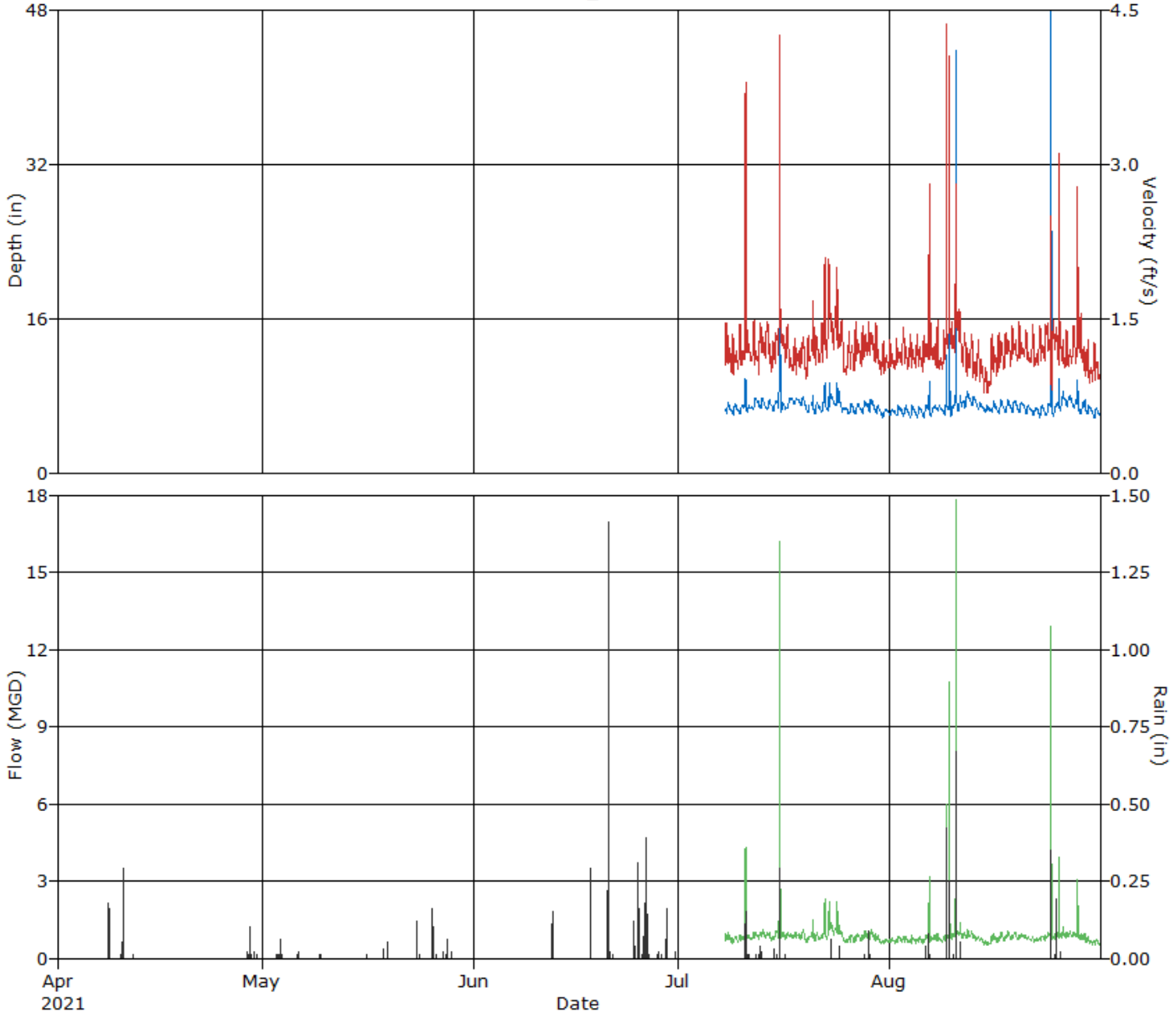


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



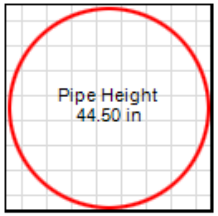
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

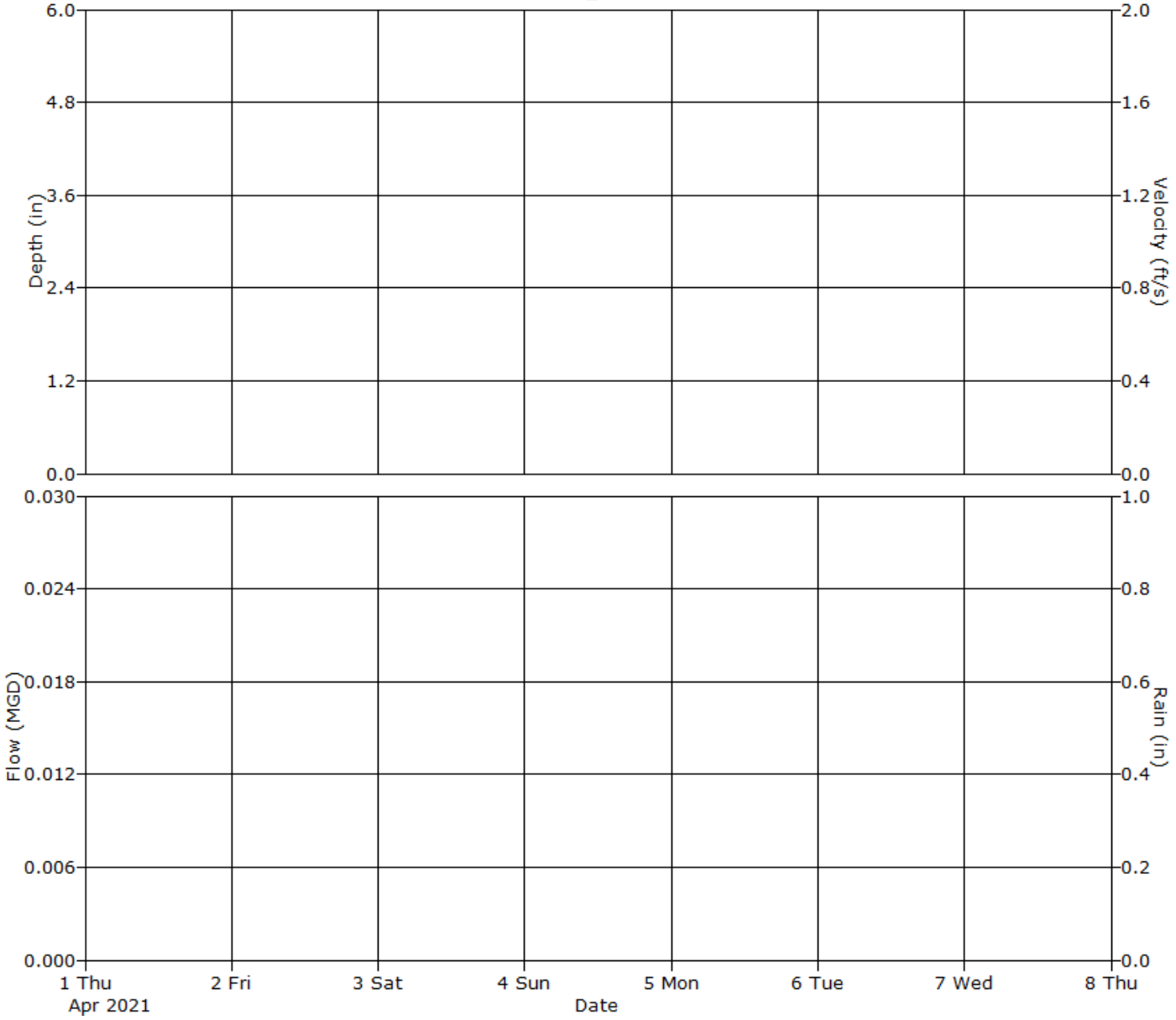


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



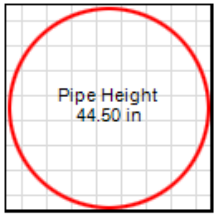
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

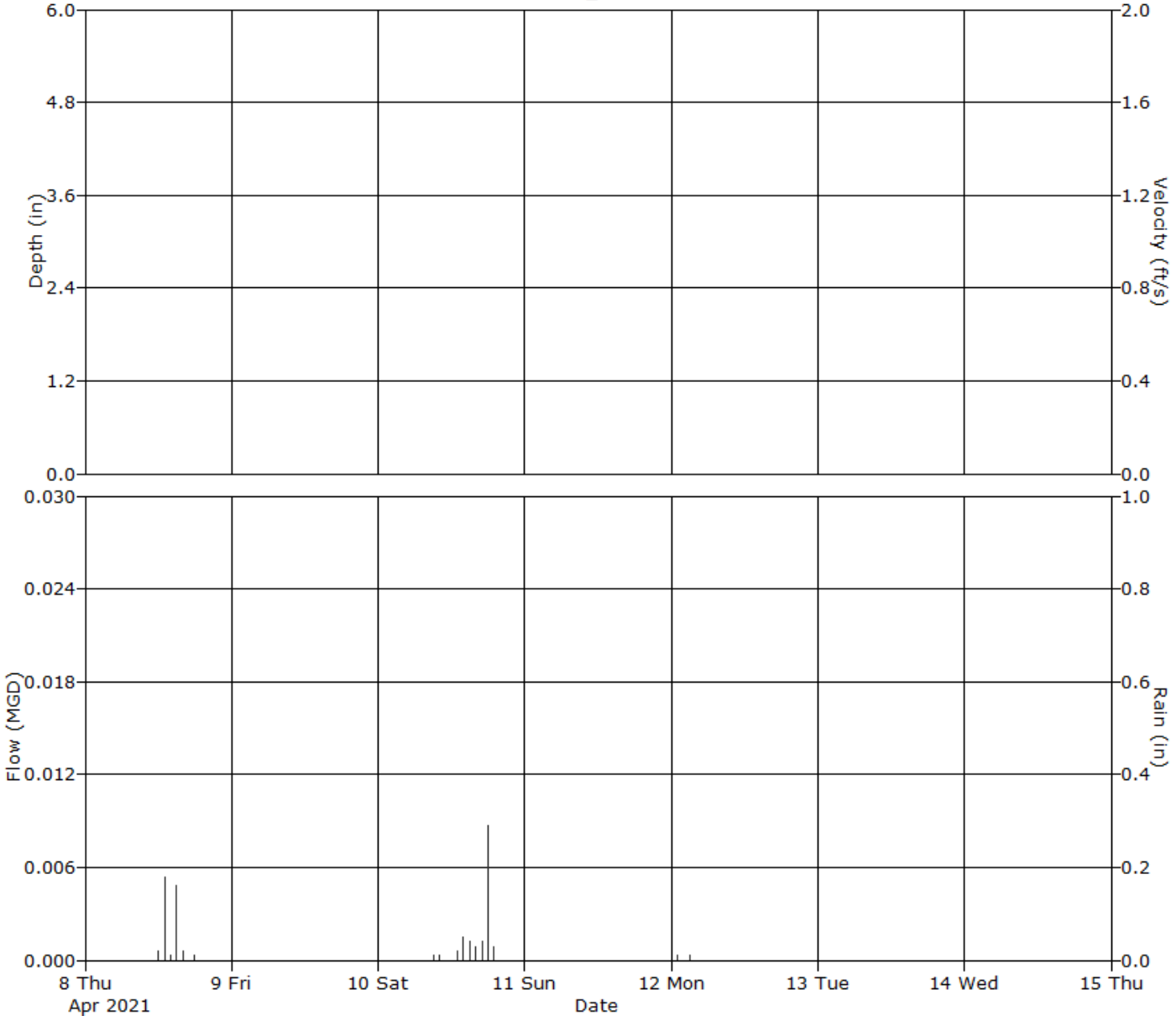


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



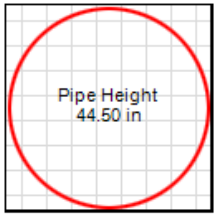
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

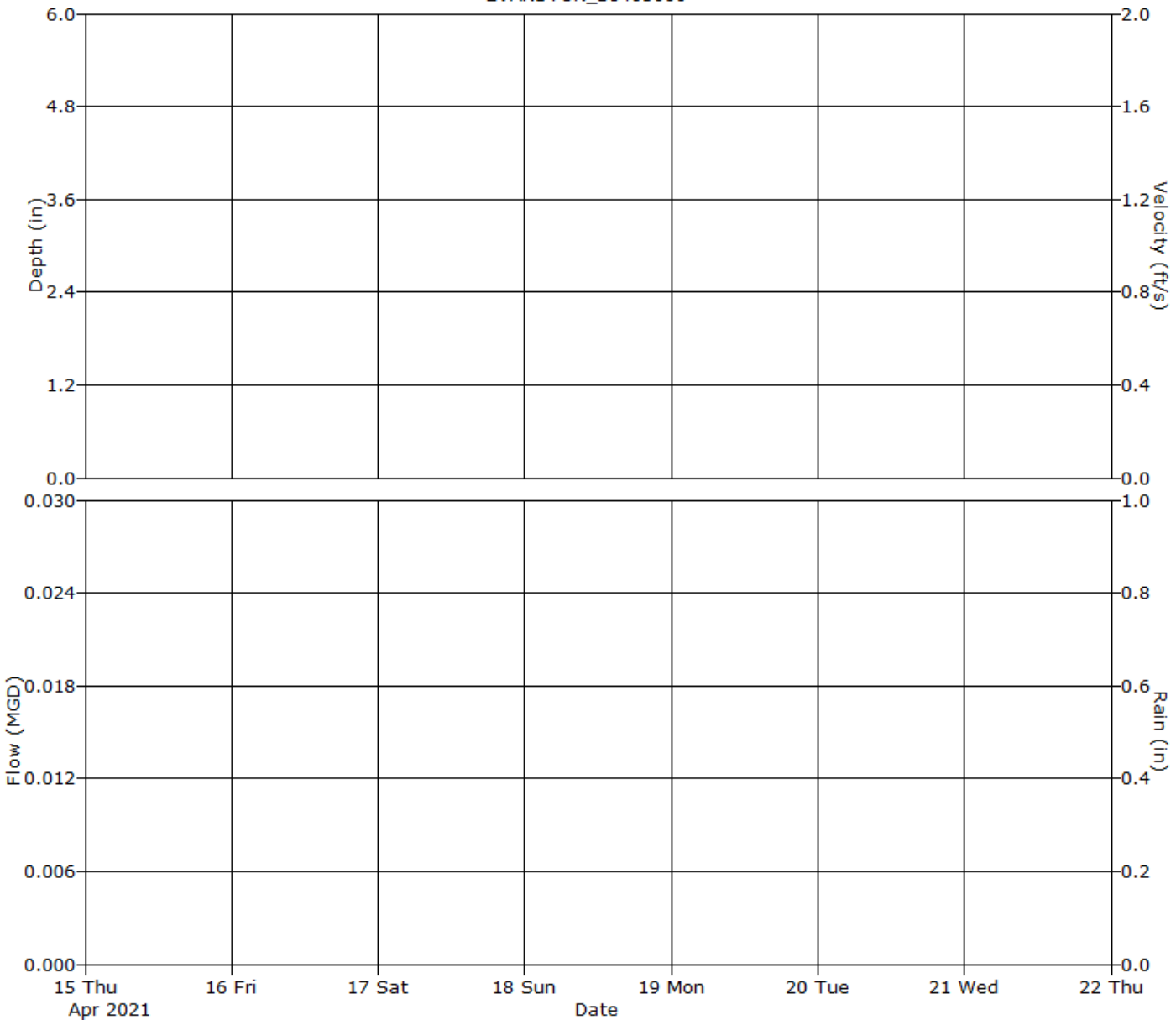


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



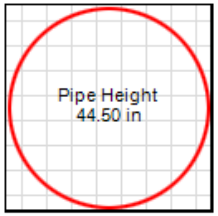
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

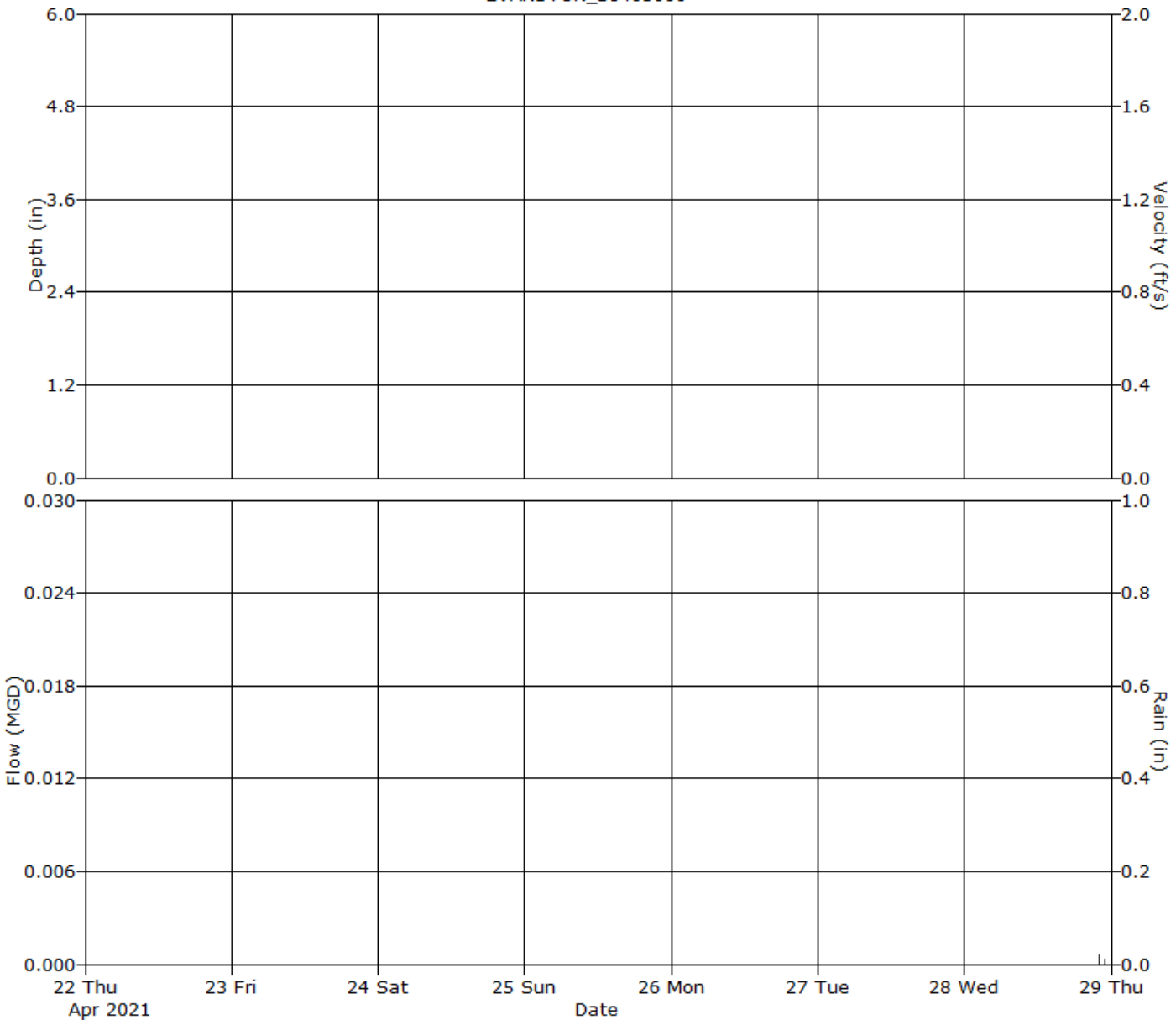


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



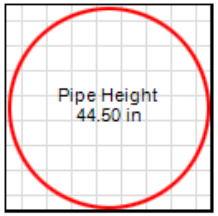
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

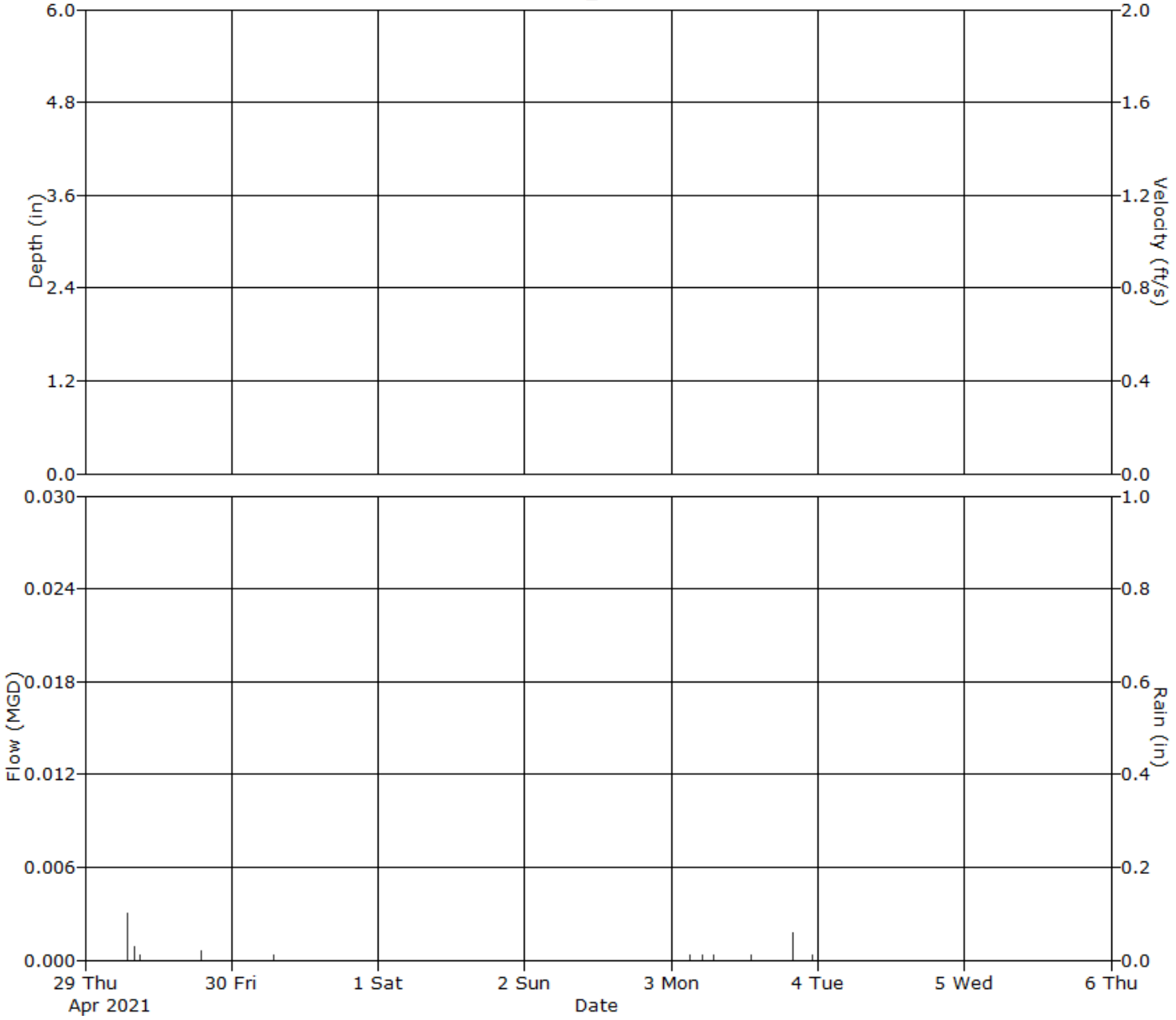


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



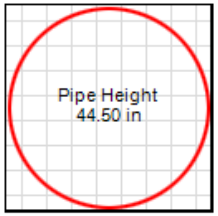
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

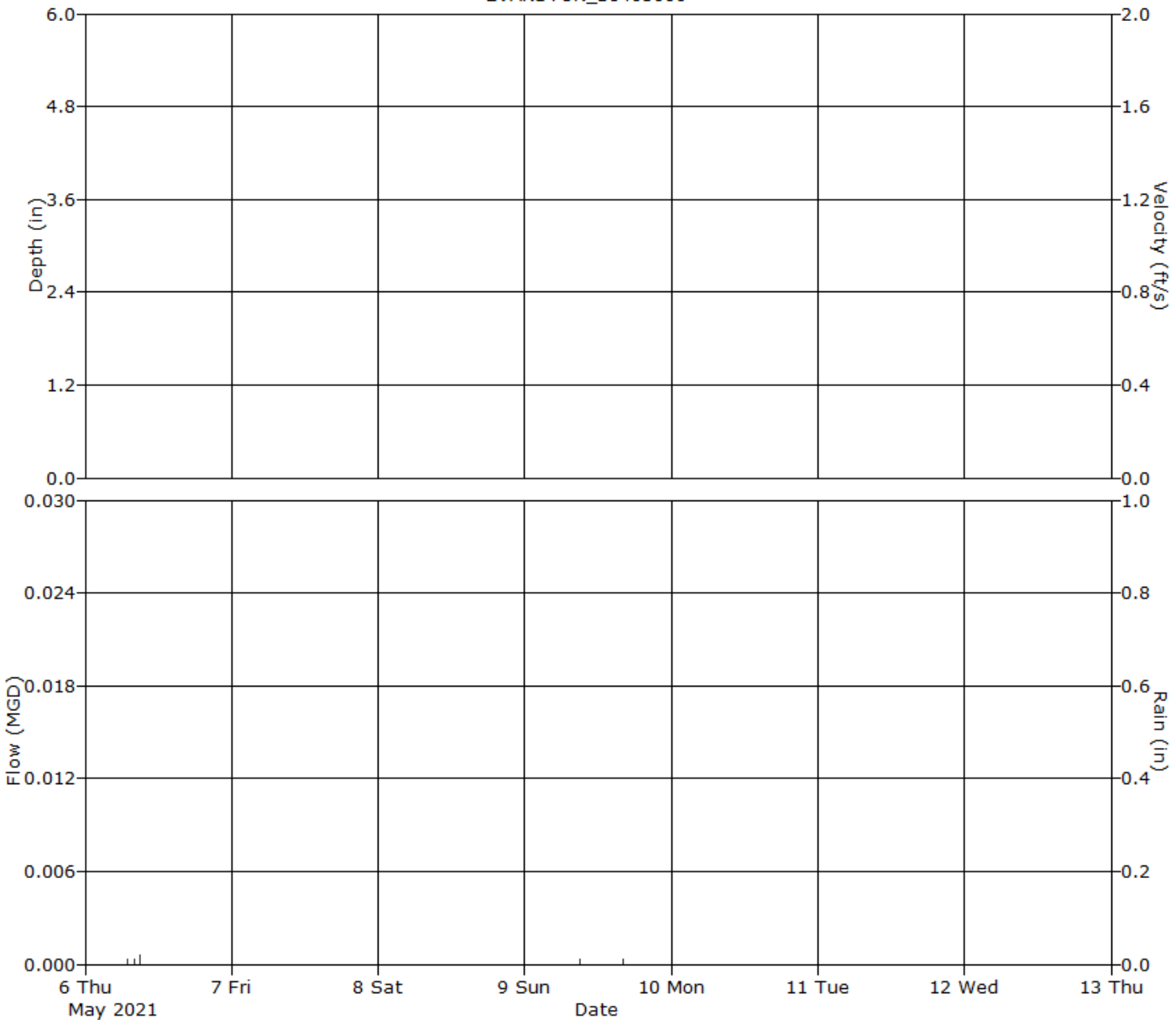


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



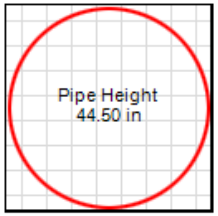
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

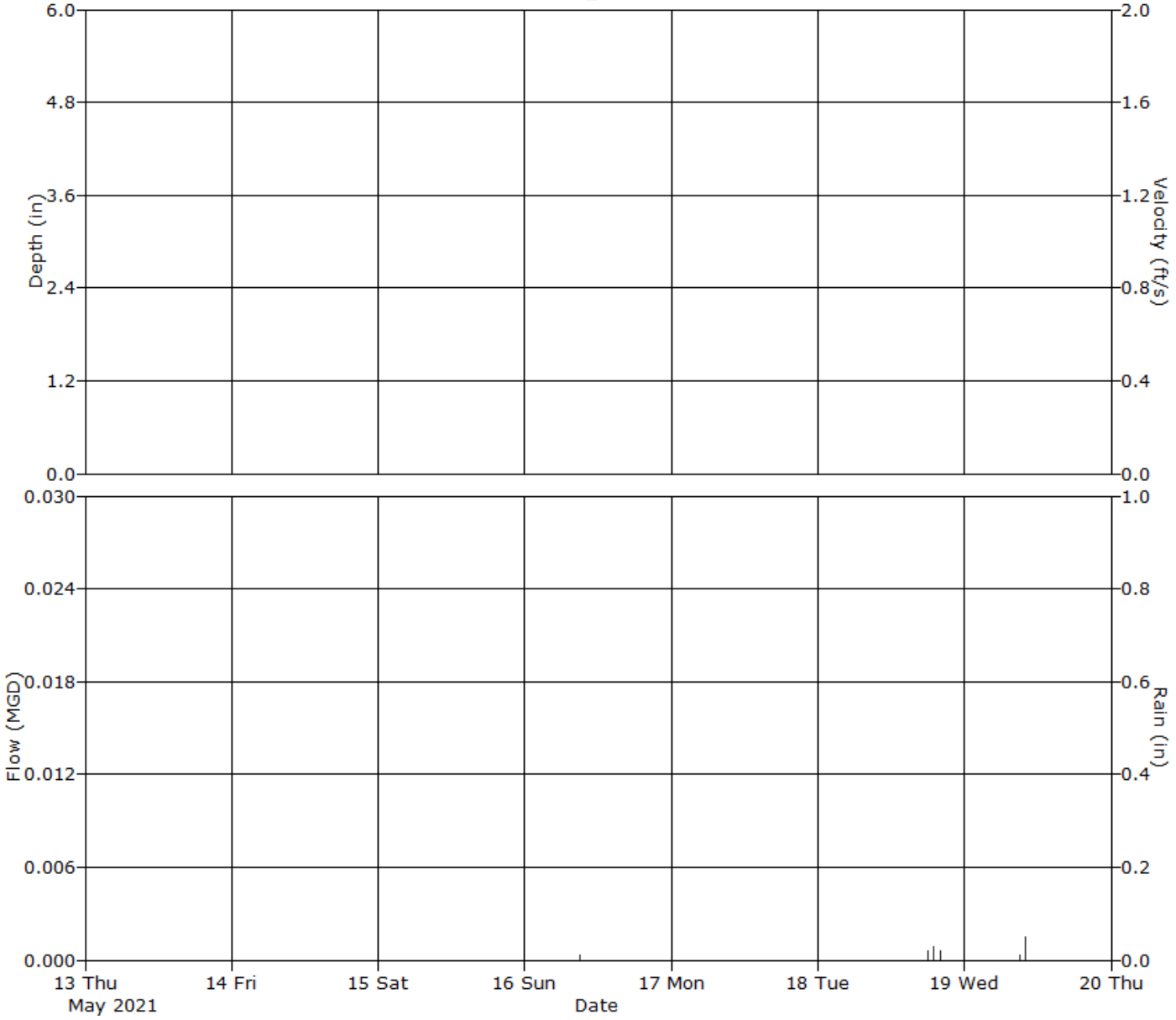


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



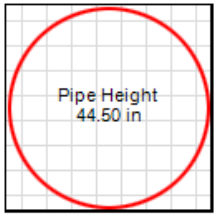
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

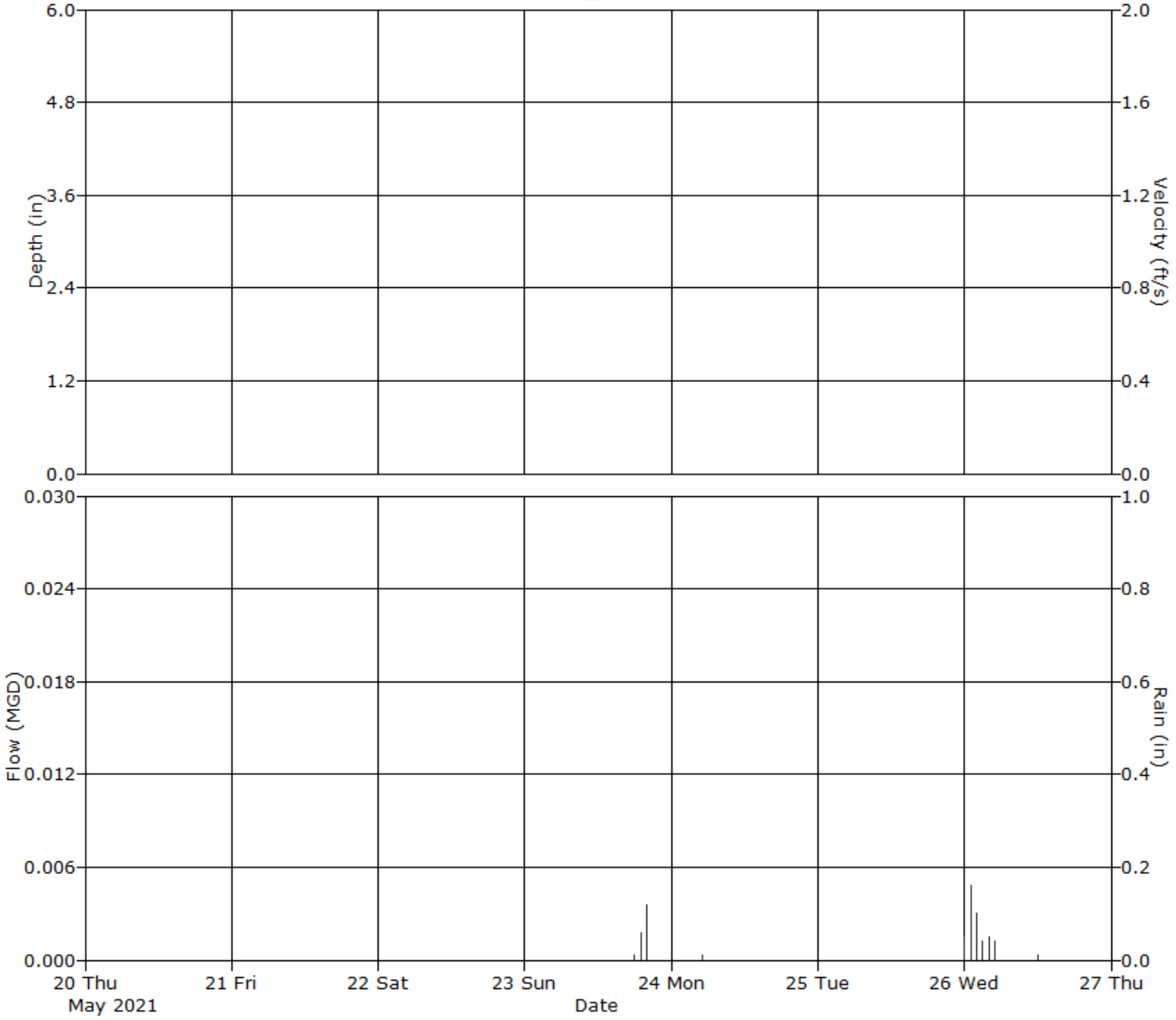


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



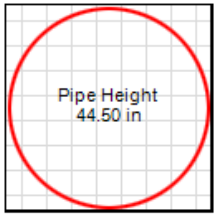
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

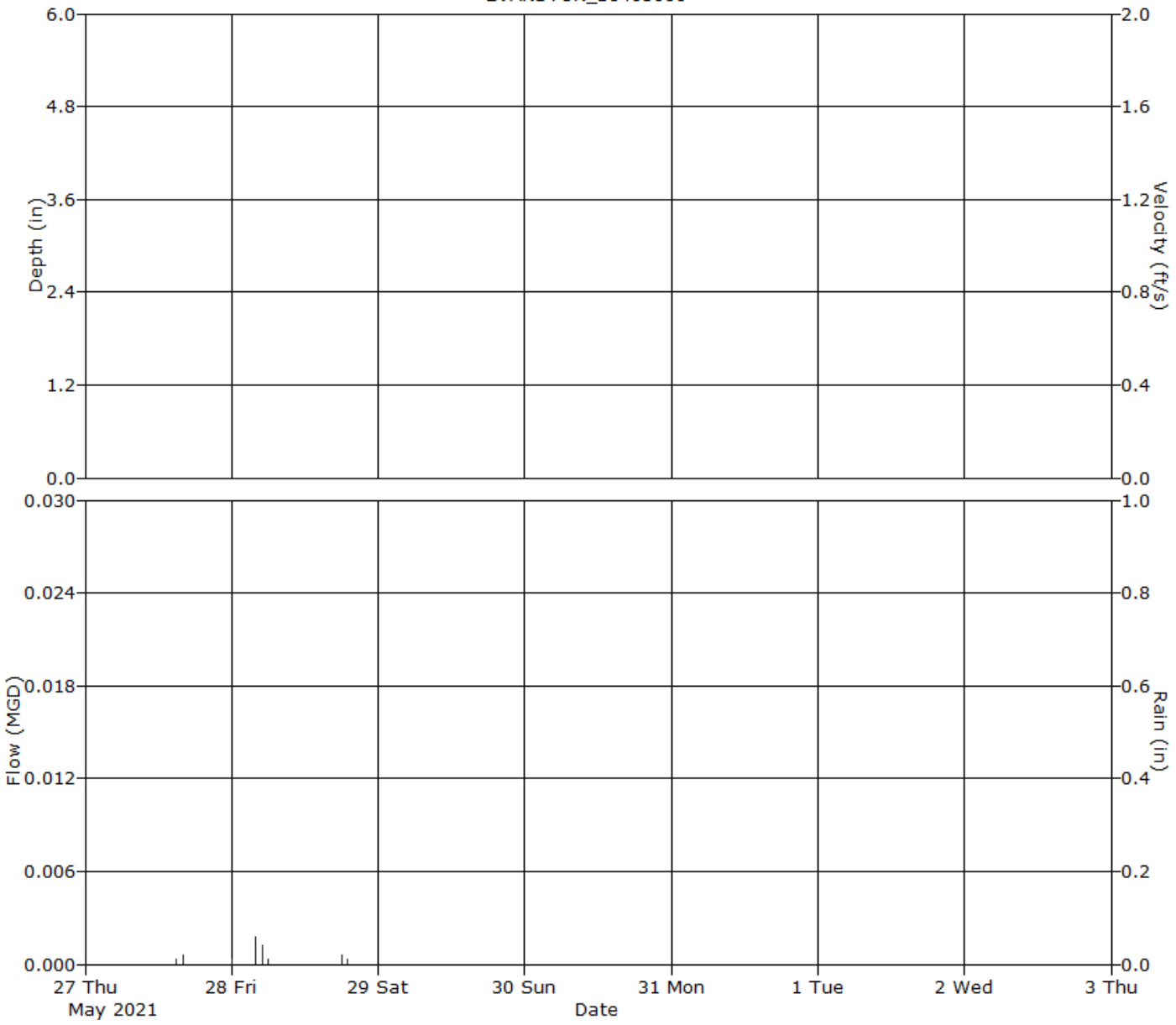


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



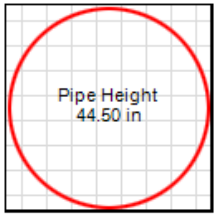
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

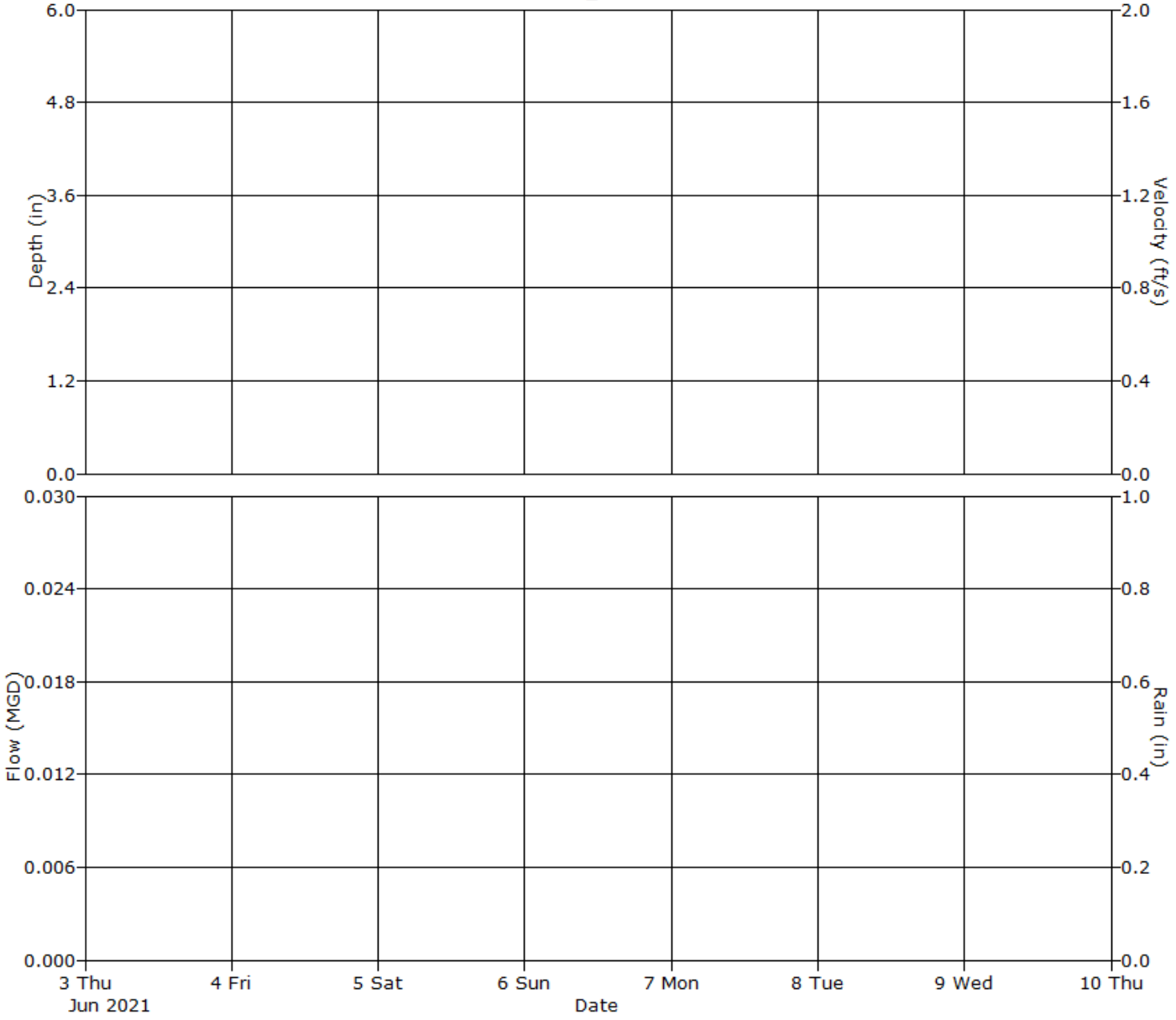


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



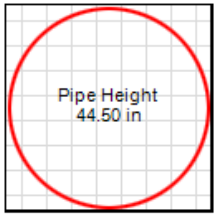
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

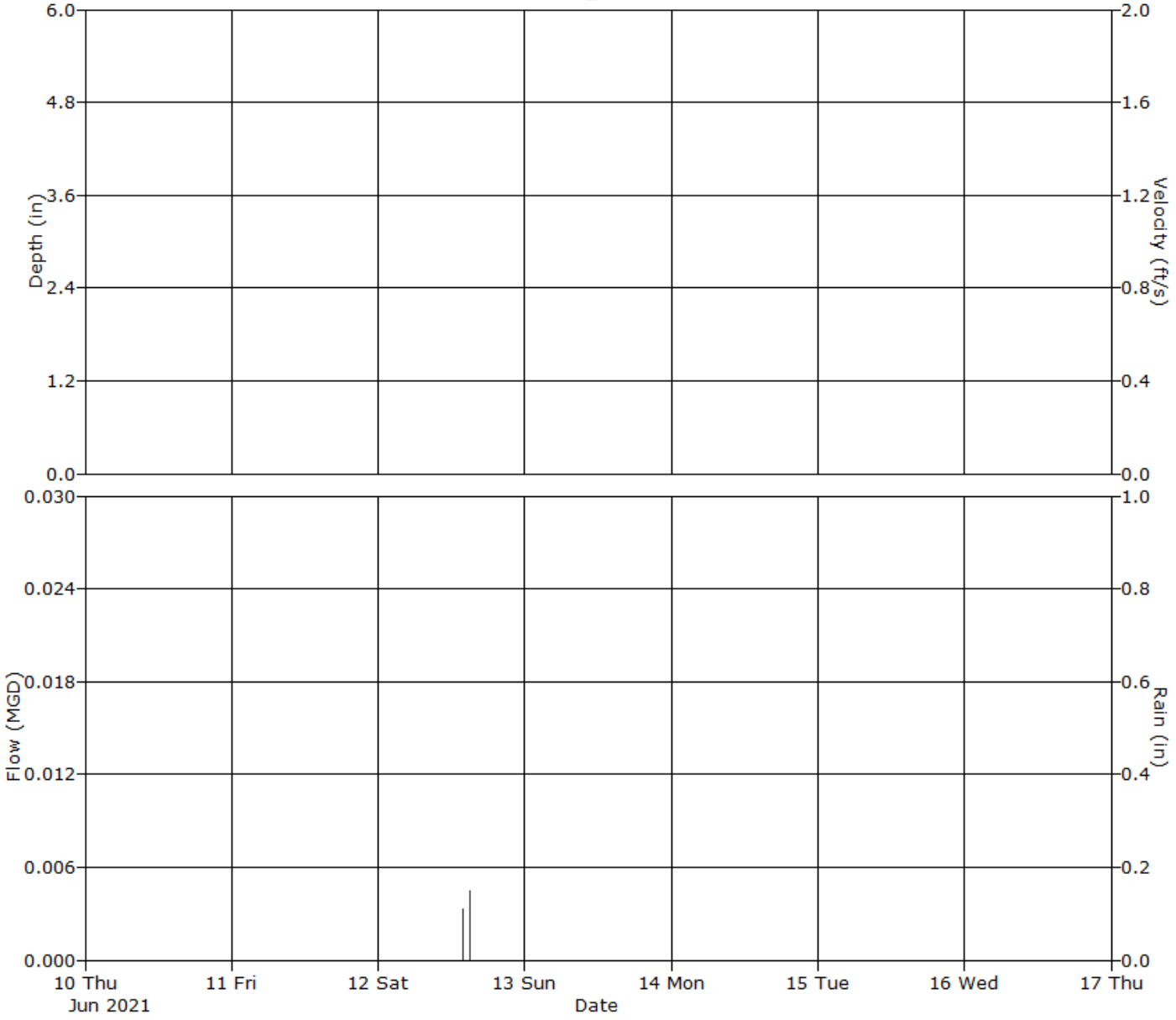


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



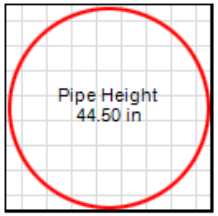
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

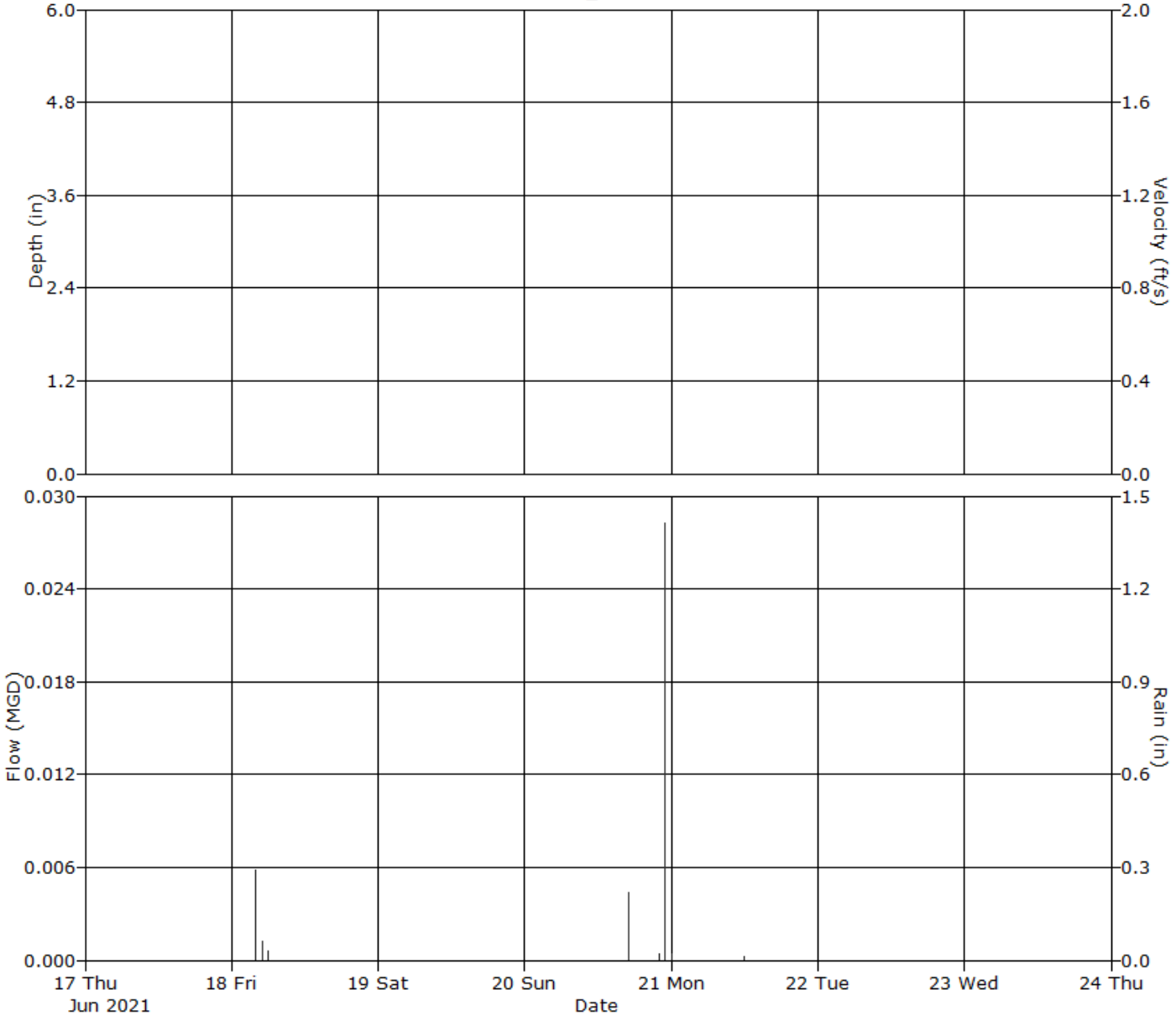


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



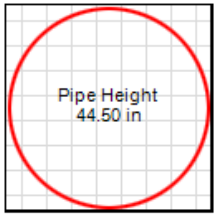
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

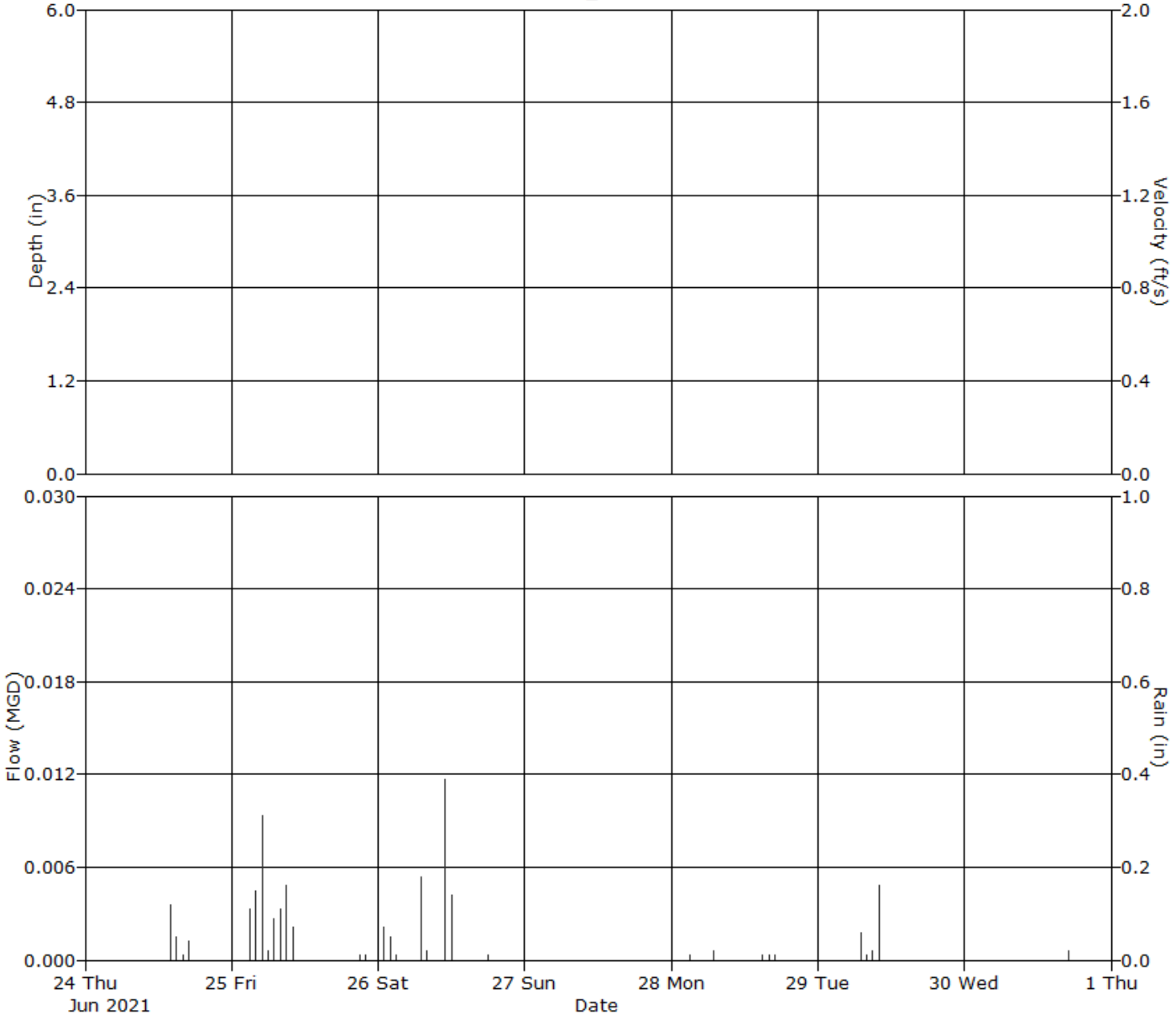


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



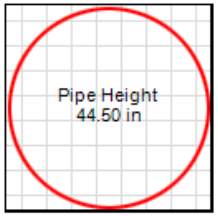
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

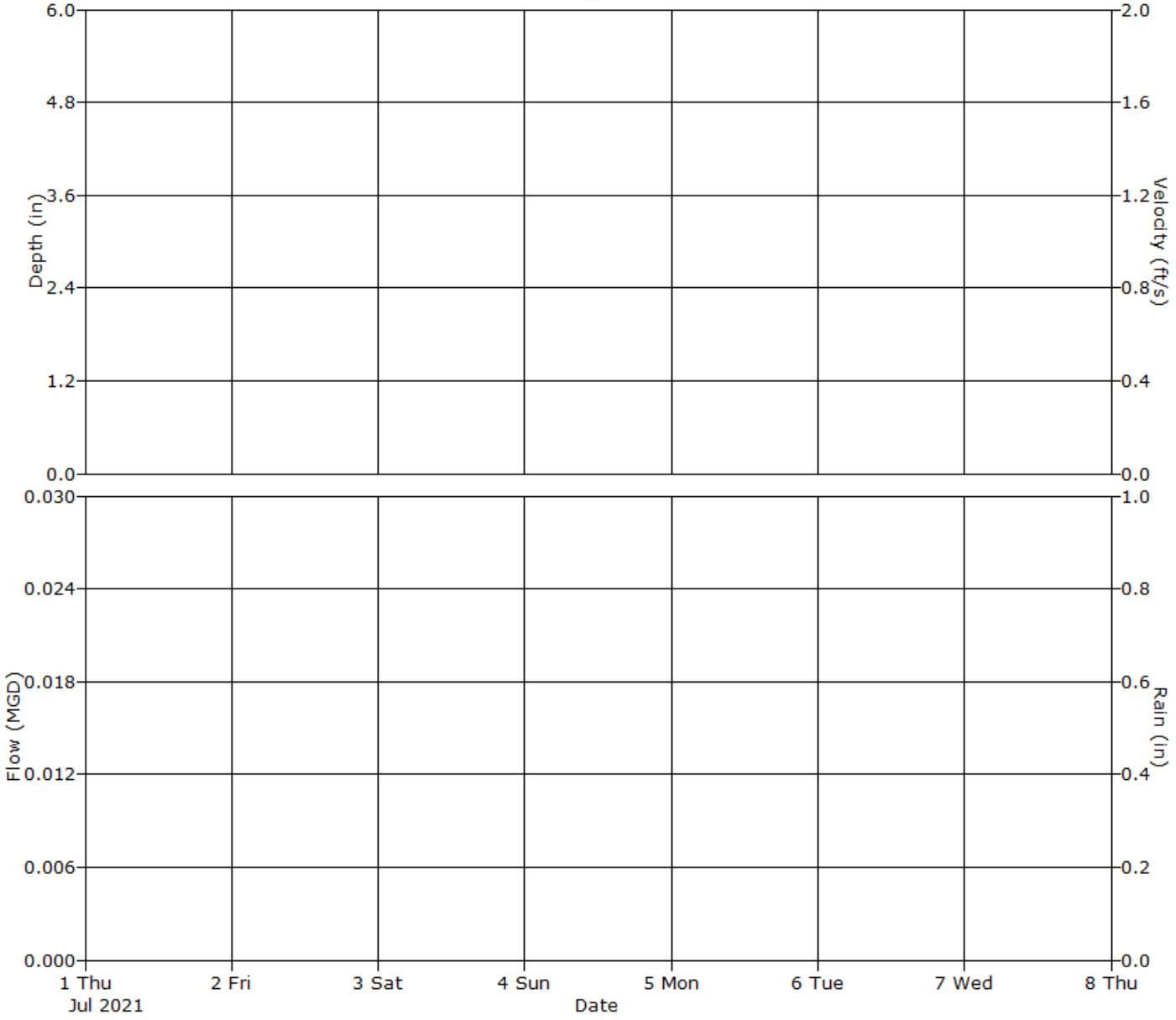


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



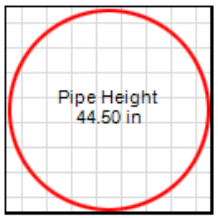
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

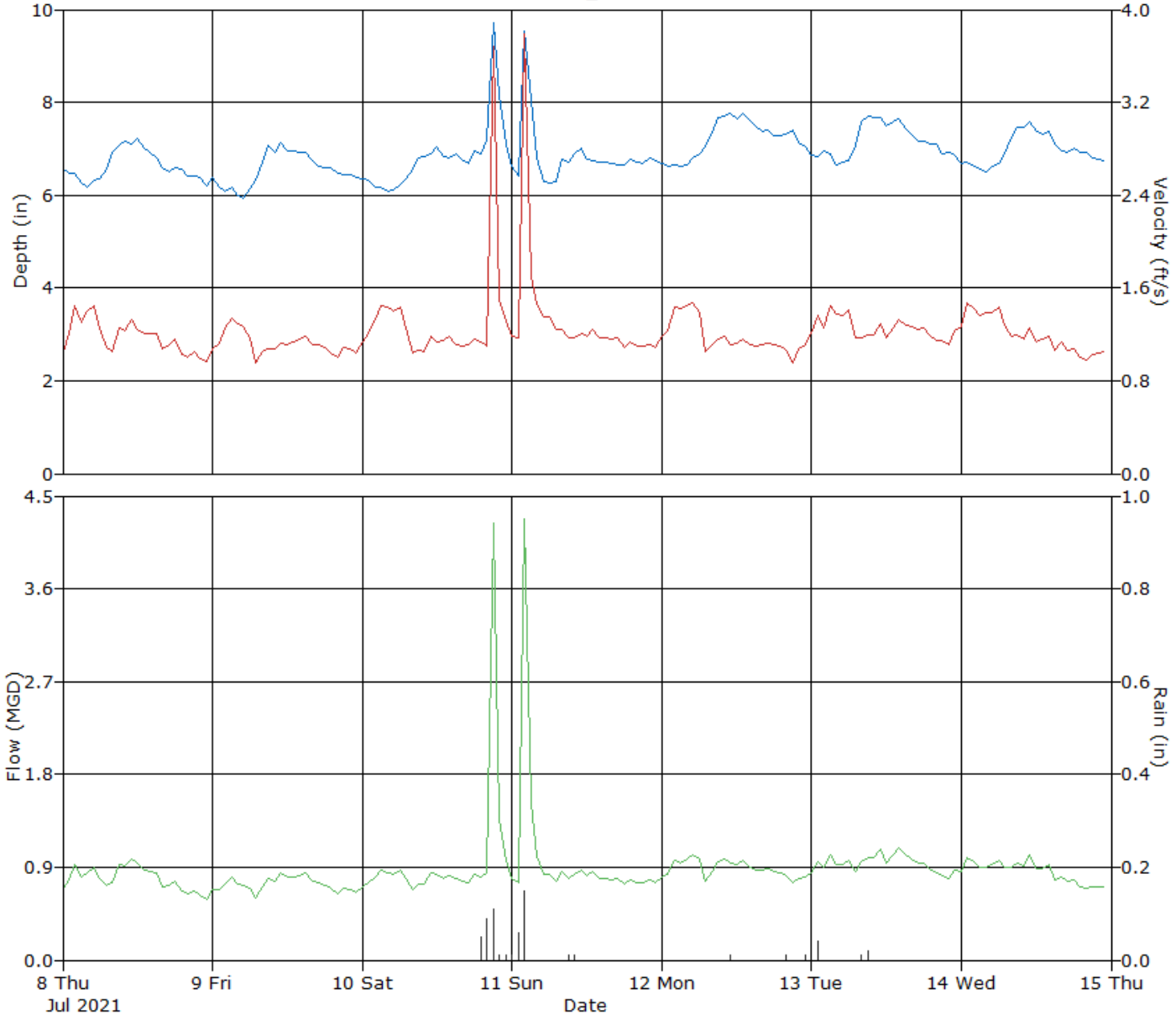


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



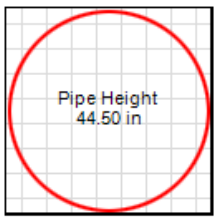
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000



Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



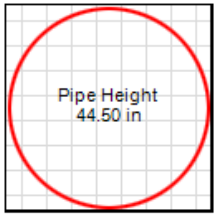
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

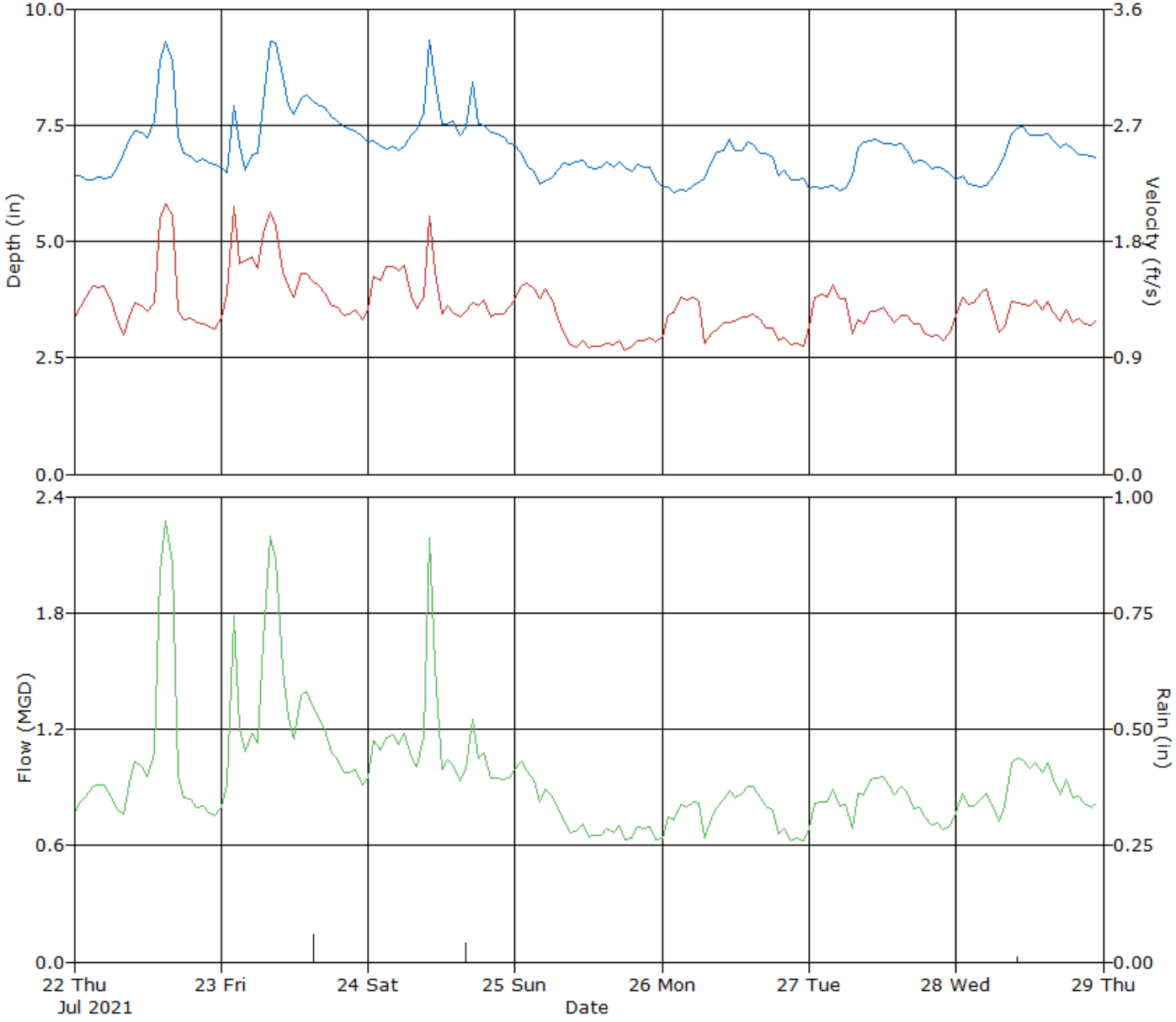


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



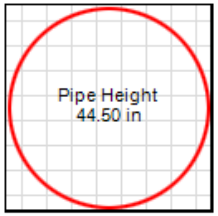
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

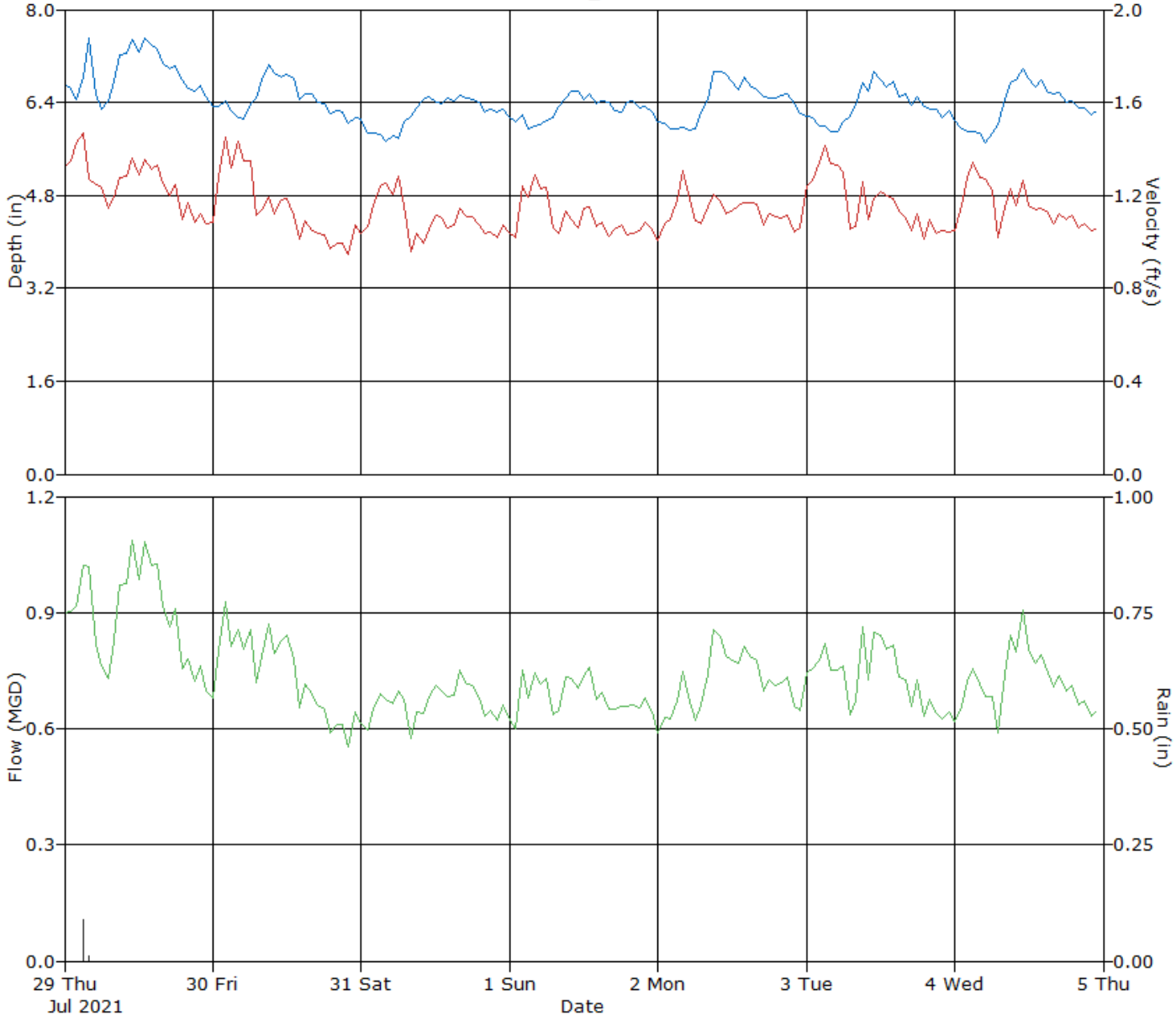


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



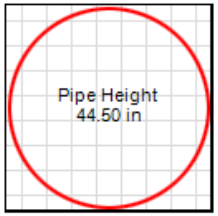
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

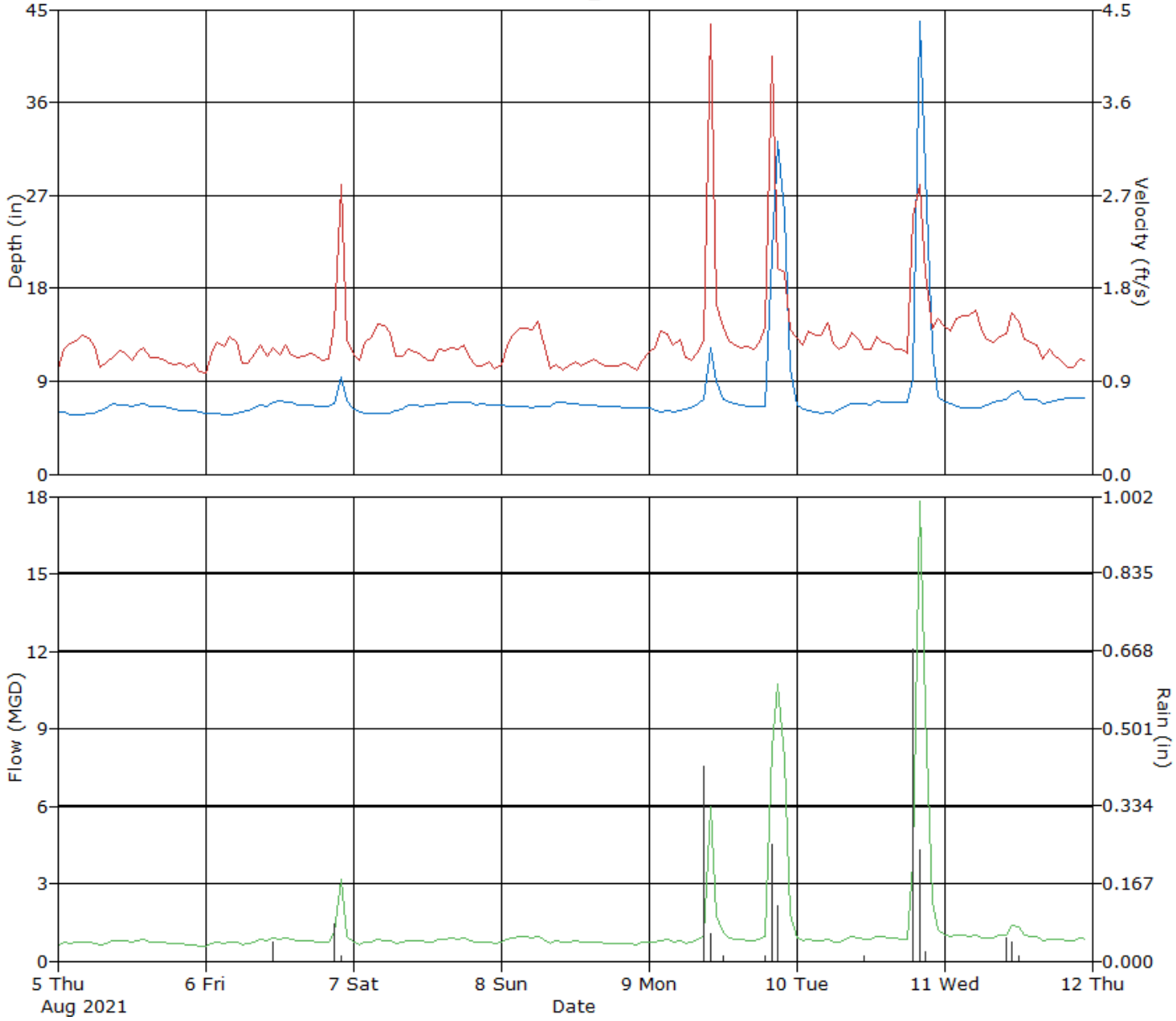


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



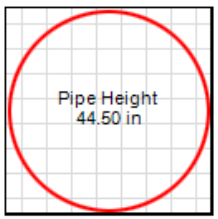
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

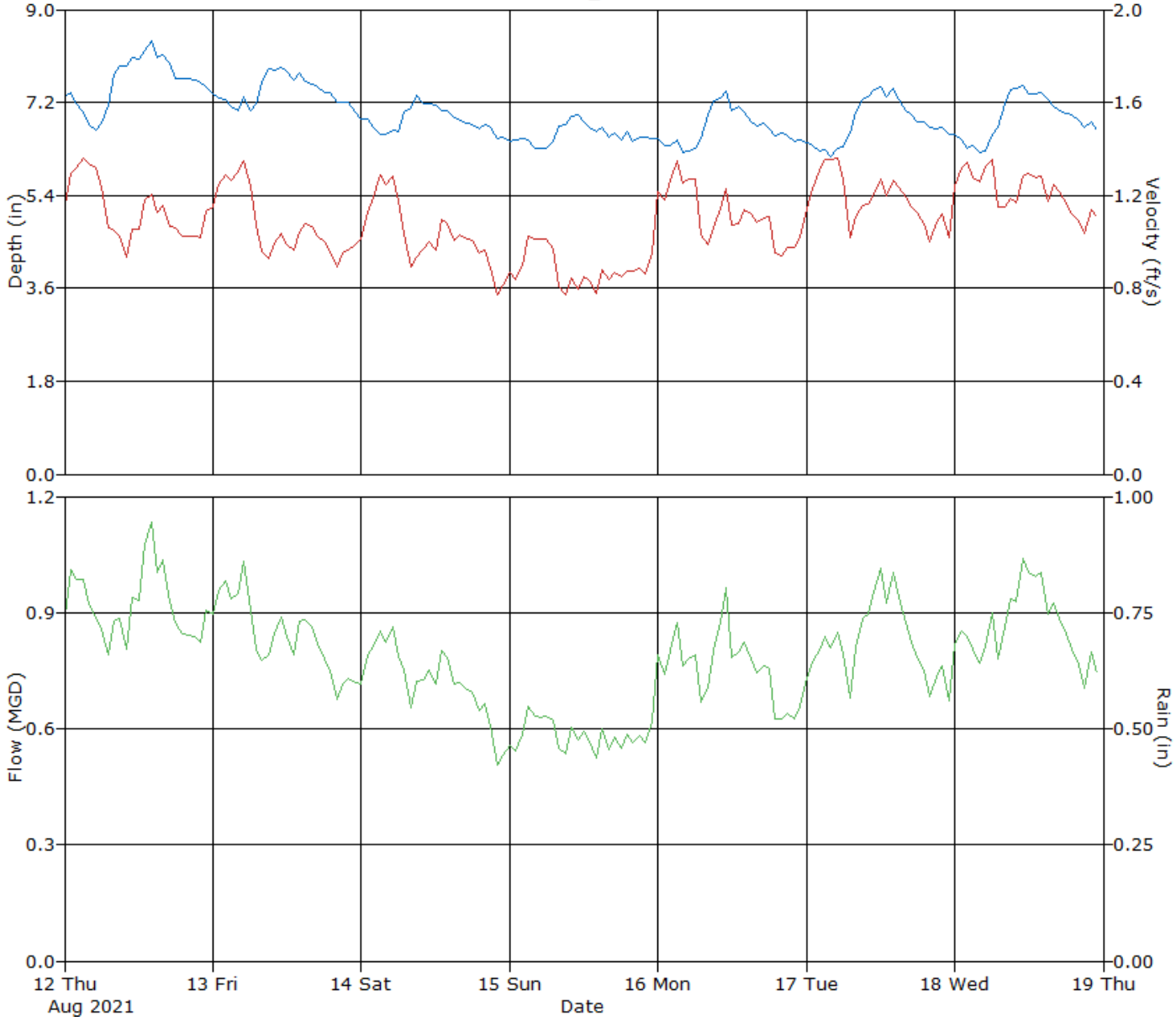


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



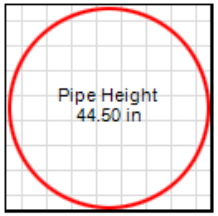
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

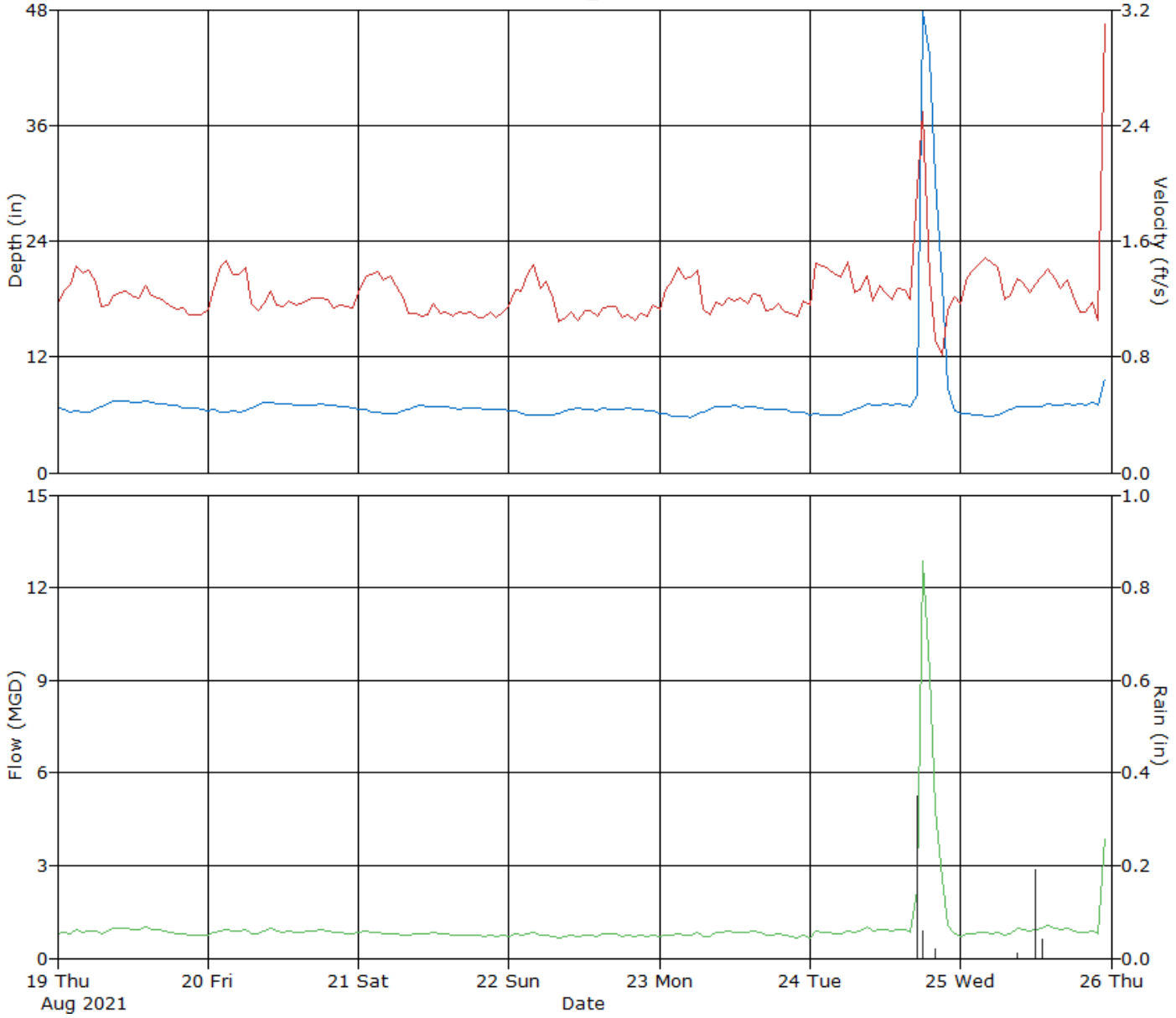


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_B8405000

Flow Monitor

EVANSTON_B8405000

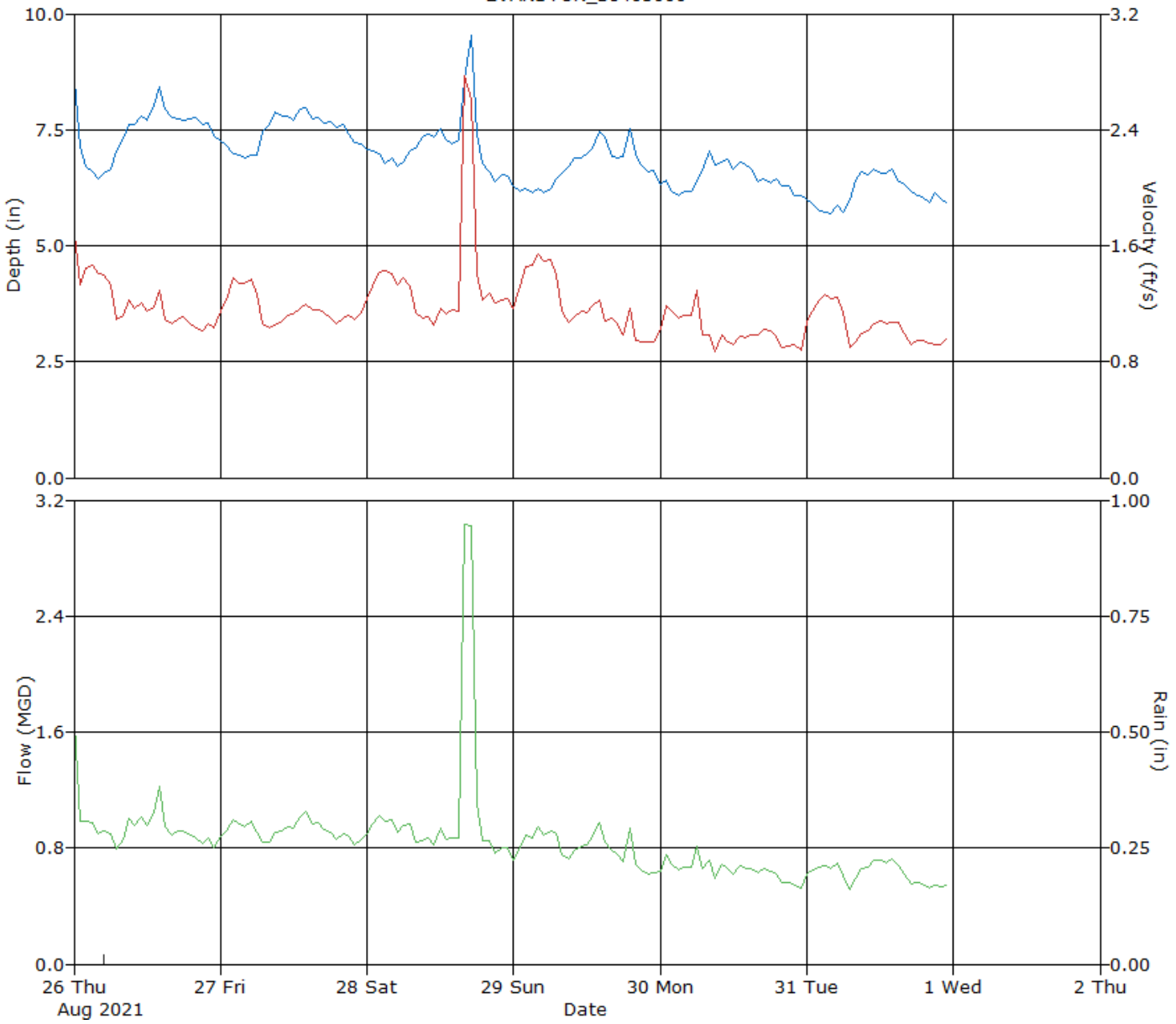
Pipe Height
44.50 in

Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.07
05/19/2021																	0.06
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.19
05/24/2021																	0.01
05/25/2021																	
05/26/2021																	0.45
05/27/2021																	0.03
05/28/2021																	0.15
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.26
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.65
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.22
06/25/2021																	1.04
06/26/2021																	0.87
06/27/2021																	
06/28/2021																	0.06
06/29/2021																	0.25
06/30/2021																	0.02
07/01/2021																	
07/02/2021																	
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021																	
07/07/2021																	
07/08/2021	04:50	6.05	11:50	7.39	6.63	08:10	0.80	02:10	1.61	1.18	23:30	0.526	11:50	1.140	0.790	105568	
07/09/2021	05:25	5.87	11:30	7.25	6.54	07:25	0.86	03:20	1.58	1.12	07:25	0.523	15:10	0.977	0.736	98337	
07/10/2021	04:05	6.01	21:30	10.77	6.83	20:50	0.86	21:15	6.77	1.32	08:55	0.633	21:15	7.199	0.968	129401	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	06:05	6.16	02:35	10.51	6.84	18:45	0.95	02:20	5.44	1.32	07:55	0.621	02:20	6.742	0.979	130849	0.24
07/12/2021	03:30	6.54	13:30	7.86	7.21	21:05	0.80	02:10	1.57	1.18	21:05	0.643	05:35	1.079	0.888	118723	0.03
07/13/2021	04:35	6.55	10:45	7.80	7.17	12:25	1.00	11:05	1.64	1.25	20:55	0.727	11:05	1.389	0.937	125291	0.07
07/14/2021	03:50	6.44	11:50	7.63	6.97	20:10	0.84	02:00	1.66	1.20	20:10	0.607	02:00	1.138	0.857	114552	
07/15/2021	02:50	6.35	23:55	20.01	7.29	22:05	0.82	23:55	8.36	1.37	02:45	0.613	23:55	26.174	1.216	162497	0.45
07/16/2021	06:20	6.24	00:35	31.89	8.13	20:05	1.00	00:00	9.10	1.41	17:50	0.666	00:15	30.067	1.673	223676	0.33
07/17/2021	03:35	6.58	16:15	7.80	7.30	11:05	0.87	03:00	1.56	1.14	11:05	0.697	03:00	1.049	0.872	116582	
07/18/2021	01:50	7.03	11:55	7.78	7.42	09:20	0.83	04:50	1.47	1.13	09:20	0.662	12:20	1.161	0.891	119062	
07/19/2021	23:05	6.37	09:30	7.90	7.19	20:15	0.81	09:45	1.43	1.12	23:25	0.527	09:45	1.219	0.852	113844	
07/20/2021	04:00	6.19	22:30	8.43	6.78	00:35	0.85	22:40	1.95	1.21	00:35	0.530	22:35	1.836	0.841	96058	
07/21/2021	04:15	6.03	14:00	7.39	6.70	22:05	0.93	01:05	1.63	1.20	00:15	0.574	12:15	1.092	0.817	109205	
07/22/2021	03:15	6.28	15:10	9.35	7.06	08:45	0.95	16:10	2.35	1.36	00:00	0.669	16:10	2.522	1.028	137470	
07/23/2021	04:20	6.31	08:30	9.35	7.66	23:55	1.10	02:45	2.20	1.52	00:35	0.741	08:25	2.341	1.268	169555	0.06
07/24/2021	05:30	6.90	10:55	9.46	7.47	16:50	1.00	11:00	2.17	1.40	16:50	0.810	11:00	2.409	1.120	149772	0.04
07/25/2021	04:35	6.16	00:40	7.11	6.60	18:25	0.80	01:20	1.56	1.13	18:25	0.538	01:20	1.118	0.753	100704	
07/26/2021	04:15	6.02	11:15	7.30	6.57	22:05	0.87	04:45	1.47	1.16	22:05	0.535	14:20	1.016	0.768	102664	
07/27/2021	05:35	6.03	11:10	7.31	6.65	22:50	0.93	04:35	1.61	1.22	22:50	0.603	11:35	1.083	0.817	109234	
07/28/2021	05:25	6.12	11:40	7.49	6.85	07:45	0.94	04:10	1.58	1.26	07:45	0.627	15:45	1.159	0.887	118607	0.01
07/29/2021	06:30	6.21	04:15	7.75	6.91	08:00	0.95	04:00	1.62	1.25	08:00	0.619	04:00	1.314	0.894	119450	0.10
07/30/2021	22:50	5.97	09:20	7.07	6.46	19:35	0.84	05:55	1.58	1.15	22:50	0.500	12:50	1.023	0.738	98711	
07/31/2021	04:05	5.66	16:35	6.78	6.21	08:55	0.83	06:50	1.39	1.10	08:55	0.508	16:35	0.824	0.667	89180	
08/01/2021	03:20	5.92	11:05	6.69	6.29	18:20	0.89	06:20	1.38	1.10	18:20	0.530	12:35	0.889	0.684	91374	
08/02/2021	05:50	5.83	09:50	7.08	6.41	07:05	0.92	04:25	1.44	1.13	02:00	0.527	09:15	1.011	0.719	96156	
08/03/2021	04:45	5.85	11:20	7.01	6.35	17:05	0.89	03:10	1.54	1.17	08:00	0.533	09:25	0.953	0.735	98193	
08/04/2021	05:25	5.65	11:15	7.08	6.34	07:25	0.89	03:40	1.46	1.15	07:25	0.516	09:55	1.021	0.721	96321	
08/05/2021	04:25	5.68	14:10	6.92	6.29	07:25	0.91	05:55	1.45	1.14	23:30	0.523	14:15	0.933	0.708	94624	
08/06/2021	04:50	5.70	22:10	10.07	6.57	00:40	0.88	22:10	4.53	1.26	00:40	0.496	22:10	5.527	0.869	116202	0.13
08/07/2021	03:50	5.79	18:10	7.06	6.50	21:50	0.93	04:55	1.53	1.19	00:45	0.569	14:40	1.016	0.770	102944	
08/08/2021	05:55	6.27	09:45	7.07	6.61	21:35	0.90	06:15	1.57	1.15	21:35	0.579	06:15	1.031	0.761	101736	
08/09/2021	04:05	5.98	21:10	38.26	9.48	22:40	0.91	10:15	8.86	1.59	01:10	0.608	22:00	18.207	2.133	285124	0.87
08/10/2021	04:25	5.83	20:20	52.18	9.46	20:50	1.00	19:55	8.98	1.44	04:15	0.635	20:15	34.849	2.123	283780	0.94
08/11/2021	03:55	6.28	11:55	8.88	7.03	21:15	0.89	11:40	2.59	1.31	16:25	0.636	11:40	2.513	0.953	127400	0.10
08/12/2021	05:25	6.60	14:20	8.53	7.60	11:10	0.79	04:40	1.48	1.13	10:25	0.674	14:20	1.224	0.920	122939	
08/13/2021	04:30	6.93	09:25	7.95	7.42	20:40	0.83	05:00	1.40	1.07	23:10	0.604	01:30	1.066	0.842	112504	
08/14/2021	22:30	6.46	09:35	7.42	6.86	08:35	0.71	03:20	1.38	1.03	22:35	0.460	05:10	0.938	0.723	96598	
08/15/2021	04:05	6.23	11:30	7.07	6.58	13:10	0.67	03:20	1.10	0.88	13:10	0.461	10:35	0.742	0.583	77894	
08/16/2021	04:55	6.17	11:35	7.49	6.70	20:00	0.85	03:05	1.52	1.12	20:00	0.561	11:15	1.073	0.757	101229	
08/17/2021	04:25	6.10	12:10	7.64	6.82	09:10	0.91	03:15	1.46	1.18	20:40	0.621	12:05	1.142	0.824	110178	
08/18/2021	05:15	6.16	11:25	7.83	6.90	21:50	0.90	02:50	1.58	1.22	21:50	0.605	11:25	1.316	0.863	115324	
08/19/2021	02:35	6.25	14:25	7.57	6.89	21:55	0.93	04:30	1.51	1.22	21:55	0.626	10:20	1.155	0.863	115421	
08/20/2021	03:15	6.27	10:15	7.39	6.84	00:25	0.98	03:35	1.53	1.22	00:25	0.633	10:15	1.126	0.853	114031	
08/21/2021	05:15	6.02	09:35	7.04	6.58	09:00	0.95	02:25	1.50	1.17	09:00	0.626	01:00	0.976	0.773	103315	
08/22/2021	06:05	5.83	16:10	6.82	6.38	08:15	0.84	04:55	1.51	1.16	08:15	0.488	04:55	0.874	0.732	97882	
08/23/2021	05:20	5.63	12:05	7.15	6.43	20:35	0.92	06:40	1.57	1.21	20:35	0.586	11:55	1.086	0.769	102768	
08/24/2021	00:40	5.91	18:45	62.14	11.51	19:45	0.44	18:05	7.53	1.33	00:30	0.598	18:05	27.753	2.008	268441	0.43
08/25/2021	05:45	5.76	23:25	12.34	6.76	22:15	0.87	23:20	6.23	1.37	00:15	0.573	23:25	9.463	0.989	132244	0.24
08/26/2021	04:55	6.40	00:00	9.82	7.47	08:35	0.88	00:00	2.65	1.21	08:35	0.659	00:00	3.117	0.963	128688	0.02
08/27/2021	04:40	6.82	14:05	8.17	7.46	09:55	0.83	02:05	1.46	1.17	09:55	0.707	14:15	1.214	0.923	123331	
08/28/2021	21:30	6.27	16:55	10.57	7.17	11:05	0.93	16:50	6.31	1.37	21:30	0.696	16:50	7.781	1.076	143902	
08/29/2021	04:00	6.00	14:40	7.73	6.71	21:25	0.77	04:40	1.65	1.19	21:25	0.524	14:30	1.171	0.804	107415	
08/30/2021	22:30	5.98	08:20	7.11	6.45	09:20	0.73	06:40	1.48	1.01	23:10	0.480	06:40	0.951	0.647	86557	
08/31/2021	04:00	5.59	14:10	6.85	6.15	07:40	0.80	05:40	1.40	1.04	07:00	0.459	11:35	0.838	0.625	83462	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			6796970	11.39
Avg	7.03	1.21	0.927	

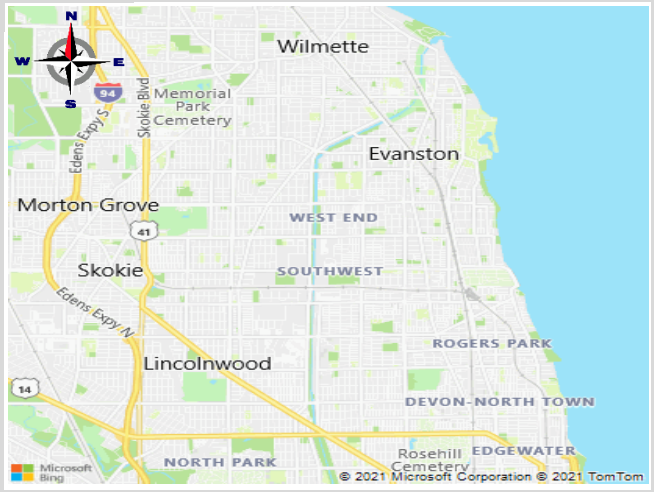
Evanston, IL

Flow Monitoring Site Report

SITE NAME

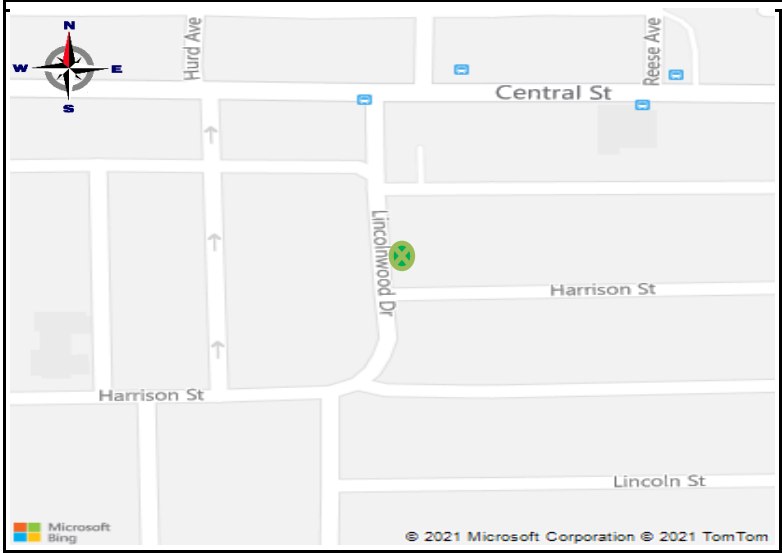
LEVEL03

Site Address /Location:	2913 Harrison St.			Monitor Series	Location Type
				VZ Echo LTE-M	Temporary
Site Access Details:	in road	Latitude:	42.063514	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.7154436	10 x 10	Circular



Manhole #	System Characteristics
B06_07724	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, May 06, 2021	Bar Mount
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
ECHO Depth	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
2:20:00 PM	10 x 10
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
0.50	27.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
15.25	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
3.6	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

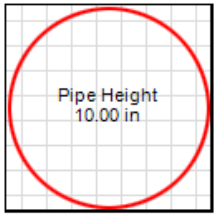
Additional Site Info. / Comments:

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

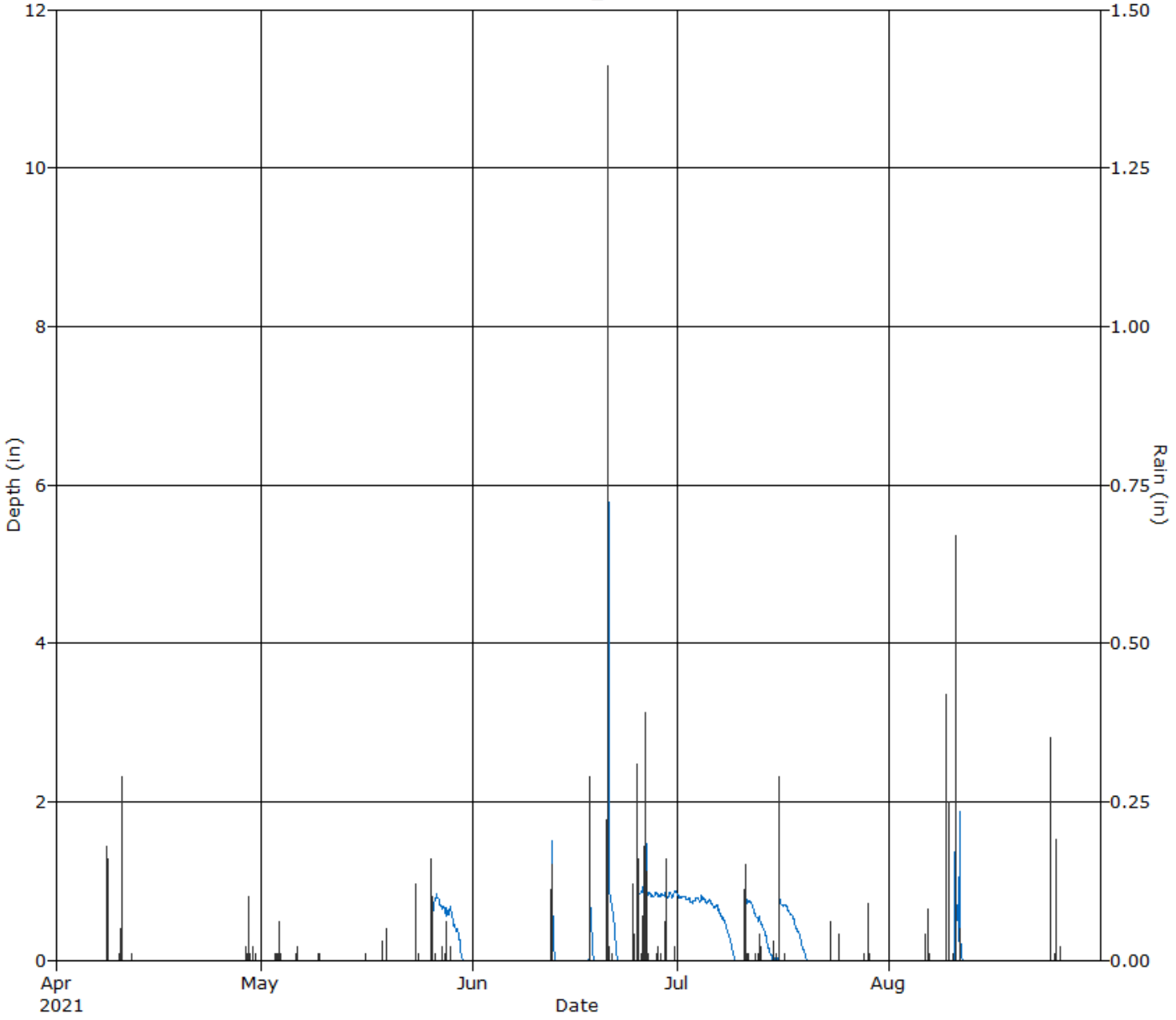


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Rain



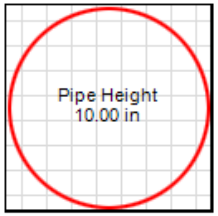
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

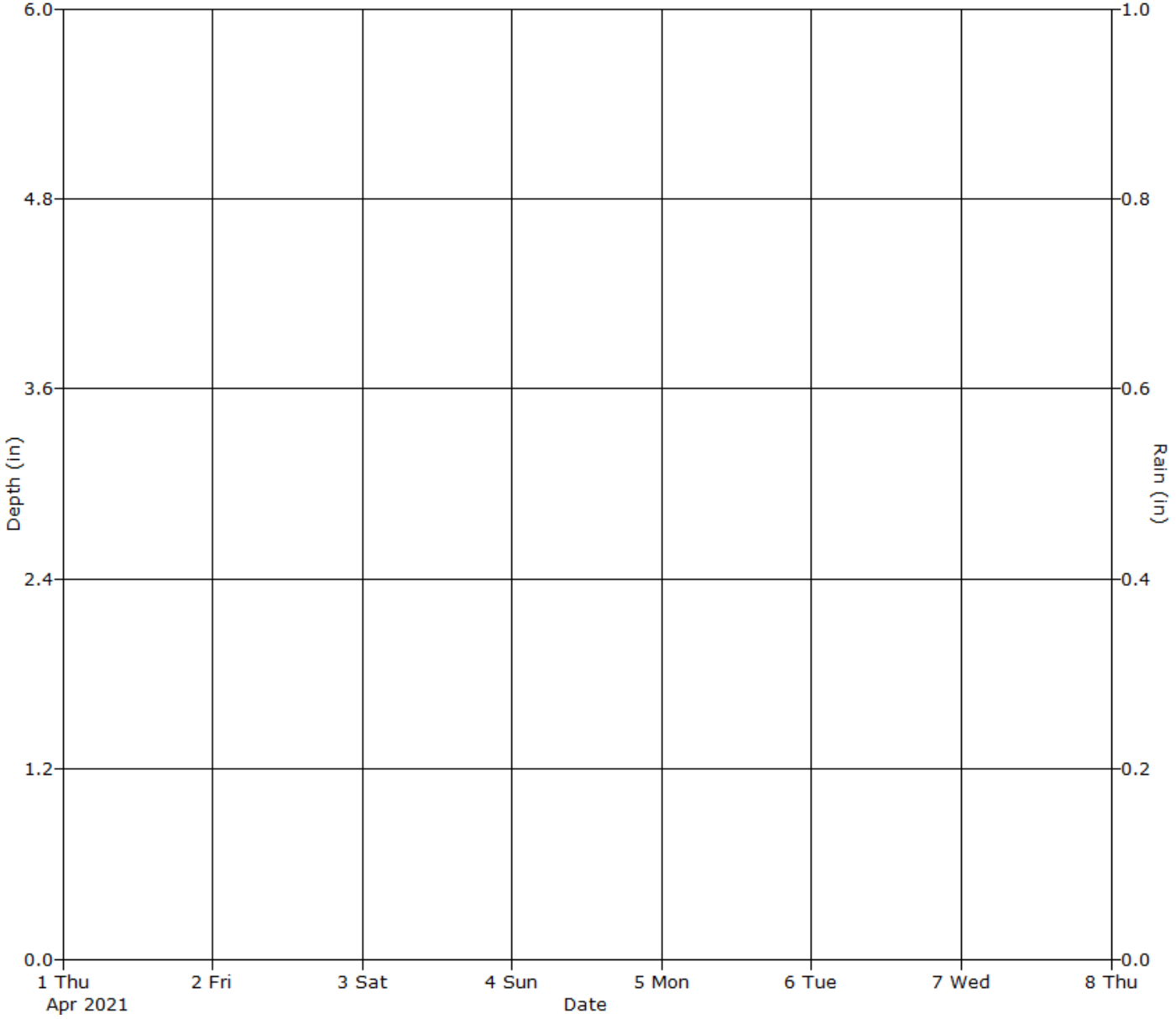


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Rain



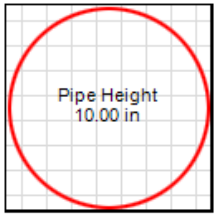
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

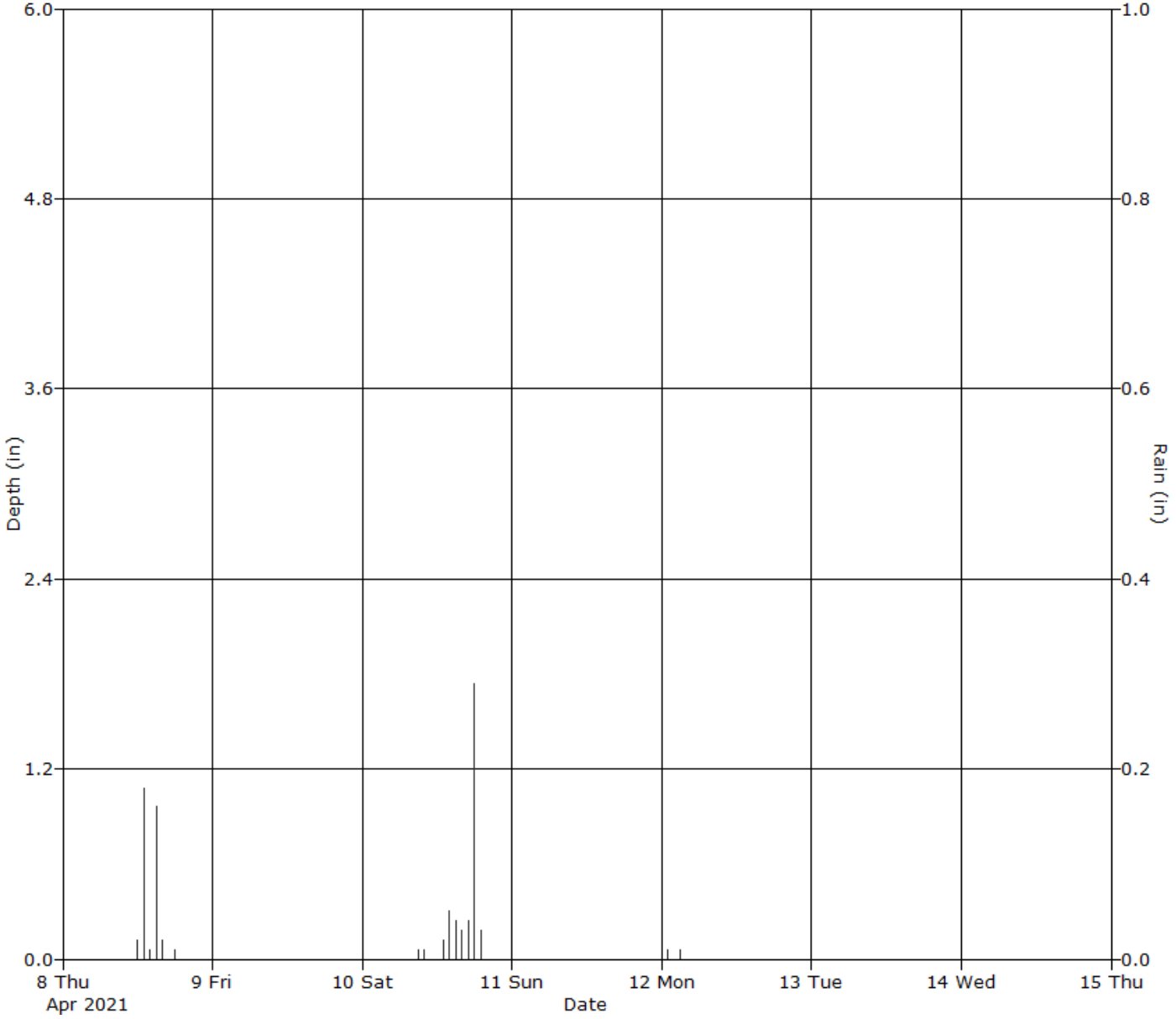


Report Period

4/8/2021
To
4/14/2021

Legend

Depth
Rain



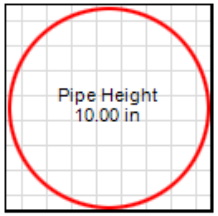
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

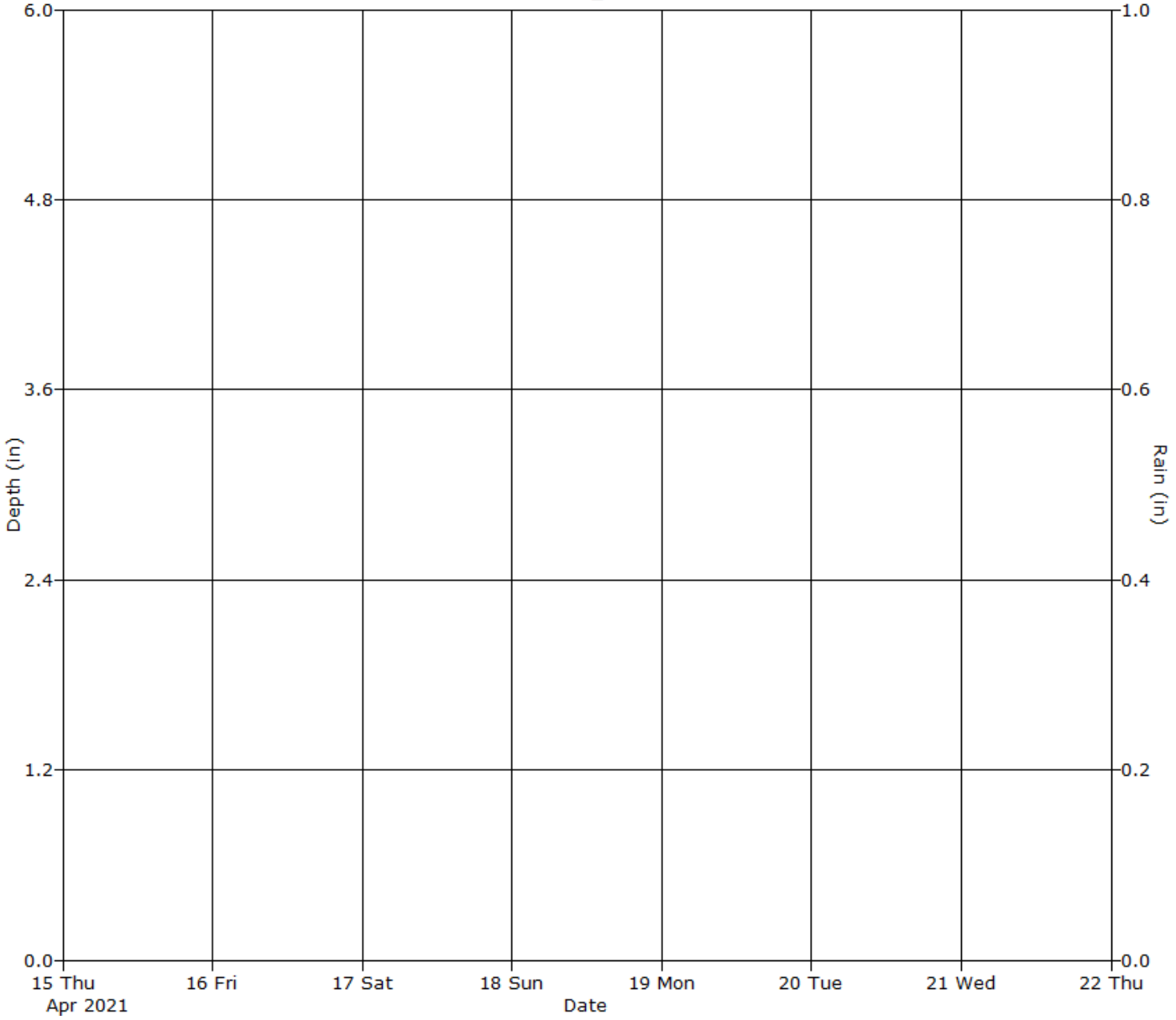


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Rain



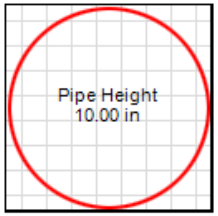
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

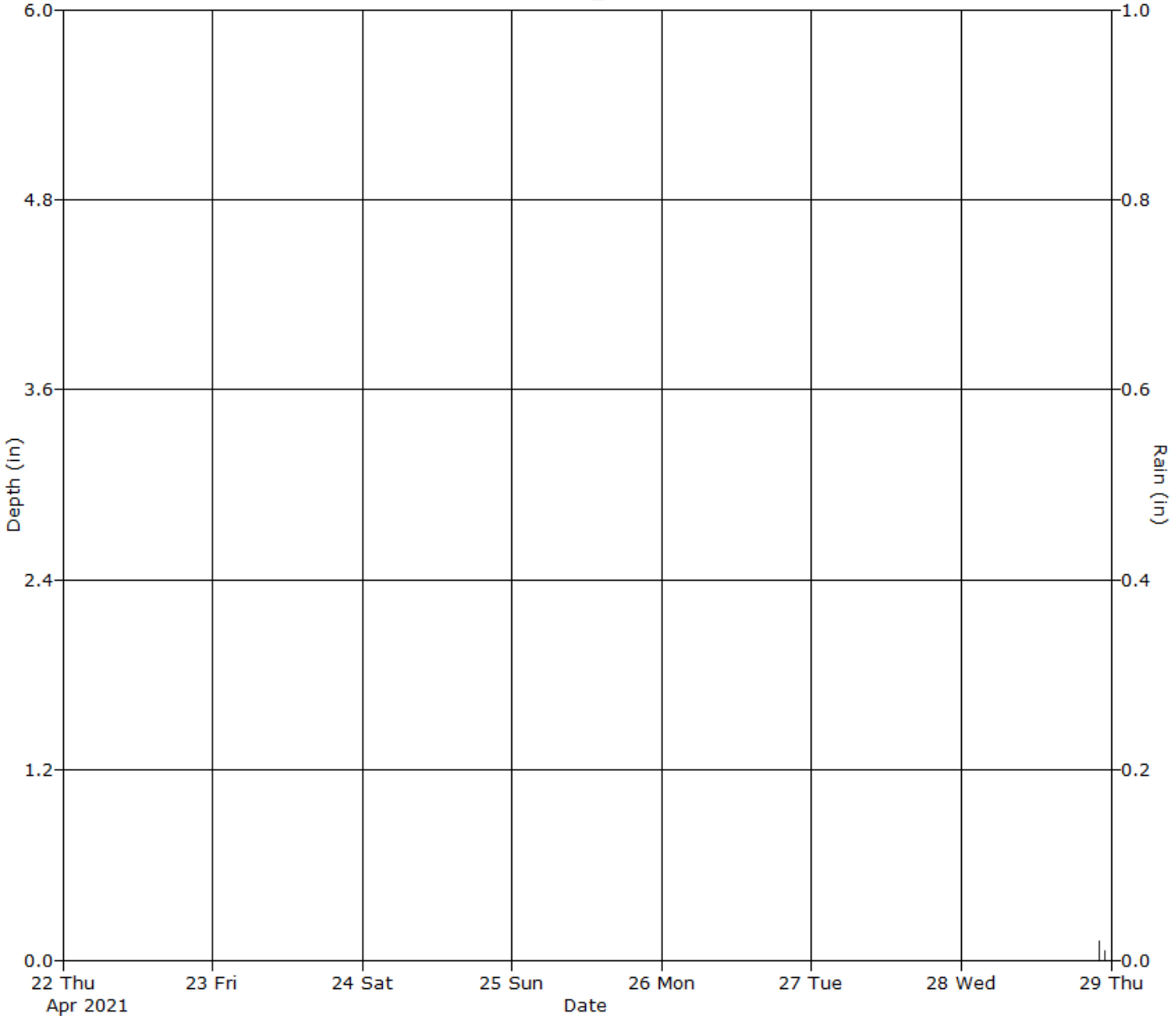


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Rain



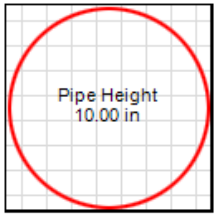
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

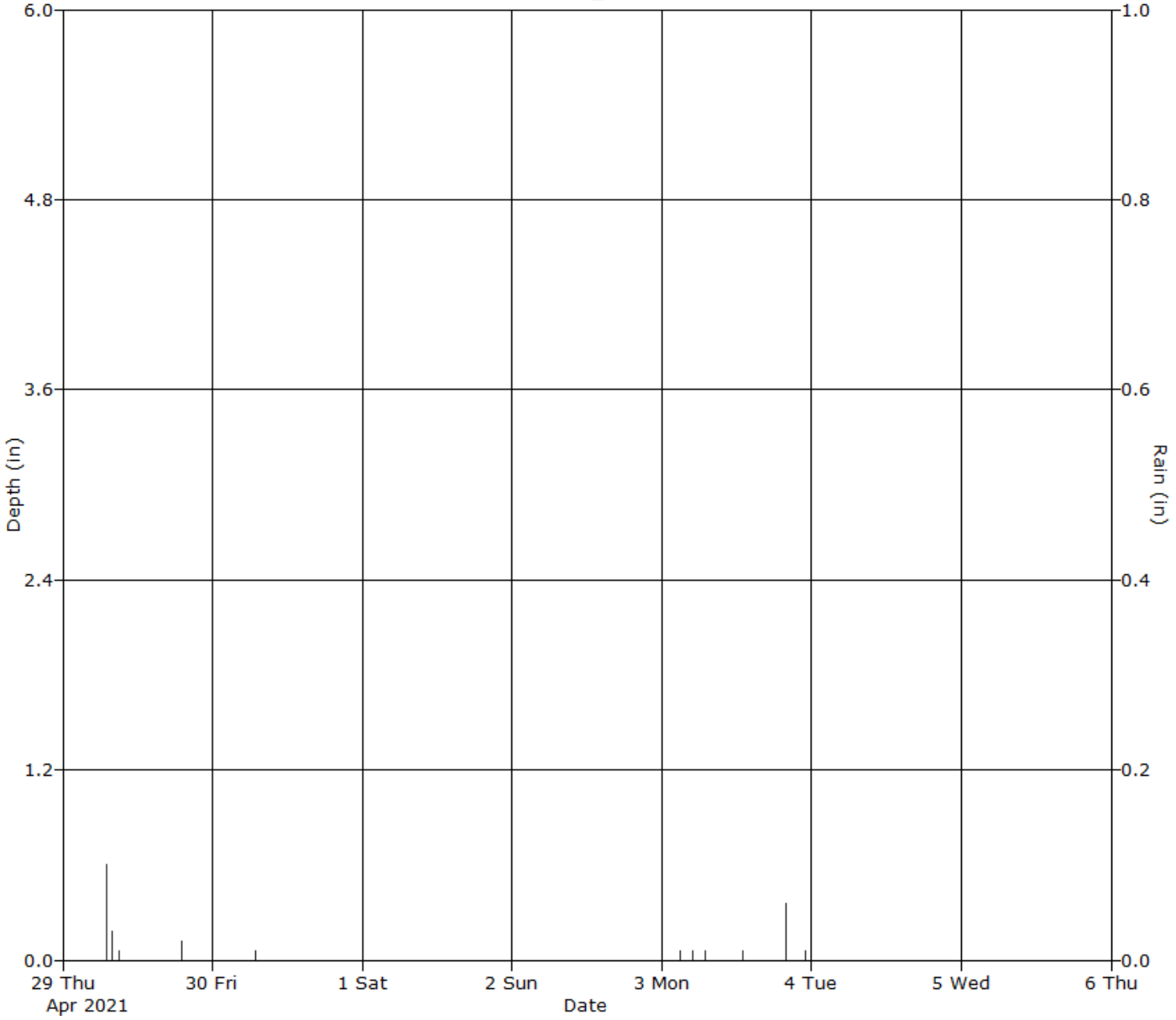


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Rain



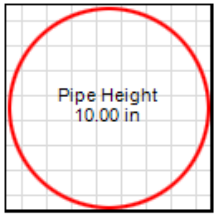
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

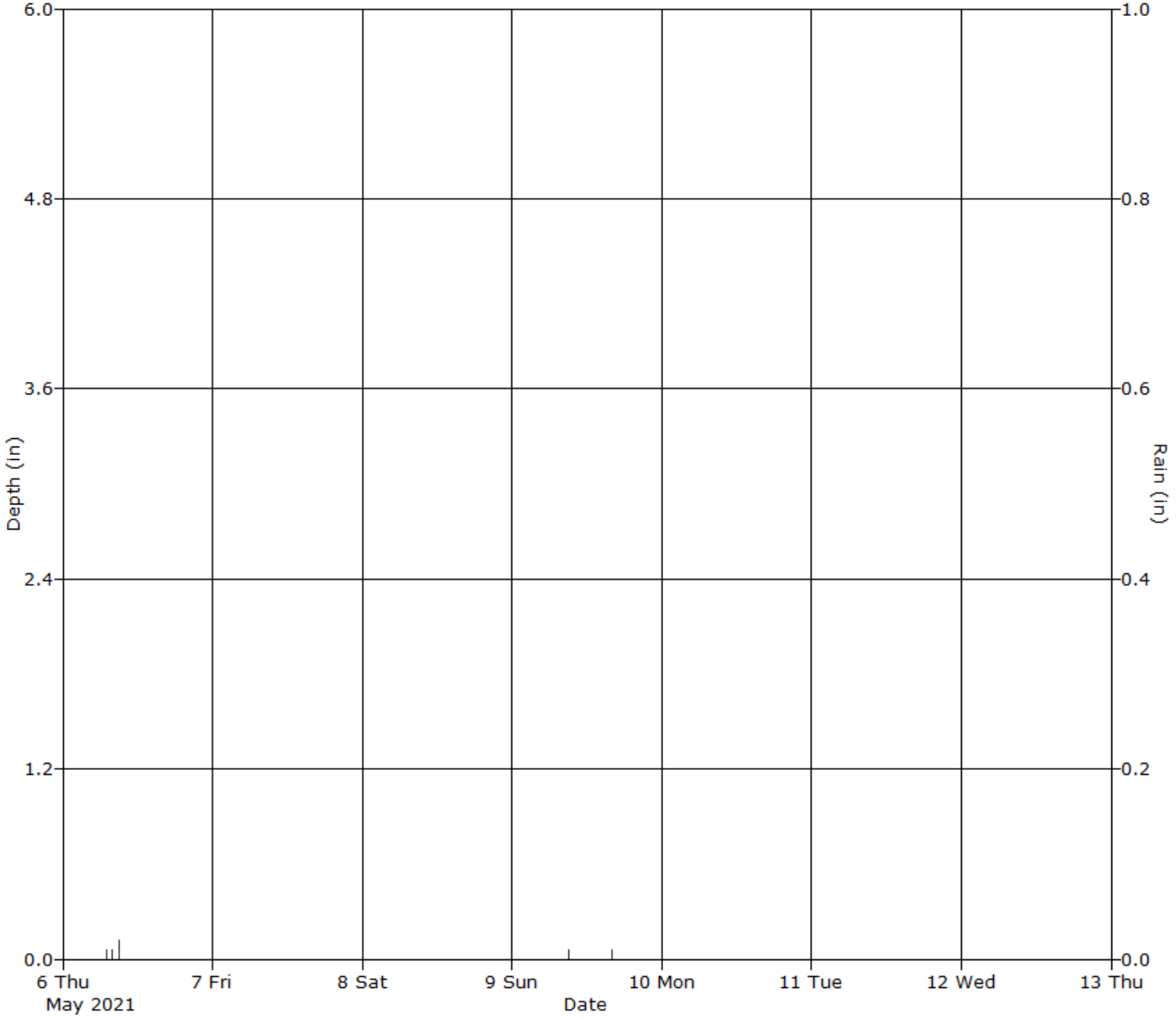


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Rain



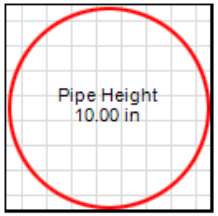
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

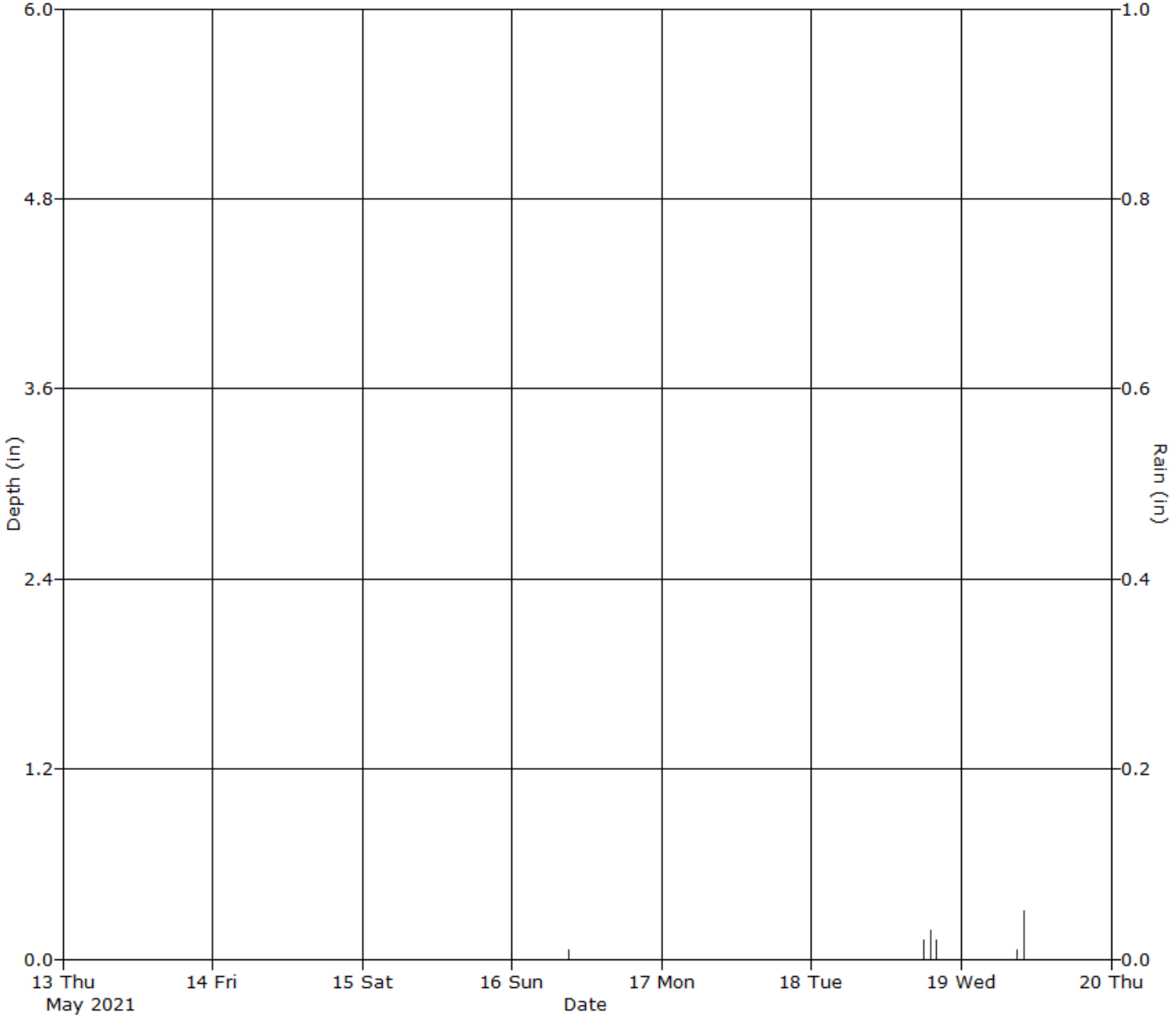


Report Period

5/13/2021
To
5/19/2021

Legend

Depth
Rain



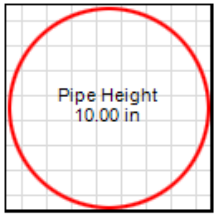
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

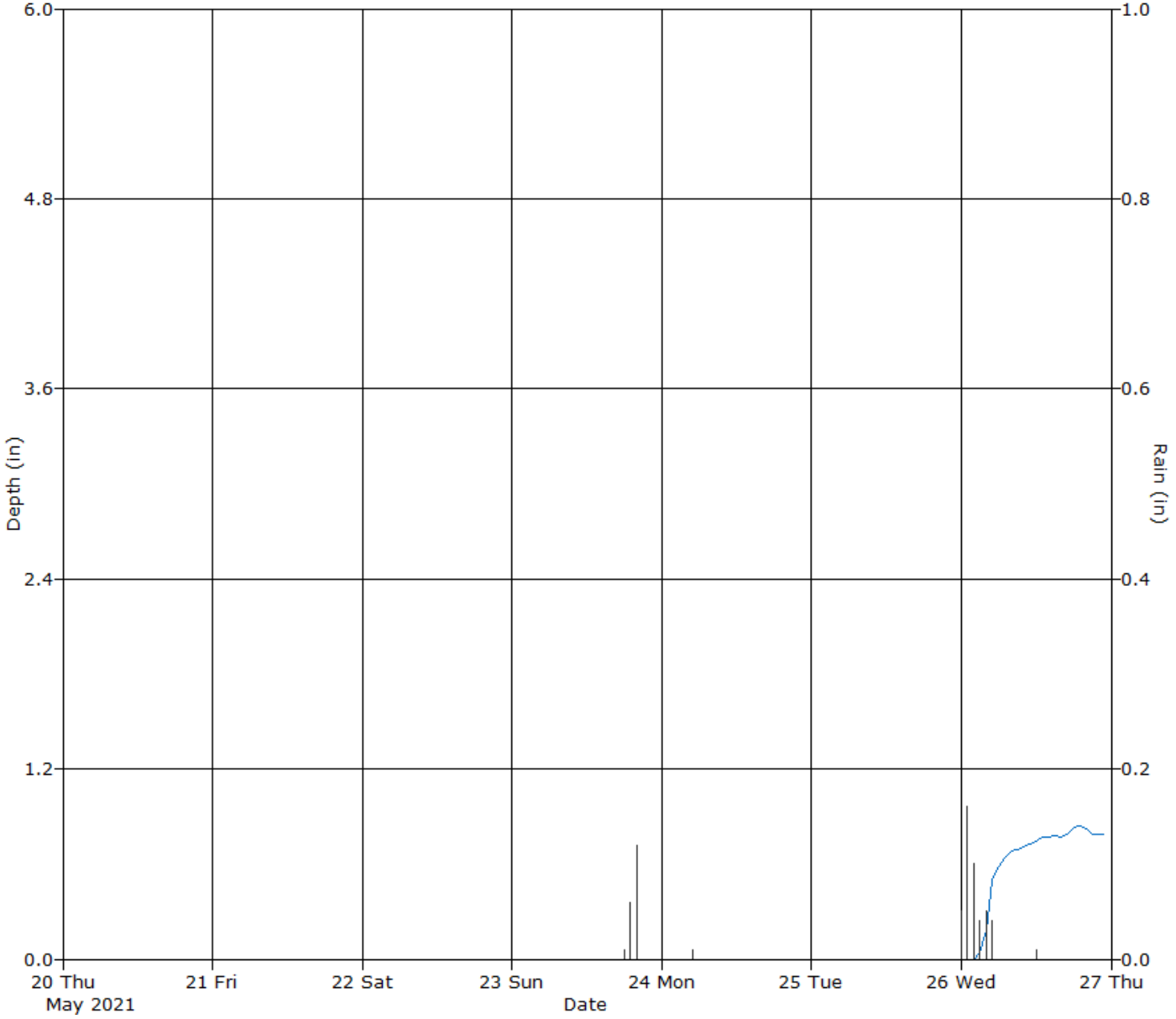


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Rain



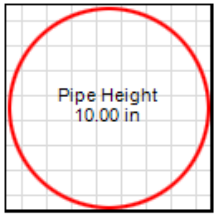
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

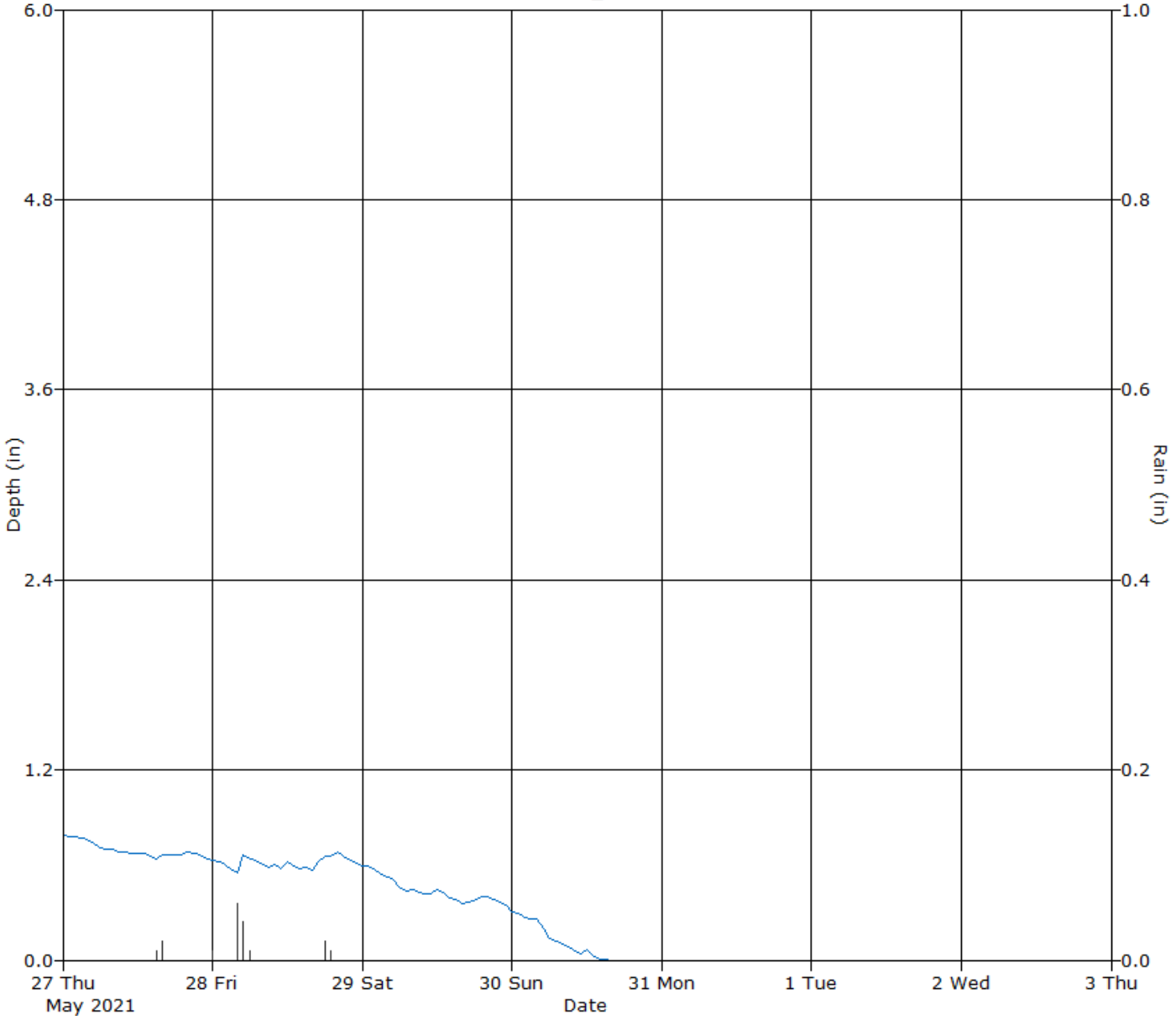


Report Period

5/27/2021
To
6/2/2021

Legend

Depth
Rain



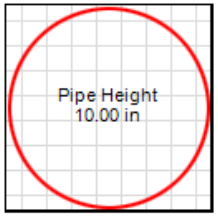
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

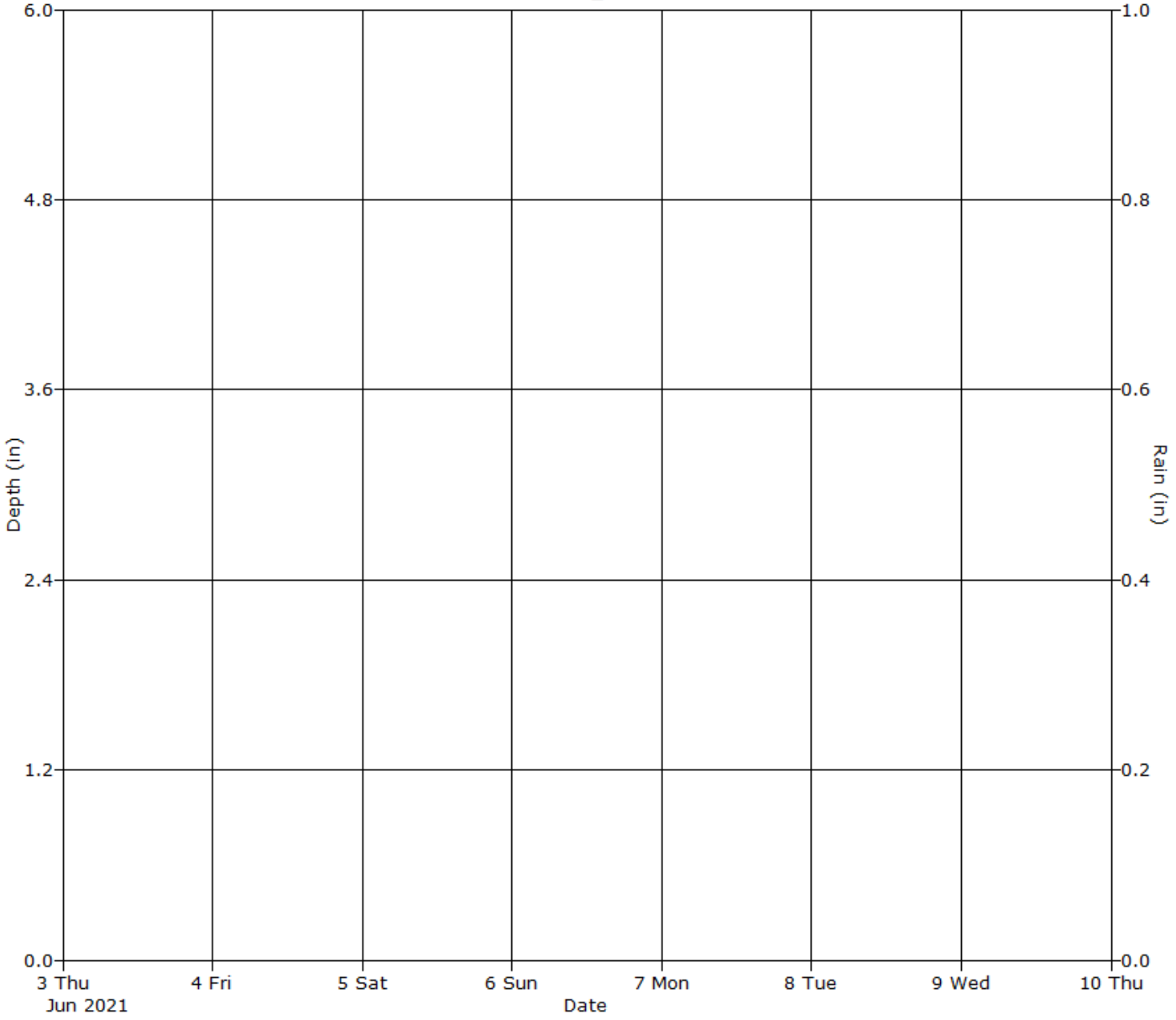


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Rain



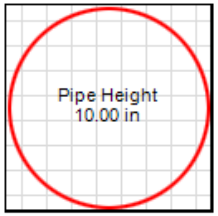
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

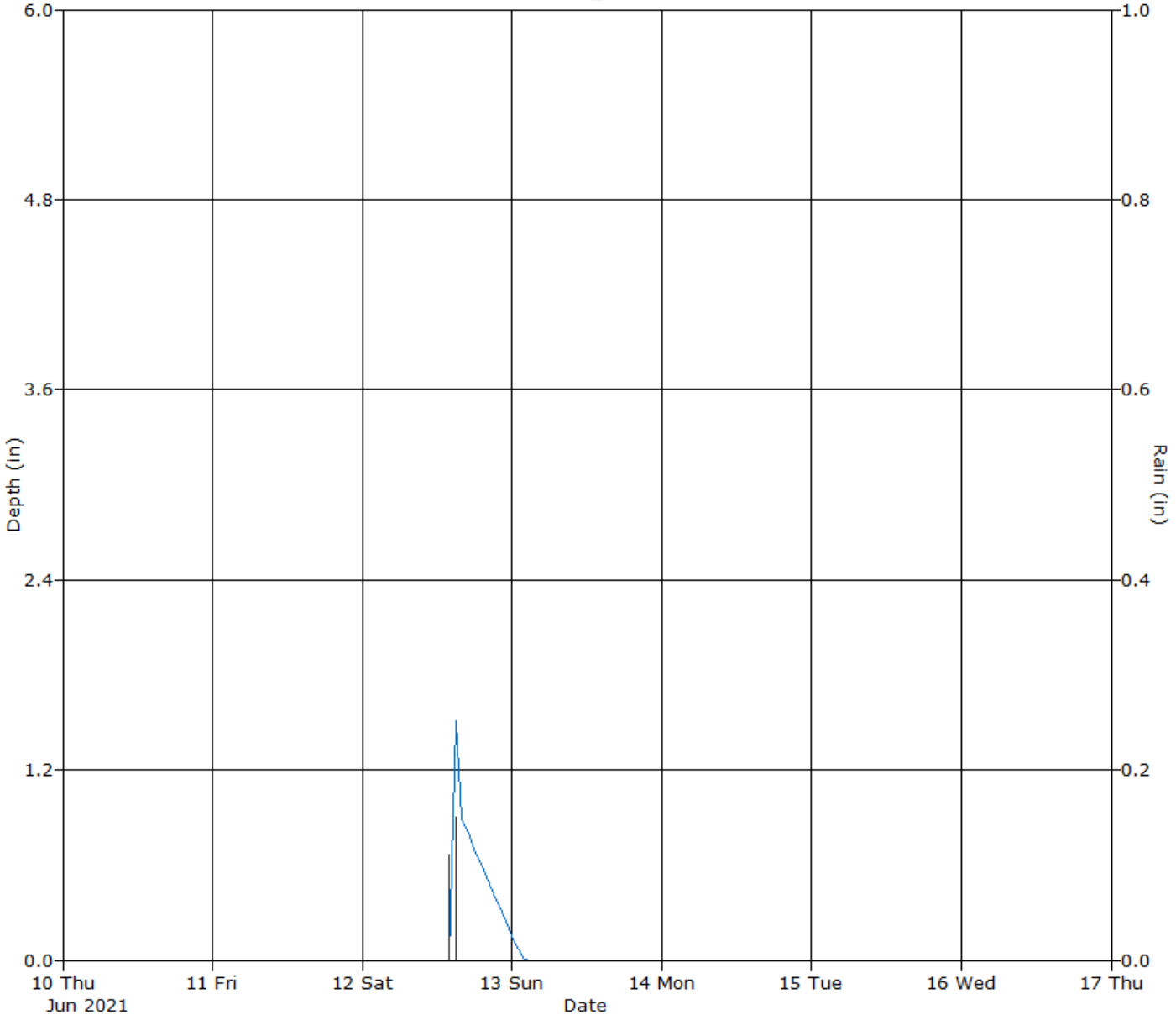


Report Period

6/10/2021
To
6/16/2021

Legend

Depth
Rain



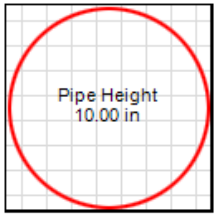
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

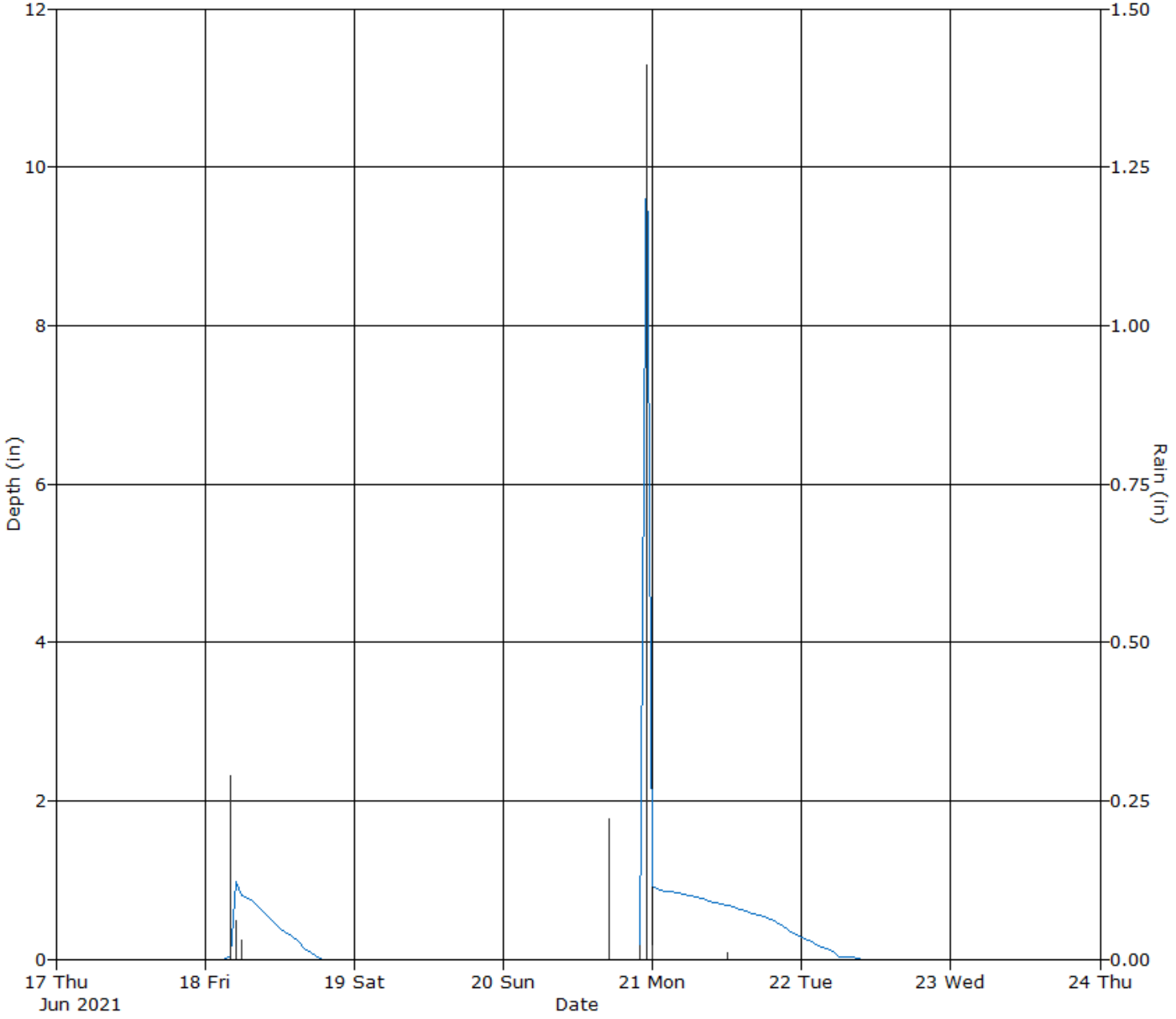


Report Period

6/17/2021
To
6/23/2021

Legend

Depth
Rain



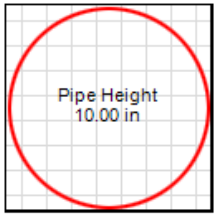
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

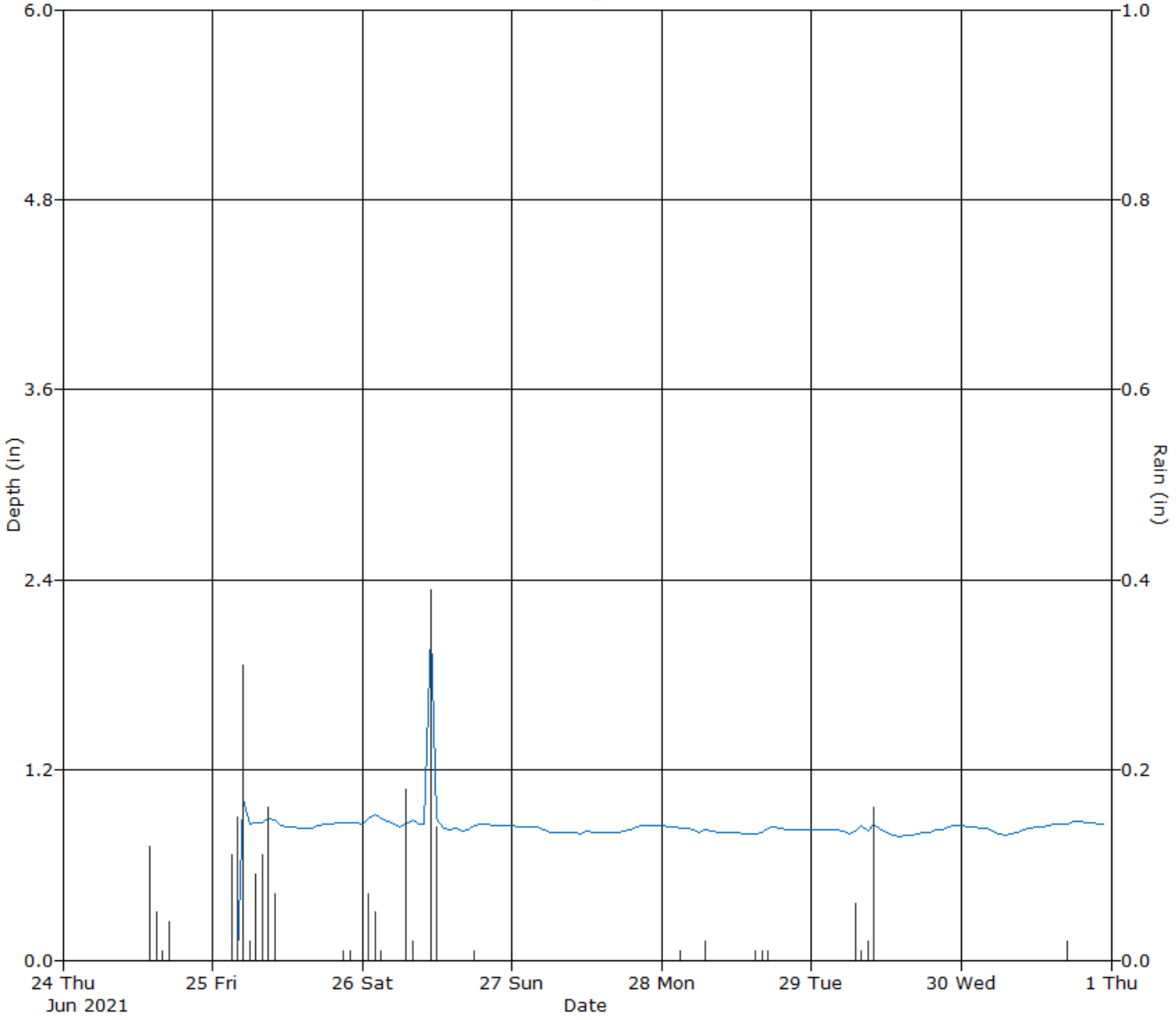


Report Period

6/24/2021
To
6/30/2021

Legend

Depth
Rain



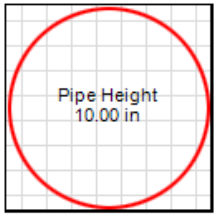
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

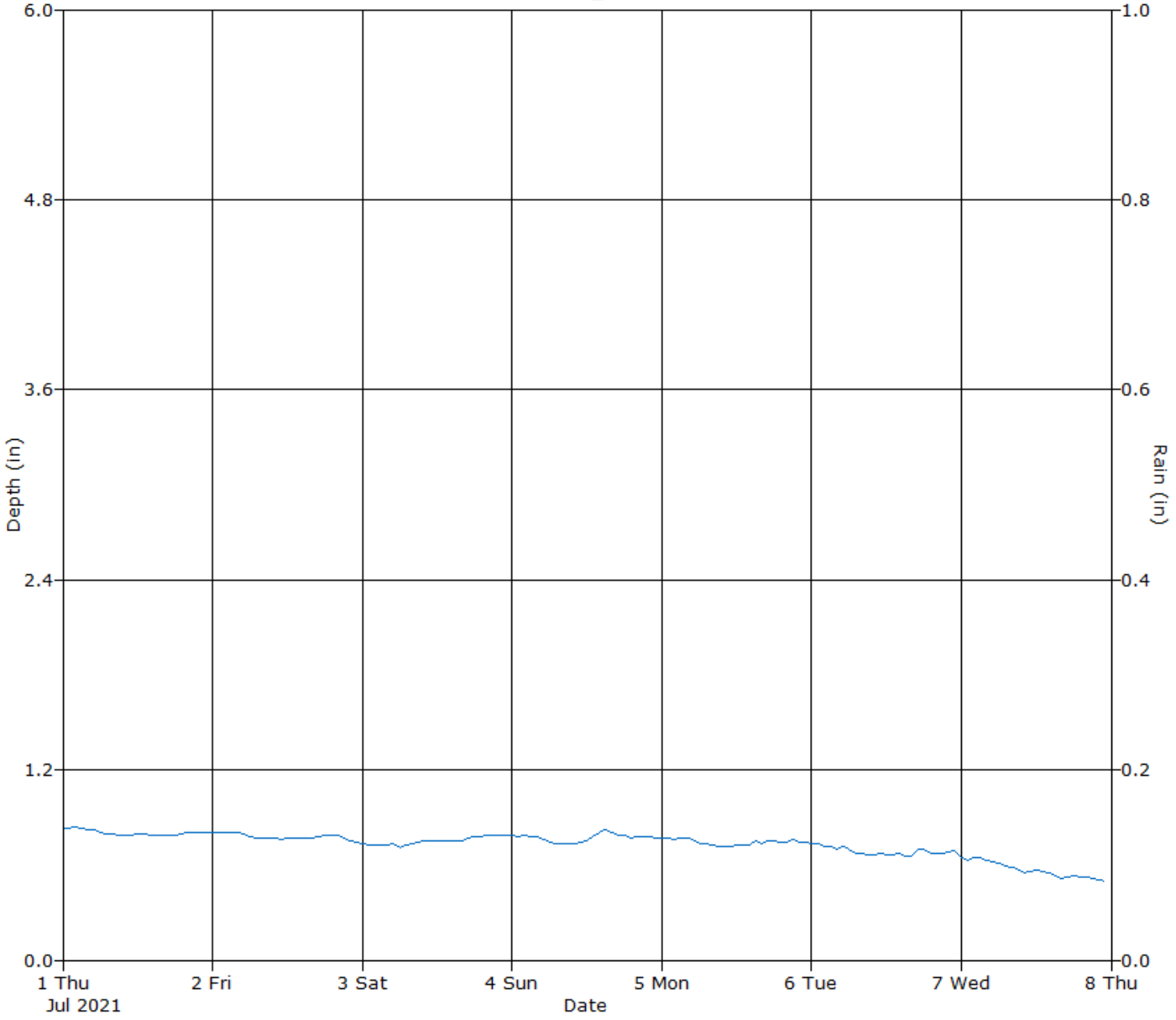


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Rain



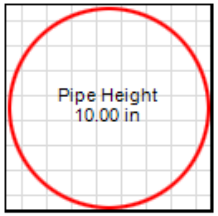
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

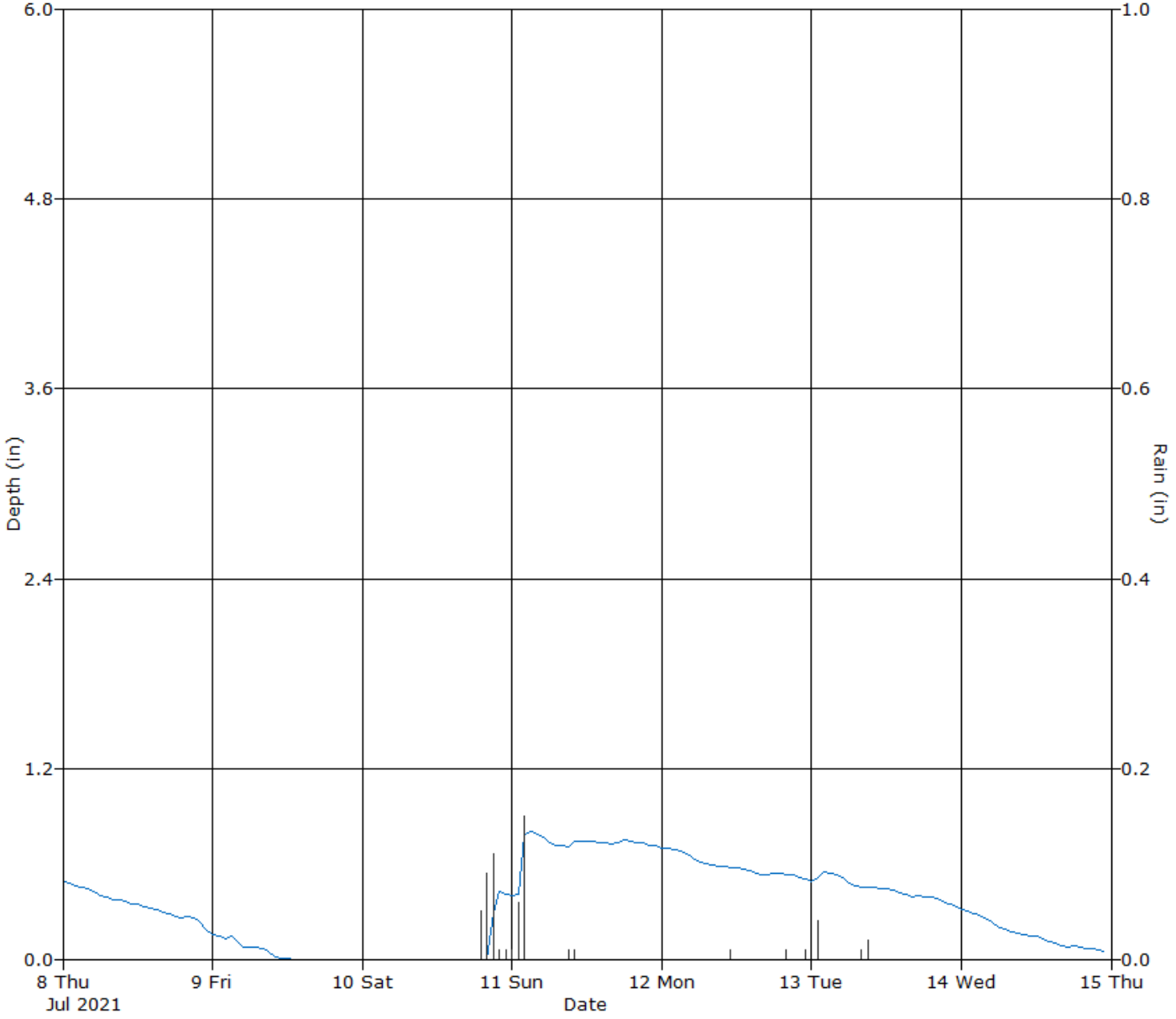


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Rain



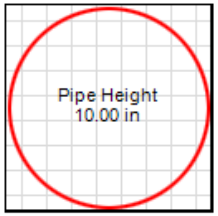
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

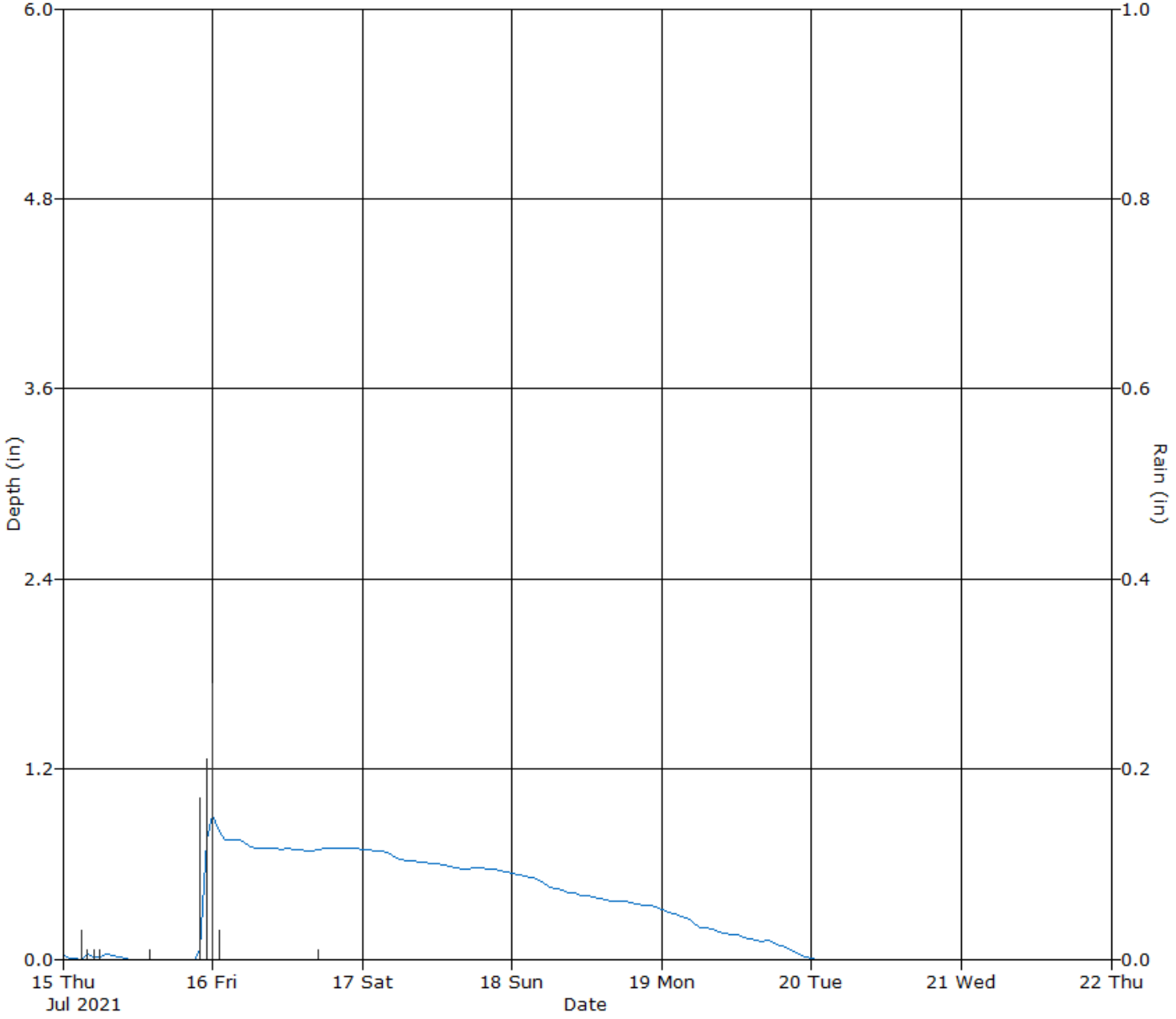


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Rain



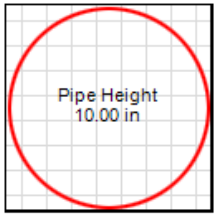
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

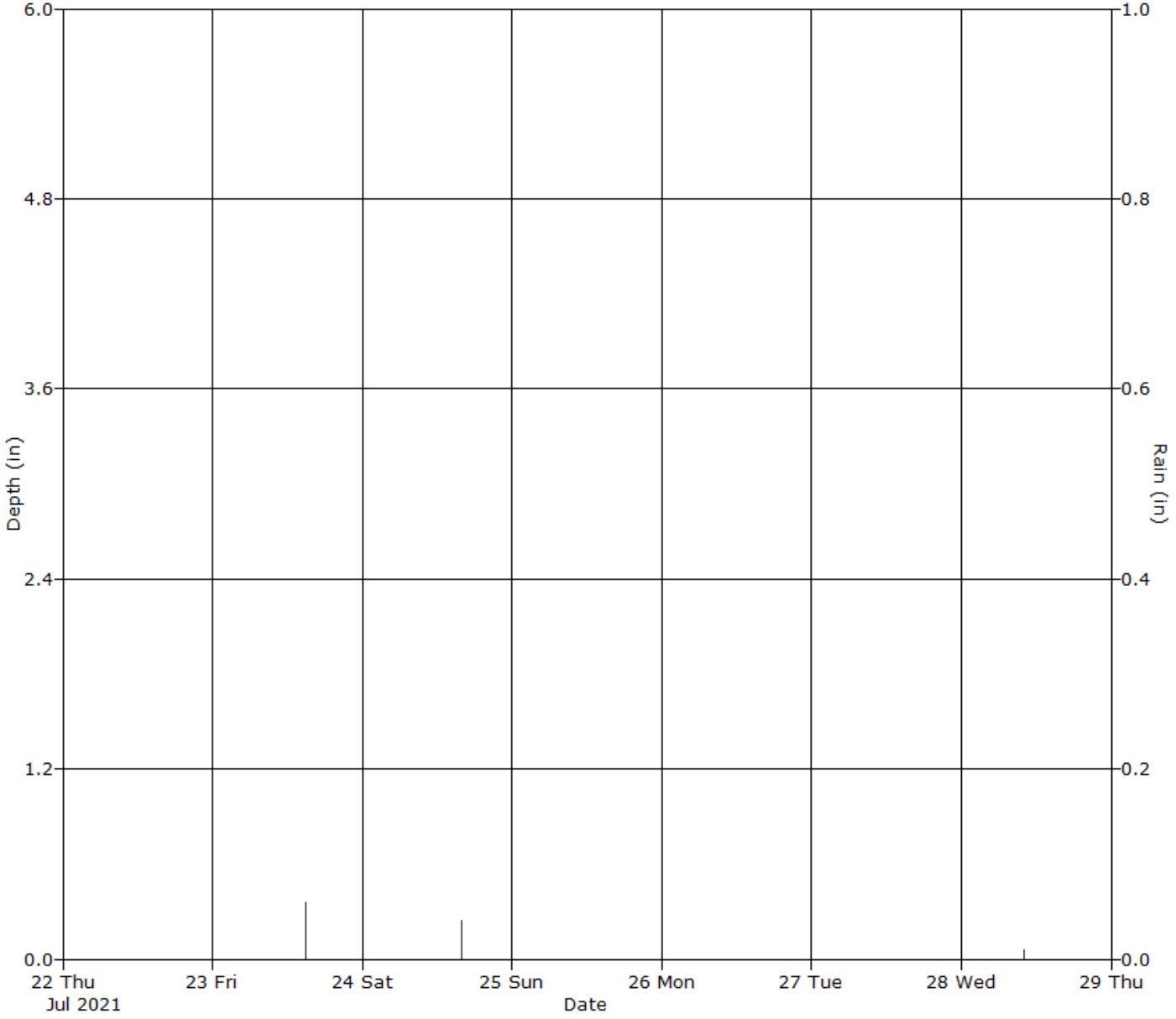


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Rain



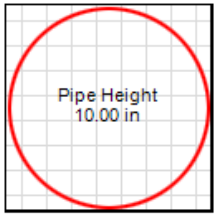
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

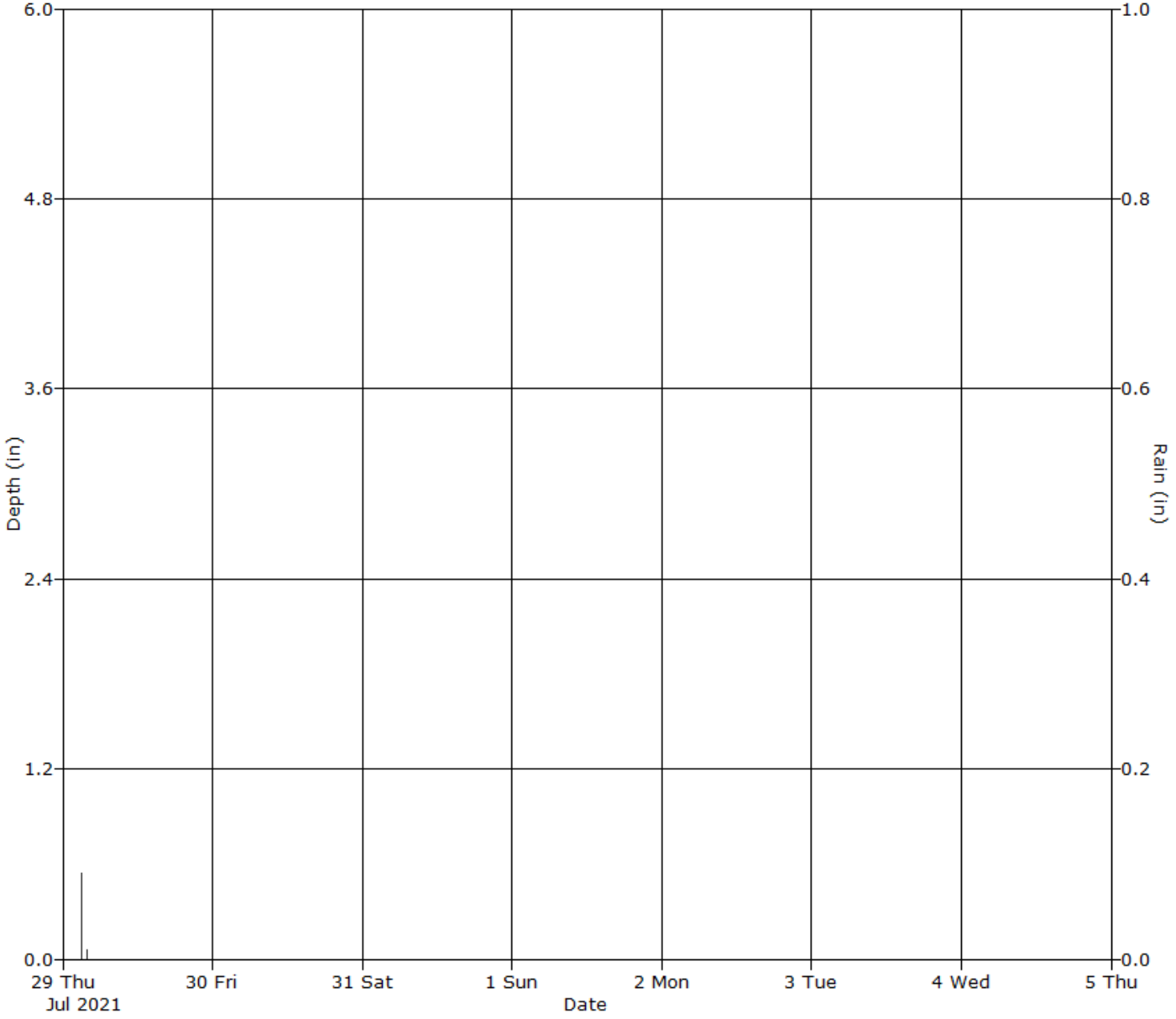


Report Period

7/29/2021
To
8/4/2021

Legend

Depth
Rain



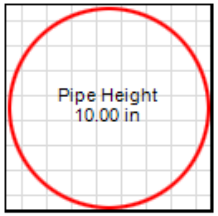
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

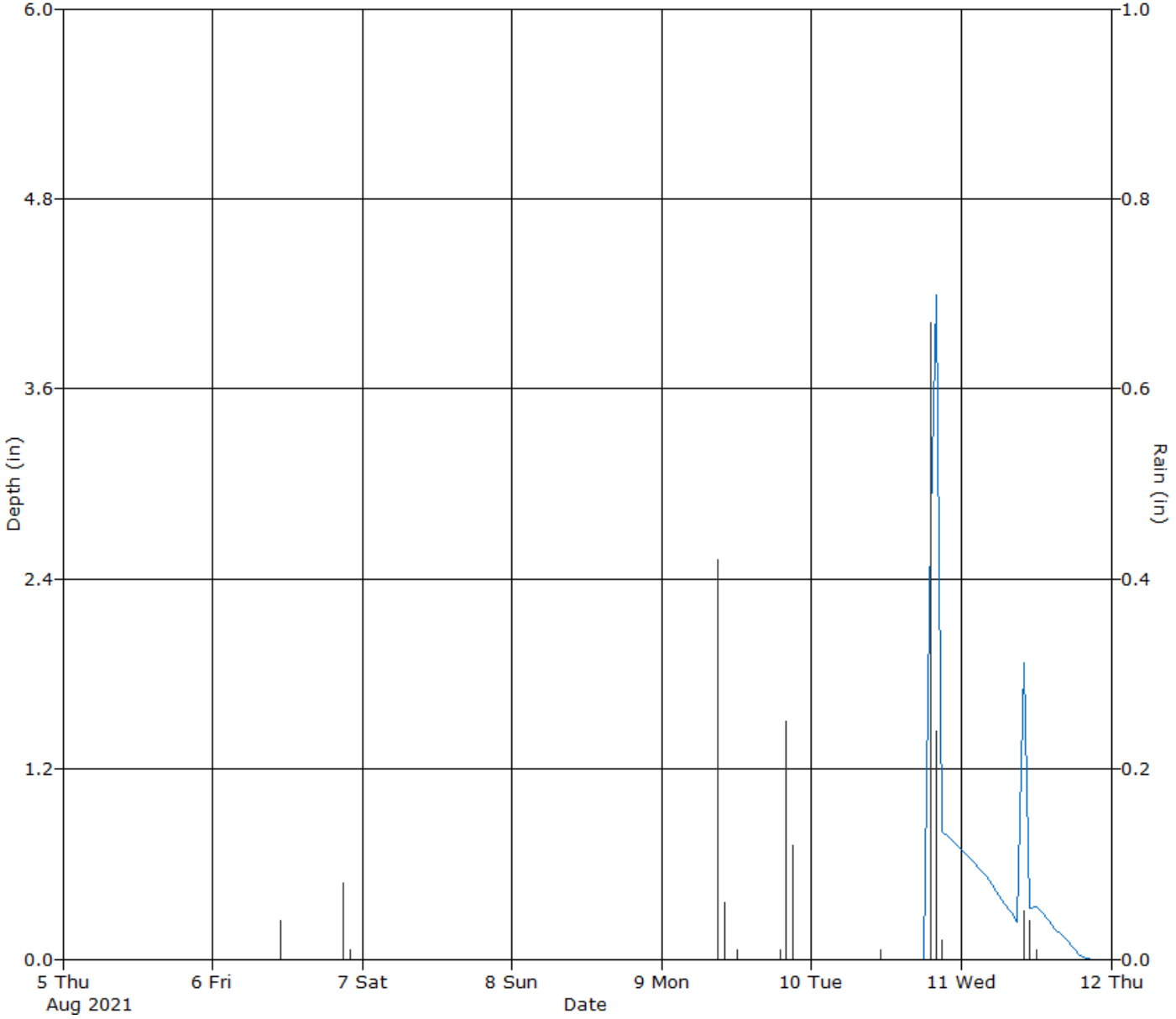


Report Period

8/5/2021
To
8/11/2021

Legend

Depth
Rain



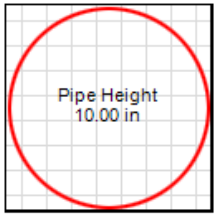
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

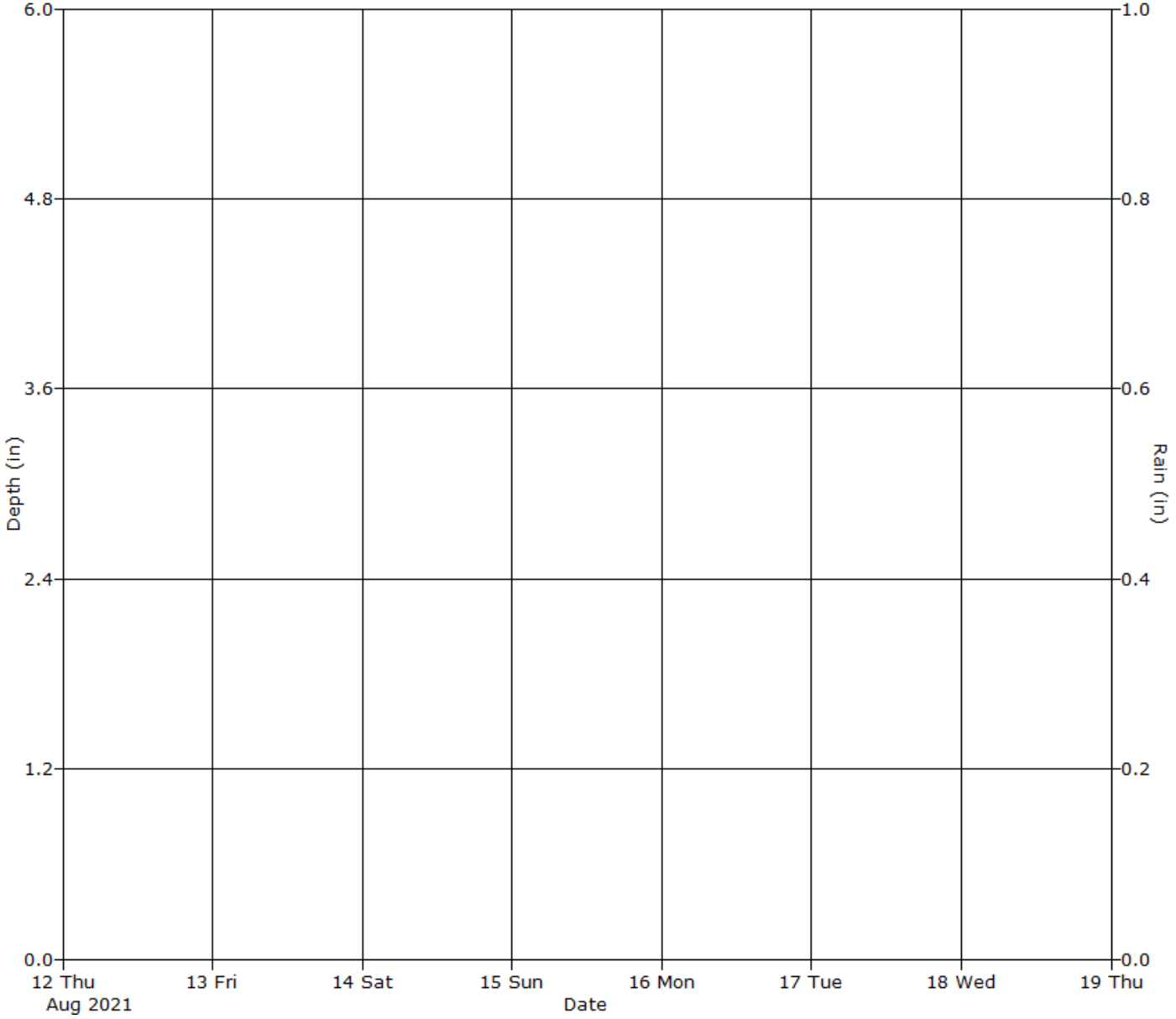


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Rain



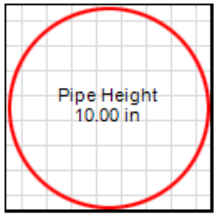
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

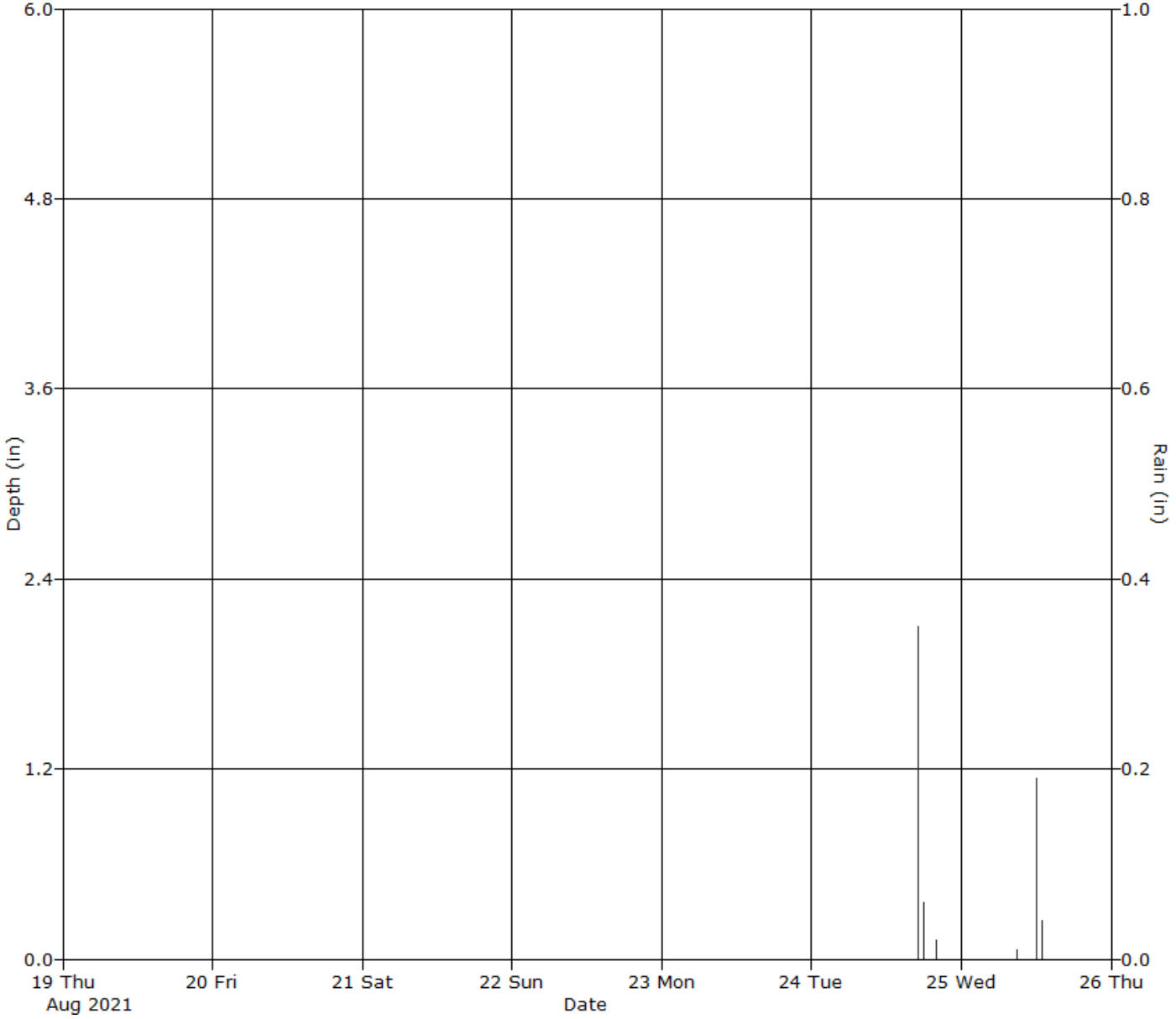


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Rain



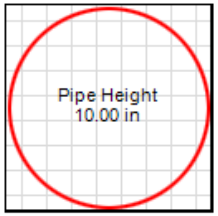
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL03

Flow Monitor

EVANSTON_LEVEL03

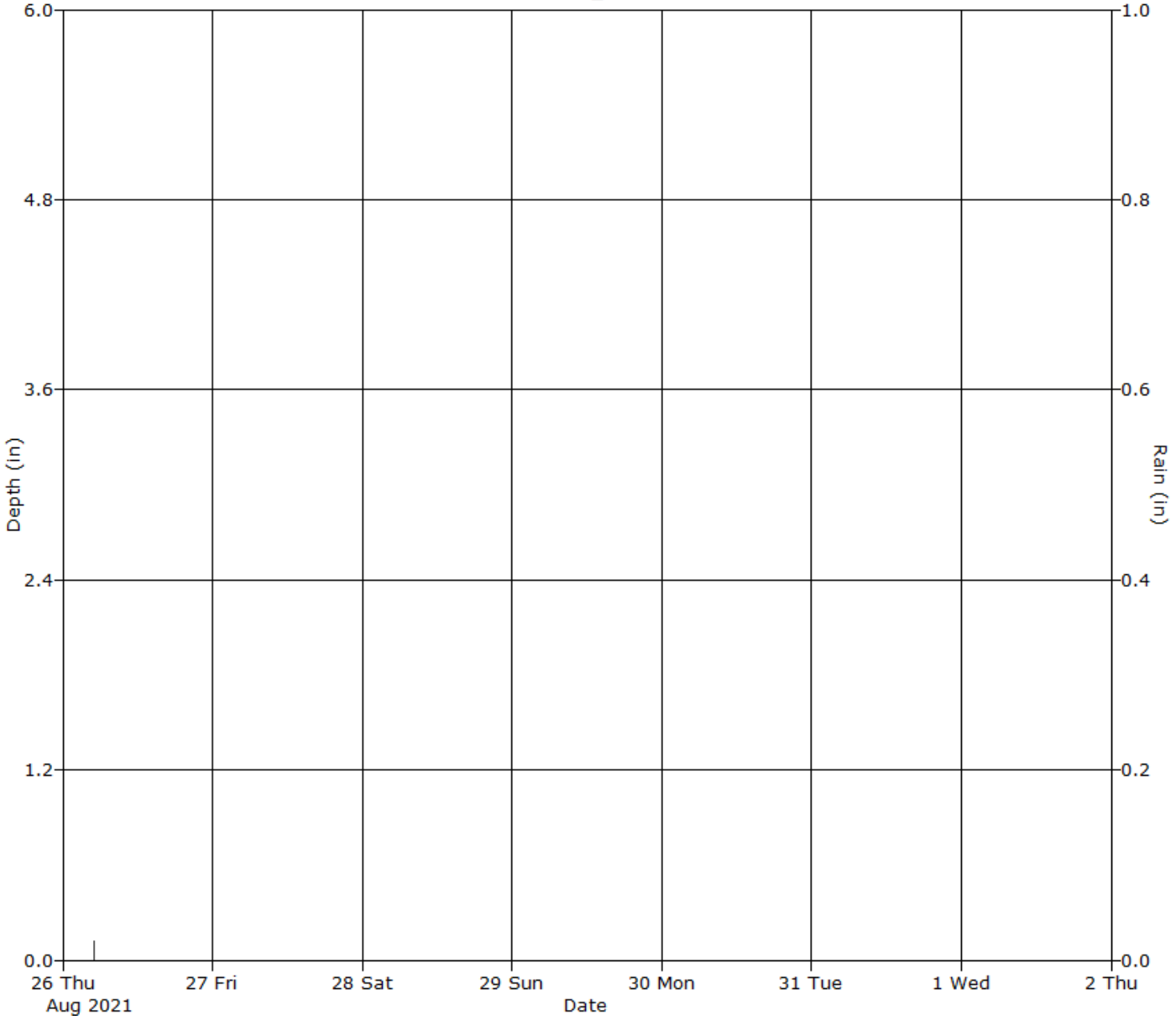


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_LEVEL03, Pipe Height: 10.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021																	
04/17/2021																	
04/18/2021																	
04/19/2021																	
04/20/2021																	
04/21/2021																	
04/22/2021																	
04/23/2021																	
04/24/2021																	
04/25/2021																	
04/26/2021																	
04/27/2021																	
04/28/2021																	0.03
04/29/2021																	0.16
04/30/2021																	0.01
05/01/2021																	
05/02/2021																	
05/03/2021																	0.11
05/04/2021																	
05/05/2021																	
05/06/2021																	0.04
05/07/2021																	
05/08/2021																	
05/09/2021																	0.02
05/10/2021																	
05/11/2021																	
05/12/2021																	
05/13/2021																	
05/14/2021																	
05/15/2021	00:05	0.00	00:05	0.00	0.00												
05/16/2021	00:00	0.00	00:00	0.00	0.00												0.01

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	00:00	0.00	00:00	0.00	0.00												
05/18/2021	00:00	0.00	00:00	0.00	0.00												0.07
05/19/2021	00:00	0.00	00:00	0.00	0.00												0.06
05/20/2021	00:00	0.00	00:00	0.00	0.00												
05/21/2021	00:00	0.00	00:00	0.00	0.00												
05/22/2021	00:00	0.00	00:00	0.00	0.00												
05/23/2021	00:00	0.00	00:00	0.00	0.00												0.19
05/24/2021	00:00	0.00	00:00	0.00	0.00												0.01
05/25/2021	00:00	0.00	00:00	0.00	0.00												
05/26/2021	00:00	0.00	19:45	0.88	0.59												0.45
05/27/2021	15:00	0.60	00:45	0.80	0.70												0.03
05/28/2021	04:20	0.50	05:20	0.73	0.61												0.15
05/29/2021	23:55	0.33	00:15	0.65	0.44												
05/30/2021	14:35	0.00	00:55	0.32	0.09												
05/31/2021	00:00	0.00	00:00	0.00	0.00												
06/01/2021	00:00	0.00	00:00	0.00	0.00												
06/02/2021	00:00	0.00	00:00	0.00	0.00												
06/03/2021	00:00	0.00	00:00	0.00	0.00												
06/04/2021	00:00	0.00	00:00	0.00	0.00												
06/05/2021	00:00	0.00	00:00	0.00	0.00												
06/06/2021	00:00	0.00	00:00	0.00	0.00												
06/07/2021	00:00	0.00	00:00	0.00	0.00												
06/08/2021	00:00	0.00	00:00	0.00	0.00												
06/09/2021	00:00	0.00	00:00	0.00	0.00												
06/10/2021	00:00	0.00	00:00	0.00	0.00												
06/11/2021	00:00	0.00	00:00	0.00	0.00												
06/12/2021	00:00	0.00	15:05	6.79	0.25												0.26
06/13/2021	02:10	0.00	00:10	0.18	0.01												
06/14/2021	00:00	0.00	00:00	0.00	0.00												
06/15/2021	00:00	0.00	00:00	0.00	0.00												
06/16/2021	00:00	0.00	00:00	0.00	0.00												
06/17/2021	00:00	0.00	00:00	0.00	0.00												
06/18/2021	00:00	0.00	05:00	1.66	0.27												0.38
06/19/2021	00:00	0.00	00:00	0.00	0.00												
06/20/2021	00:00	0.00	23:40	19.32	0.44												1.65
06/21/2021	23:55	0.30	00:00	0.99	0.67												0.03
06/22/2021	08:35	0.00	00:35	0.29	0.05												
06/23/2021	00:00	0.00	00:00	0.00	0.00												
06/24/2021	00:00	0.00	00:00	0.00	0.00												0.22
06/25/2021	00:00	0.00	05:05	2.95	0.69												1.04
06/26/2021	16:50	0.79	11:45	13.09	0.91												0.87
06/27/2021	10:55	0.79	22:10	0.86	0.82												
06/28/2021	15:40	0.79	17:50	0.86	0.82												0.06
06/29/2021	13:45	0.77	08:05	0.89	0.82												0.25
06/30/2021	08:00	0.78	15:45	0.92	0.84												0.02
07/01/2021	17:50	0.78	00:00	0.85	0.80												
07/02/2021	23:25	0.73	01:25	0.81	0.78												
07/03/2021	06:45	0.69	20:30	0.81	0.75												
07/04/2021	12:05	0.73	15:20	0.89	0.77												
07/05/2021	11:10	0.71	17:45	0.81	0.74												
07/06/2021	15:55	0.64	17:10	0.76	0.69												
07/07/2021	23:55	0.49	00:00	0.68	0.57												
07/08/2021	23:45	0.16	00:10	0.50	0.35												
07/09/2021	10:10	0.00	00:05	0.17	0.04												
07/10/2021	00:00	0.00	22:45	0.43	0.05												0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	01:00	0.38	02:25	0.85	0.71												0.24
07/12/2021	23:55	0.50	00:15	0.71	0.59												0.03
07/13/2021	23:50	0.33	02:05	0.55	0.44												0.07
07/14/2021	23:55	0.03	00:00	0.32	0.16												
07/15/2021	01:10	0.00	23:50	0.91	0.04												0.45
07/16/2021	16:50	0.68	00:15	0.94	0.72												0.33
07/17/2021	23:35	0.55	00:15	0.69	0.61												
07/18/2021	23:55	0.32	00:10	0.54	0.42												
07/19/2021	23:50	0.01	00:05	0.32	0.16												
07/20/2021	00:05	0.00	00:00	0.00	0.00												
07/21/2021	00:00	0.00	00:00	0.00	0.00												
07/22/2021	00:00	0.00	00:00	0.00	0.00												
07/23/2021	00:00	0.00	00:00	0.00	0.00												0.06
07/24/2021	00:00	0.00	00:00	0.00	0.00												0.04
07/25/2021	00:00	0.00	00:00	0.00	0.00												
07/26/2021	00:00	0.00	00:00	0.00	0.00												
07/27/2021	00:00	0.00	00:00	0.00	0.00												
07/28/2021	00:00	0.00	00:00	0.00	0.00												0.01
07/29/2021	00:00	0.00	00:00	0.00	0.00												0.10
07/30/2021	00:00	0.00	00:00	0.00	0.00												
07/31/2021	00:00	0.00	00:00	0.00	0.00												
08/01/2021	00:00	0.00	00:00	0.00	0.00												
08/02/2021	00:00	0.00	00:00	0.00	0.00												
08/03/2021	00:00	0.00	00:00	0.00	0.00												
08/04/2021	00:00	0.00	00:00	0.00	0.00												
08/05/2021	00:00	0.00	00:00	0.00	0.00												
08/06/2021	00:00	0.00	00:00	0.00	0.00												0.13
08/07/2021	00:00	0.00	00:00	0.00	0.00												
08/08/2021	00:00	0.00	00:00	0.00	0.00												
08/09/2021	00:00	0.00	00:00	0.00	0.00												0.87
08/10/2021	00:00	0.00	19:55	17.62	0.39												0.94
08/11/2021	19:55	0.00	10:20	20.20	0.35												0.10
08/12/2021	00:00	0.00	00:00	0.00	0.00												
08/13/2021	00:00	0.00	00:00	0.00	0.00												
08/14/2021	00:00	0.00	00:00	0.00	0.00												
08/15/2021	00:00	0.00	00:00	0.00	0.00												
08/16/2021	00:00	0.00	00:00	0.00	0.00												
08/17/2021	00:00	0.00	00:00	0.00	0.00												
08/18/2021	00:00	0.00	00:00	0.00	0.00												
08/19/2021	00:00	0.00	00:00	0.00	0.00												
08/20/2021	00:00	0.00	00:00	0.00	0.00												
08/21/2021	00:00	0.00	00:00	0.00	0.00												
08/22/2021	00:00	0.00	00:00	0.00	0.00												
08/23/2021	00:00	0.00	00:00	0.00	0.00												
08/24/2021	00:00	0.00	00:00	0.00	0.00												0.43
08/25/2021																	0.24
08/26/2021																	0.02
08/27/2021																	
08/28/2021																	
08/29/2021																	
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Rain (in)
Total		11.39
Avg	0.19	

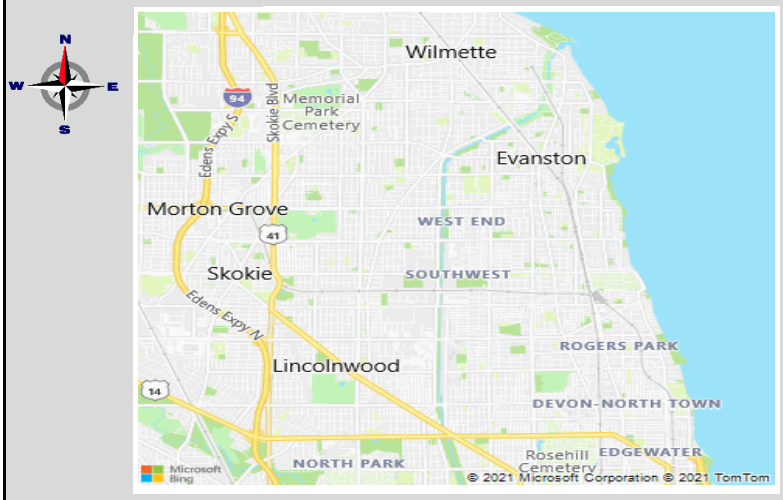
Evanston, IL

Flow Monitoring Site Report

SITE NAME

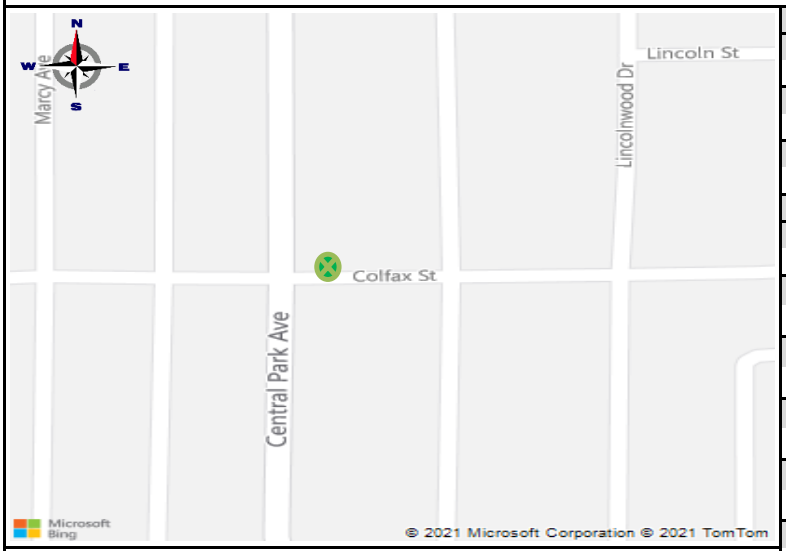
LEVEL05

Site Address /Location:	2960 Colfax St.			Monitor Series	Location Type
				ECHO	Temporary
Site Access Details:	in road	Latitude:	42.0606753	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.717385	42.00 x 42.00	Circular



Manhole #	System Characteristics
B06_07405	Residential
Access	Traffic
Drive	Medium







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, May 06, 2021	Bar Mount
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
ECHO Depth	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
3:00:00 PM	42.00 x 42.00
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
3.75	151.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
26.5	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0	
Silt (in)	Silt Type
0	

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
15.1	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Liner	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

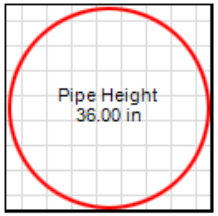
Additional Site Info. / Comments:

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

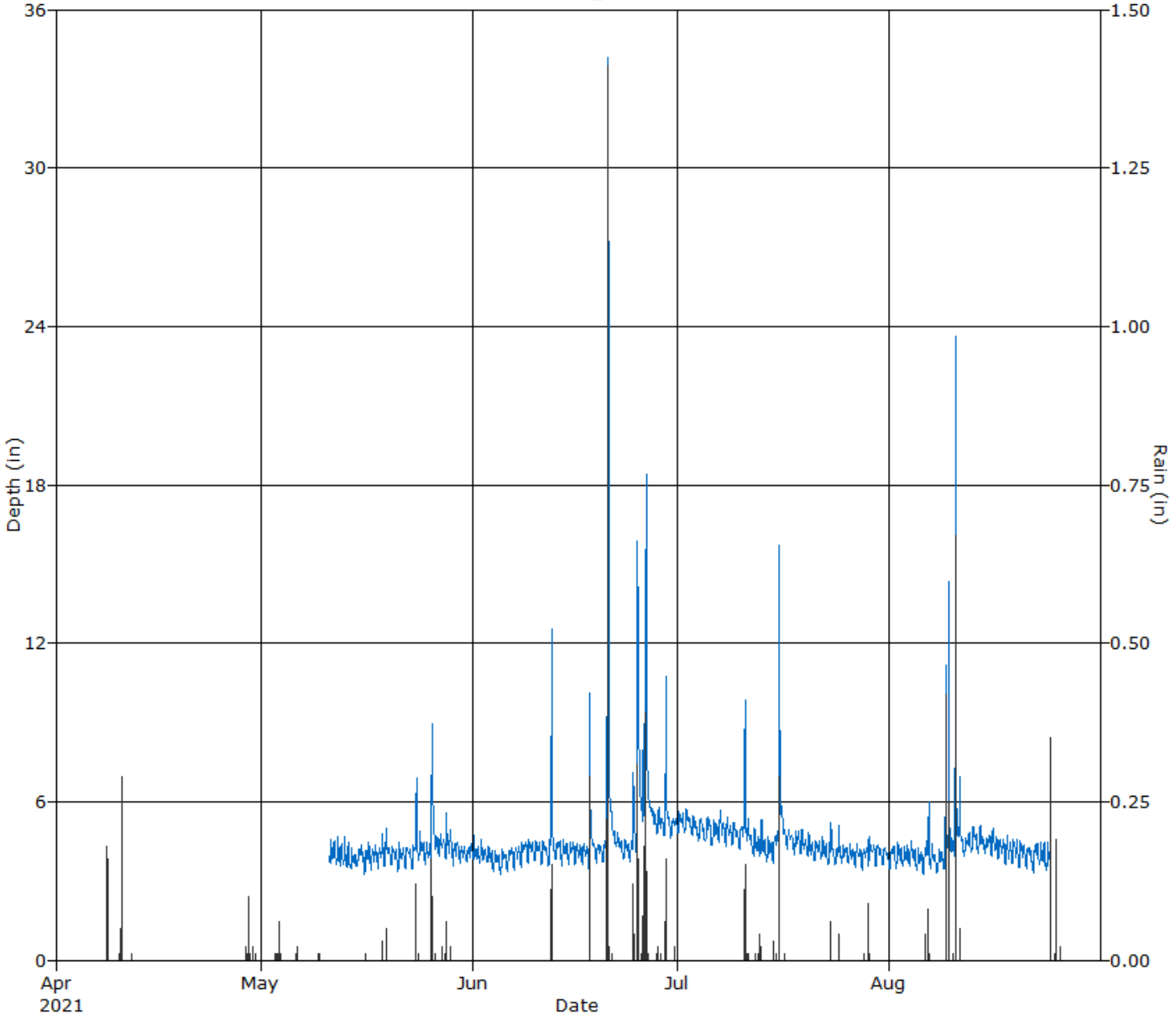


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Rain



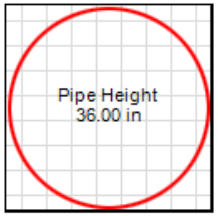
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

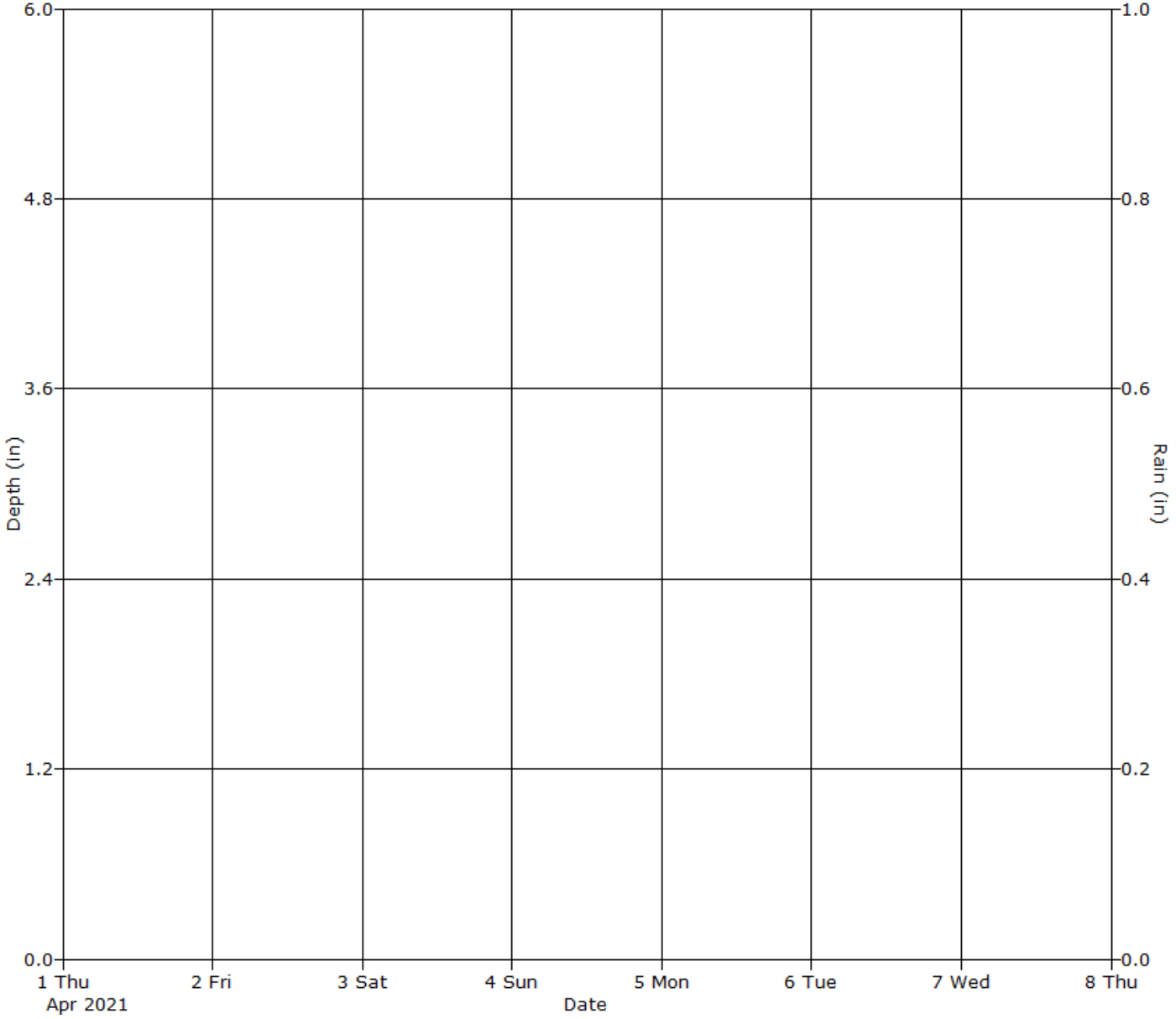


Report Period

4/1/2021
To
4/7/2021

Legend

Depth
Rain



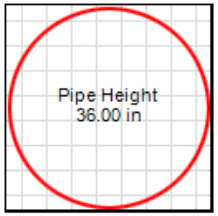
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

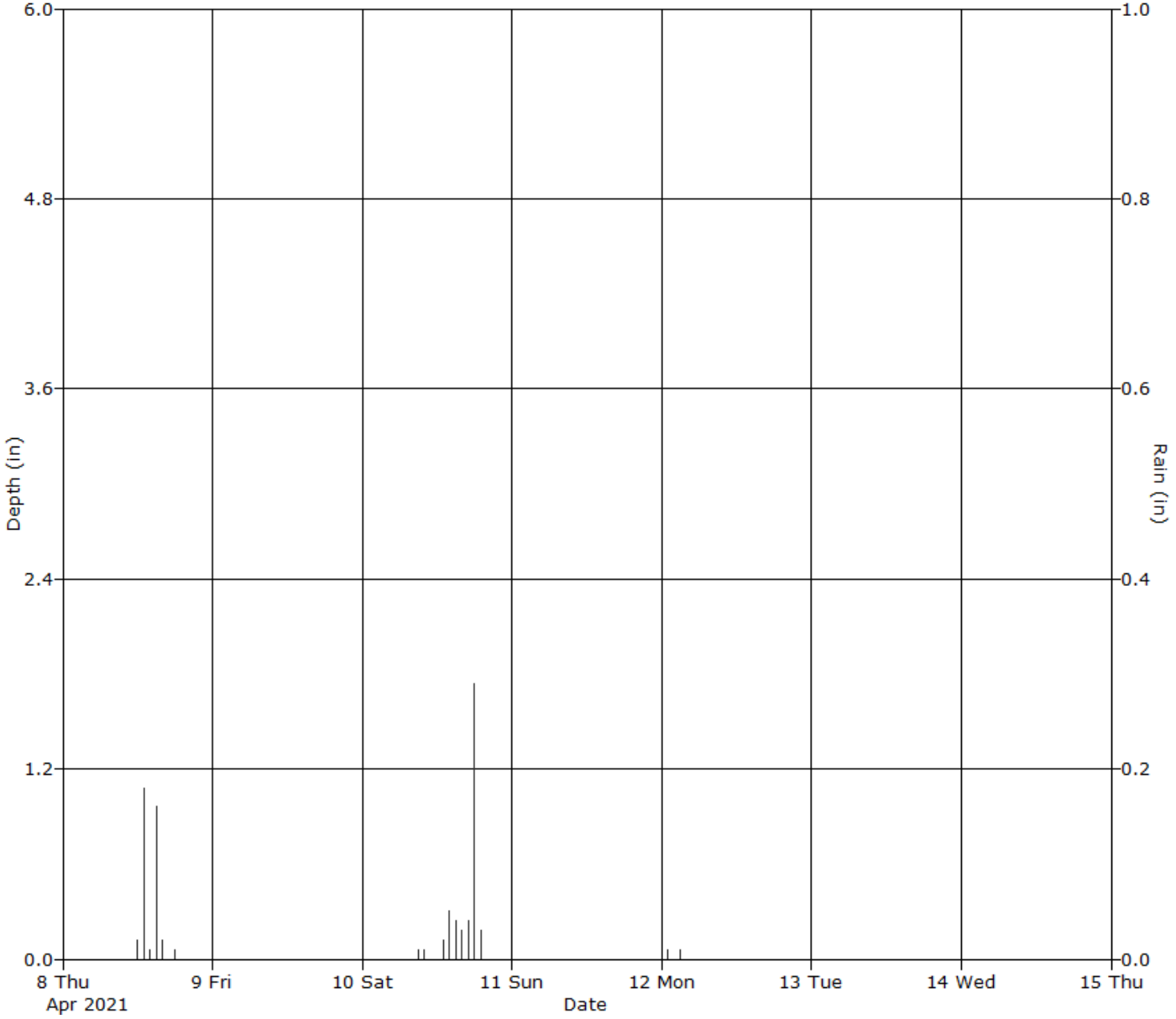


Report Period

4/8/2021
To
4/14/2021

Legend

Depth
Rain



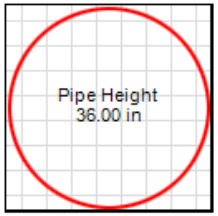
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

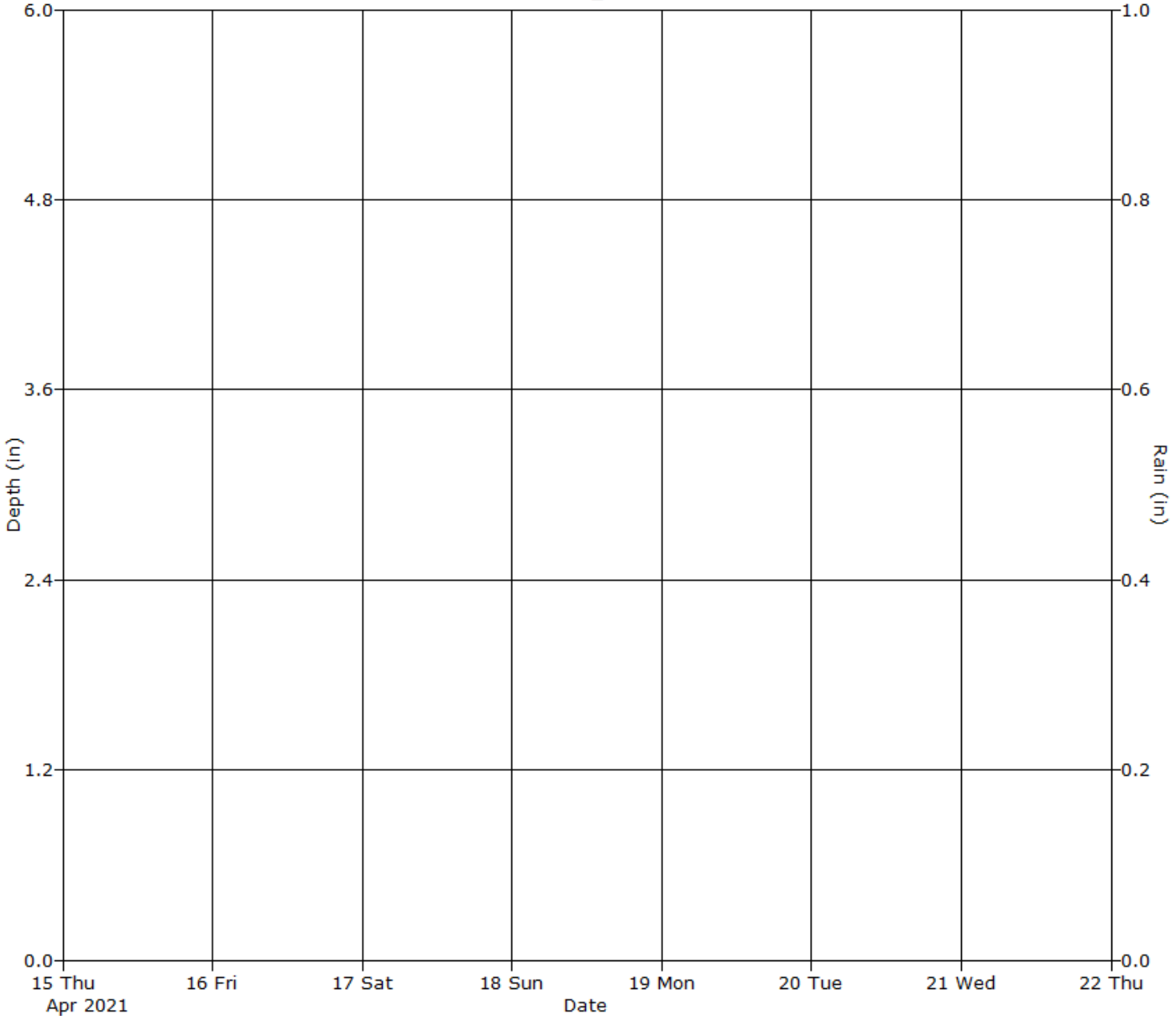


Report Period

4/15/2021
To
4/21/2021

Legend

Depth
Rain



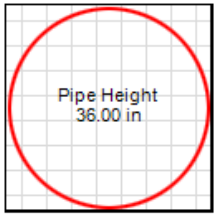
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

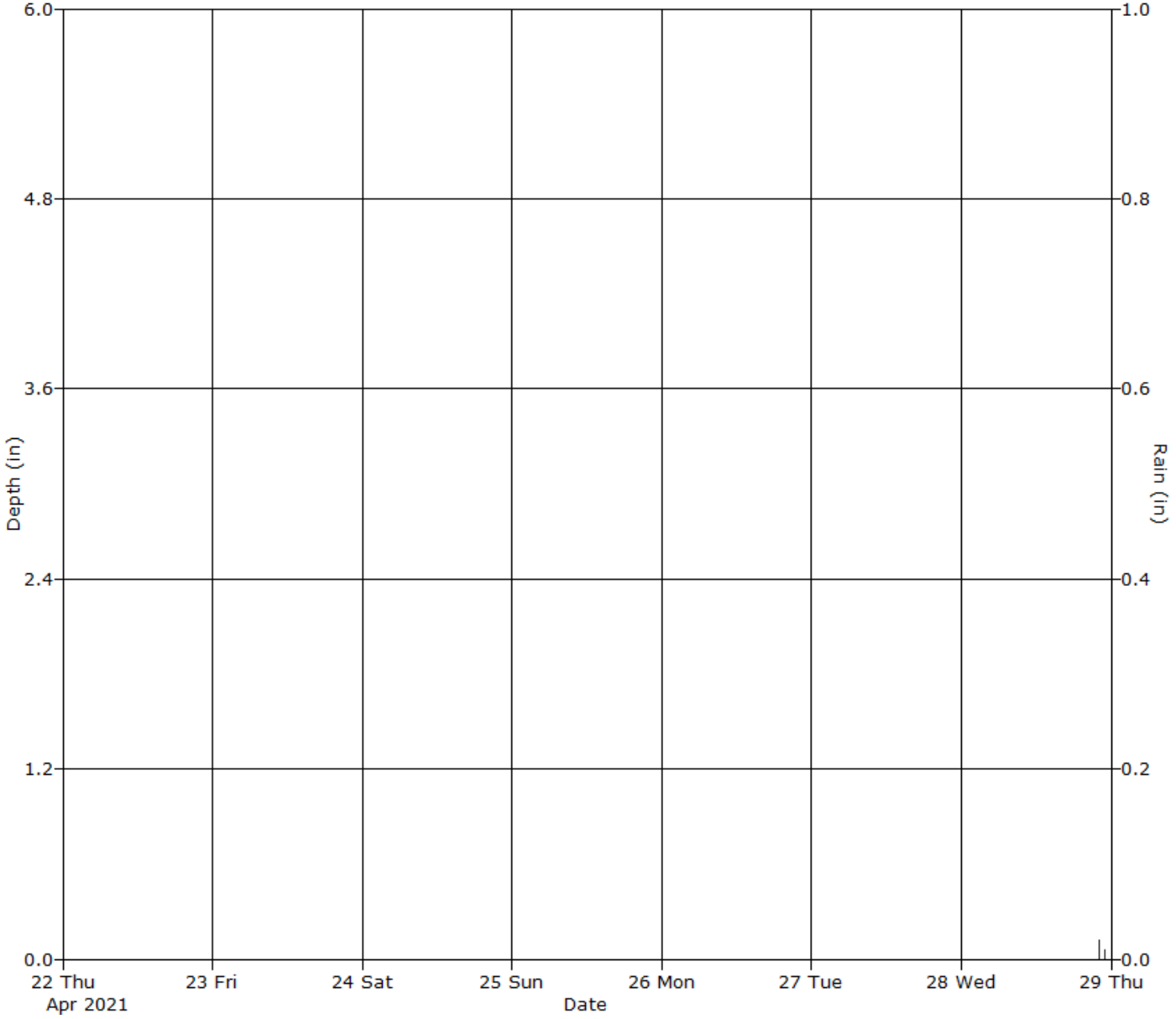


Report Period

4/22/2021
To
4/28/2021

Legend

Depth
Rain



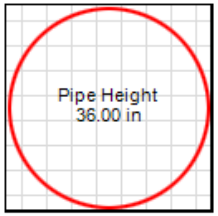
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

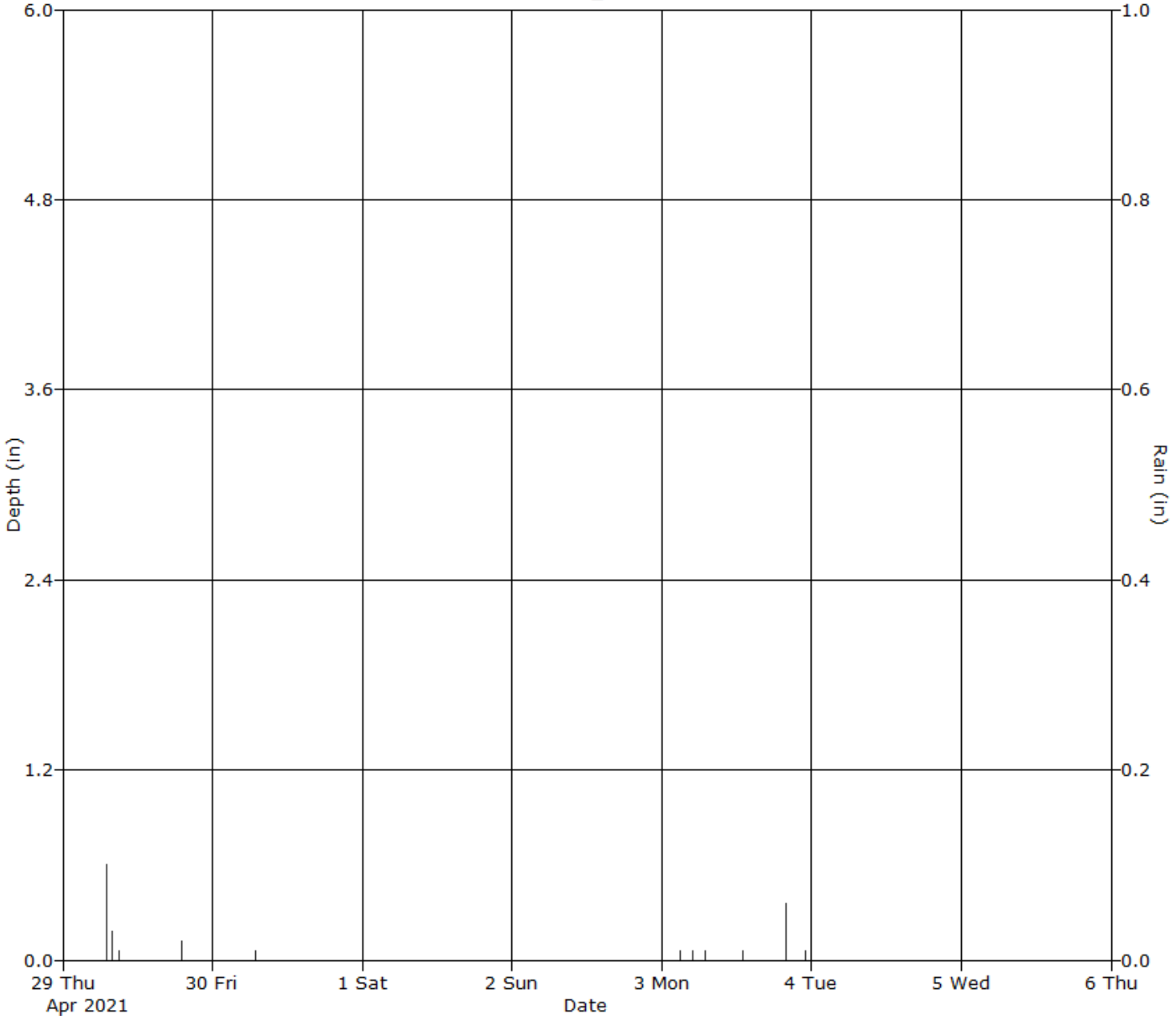


Report Period

4/29/2021
To
5/5/2021

Legend

Depth
Rain



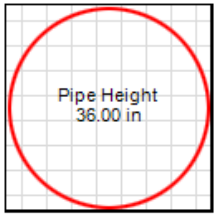
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

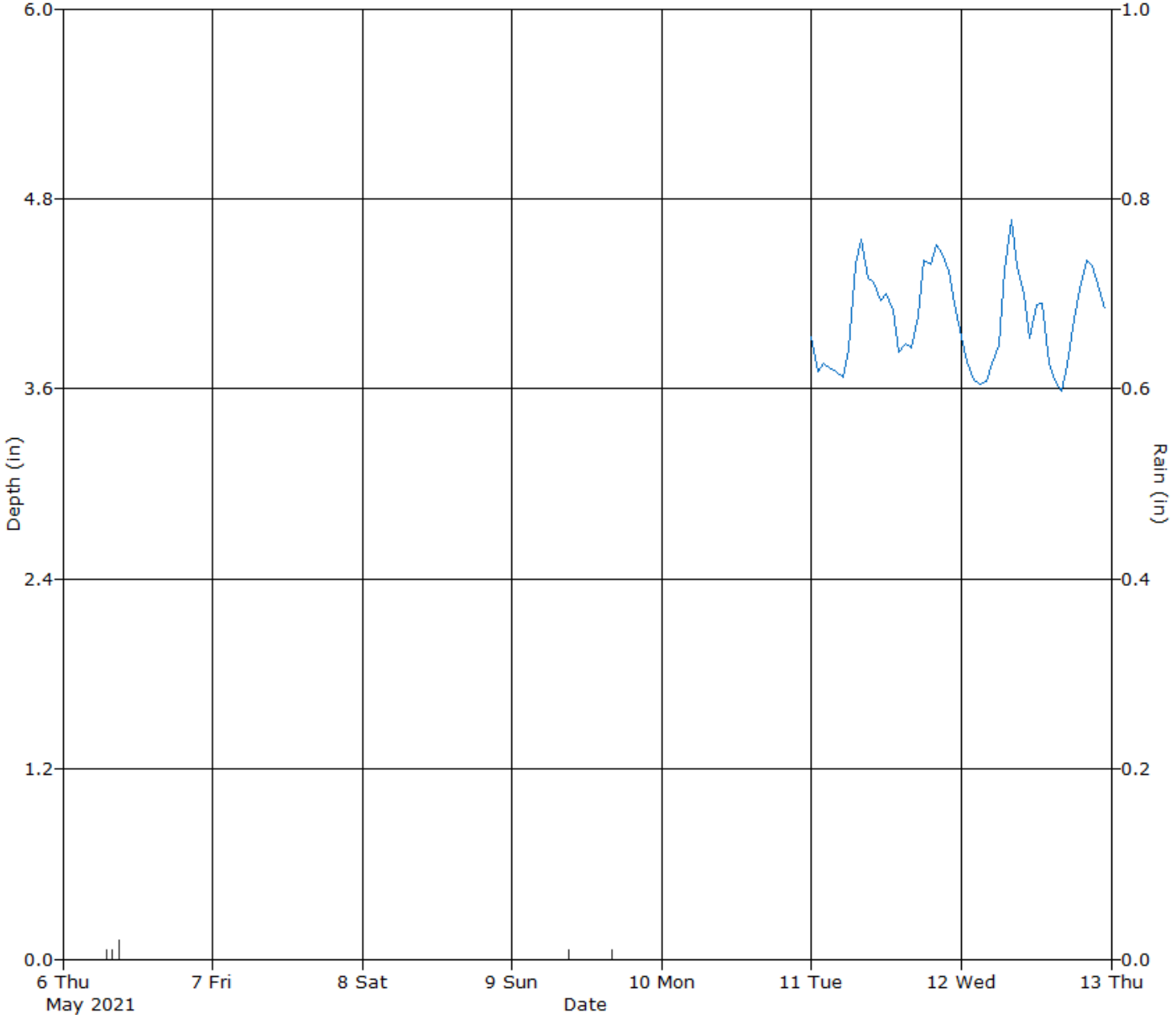


Report Period

5/6/2021
To
5/12/2021

Legend

Depth
Rain



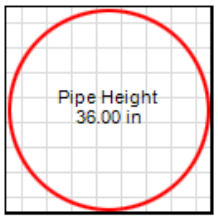
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

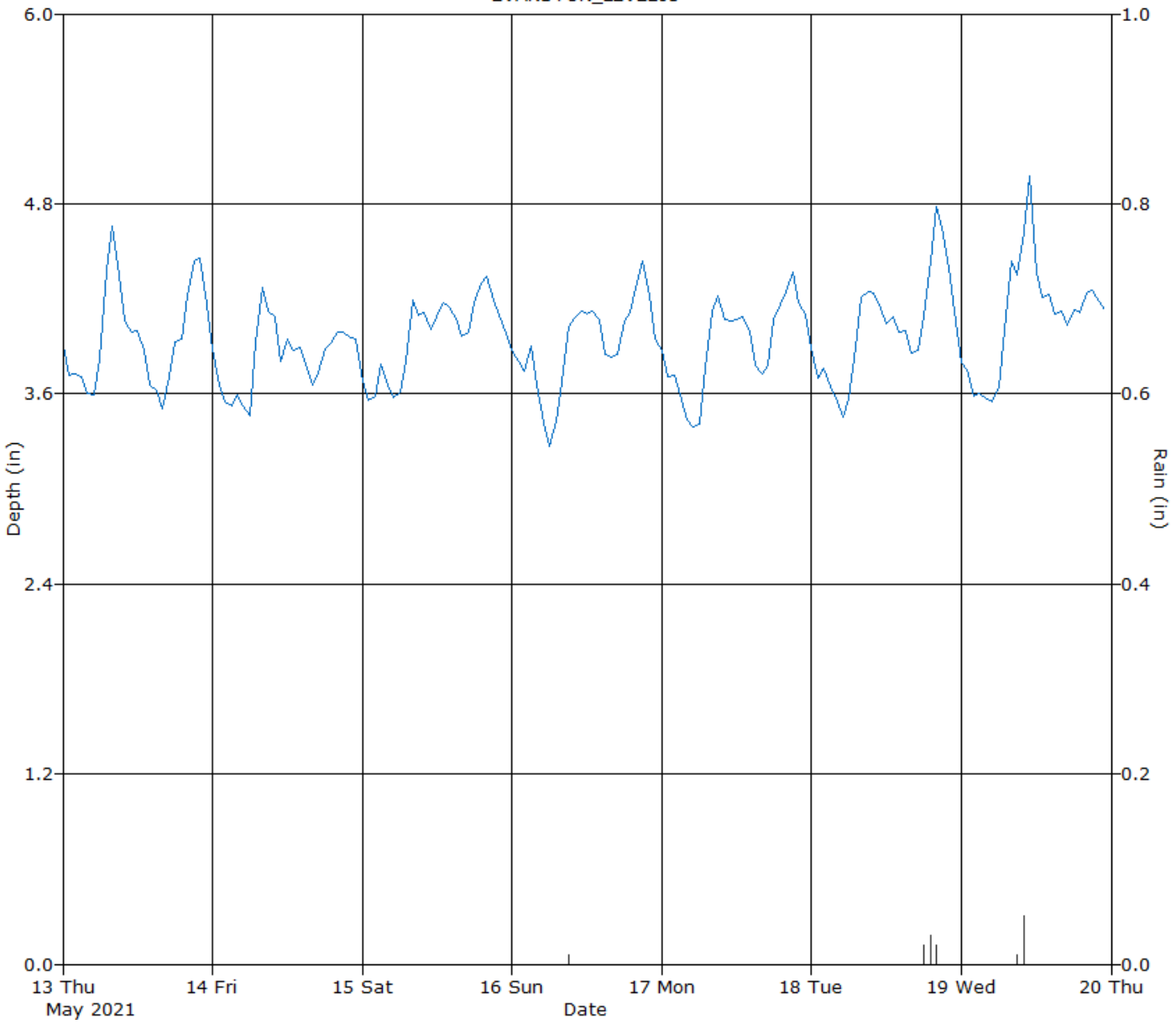


Report Period

5/13/2021
To
5/19/2021

Legend

Depth
Rain



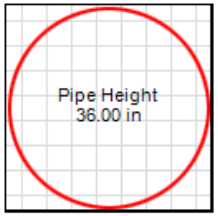
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

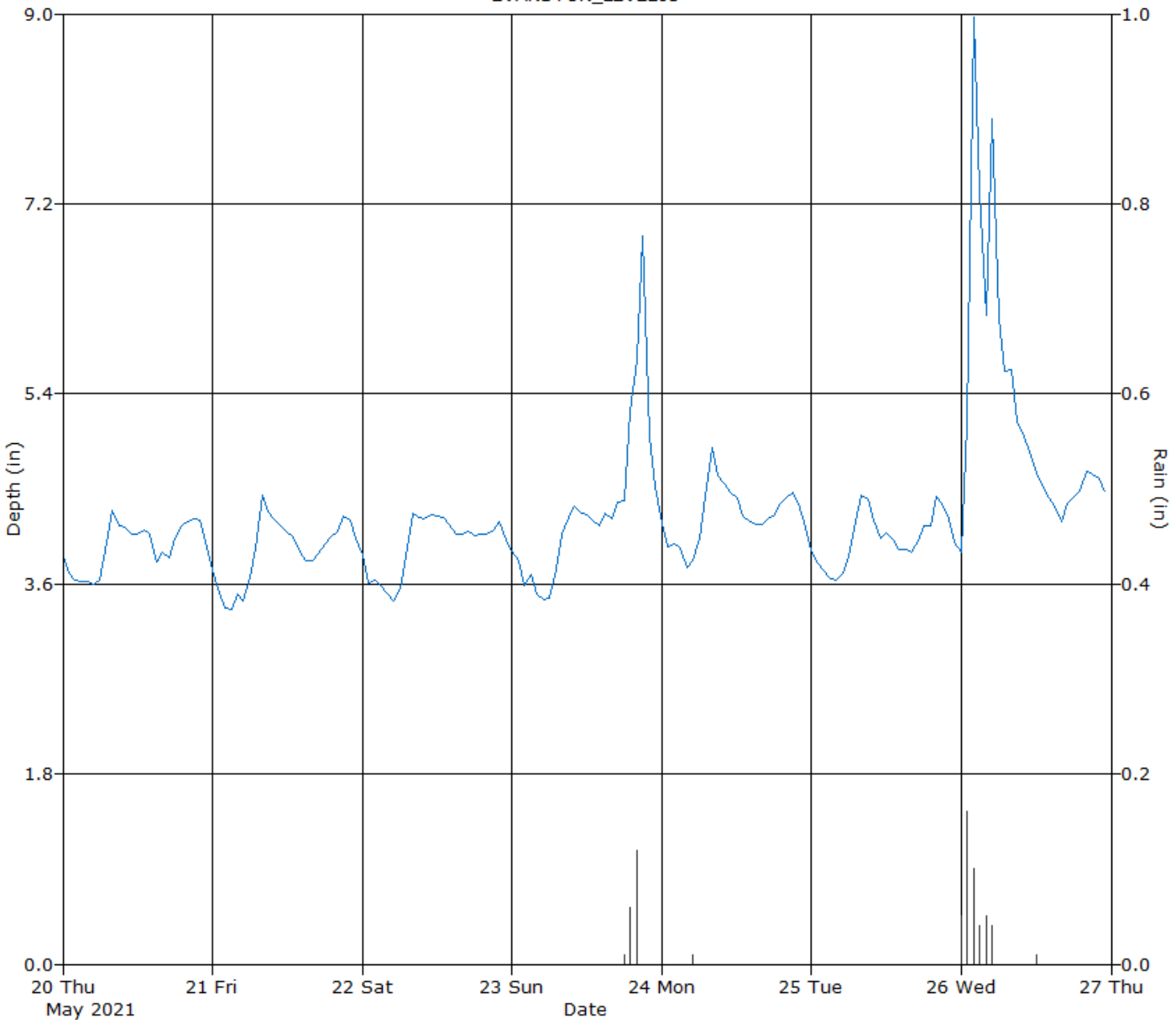


Report Period

5/20/2021
To
5/26/2021

Legend

Depth
Rain



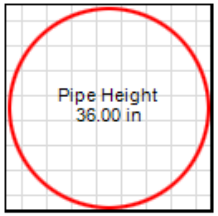
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

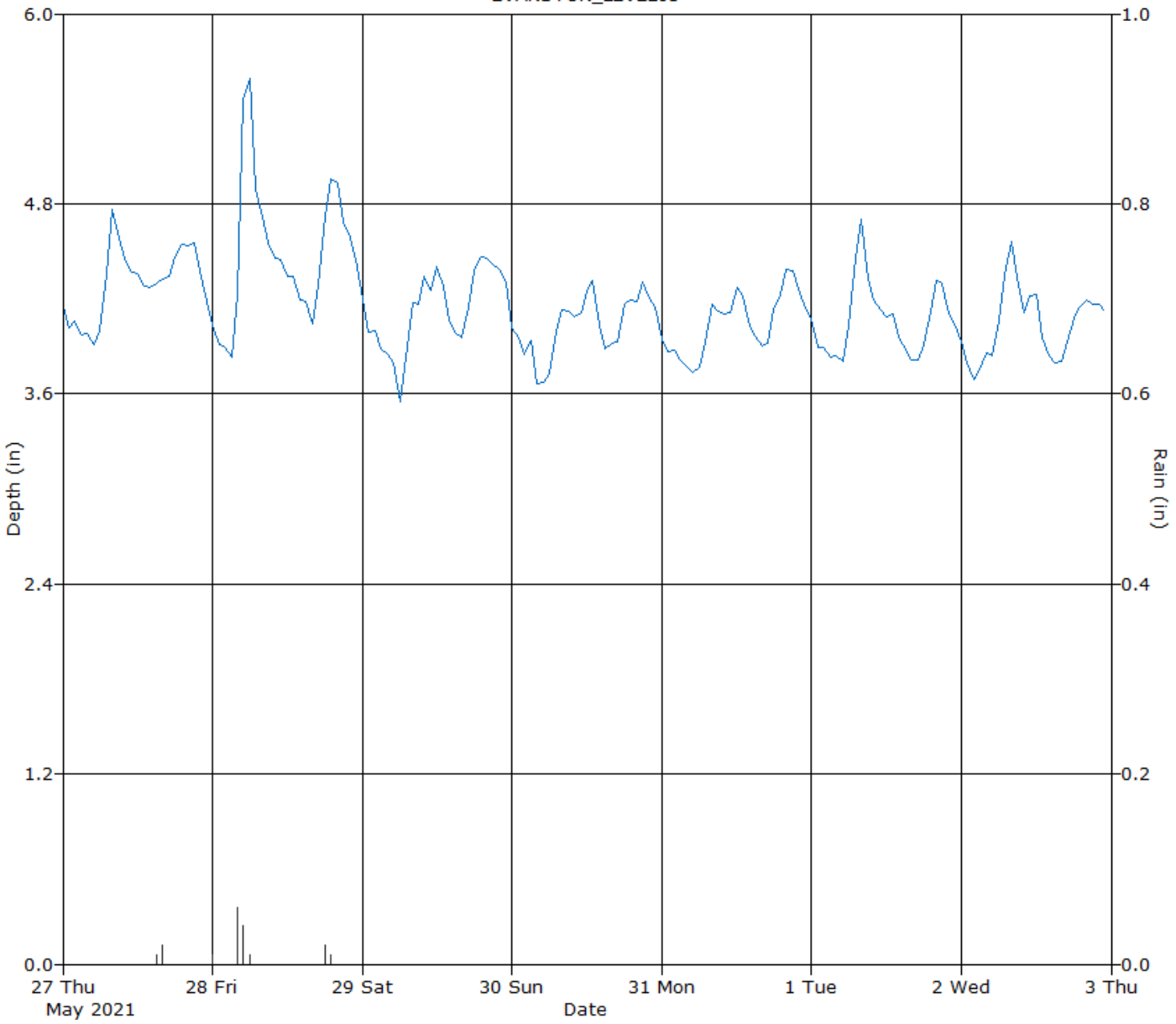


Report Period

5/27/2021
To
6/2/2021

Legend

Depth
Rain



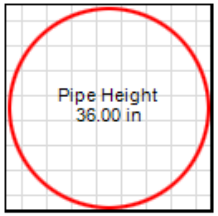
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

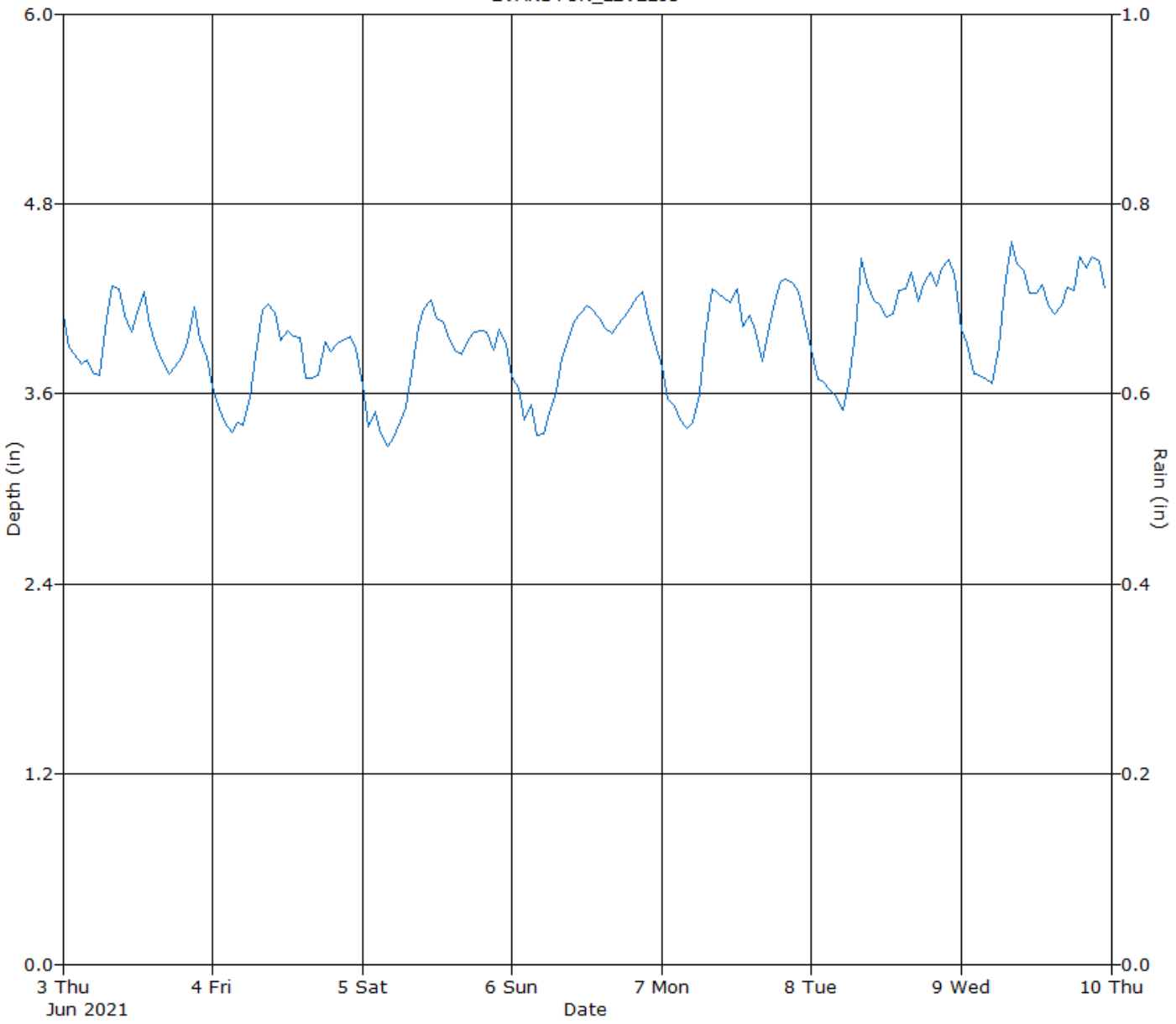


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Rain



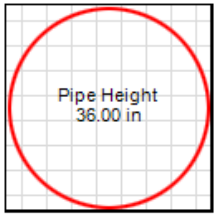
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

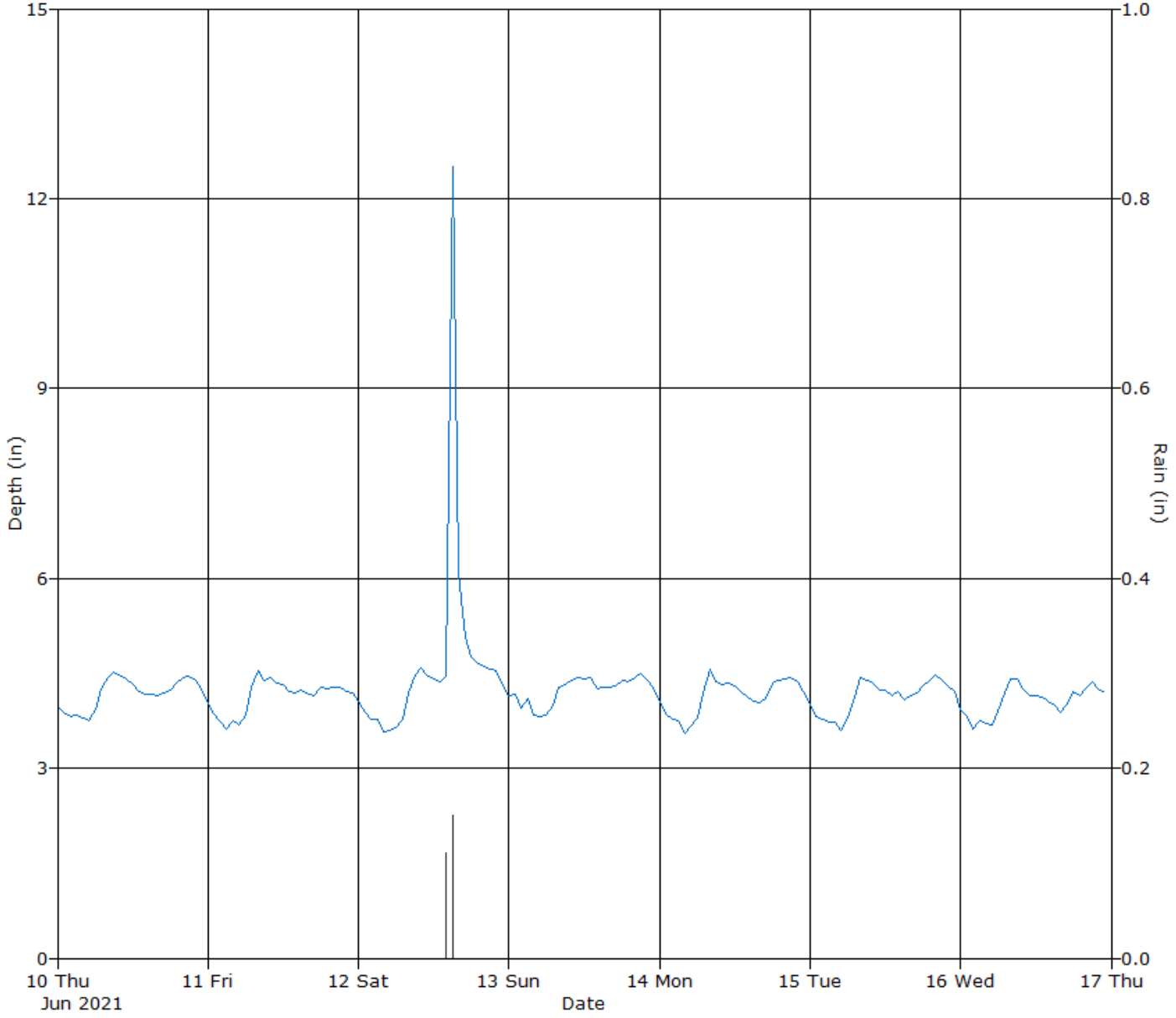


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Rain



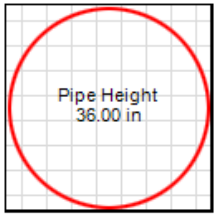
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

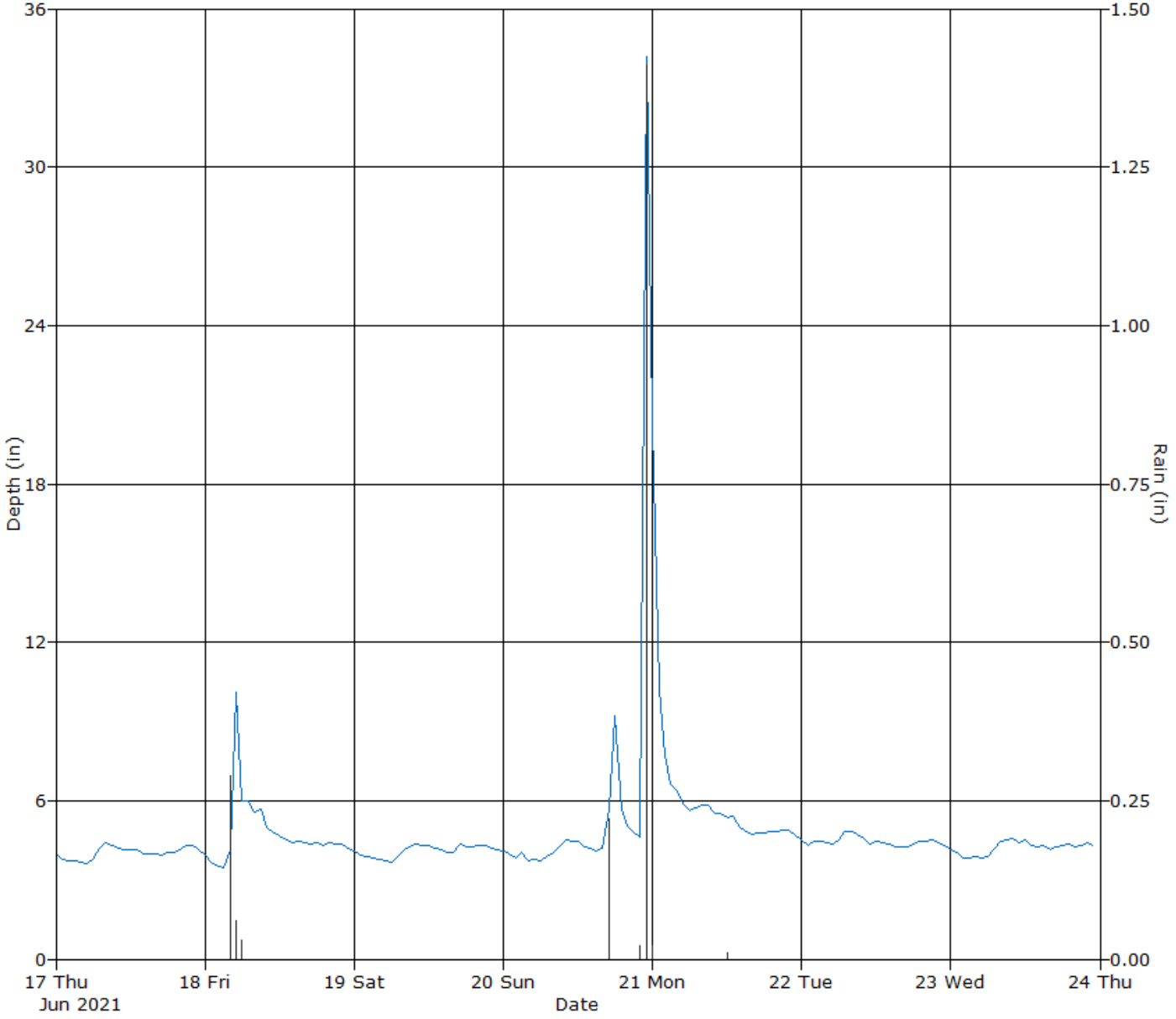


Report Period

6/17/2021
To
6/23/2021

Legend

Depth
Rain



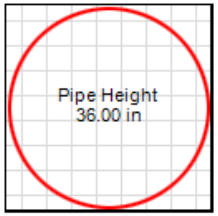
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

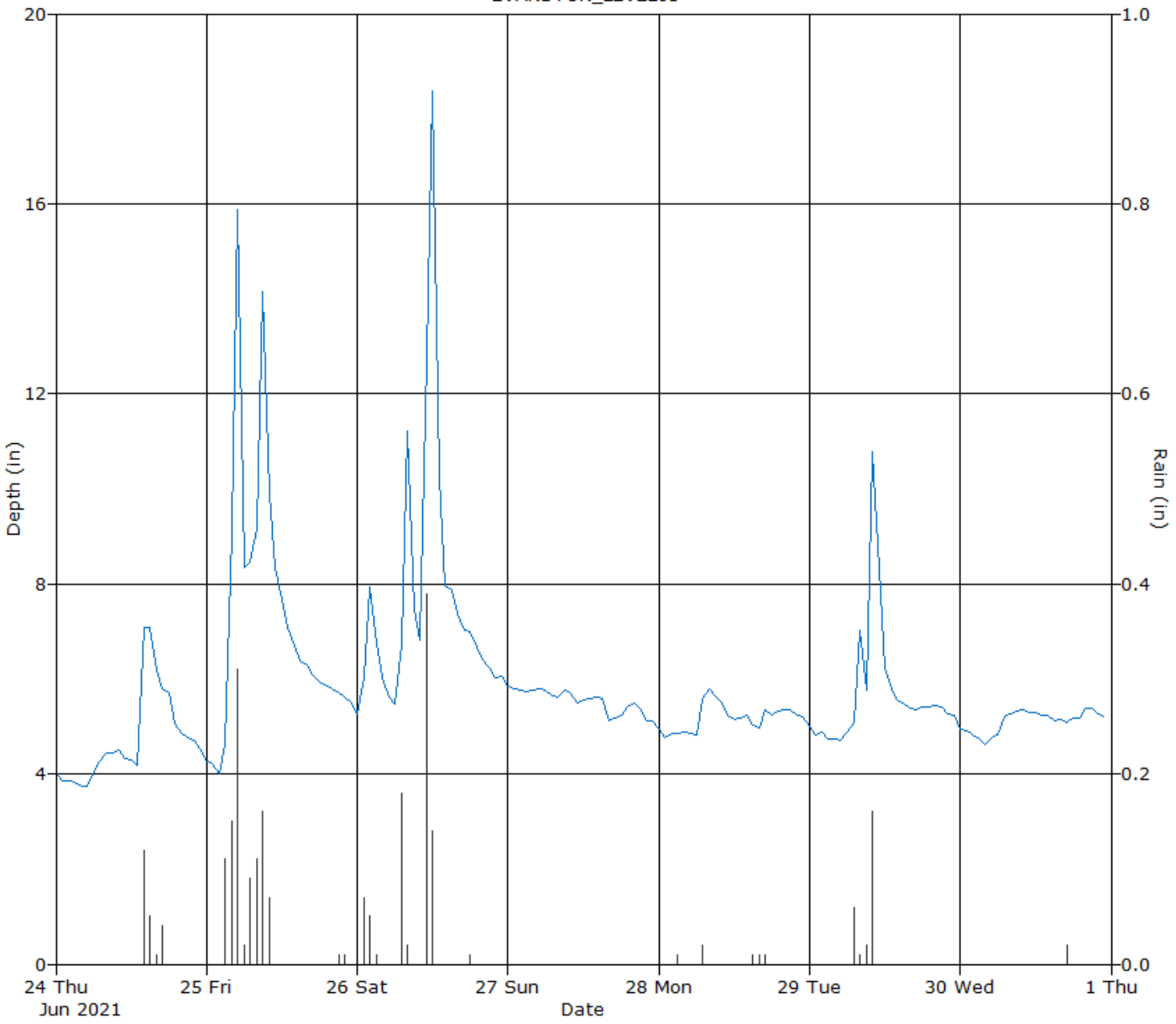


Report Period

6/24/2021
To
6/30/2021

Legend

Depth
Rain



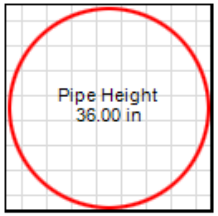
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

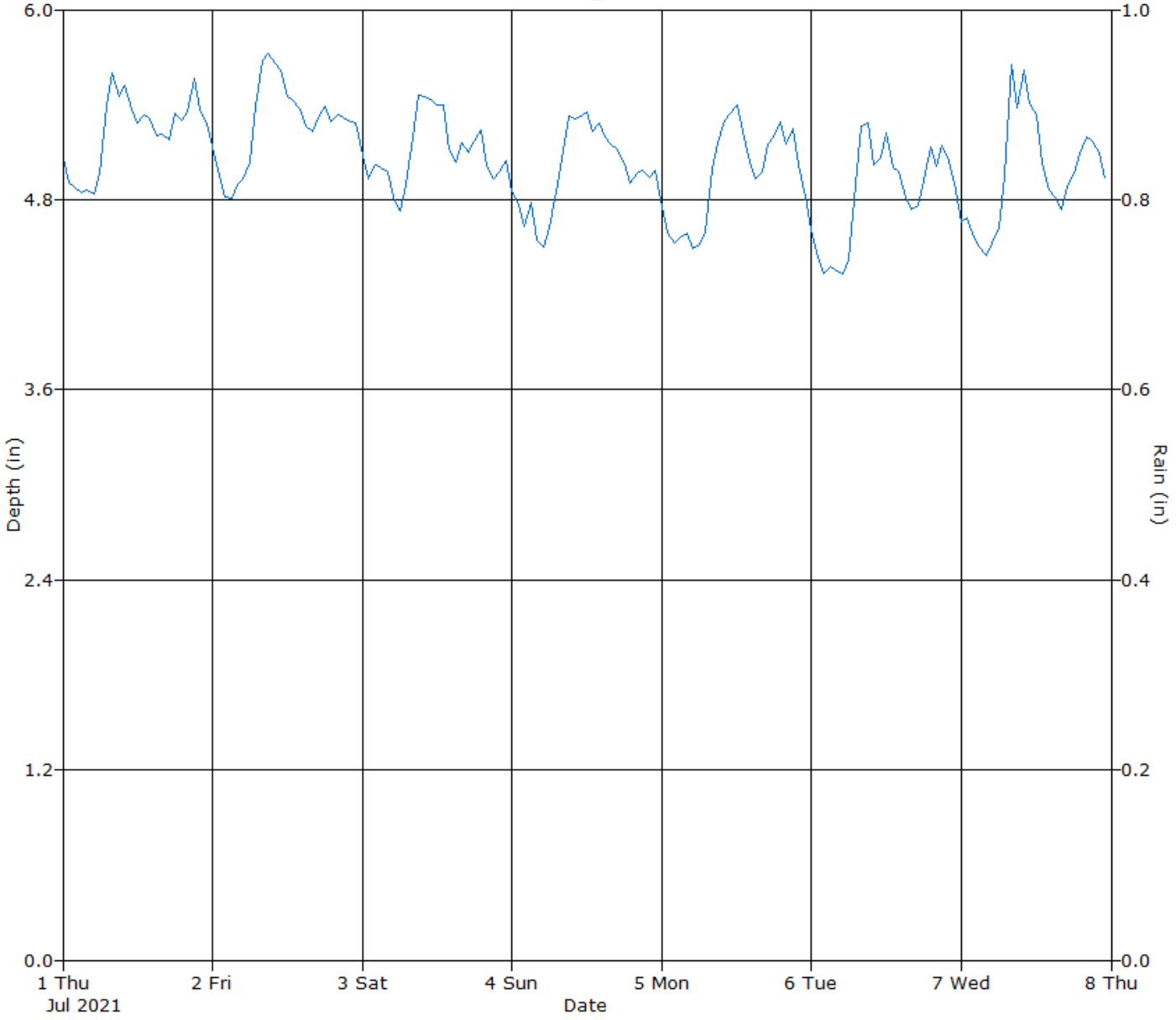


Report Period

7/1/2021
To
7/7/2021

Legend

Depth
Rain



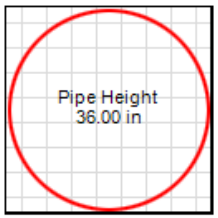
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

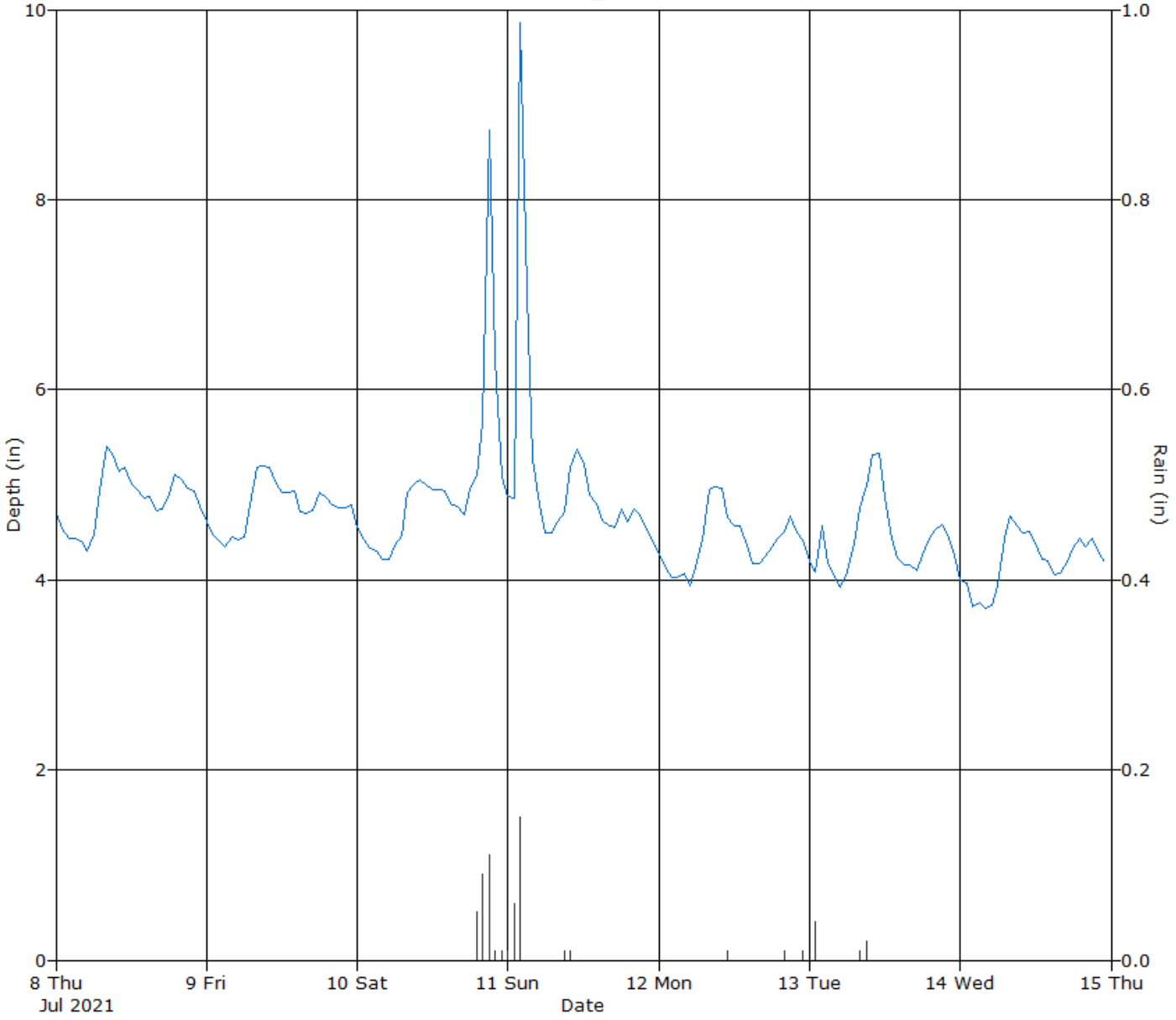


Report Period

7/8/2021
To
7/14/2021

Legend

Depth
Rain



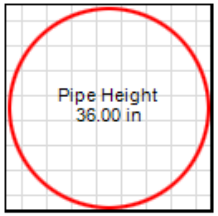
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

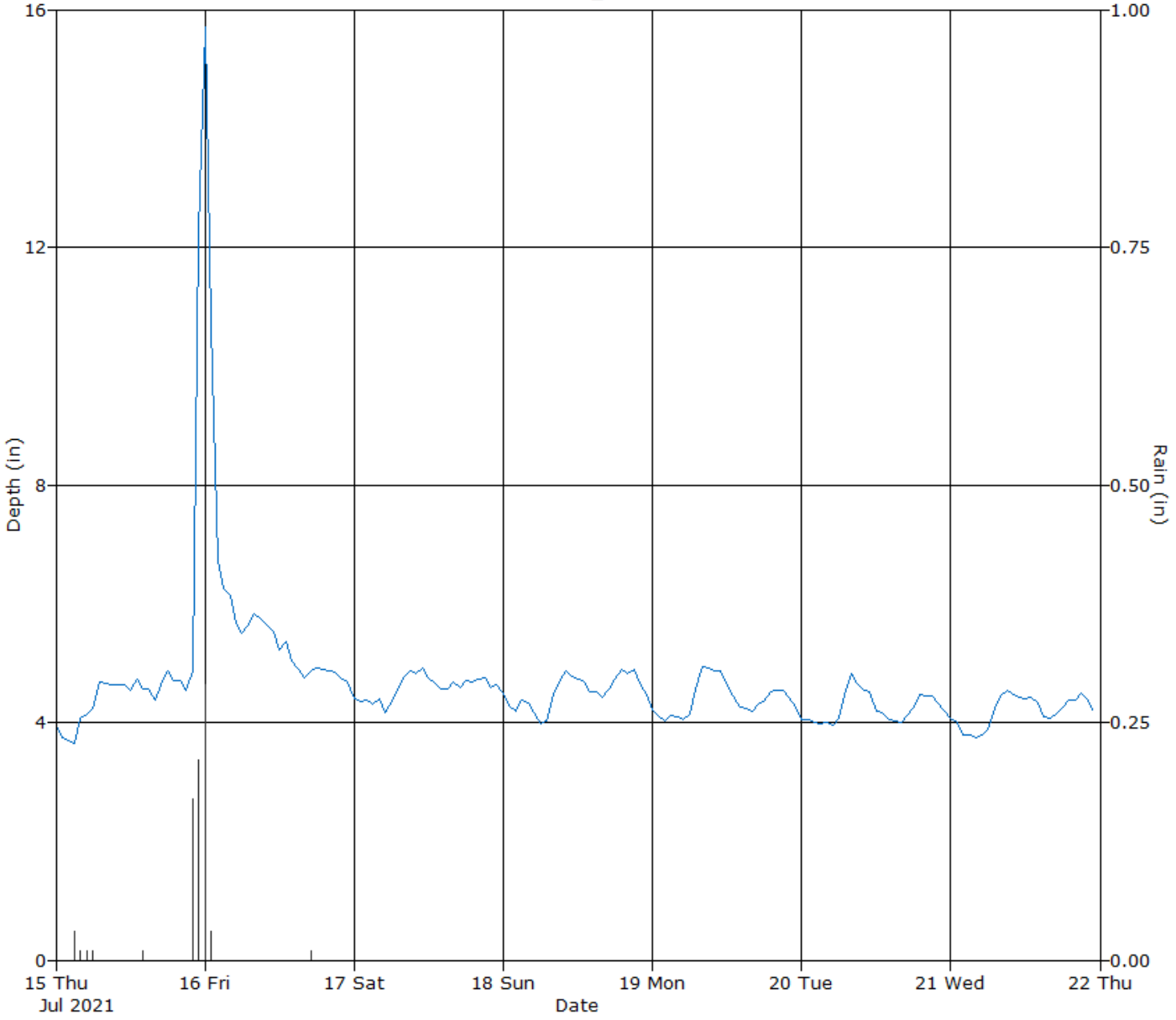


Report Period

7/15/2021
To
7/21/2021

Legend

Depth
Rain



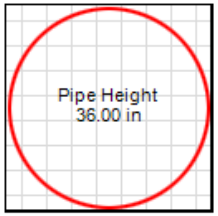
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

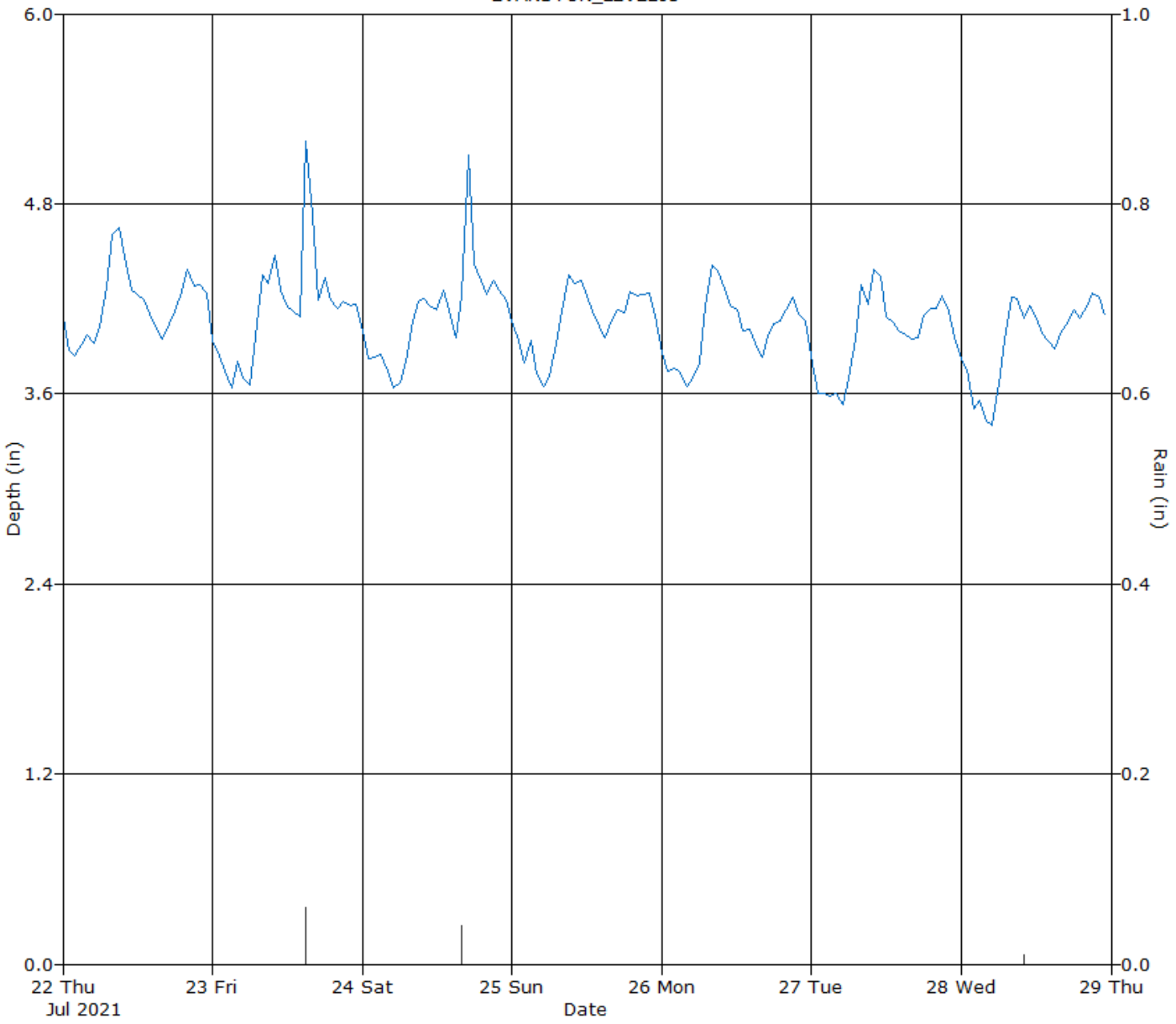


Report Period

7/22/2021
To
7/28/2021

Legend

Depth
Rain



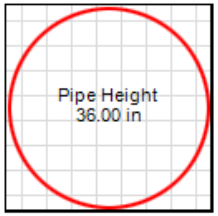
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

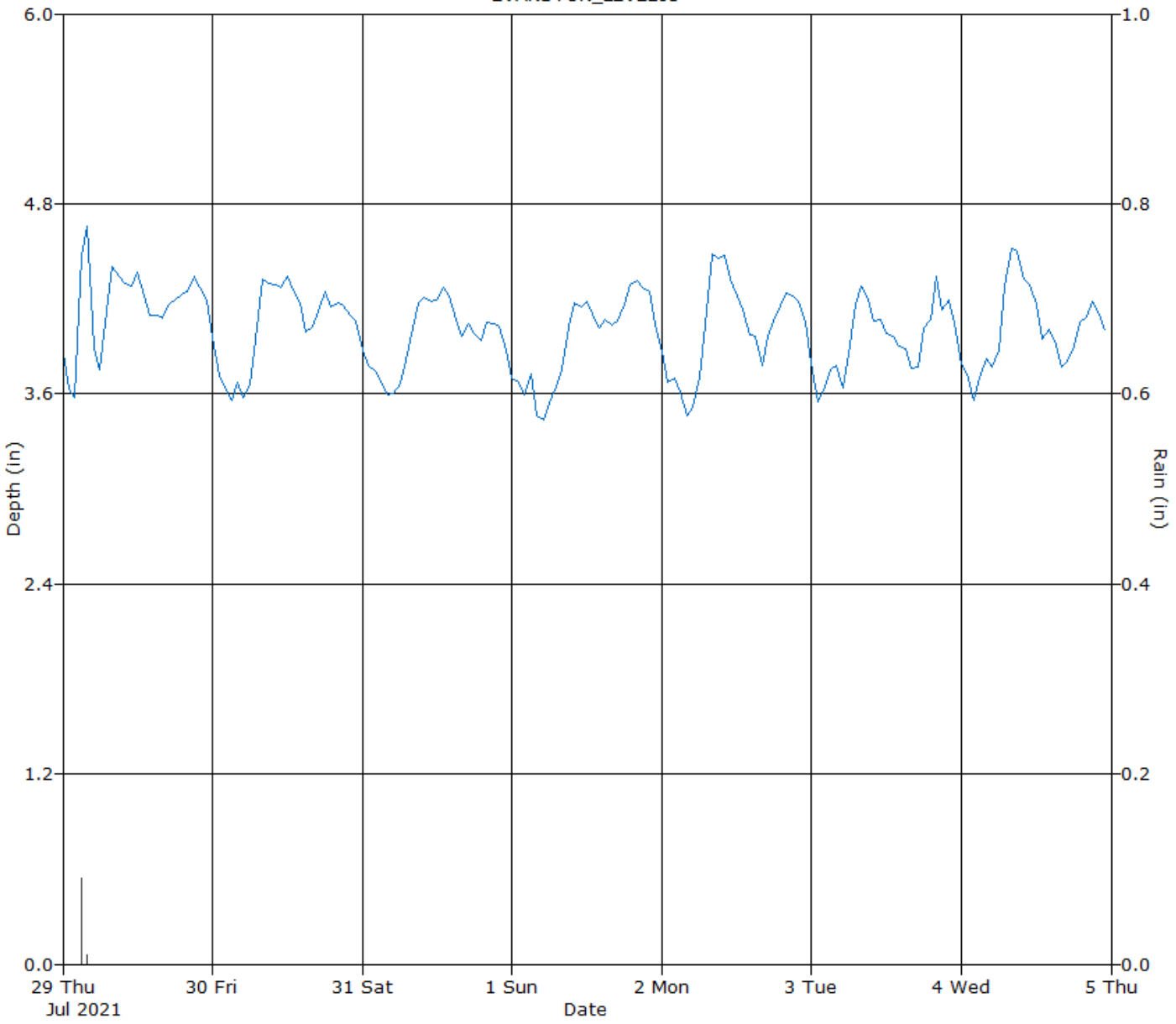


Report Period

7/29/2021
To
8/4/2021

Legend

Depth
Rain



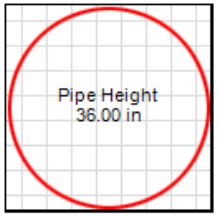
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

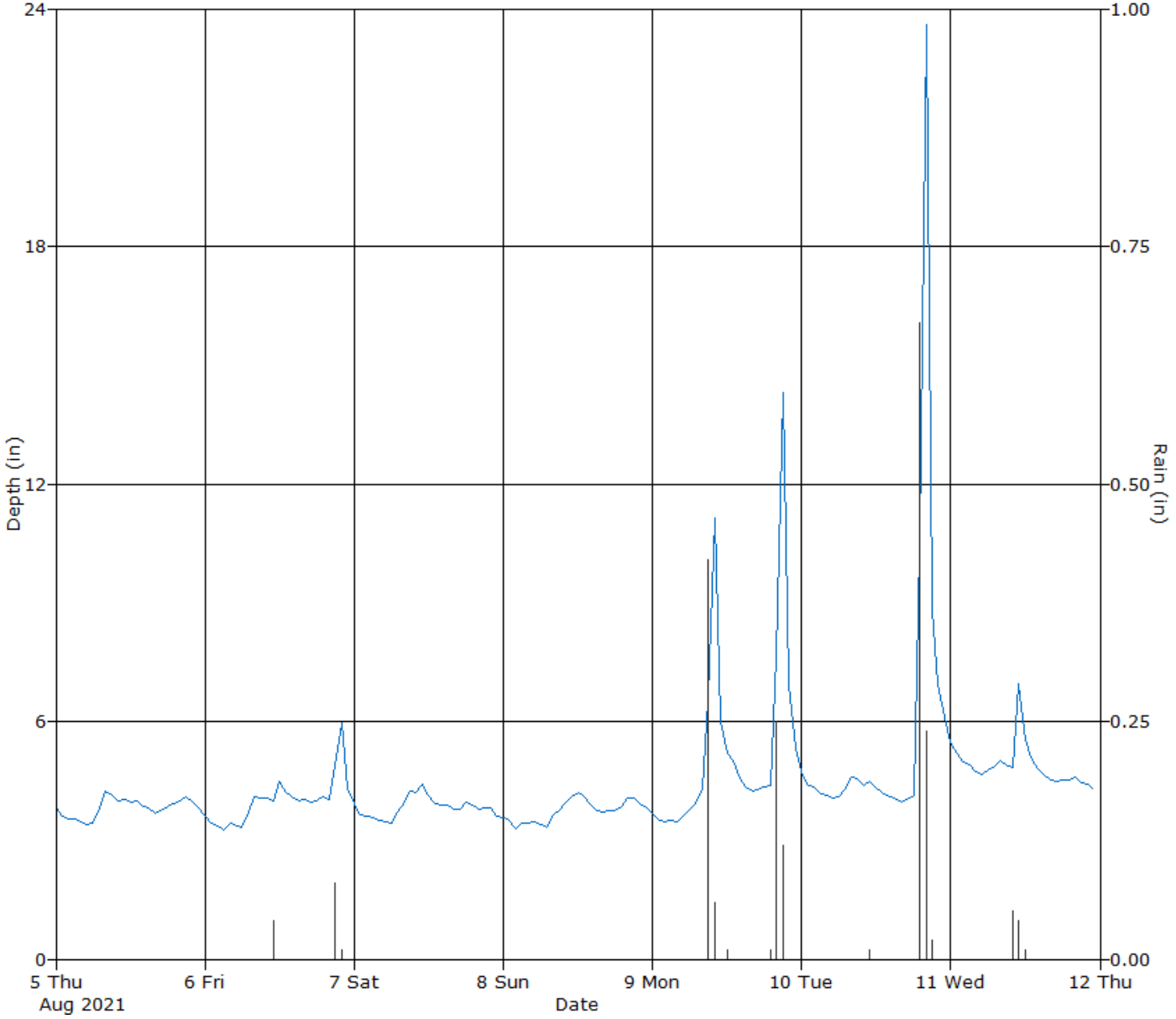


Report Period

8/5/2021
To
8/11/2021

Legend

Depth
Rain



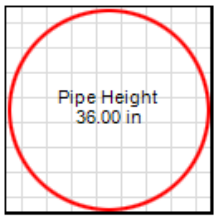
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

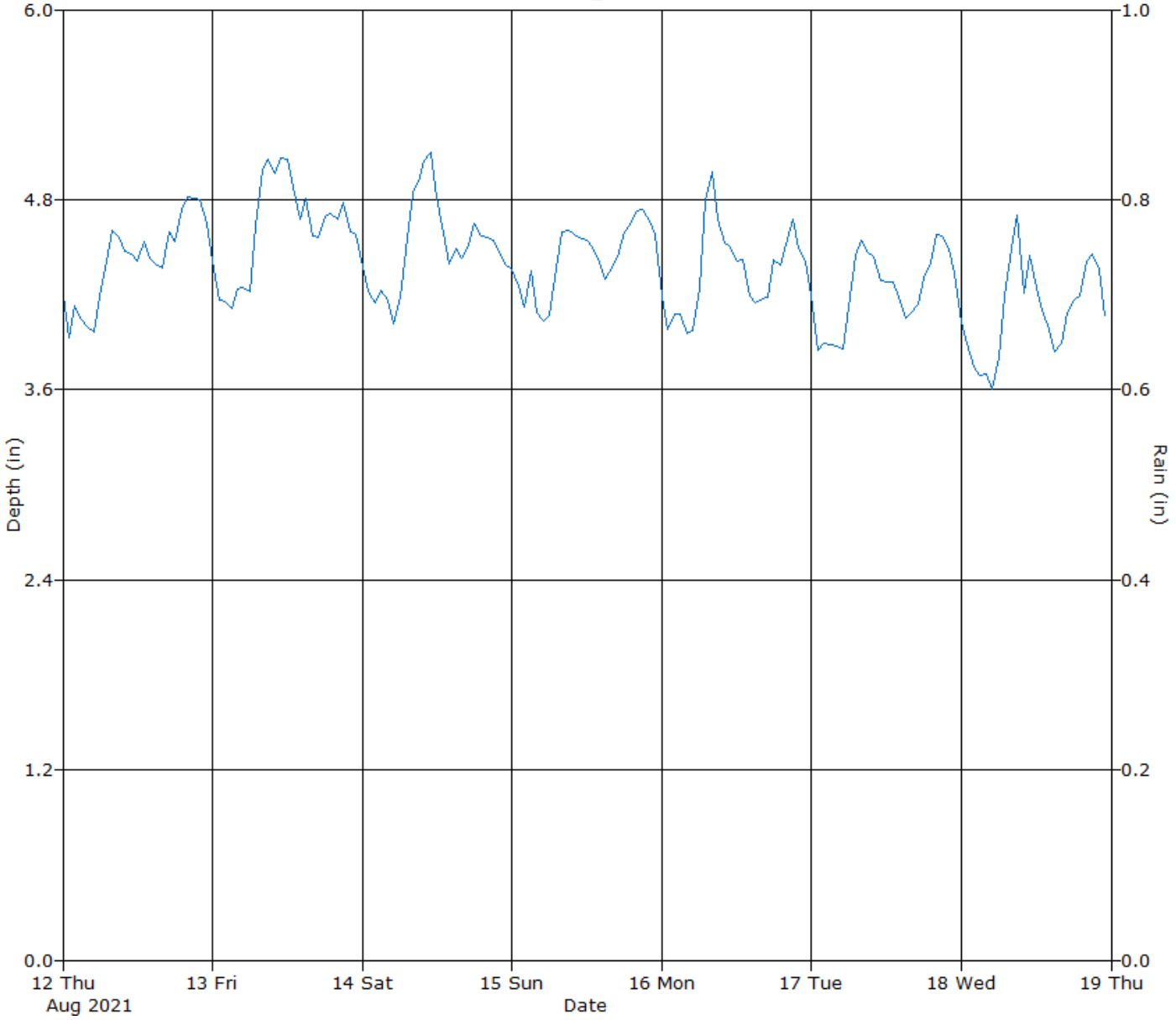


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Rain



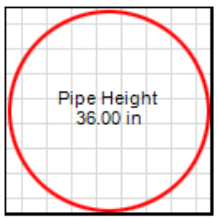
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

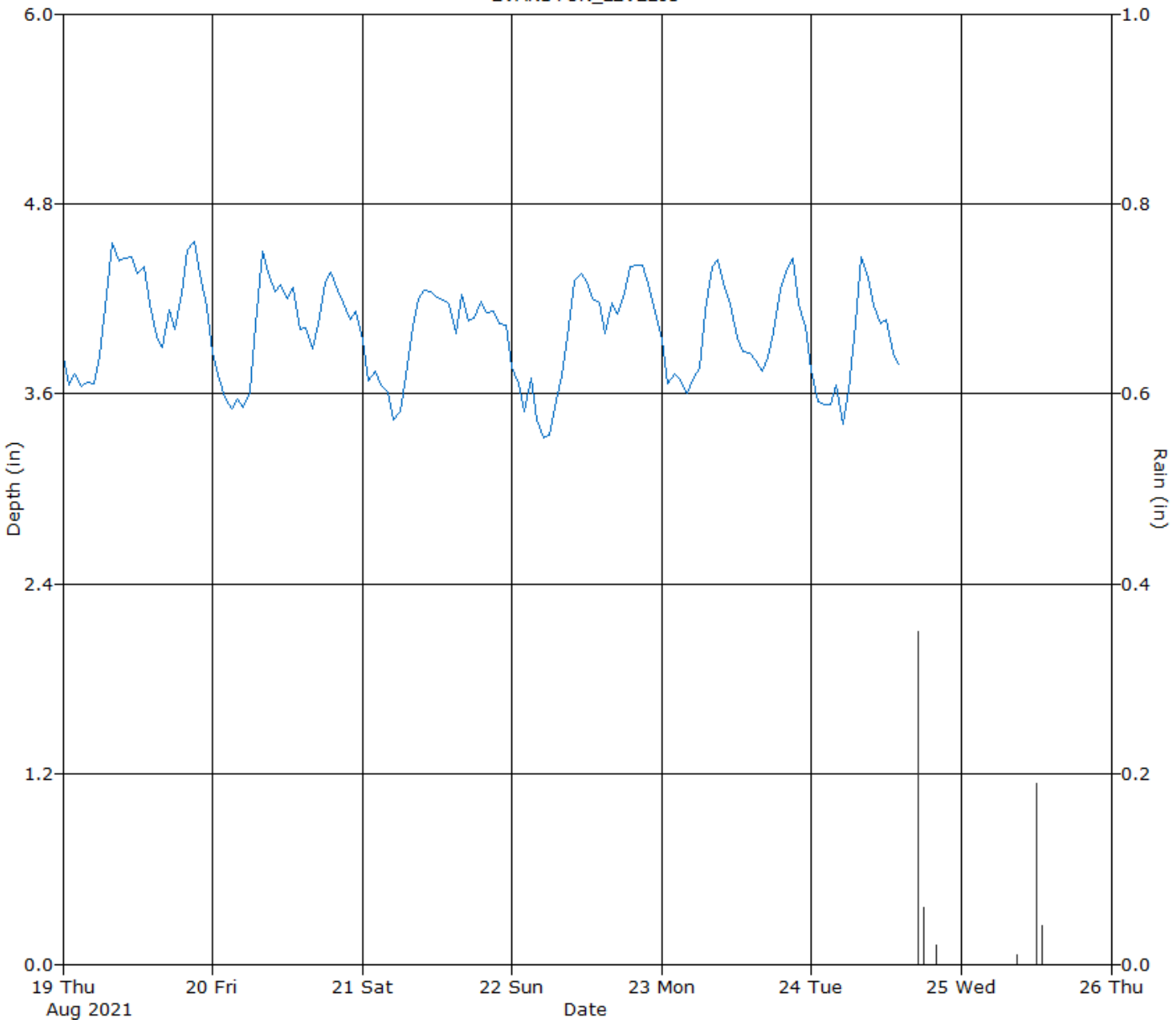


Report Period

8/19/2021
To
8/25/2021

Legend

Depth
Rain



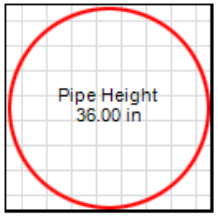
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL05

Flow Monitor

EVANSTON_LEVEL05

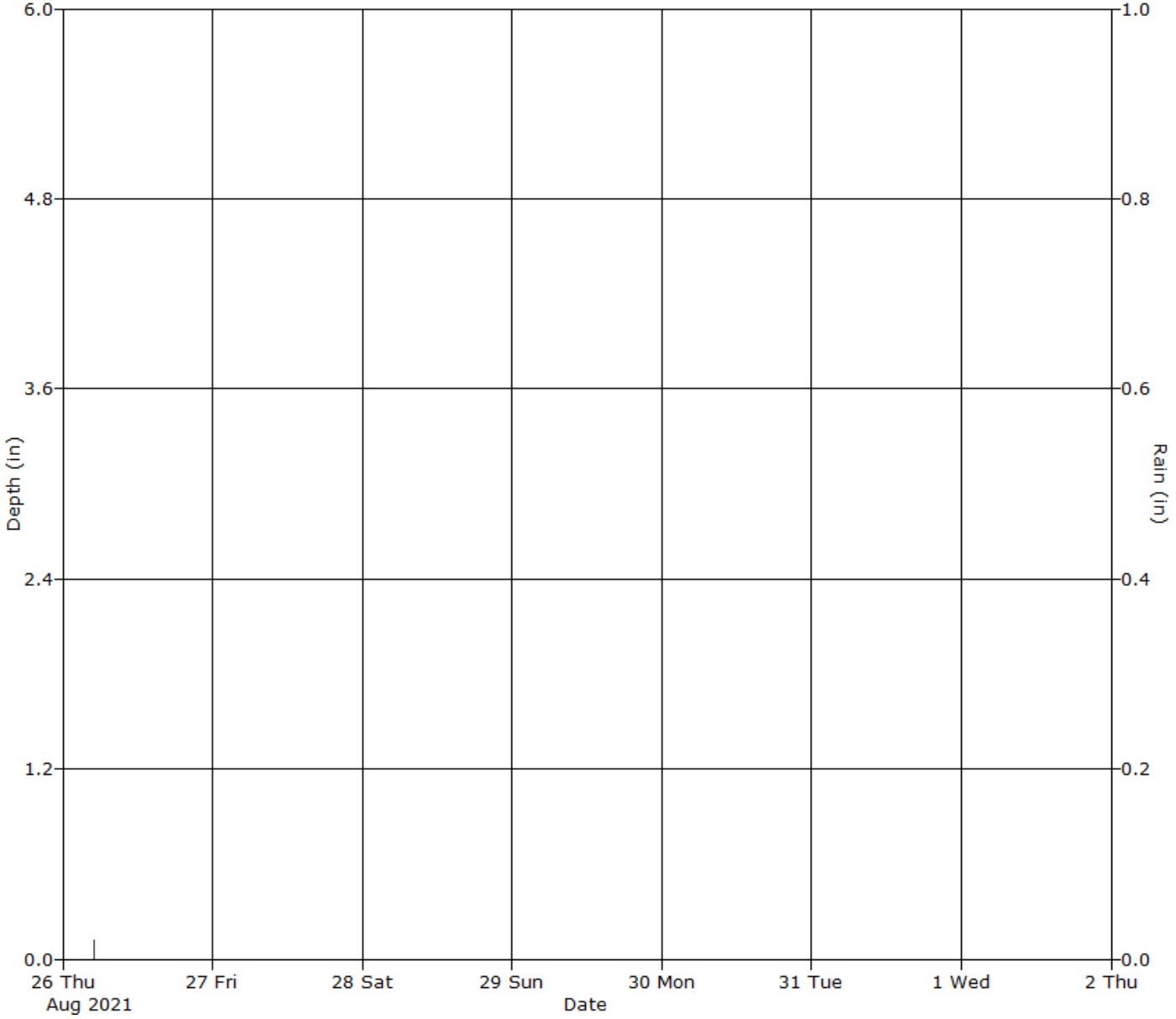


Report Period

8/26/2021
To
8/31/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_LEVEL05, Pipe Height: 36.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021																	
04/17/2021																	
04/18/2021																	
04/19/2021																	
04/20/2021																	
04/21/2021																	
04/22/2021																	
04/23/2021																	
04/24/2021																	
04/25/2021																	
04/26/2021																	
04/27/2021																	
04/28/2021																	0.03
04/29/2021																	0.16
04/30/2021																	0.01
05/01/2021																	
05/02/2021																	
05/03/2021																	0.11
05/04/2021																	
05/05/2021																	
05/06/2021																	0.04
05/07/2021																	
05/08/2021																	
05/09/2021																	0.02
05/10/2021																	
05/11/2021	03:30	3.54	08:50	4.83	4.09												
05/12/2021	17:05	3.39	08:15	4.87	4.01												
05/13/2021	16:45	3.32	09:10	4.80	3.96												
05/14/2021	06:00	3.21	08:45	4.57	3.83												
05/15/2021	02:00	3.35	20:30	4.64	3.97												
05/16/2021	06:05	3.15	21:50	4.57	3.91												0.01

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	05:40	3.20	21:35	4.56	3.91												
05/18/2021	05:30	3.28	20:30	5.18	4.03												0.07
05/19/2021	02:45	3.36	11:00	5.48	4.08												0.06
05/20/2021	06:00	3.42	08:25	4.55	3.95												
05/21/2021	03:45	3.21	08:35	4.71	3.91												
05/22/2021	05:45	3.30	08:30	4.59	3.98												
05/23/2021	05:40	3.31	21:00	8.81	4.30												0.19
05/24/2021	04:05	3.68	08:10	5.17	4.25												0.01
05/25/2021	03:50	3.40	07:55	4.70	4.03												
05/26/2021	00:25	3.68	02:10	10.85	5.23												0.45
05/27/2021	03:45	3.69	08:20	4.91	4.30												0.03
05/28/2021	03:35	3.56	06:35	6.28	4.49												0.15
05/29/2021	06:15	3.47	12:30	4.87	4.14												
05/30/2021	04:30	3.47	08:05	4.55	4.03												
05/31/2021	05:25	3.55	21:30	4.58	4.04												
06/01/2021	16:05	3.60	08:35	4.83	4.07												
06/02/2021	02:20	3.55	08:35	4.73	4.04												
06/03/2021	06:10	3.46	13:45	4.48	3.95												
06/04/2021	05:15	3.22	08:25	4.51	3.79												
06/05/2021	03:45	3.07	12:45	4.47	3.79												
06/06/2021	04:25	3.19	21:00	4.39	3.88												
06/07/2021	04:55	3.26	12:25	4.65	3.96												
06/08/2021	05:45	3.40	08:20	4.76	4.09												
06/09/2021	04:20	3.50	08:20	4.81	4.16												
06/10/2021	05:40	3.57	09:50	4.79	4.18												
06/11/2021	03:15	3.50	20:50	4.78	4.14												
06/12/2021	15:05	2.84	15:10	27.57	4.67												0.26
06/13/2021	04:50	3.62	11:55	4.74	4.23												
06/14/2021	04:00	3.40	08:10	4.73	4.13												
06/15/2021	05:40	3.47	20:45	4.70	4.13												
06/16/2021	02:45	3.45	21:45	4.66	4.06												
06/17/2021	04:00	3.50	08:20	4.64	4.03												
06/18/2021	05:10	1.42	05:15	18.10	4.78												0.38
06/19/2021	06:30	3.62	11:25	4.62	4.10												
06/20/2021	04:50	3.57	23:35	57.35	5.77												1.65
06/21/2021	23:20	4.53	00:00	32.03	6.26												0.03
06/22/2021	14:40	4.05	07:30	5.13	4.45												
06/23/2021	02:50	3.57	08:45	4.85	4.22												
06/24/2021	05:25	3.55	14:30	9.05	4.72												0.22
06/25/2021	03:35	3.69	05:10	28.68	7.29												1.04
06/26/2021	01:15	4.95	11:50	30.27	7.72												0.87
06/27/2021	08:40	4.49	13:00	6.36	5.55												
06/28/2021	03:30	4.59	09:10	6.09	5.18												0.06
06/29/2021	03:35	4.51	10:35	15.29	5.69												0.25
06/30/2021	04:55	4.45	10:20	5.67	5.11												0.02
07/01/2021	04:20	4.68	21:35	5.80	5.23												
07/02/2021	02:50	4.73	08:45	5.92	5.28												
07/03/2021	06:20	4.57	10:35	5.67	5.11												
07/04/2021	04:25	4.40	12:10	5.68	4.99												
07/05/2021	03:45	4.32	12:05	5.59	4.95												
07/06/2021	02:20	4.08	08:20	5.51	4.84												
07/07/2021	04:00	4.33	10:30	5.88	4.96												
07/08/2021	05:15	4.16	08:45	5.58	4.84												
07/09/2021	03:20	4.20	10:55	5.83	4.76												
07/10/2021	05:45	4.09	21:35	10.33	4.99												0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	23:40	4.20	02:25	11.74	5.08												0.24
07/12/2021	05:10	3.81	10:05	5.32	4.40												0.03
07/13/2021	04:35	3.77	10:50	5.70	4.43												0.07
07/14/2021	02:45	3.44	08:40	5.13	4.19												
07/15/2021	03:55	3.45	23:10	14.32	4.75												0.45
07/16/2021	22:50	4.53	00:35	18.34	6.01												0.33
07/17/2021	03:55	3.97	11:45	5.20	4.59												
07/18/2021	07:15	3.88	21:35	5.09	4.52												
07/19/2021	06:05	3.82	09:45	5.27	4.40												
07/20/2021	03:50	3.67	11:00	5.01	4.24												
07/21/2021	03:45	3.57	09:45	4.73	4.20												
07/22/2021	03:25	3.68	10:05	5.14	4.16												
07/23/2021	03:35	3.43	15:40	6.51	4.14												0.06
07/24/2021	05:40	3.49	17:10	5.76	4.10												0.04
07/25/2021	05:30	3.53	09:25	4.61	4.06												
07/26/2021	03:35	3.44	08:40	4.64	4.00												
07/27/2021	03:55	3.37	10:40	4.77	3.97												
07/28/2021	03:55	3.27	09:15	4.49	3.94												0.01
07/29/2021	01:50	3.40	04:00	5.10	4.16												0.10
07/30/2021	03:45	3.37	12:55	4.60	4.03												
07/31/2021	03:45	3.46	14:15	4.41	3.96												
08/01/2021	04:25	3.33	20:25	4.49	3.94												
08/02/2021	05:15	3.34	08:55	4.63	4.01												
08/03/2021	01:40	3.40	20:05	4.65	3.95												
08/04/2021	02:50	3.40	09:10	4.82	4.00												
08/05/2021	06:05	3.19	08:30	4.47	3.82												
08/06/2021	03:50	3.14	22:00	7.70	3.99												0.13
08/07/2021	03:40	3.27	11:50	4.67	3.83												
08/08/2021	07:20	3.06	13:00	4.38	3.74												
08/09/2021	03:35	3.15	21:00	19.86	5.31												0.87
08/10/2021	19:55	3.11	20:10	34.07	5.71												0.94
08/11/2021	23:50	4.10	11:35	7.38	4.88												0.10
08/12/2021	03:50	3.74	20:10	4.98	4.42												
08/13/2021	02:30	3.92	11:30	5.51	4.62												
08/14/2021	05:20	3.84	11:35	5.34	4.51												
08/15/2021	06:15	3.87	21:15	4.91	4.44												
08/16/2021	01:50	3.70	08:15	5.41	4.35												
08/17/2021	03:50	3.66	20:25	4.80	4.23												
08/18/2021	05:40	3.45	09:45	5.49	4.10												
08/19/2021	03:40	3.45	08:30	4.77	4.12												
08/20/2021	03:05	3.38	08:45	4.77	4.02												
08/21/2021	05:50	3.26	14:40	4.53	3.97												
08/22/2021	06:00	3.17	19:45	4.71	3.98												
08/23/2021	04:00	3.46	09:20	4.67	3.99												
08/24/2021	05:05	3.31	08:25	4.61	3.86												0.43
08/25/2021																	0.24
08/26/2021																	0.02
08/27/2021																	
08/28/2021																	
08/29/2021																	
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Rain (in)
Total		11.39
Avg	4.43	

Evanston, IL

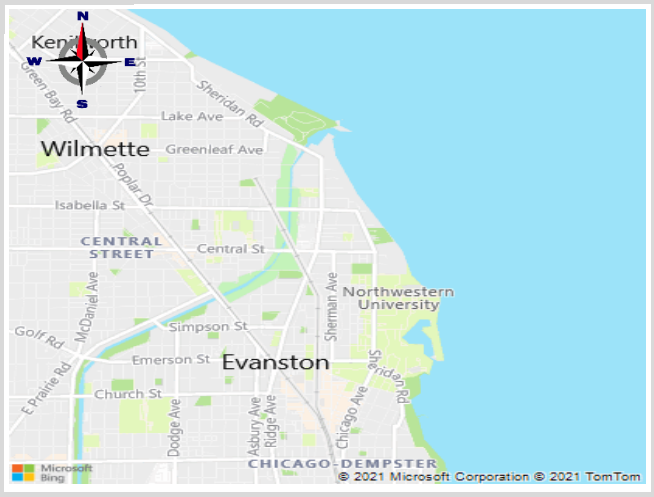
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

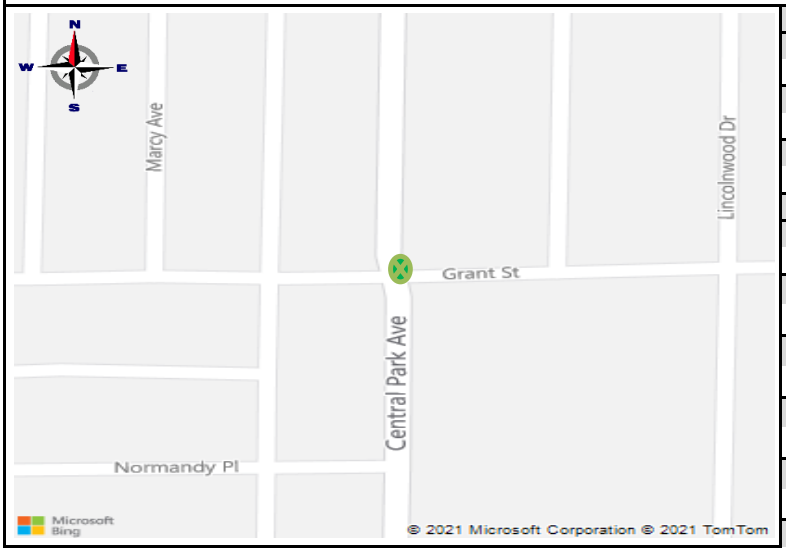
LEVEL06

Site Address /Location:	Intersection of Grant St. and Central Park Ave.			Monitor Series	Location Type
				VZ Echo LTE-M	Temporary
Site Access Details:	in road	Latitude:	42.0589662	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.7176953	42.00 x 42.00	Circular



Manhole #	System Characteristics
B06_07300	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, April 14, 2021	Bar Mount
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
ECHO Depth	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
2:53:00 PM	42.00 x 42.00
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
6.00	166.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
28.25	0.50"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
16.8	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
Yes, Inside	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

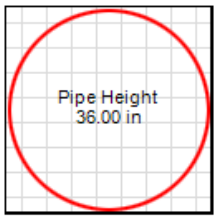
Additional Site Info. / Comments:

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

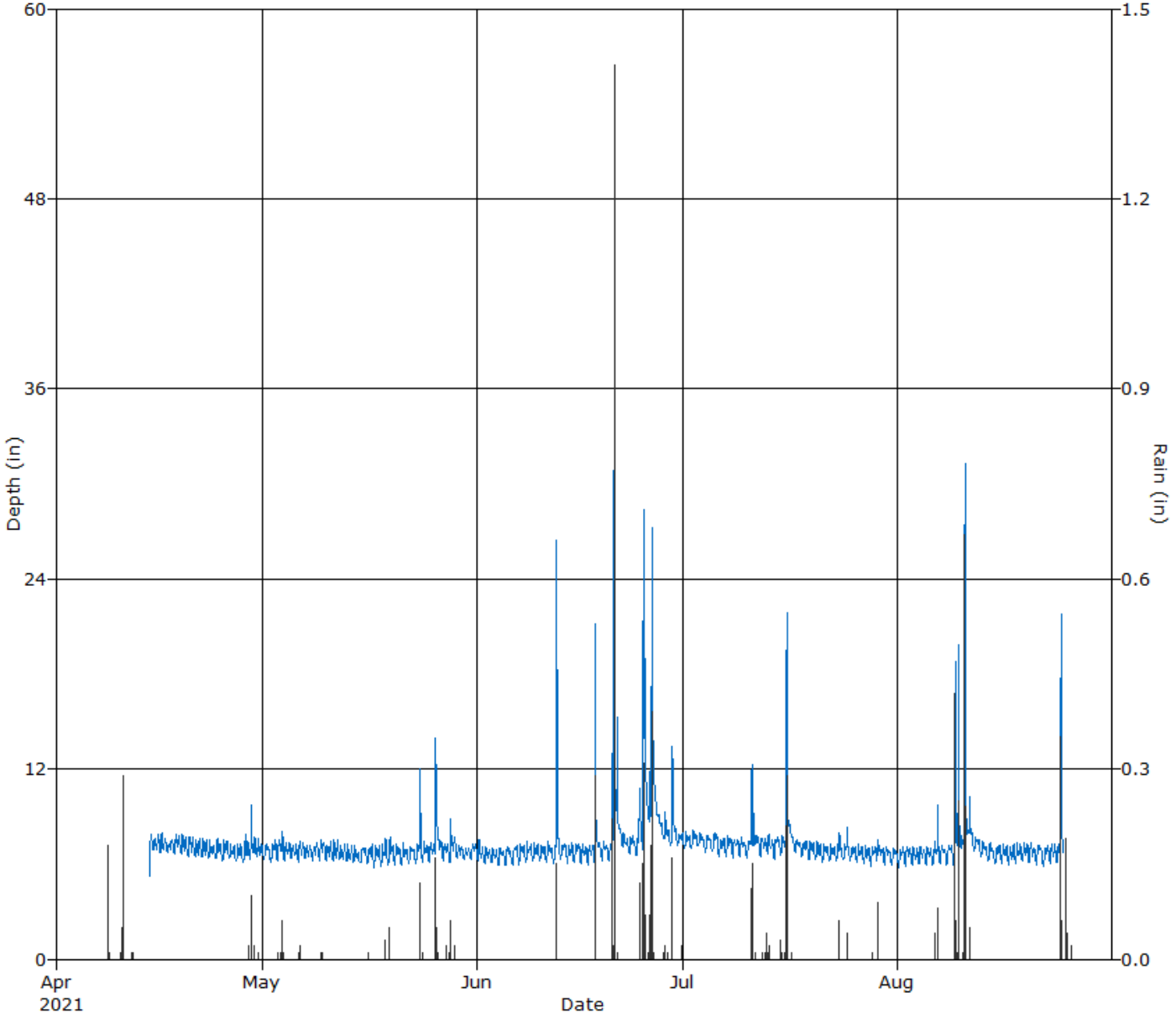


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Rain



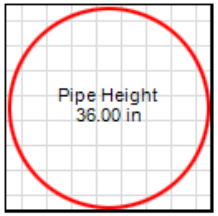
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

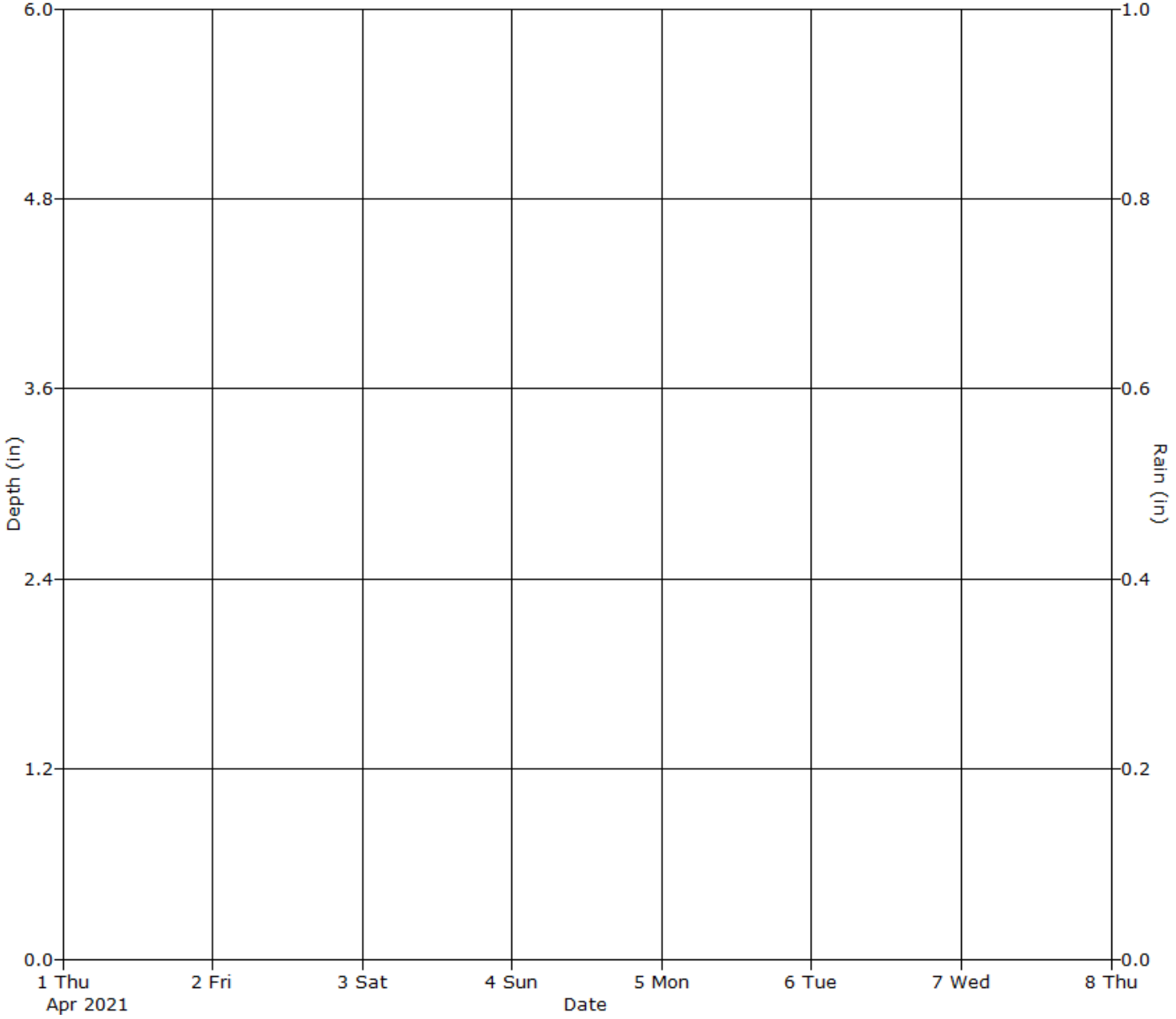


Report Period

4/1/2021
To
4/7/2021

Legend

Depth
Rain



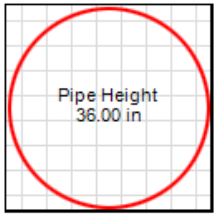
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

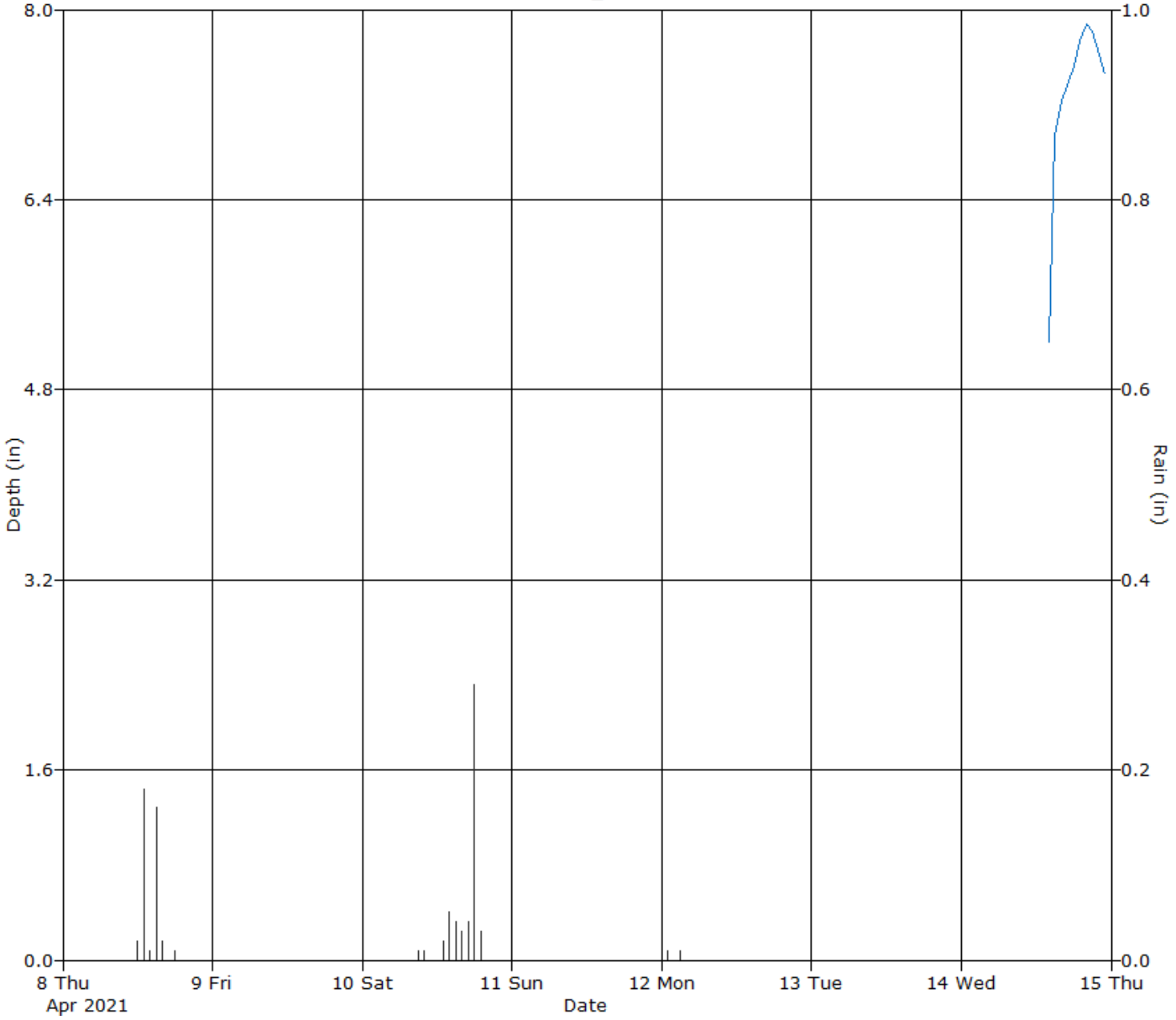


Report Period

4/8/2021
To
4/14/2021

Legend

Depth
Rain



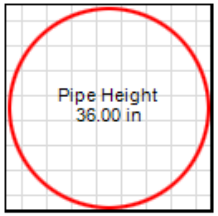
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

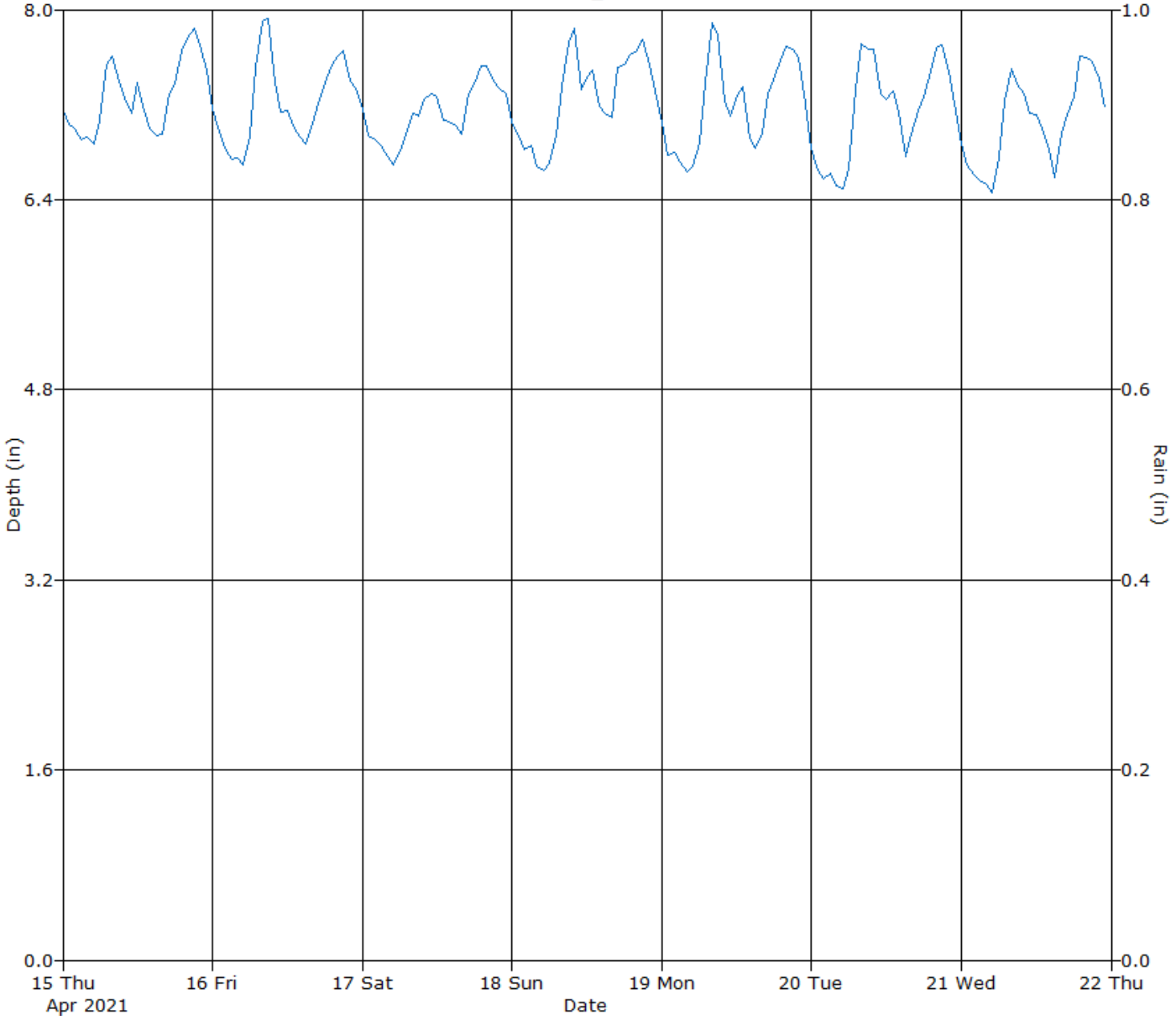


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Rain



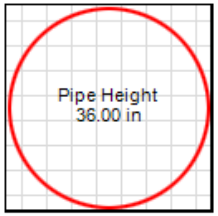
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

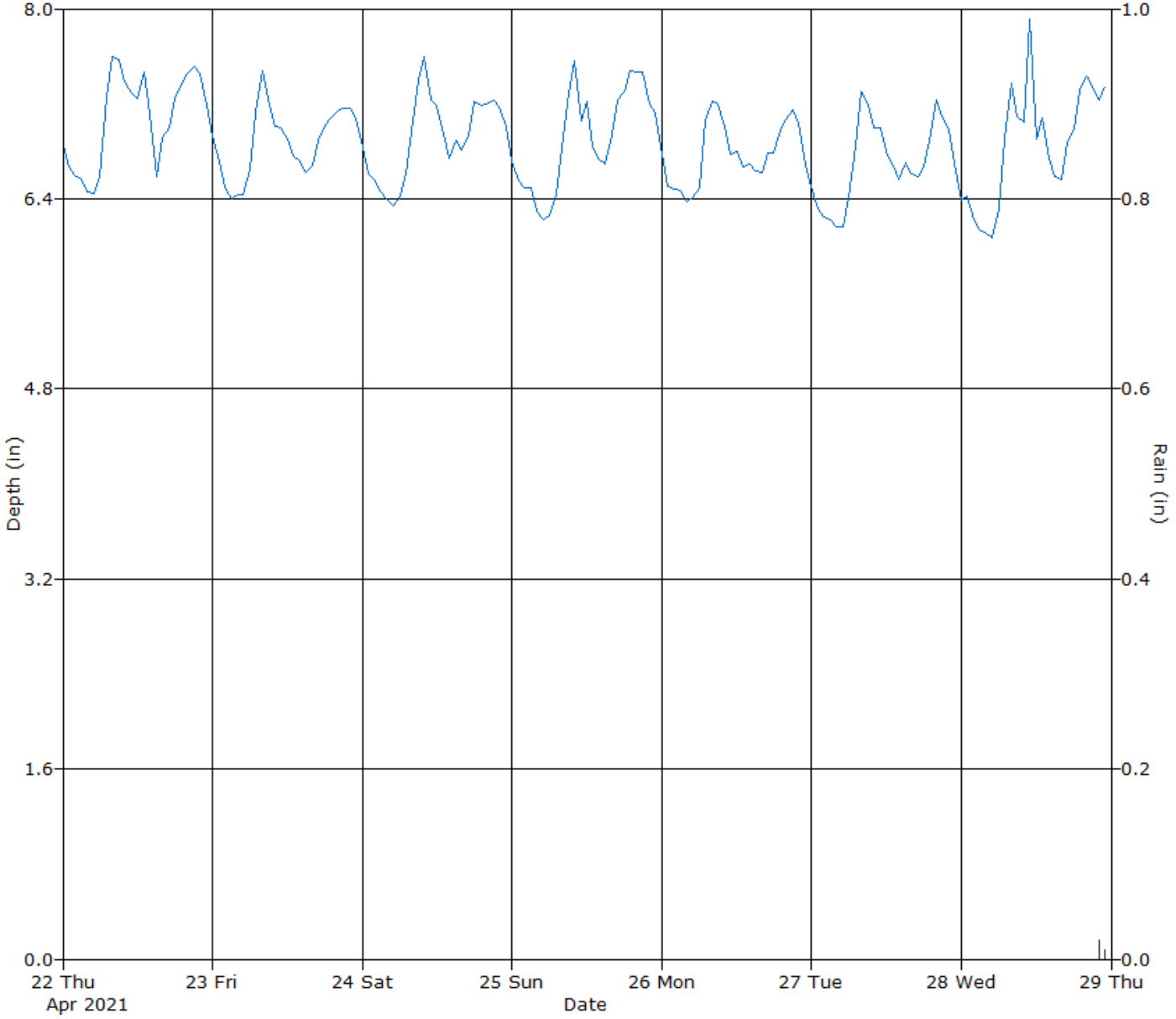


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Rain



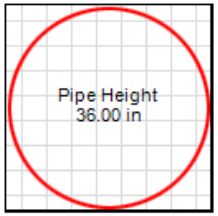
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

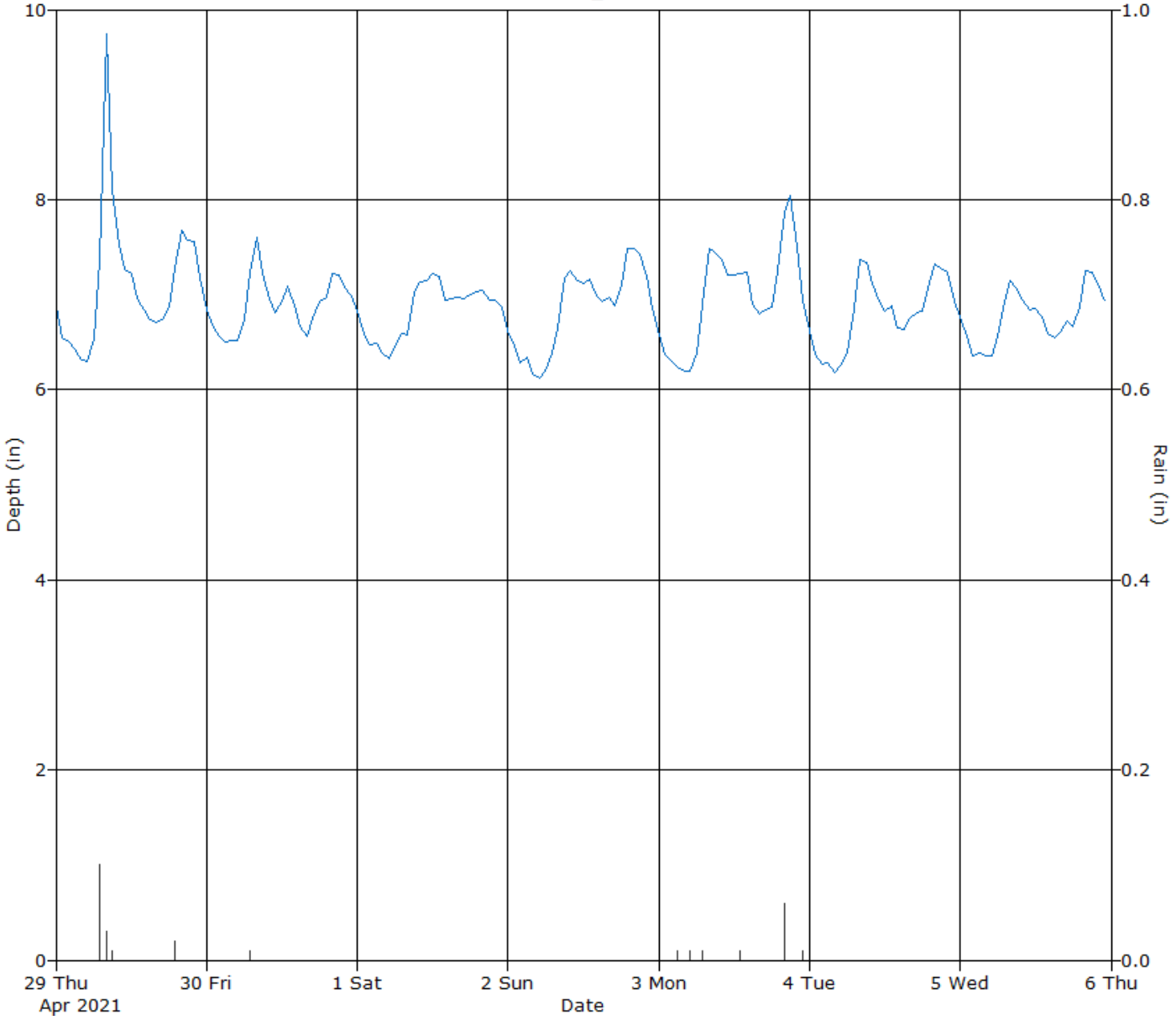


Report Period

4/29/2021
To
5/5/2021

Legend

Depth
Rain



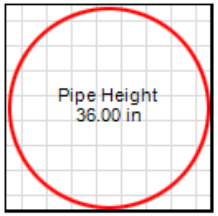
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

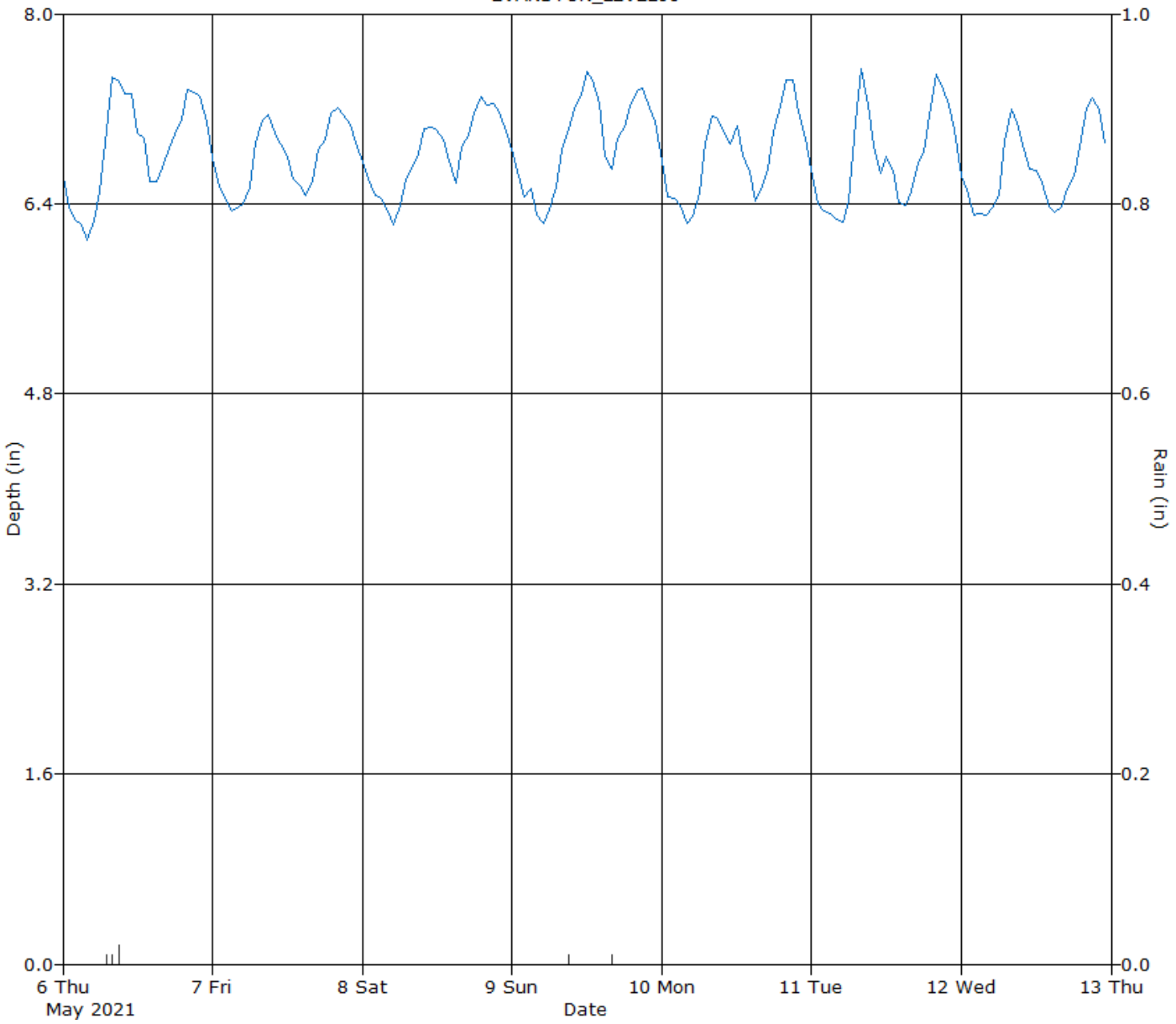


Report Period

5/6/2021
To
5/12/2021

Legend

Depth
Rain



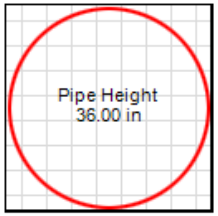
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

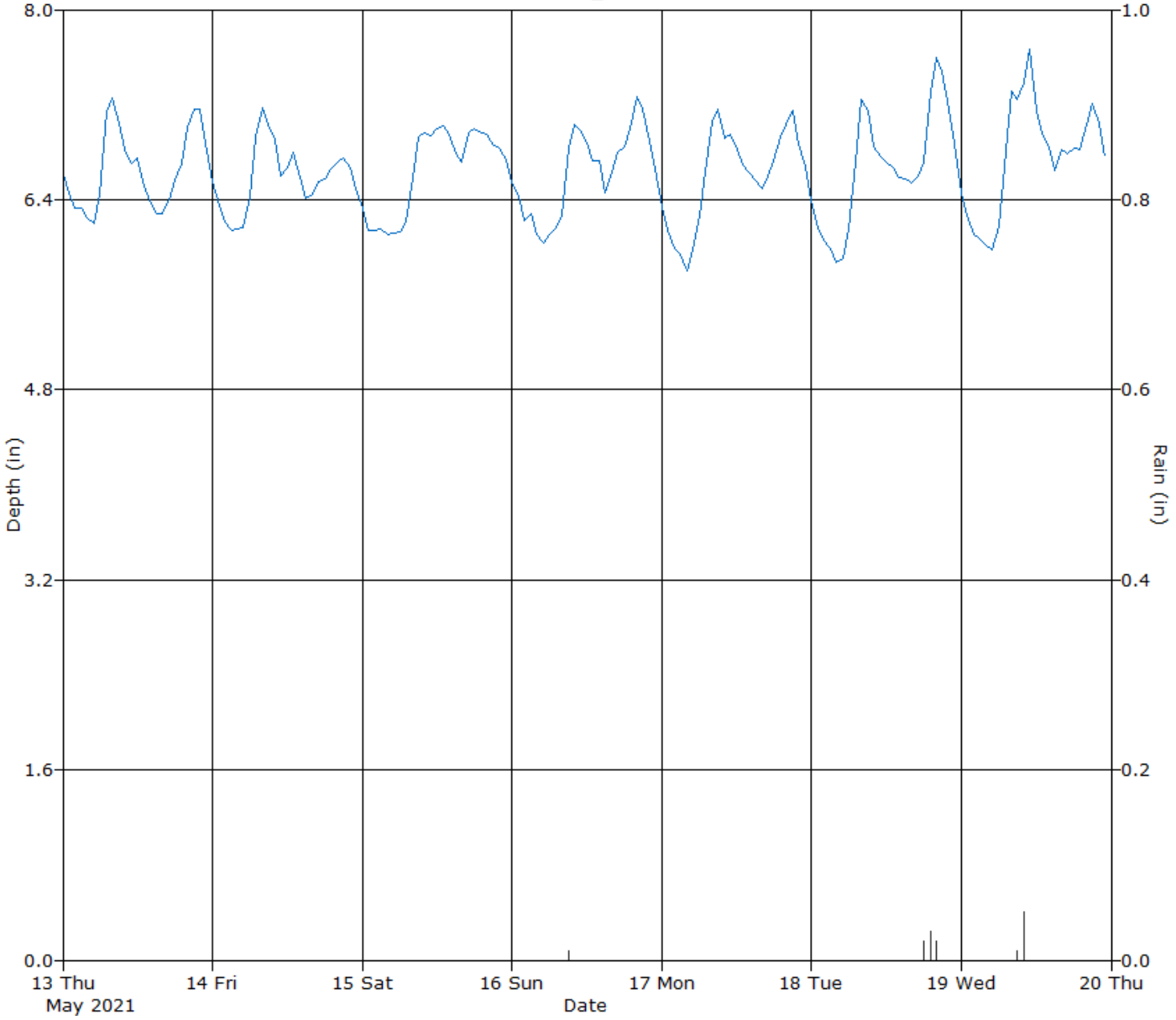


Report Period

5/13/2021
To
5/19/2021

Legend

Depth
Rain



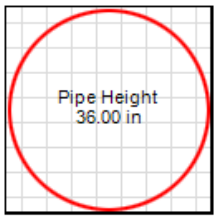
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

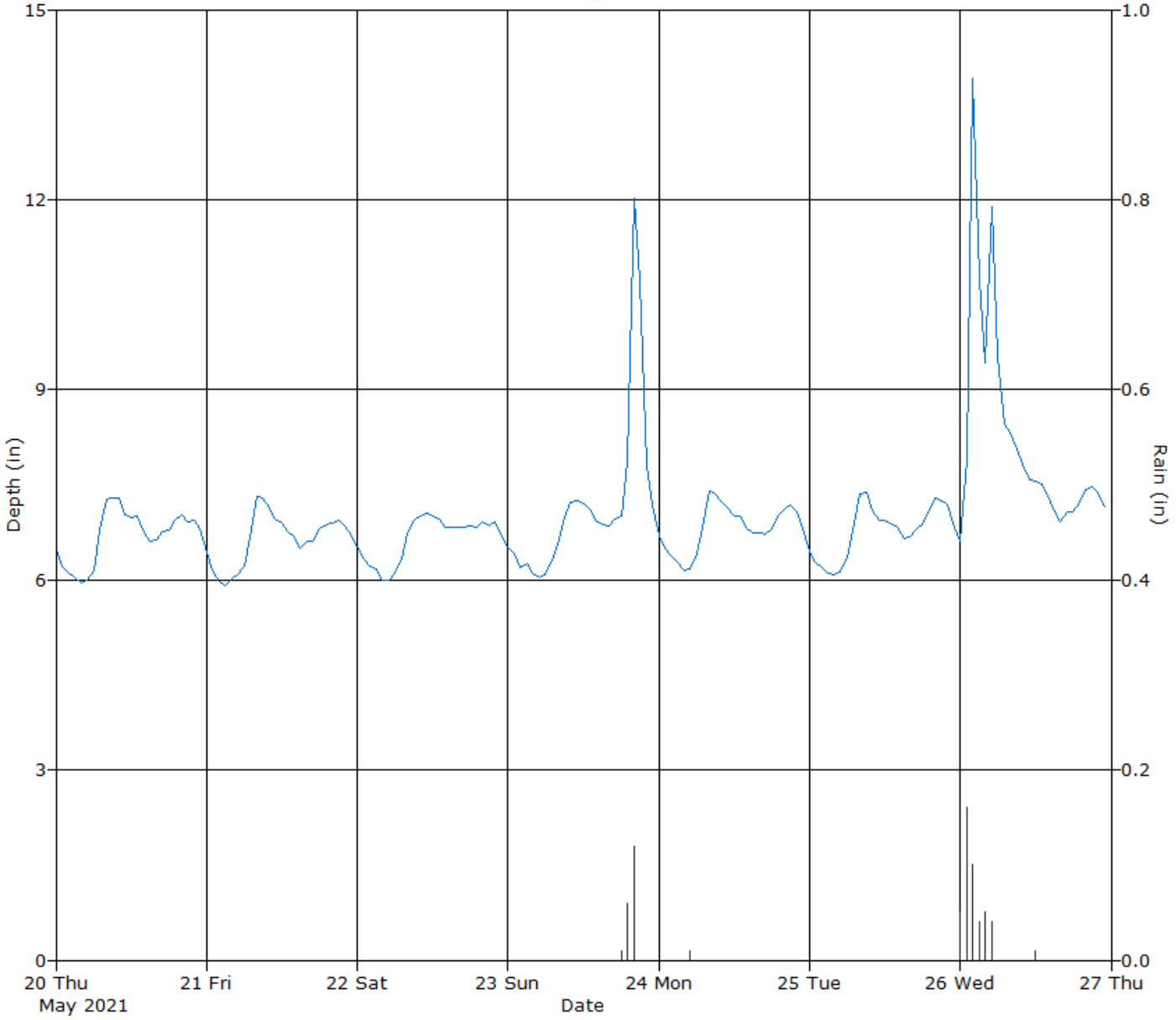


Report Period

5/20/2021
To
5/26/2021

Legend

Depth
Rain



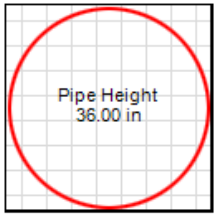
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

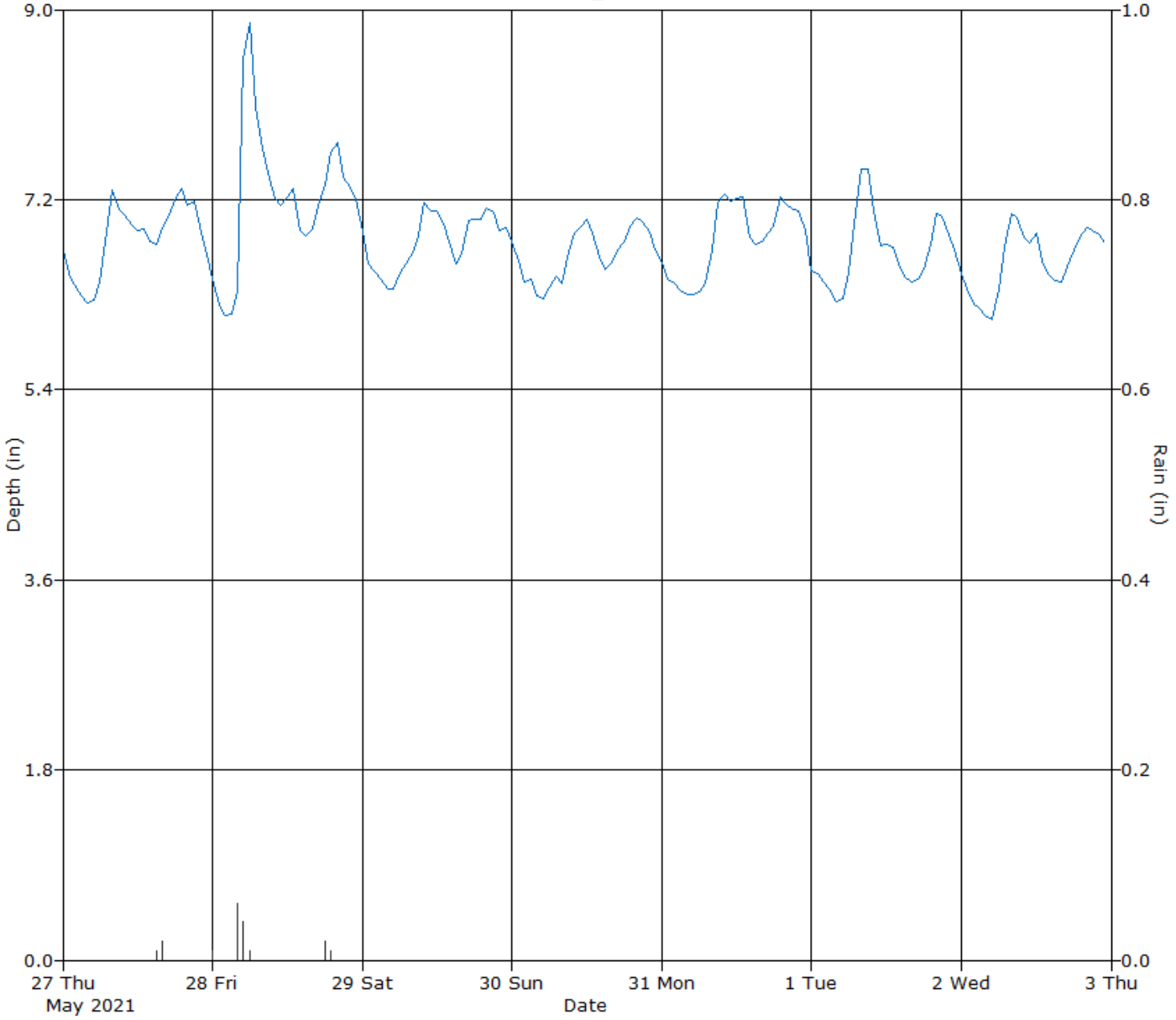


Report Period

5/27/2021
To
6/2/2021

Legend

Depth
Rain



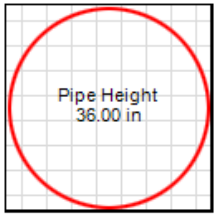
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

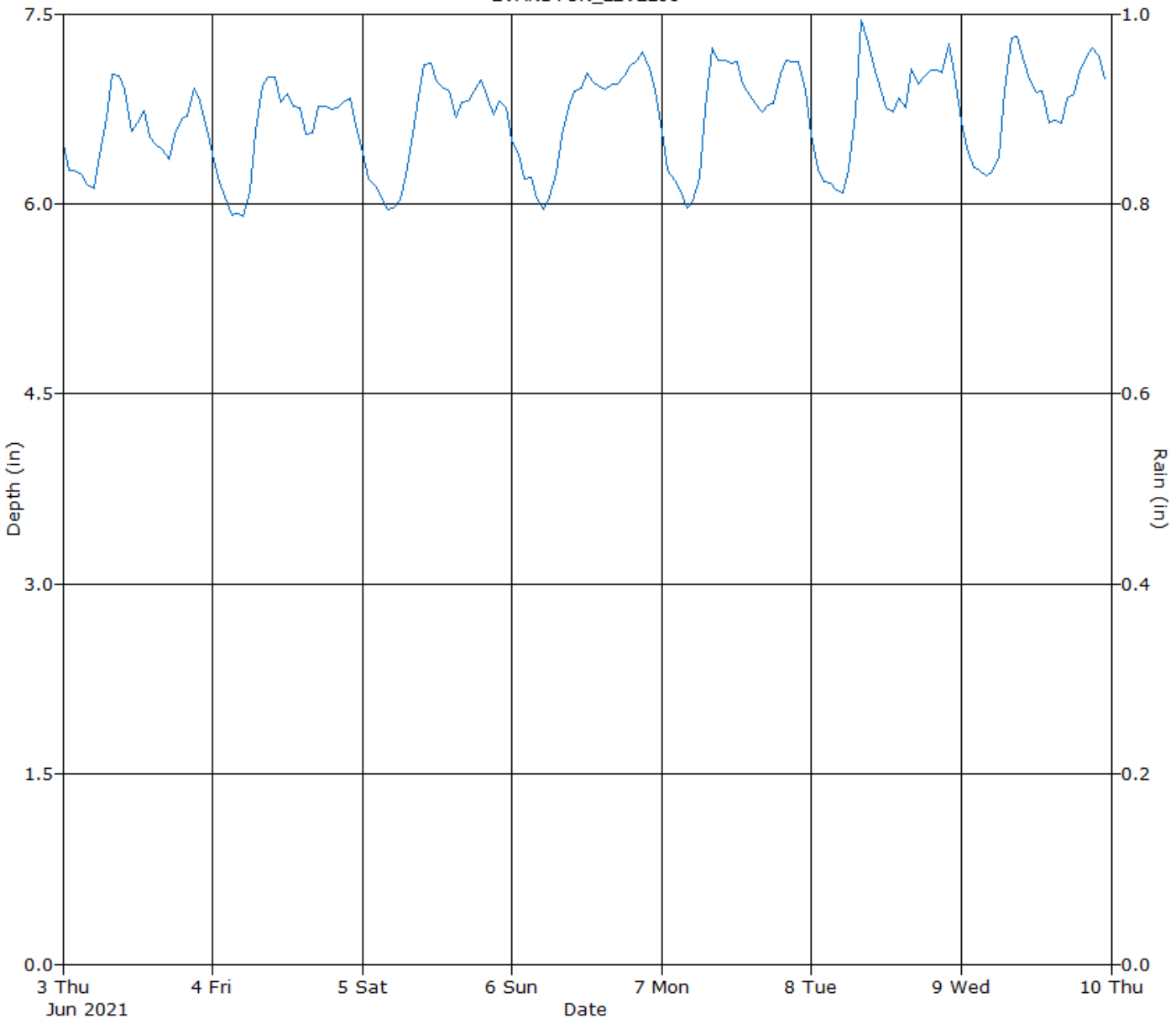


Report Period

6/3/2021
To
6/9/2021

Legend

Depth
Rain



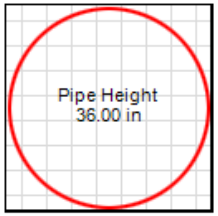
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

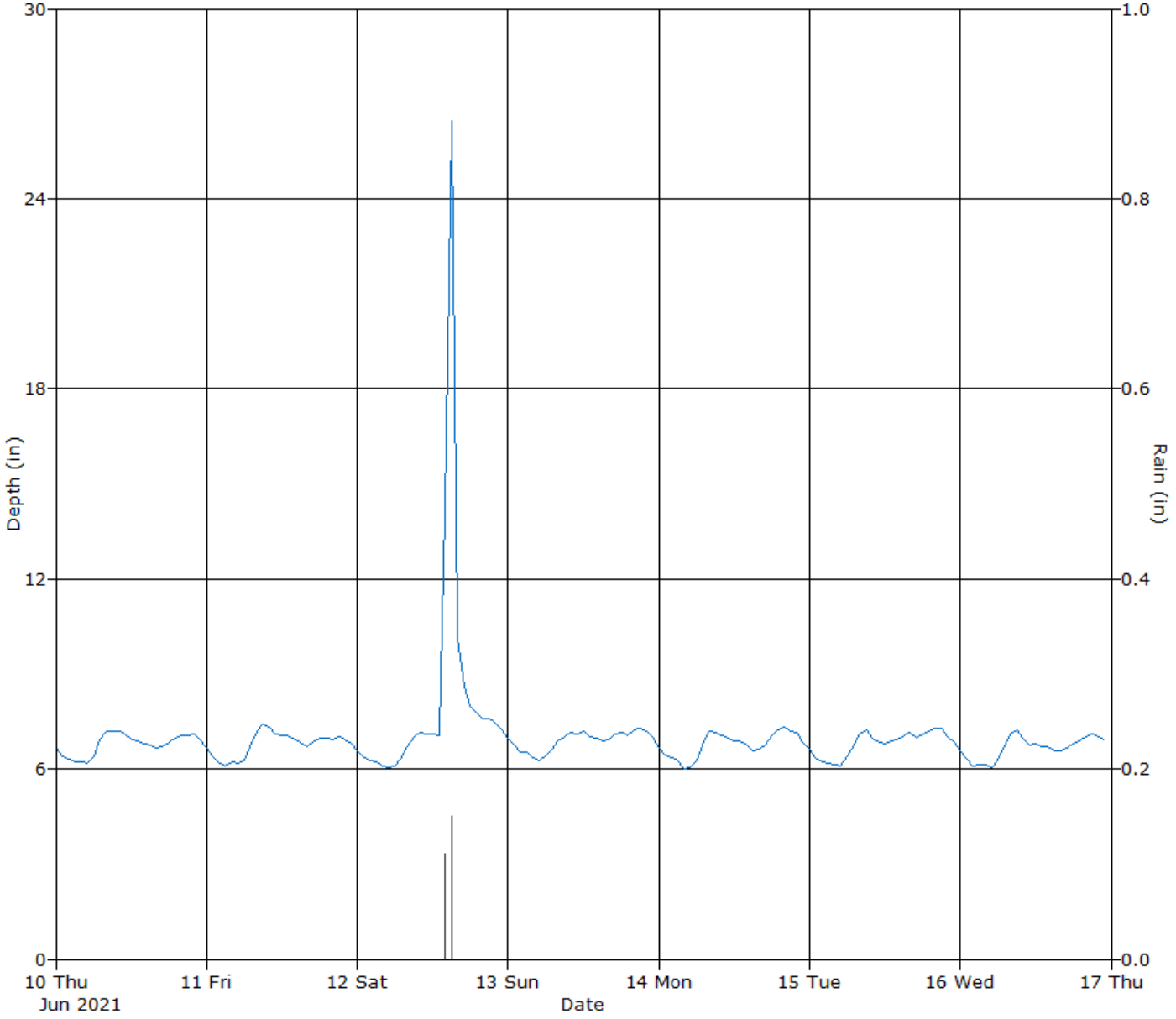


Report Period

6/10/2021
To
6/16/2021

Legend

Depth
Rain



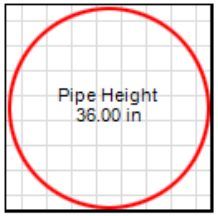
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

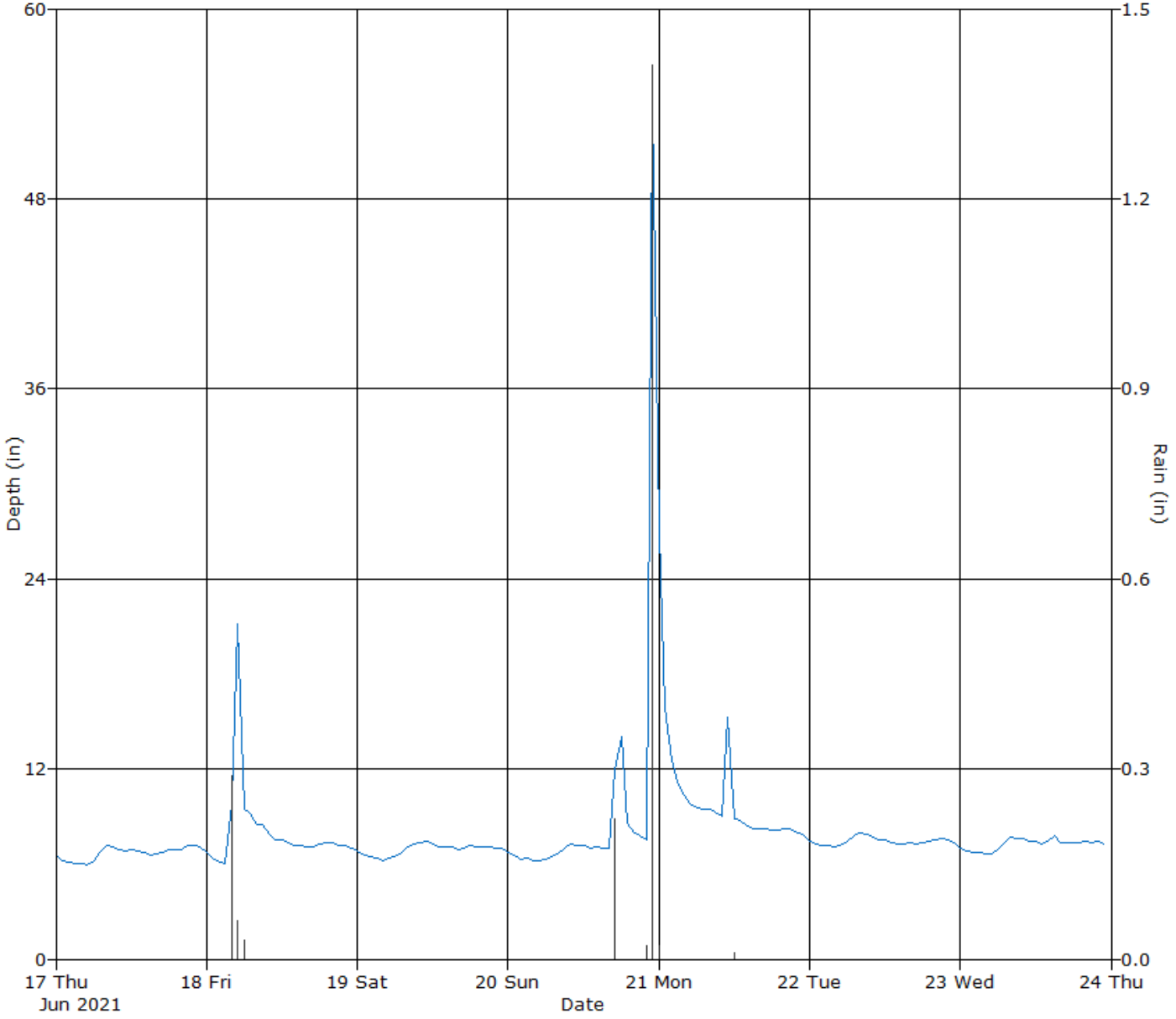


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Rain



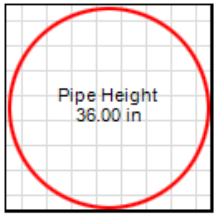
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

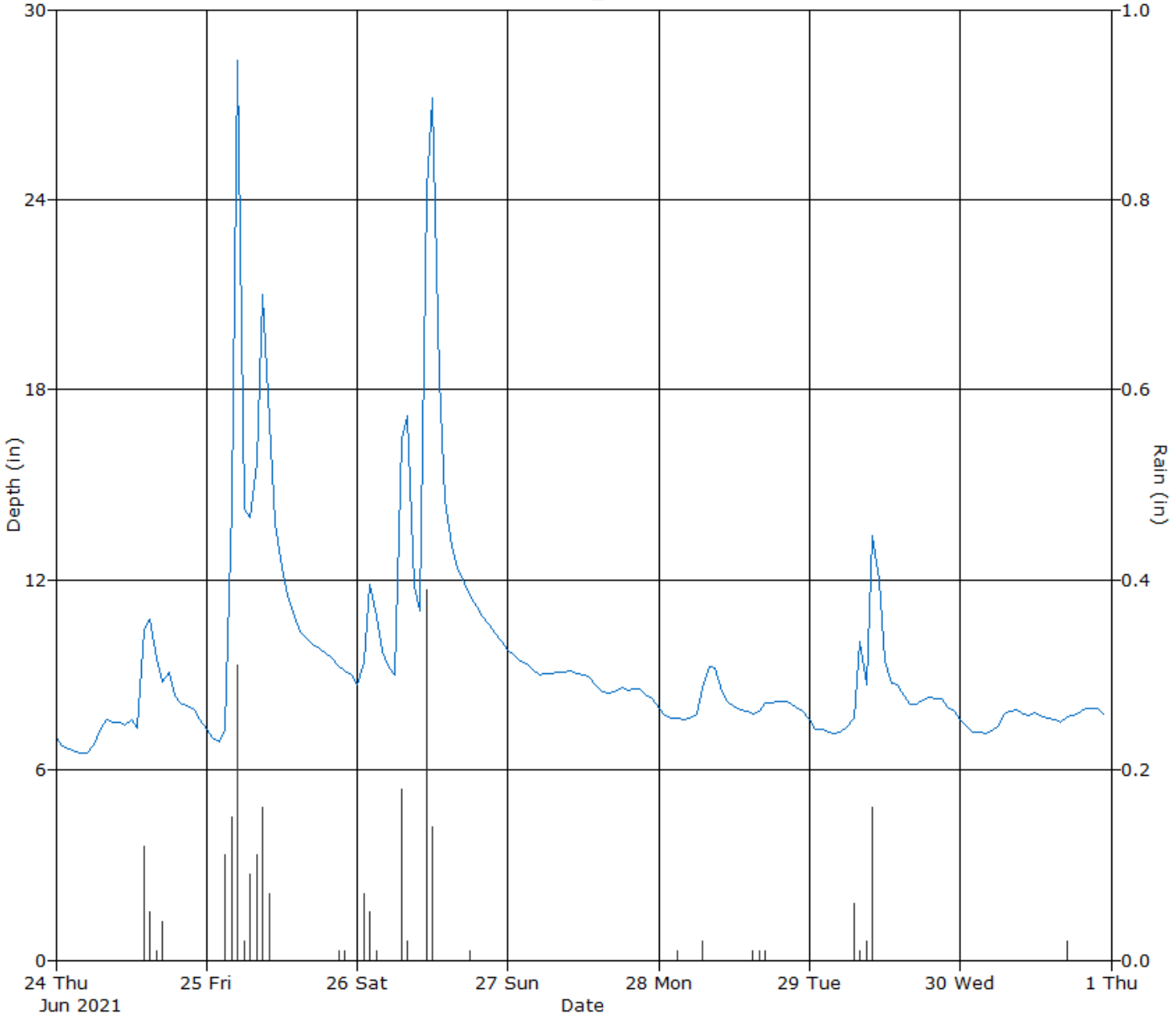


Report Period

6/24/2021
To
6/30/2021

Legend

Depth
Rain



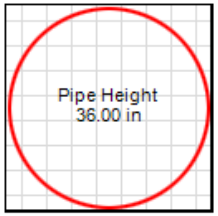
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

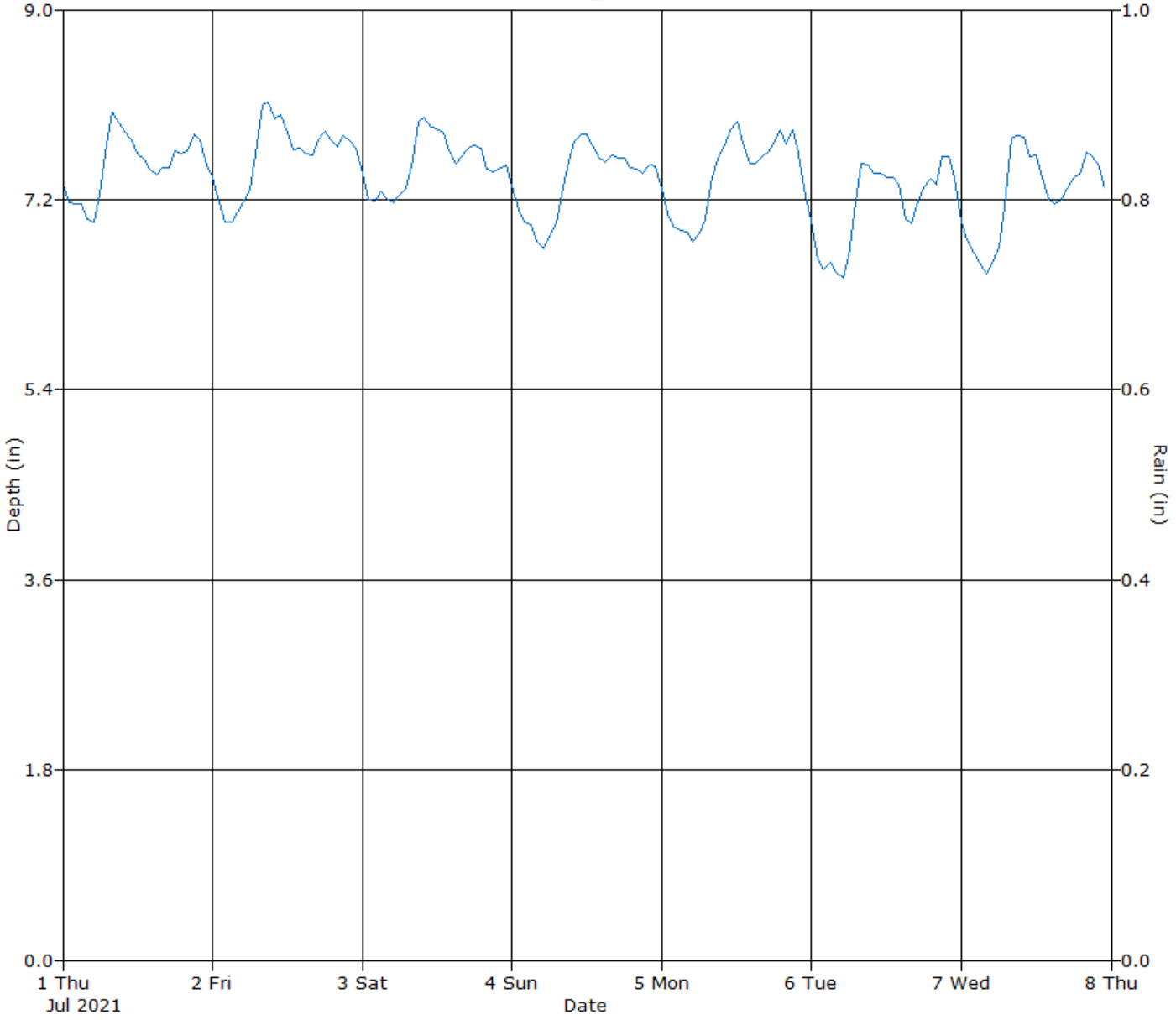


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Rain



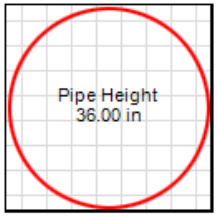
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

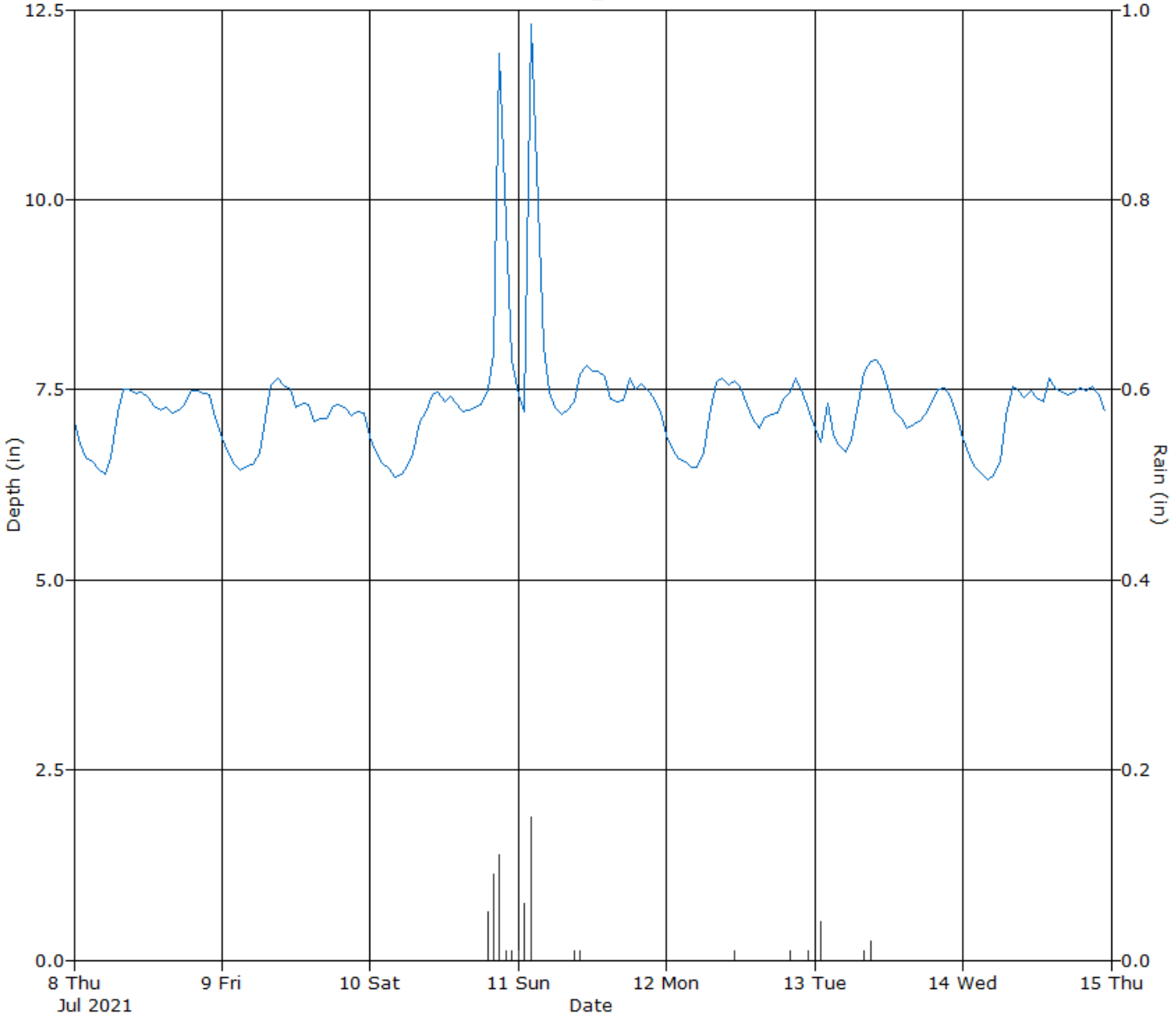


Report Period

7/8/2021
To
7/14/2021

Legend

Depth
Rain



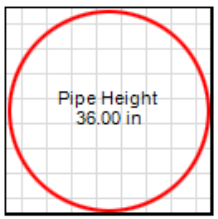
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

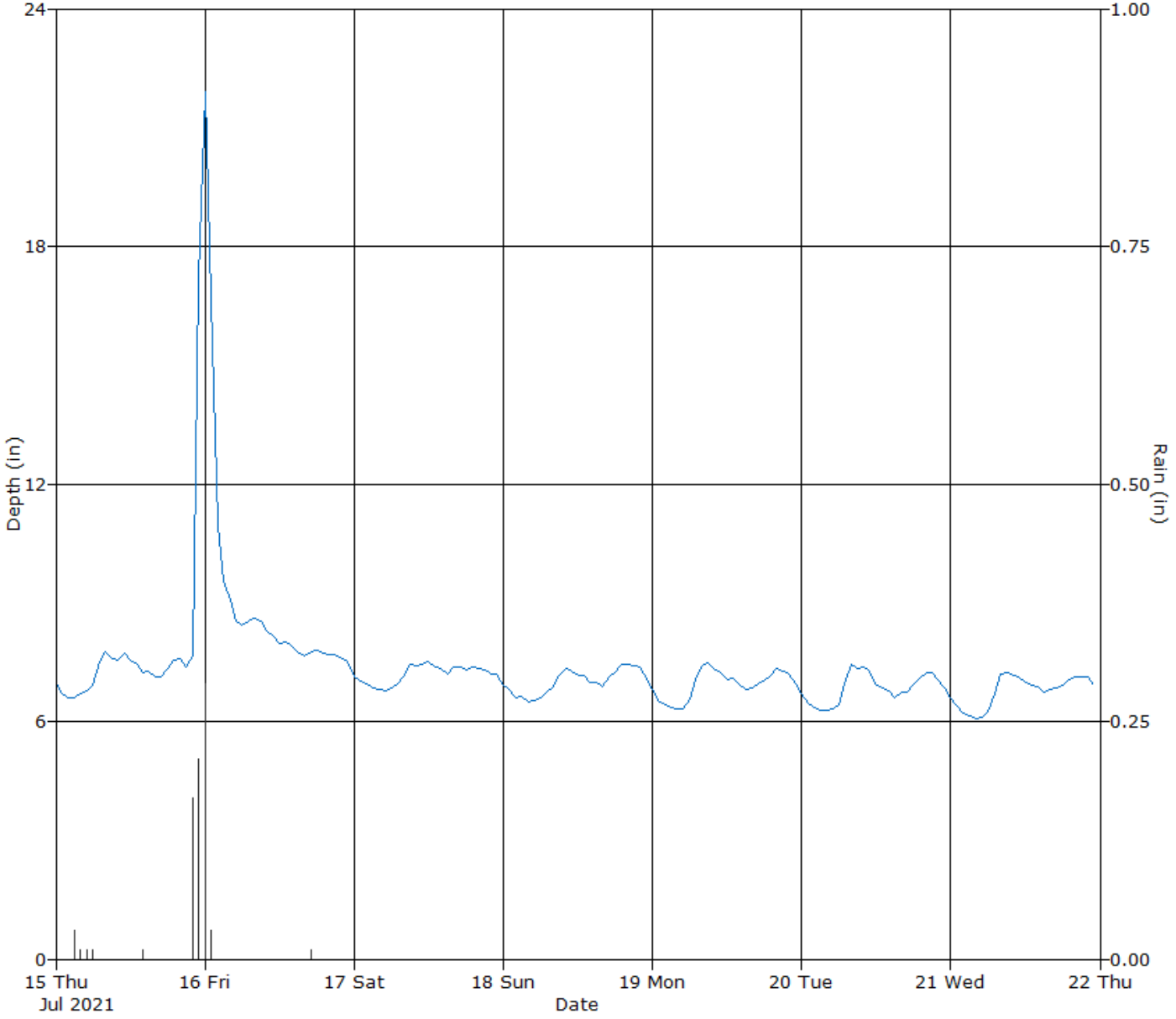


Report Period

7/15/2021
To
7/21/2021

Legend

Depth
Rain



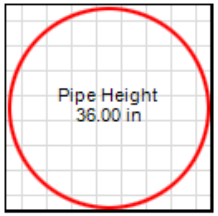
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

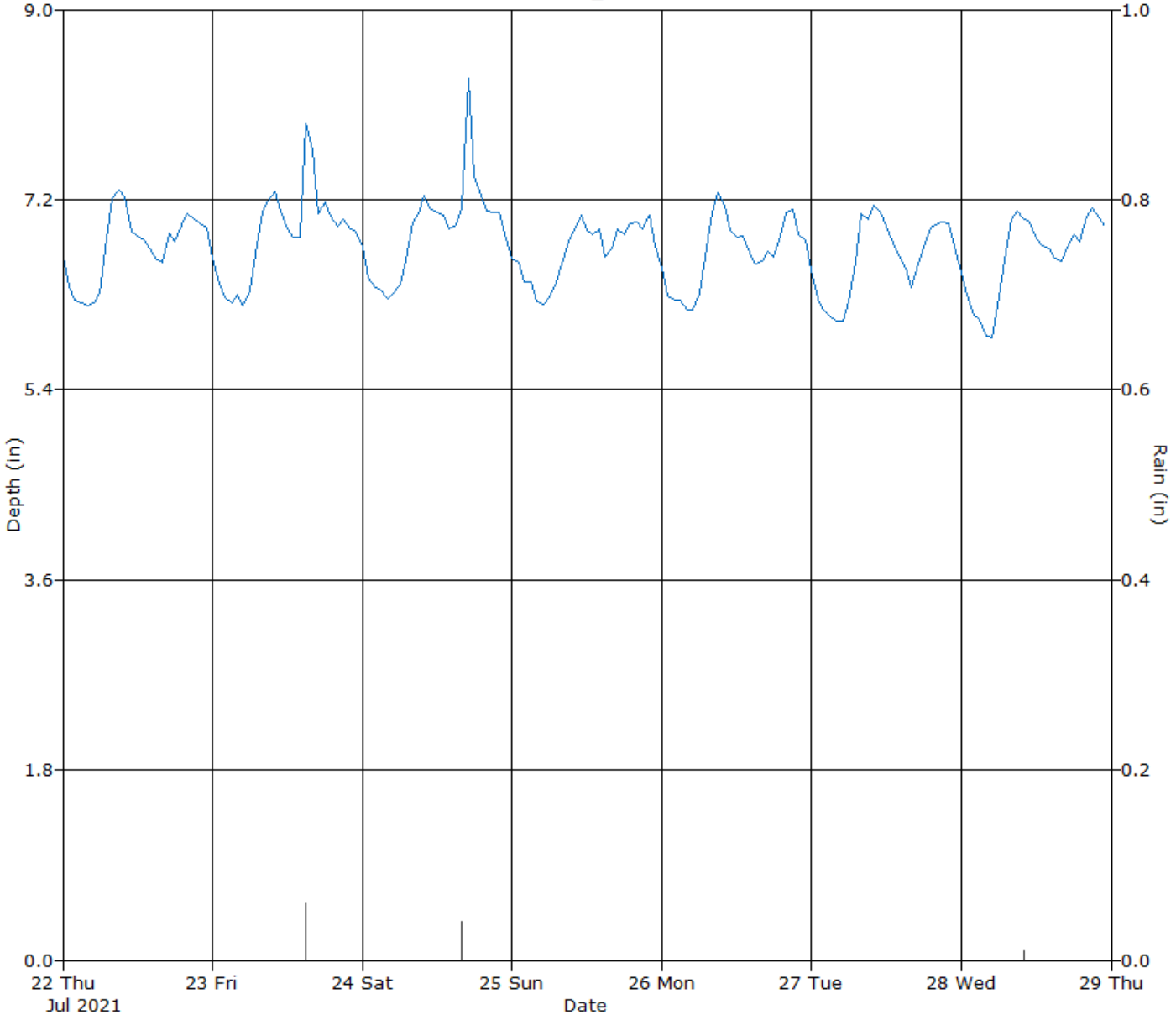


Report Period

7/22/2021
To
7/28/2021

Legend

Depth
Rain



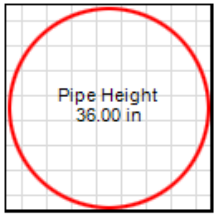
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

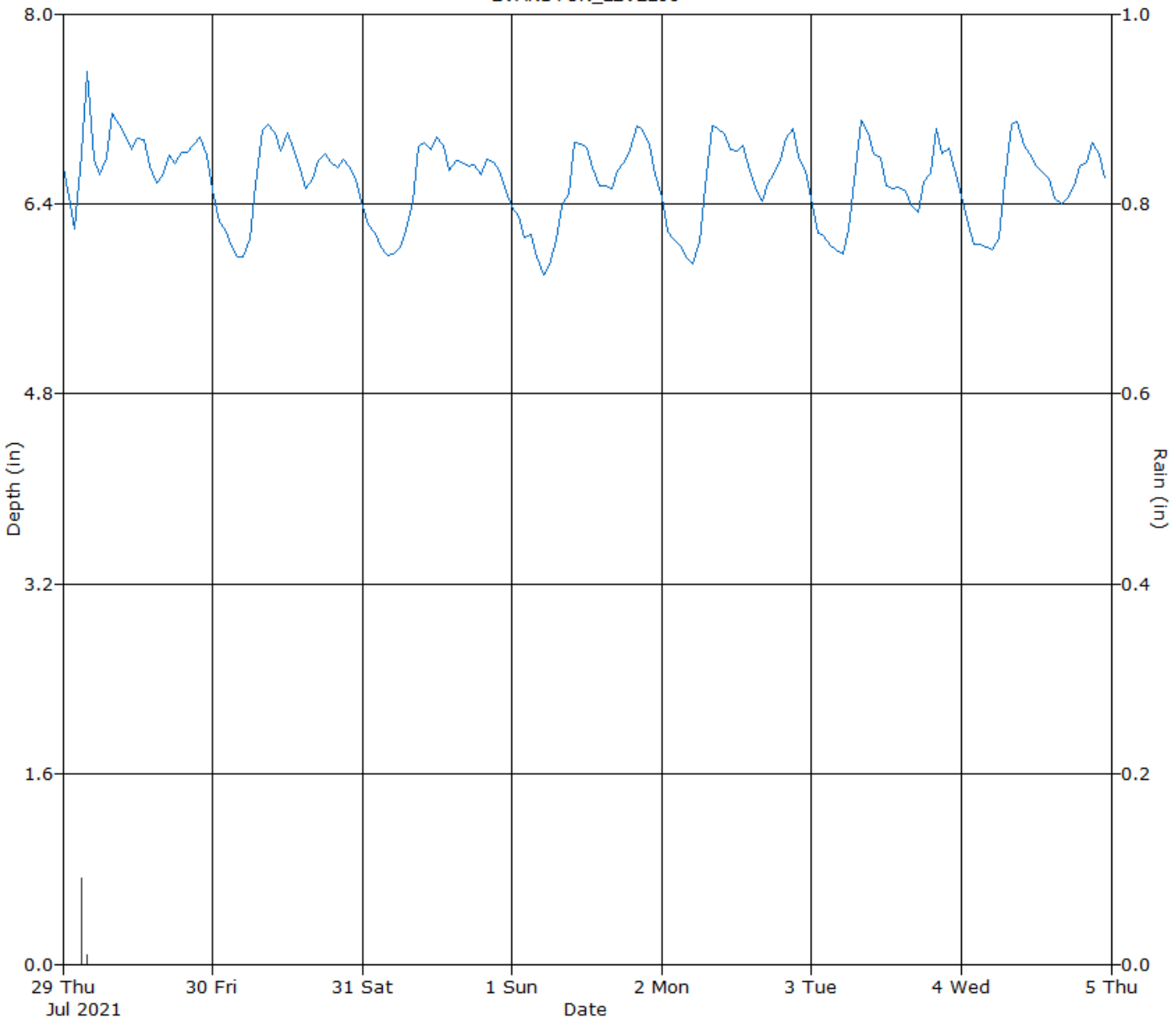


Report Period

7/29/2021
To
8/4/2021

Legend

Depth
Rain



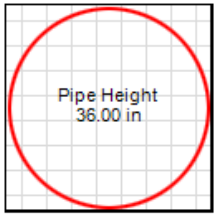
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

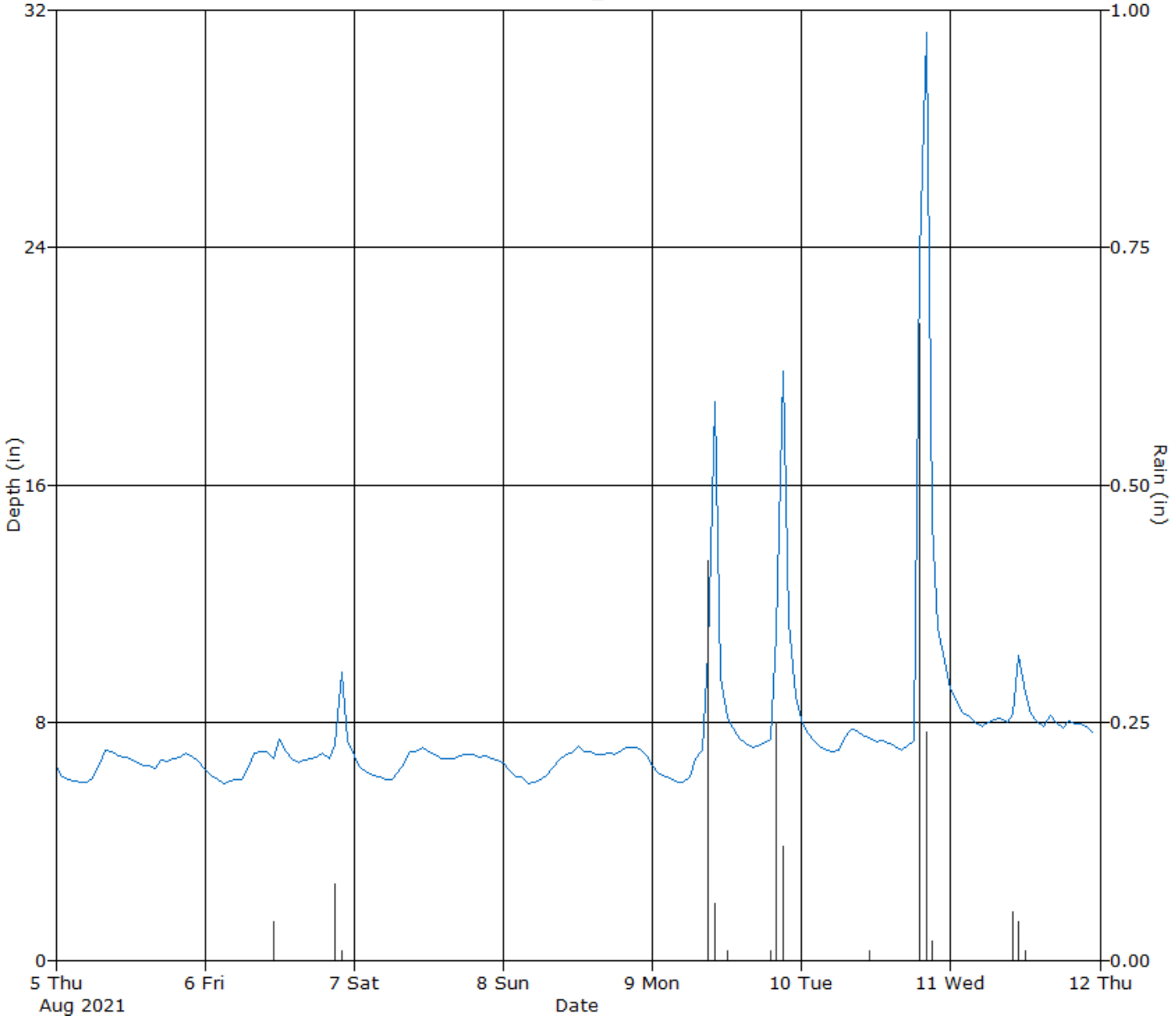


Report Period

8/5/2021
To
8/11/2021

Legend

Depth
Rain



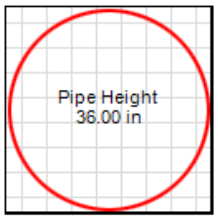
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

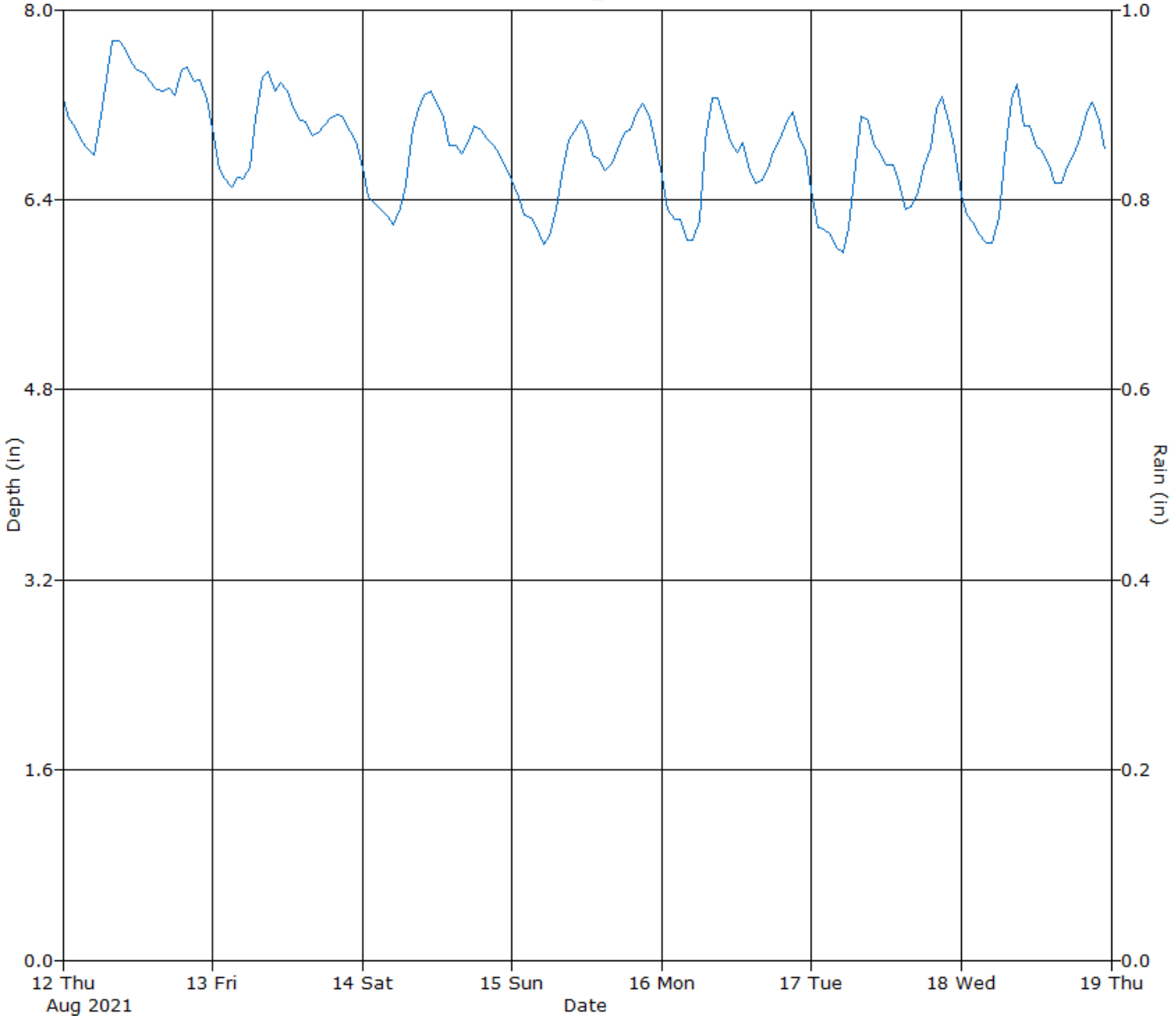


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Rain



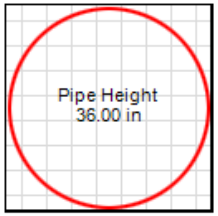
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

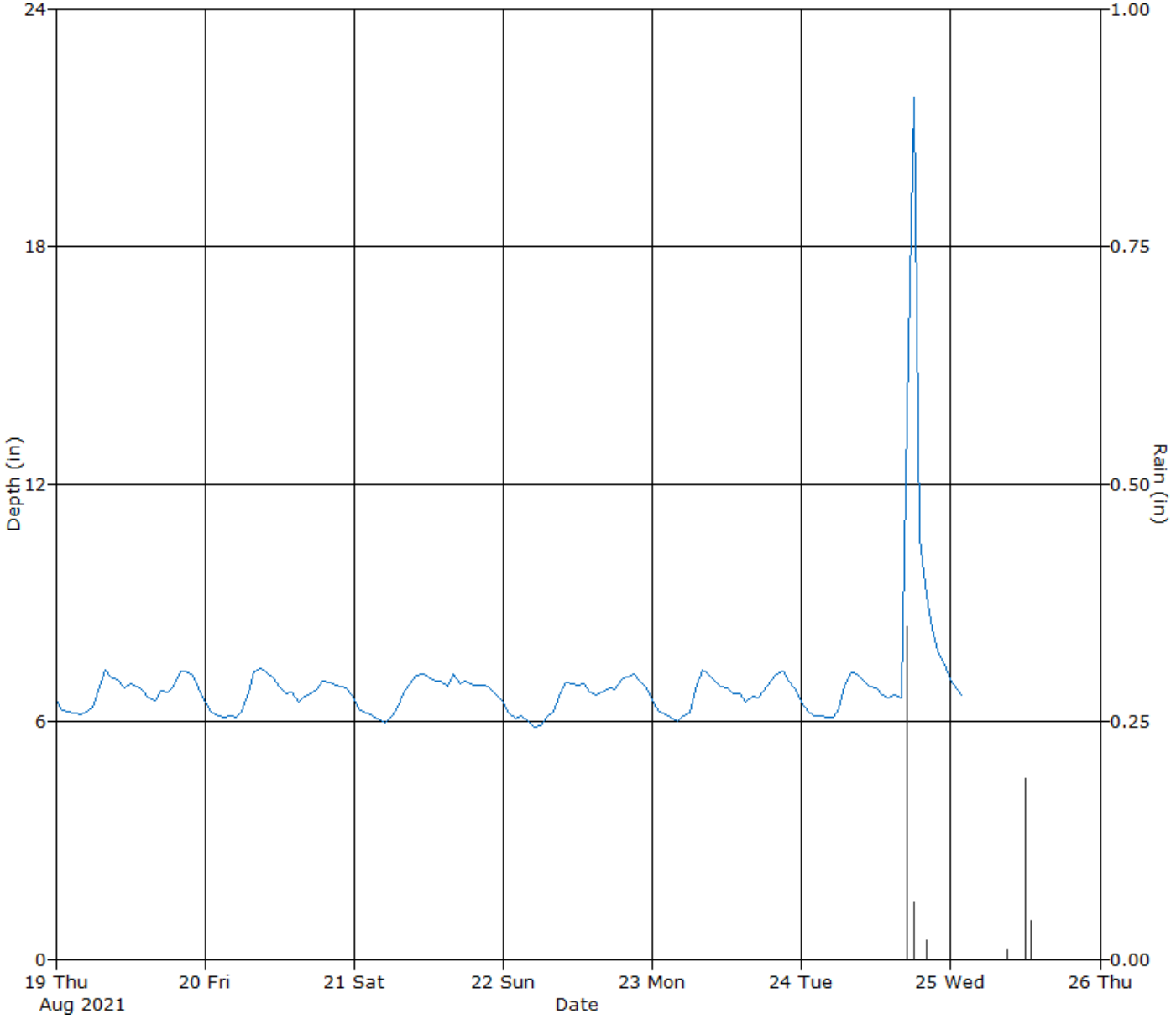


Report Period

8/19/2021
To
8/25/2021

Legend

Depth
Rain



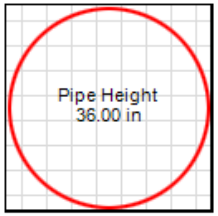
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL06

Flow Monitor

EVANSTON_LEVEL06

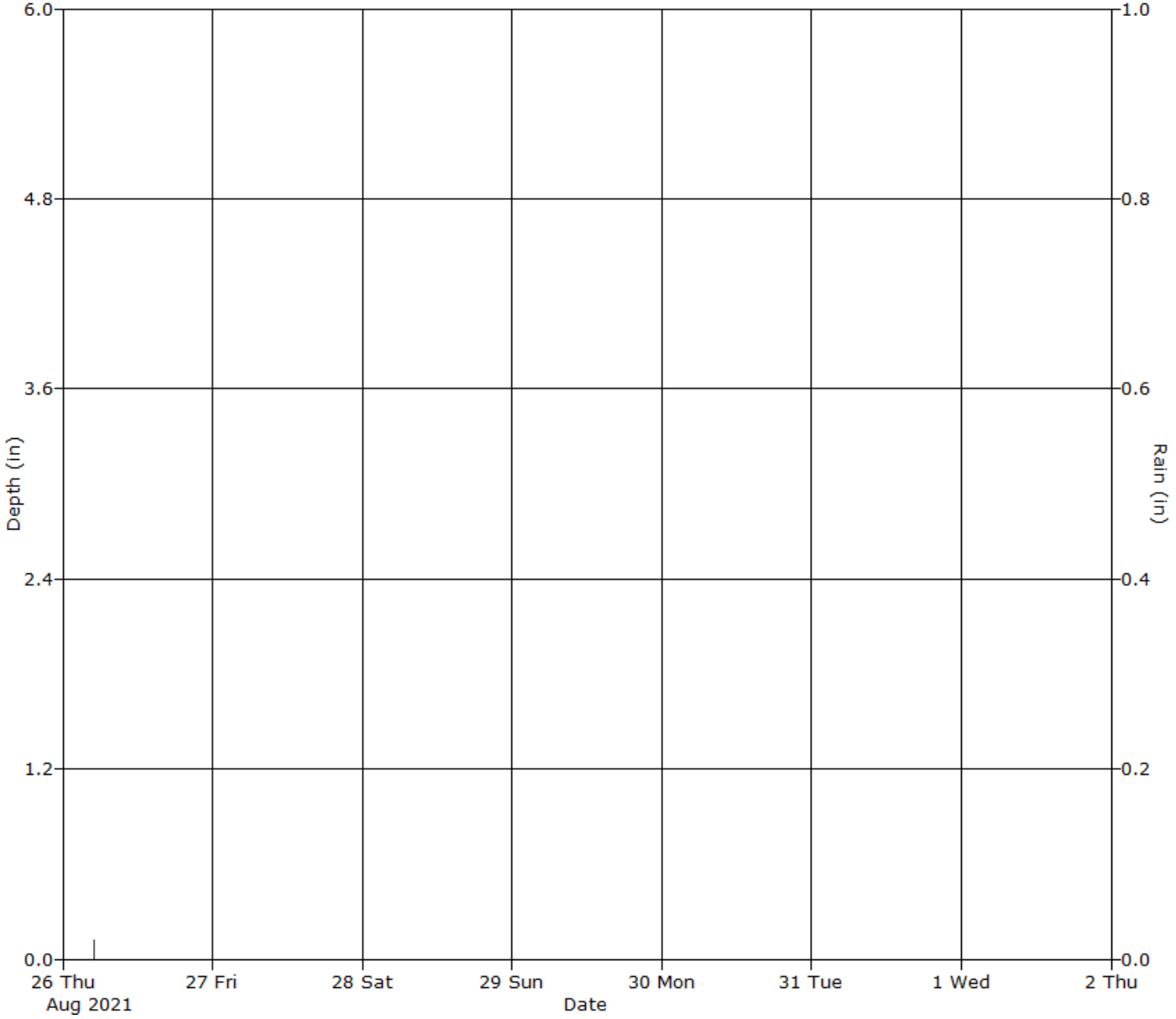


Report Period

8/26/2021
To
8/31/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_LEVEL06, Pipe Height: 36.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021	00:00		00:00														
04/05/2021	00:00		00:00														
04/06/2021	00:00		00:00														
04/07/2021	00:00		00:00														
04/08/2021	00:00		00:00														0.40
04/09/2021	00:00		00:00														
04/10/2021	00:00		00:00														0.52
04/11/2021	00:00		00:00														
04/12/2021	00:00		00:00														0.02
04/13/2021	00:00		00:00														
04/14/2021	14:45	4.15	21:10	8.00	7.40												
04/15/2021	03:55	6.78	21:40	7.98	7.27												
04/16/2021	05:50	6.62	09:10	8.11	7.21												
04/17/2021	05:55	6.63	20:20	7.68	7.12												
04/18/2021	05:00	6.54	10:35	8.02	7.26												
04/19/2021	04:00	6.55	09:10	8.07	7.19												
04/20/2021	05:55	6.38	10:35	7.93	7.14												
04/21/2021	05:15	6.30	19:20	7.75	7.05												
04/22/2021	05:25	6.37	09:05	7.78	7.08												
04/23/2021	05:00	6.29	08:15	7.70	6.88												
04/24/2021	05:50	6.25	10:35	7.88	6.92												
04/25/2021	05:40	6.13	10:35	7.67	6.91												
04/26/2021	05:10	6.25	08:00	7.39	6.78												
04/27/2021	05:25	5.97	20:10	7.56	6.71												
04/28/2021	05:30	5.99	11:15	9.14	6.85												0.03
04/29/2021	04:55	6.16	08:15	10.20	7.12												0.16
04/30/2021	16:05	6.31	08:50	7.71	6.89												0.01
05/01/2021	05:05	6.23	12:30	7.38	6.84												
05/02/2021	05:35	5.98	19:45	7.63	6.85												
05/03/2021	05:05	6.11	20:55	8.78	6.97												0.11
05/04/2021	04:00	6.12	08:15	7.52	6.80												
05/05/2021	02:40	6.25	21:15	7.42	6.77												
05/06/2021	04:05	5.99	11:10	7.94	6.87												0.04
05/07/2021	03:10	6.23	19:45	7.40	6.78												
05/08/2021	05:05	6.11	19:25	7.43	6.82												
05/09/2021	05:40	6.20	12:50	7.78	6.93												0.02
05/10/2021	04:55	6.16	21:10	7.63	6.82												
05/11/2021	05:45	6.15	20:45	7.66	6.78												
05/12/2021	15:30	6.12	21:50	7.42	6.69												
05/13/2021	05:20	6.08	08:20	7.41	6.65												
05/14/2021	04:55	6.07	08:30	7.28	6.58												
05/15/2021	05:50	5.99	13:45	7.16	6.65												
05/16/2021	05:35	5.97	20:00	7.47	6.63												0.01

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	04:10	5.72	09:25	7.28	6.60												
05/18/2021	05:30	5.75	20:30	7.68	6.67												0.07
05/19/2021	03:45	5.89	11:05	8.02	6.76												0.06
05/20/2021	04:10	5.89	09:10	7.51	6.70												
05/21/2021	03:15	5.82	08:35	7.60	6.64												
05/22/2021	04:45	5.91	12:35	7.19	6.66												
05/23/2021	06:00	5.96	20:40	50.09	7.18												0.19
05/24/2021	04:25	6.03	08:20	7.53	6.81												0.01
05/25/2021	04:05	5.98	08:50	7.62	6.77												
05/26/2021	00:35	6.50	02:15	16.55	8.22												0.45
05/27/2021	04:00	6.12	08:30	7.45	6.83												0.03
05/28/2021	03:05	5.96	06:05	9.15	7.22												0.15
05/29/2021	05:00	6.28	20:05	7.40	6.80												
05/30/2021	05:05	6.17	19:55	7.17	6.68												
05/31/2021	05:00	6.18	10:20	7.41	6.82												
06/01/2021	04:30	6.17	09:30	7.76	6.71												
06/02/2021	05:05	5.92	08:35	7.19	6.61												
06/03/2021	05:40	6.02	08:30	7.16	6.56												
06/04/2021	05:25	5.69	10:15	7.17	6.57												
06/05/2021	05:35	5.88	10:20	7.36	6.61												
06/06/2021	05:35	5.90	21:15	7.44	6.70												
06/07/2021	05:50	5.85	08:25	7.40	6.75												
06/08/2021	05:40	6.02	08:40	7.70	6.77												
06/09/2021	03:50	6.06	08:15	7.46	6.79												
06/10/2021	05:20	6.02	09:50	7.36	6.78												
06/11/2021	03:50	6.02	09:40	7.56	6.79												
06/12/2021	05:50	5.94	15:00	50.80	8.21												0.26
06/13/2021	05:05	6.24	20:30	7.45	6.90												
06/14/2021	04:50	5.90	20:30	7.51	6.76												
06/15/2021	05:05	5.94	21:05	7.50	6.81												
06/16/2021	05:35	5.95	09:20	7.39	6.68												
06/17/2021	05:05	5.84	22:10	7.35	6.68												
06/18/2021	04:45	5.74	04:55	50.50	8.09												0.38
06/19/2021	04:50	6.17	11:10	7.57	6.92												
06/20/2021	04:40	6.13	23:35	69.28	9.43												1.65
06/21/2021	23:55	7.68	11:05	85.67	10.33												0.03
06/22/2021	14:40	6.93	07:50	8.08	7.43												
06/23/2021	05:05	6.53	15:00	8.24	7.25												
06/24/2021	03:45	6.41	14:40	12.99	7.81												0.22
06/25/2021	03:35	6.62	05:05	50.59	12.01												1.04
06/26/2021	01:15	8.37	11:55	50.78	12.97												0.87
06/27/2021	22:45	8.14	00:00	9.97	8.90												
06/28/2021	02:15	7.39	09:50	10.19	8.06												0.06
06/29/2021	03:45	7.06	10:40	17.64	8.45												0.25
06/30/2021	02:50	7.07	22:00	8.22	7.62												0.02
07/01/2021	05:25	6.84	08:00	8.18	7.52												
07/02/2021	03:50	6.90	08:55	8.33	7.61												
07/03/2021	02:20	7.06	12:10	8.14	7.54												
07/04/2021	04:30	6.66	12:20	7.98	7.38												
07/05/2021	05:25	6.74	12:10	8.10	7.43												
07/06/2021	06:10	6.35	21:20	7.81	7.15												
07/07/2021	04:05	6.45	10:15	7.99	7.25												
07/08/2021	05:25	6.25	20:25	7.60	7.15												
07/09/2021	03:35	6.38	11:00	7.91	7.09												
07/10/2021	04:10	6.26	21:35	13.35	7.40												0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	01:45	7.07	02:30	15.14	7.81												0.24
07/12/2021	04:05	6.40	11:50	8.37	7.15												0.03
07/13/2021	05:30	6.58	09:55	8.18	7.25												0.07
07/14/2021	04:05	6.22	14:20	7.91	7.17												
07/15/2021	04:10	6.14	23:15	18.97	7.66												0.45
07/16/2021	23:50	7.25	00:35	23.89	9.17												0.33
07/17/2021	05:10	6.60	09:45	7.68	7.19												
07/18/2021	04:45	6.37	19:40	7.59	7.01												
07/19/2021	05:15	6.20	09:50	7.63	6.93												
07/20/2021	03:45	6.15	10:00	7.88	6.84												
07/21/2021	04:00	6.00	08:50	7.38	6.77												
07/22/2021	04:05	6.07	10:05	7.79	6.75												
07/23/2021	05:30	6.10	15:40	9.24	6.87												0.06
07/24/2021	05:35	6.19	17:15	8.95	6.92												0.04
07/25/2021	04:45	6.15	22:10	7.23	6.71												
07/26/2021	03:50	6.02	09:40	7.61	6.70												
07/27/2021	04:00	5.98	11:00	7.37	6.65												
07/28/2021	05:10	5.63	11:35	7.24	6.66												0.01
07/29/2021	03:05	5.98	04:00	7.66	6.82												0.10
07/30/2021	05:25	5.84	09:20	7.27	6.60												
07/31/2021	03:45	5.89	13:05	7.15	6.54												
08/01/2021	05:10	5.76	20:35	7.22	6.52												
08/02/2021	04:55	5.84	21:15	7.19	6.58												
08/03/2021	04:00	5.89	08:50	7.25	6.54												
08/04/2021	05:05	5.88	08:30	7.38	6.55												
08/05/2021	04:00	5.84	08:35	7.25	6.57												
08/06/2021	03:55	5.87	22:20	10.61	6.81												0.13
08/07/2021	06:35	5.98	11:20	7.35	6.69												
08/08/2021	04:15	5.82	12:35	7.36	6.71												
08/09/2021	04:20	5.86	10:00	30.47	8.61												0.87
08/10/2021	06:05	6.81	20:10	50.45	9.63												0.94
08/11/2021	23:55	7.39	11:40	10.94	8.23												0.10
08/12/2021	05:25	6.60	09:45	7.86	7.32												
08/13/2021	03:25	6.42	11:35	7.84	7.00												
08/14/2021	05:45	6.12	10:50	7.41	6.78												
08/15/2021	05:45	5.99	21:10	7.32	6.69												
08/16/2021	04:20	5.96	09:25	7.63	6.70												
08/17/2021	05:10	5.89	21:15	7.44	6.60												
08/18/2021	04:15	5.95	09:50	8.12	6.70												
08/19/2021	04:05	5.98	20:45	7.54	6.75												
08/20/2021	03:10	6.03	09:35	7.46	6.70												
08/21/2021	04:10	5.88	12:05	7.42	6.72												
08/22/2021	05:05	5.80	21:40	7.28	6.60												
08/23/2021	04:15	5.91	09:25	7.55	6.69												
08/24/2021	03:50	5.94	17:55	50.11	7.96												0.43
08/25/2021	02:25	6.47	00:00	7.36	6.87												0.24
08/26/2021																	0.02
08/27/2021																	
08/28/2021																	
08/29/2021																	
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Rain (in)
Total		11.39
Avg	7.16	

Evanston, IL

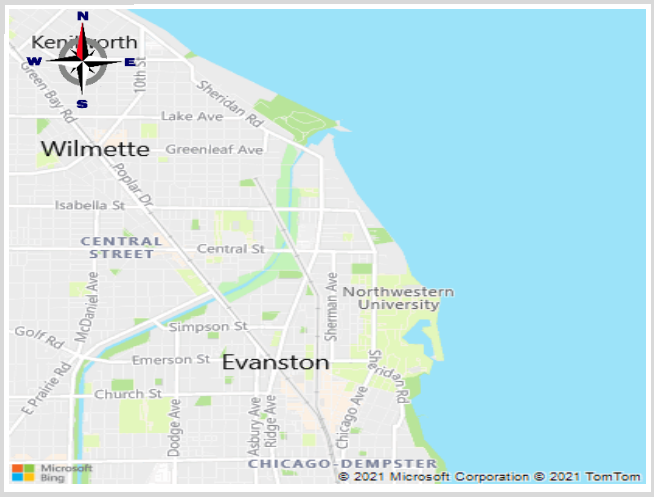
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

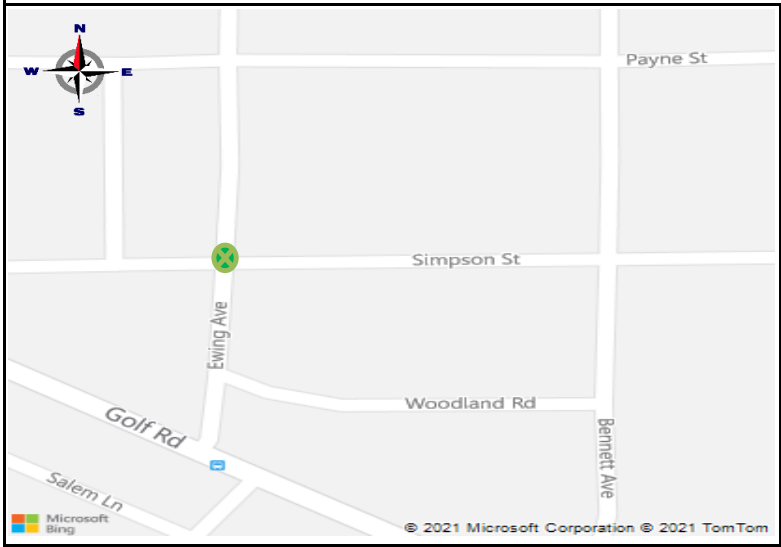
LEVEL09

Site Address /Location:	Intersection of Simpson St. and Ewing Ave.			Monitor Series	Location Type
				VZ Echo LTE-M	Temporary
Site Access Details:	in road	Latitude:	42.0554244	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.7129853	17 x 17	Circular



Manhole #	System Characteristics
B05_07300	Residential
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, April 14, 2021	Bar Mount
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
ECHO Depth	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
1:43:00 PM	17 x 17
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
0.25	88.75
Downlooker Physical Offset (in)	Measurement Confidence (in)
19.75	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
Silt (in)	Silt Type
0	

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
9	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

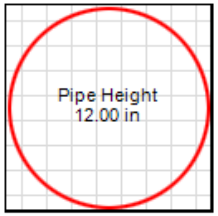
Additional Site Info. / Comments:

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

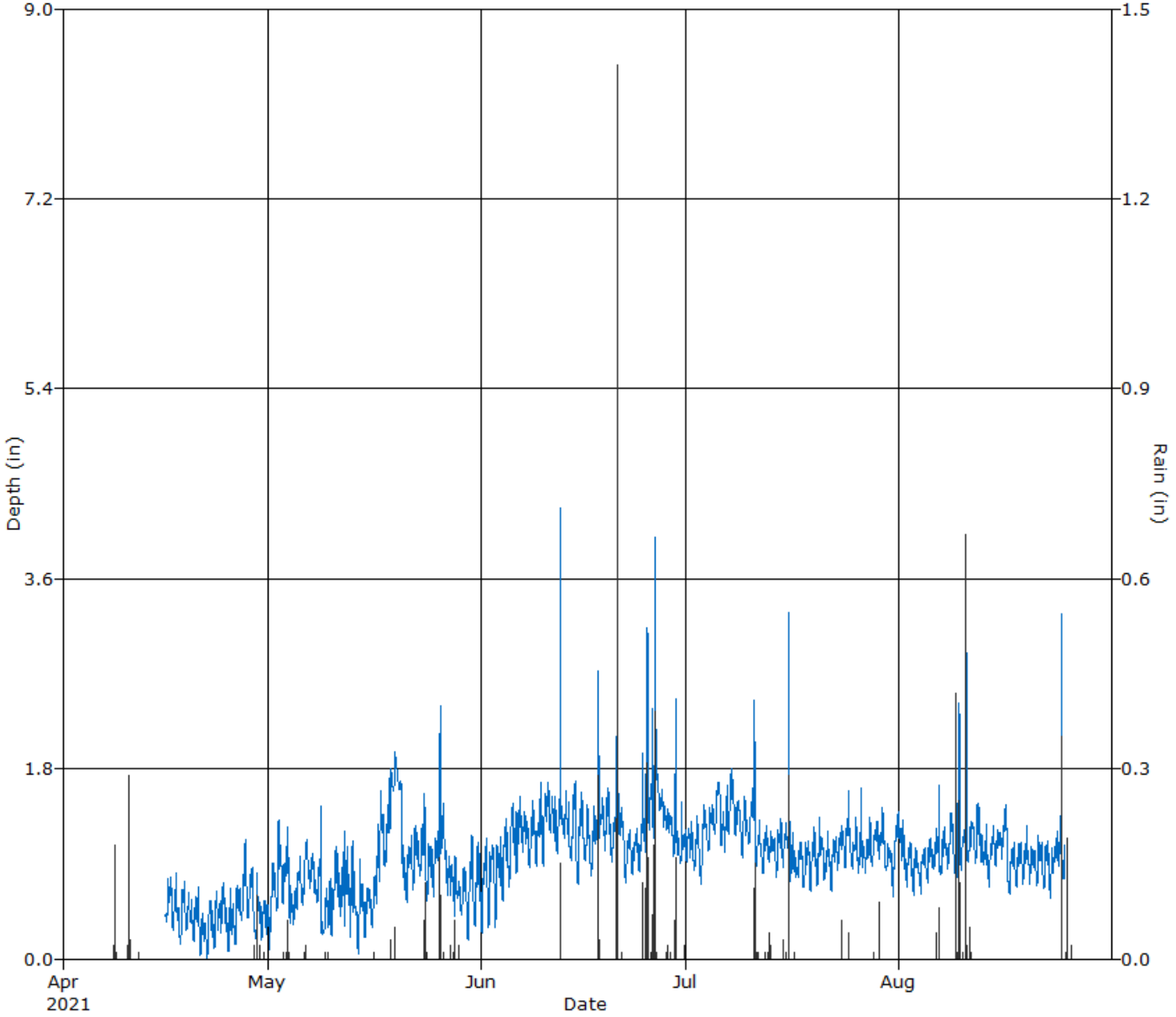


Report Period

4/1/2021
To
8/31/2021

Legend

Depth
Rain



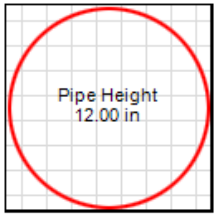
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

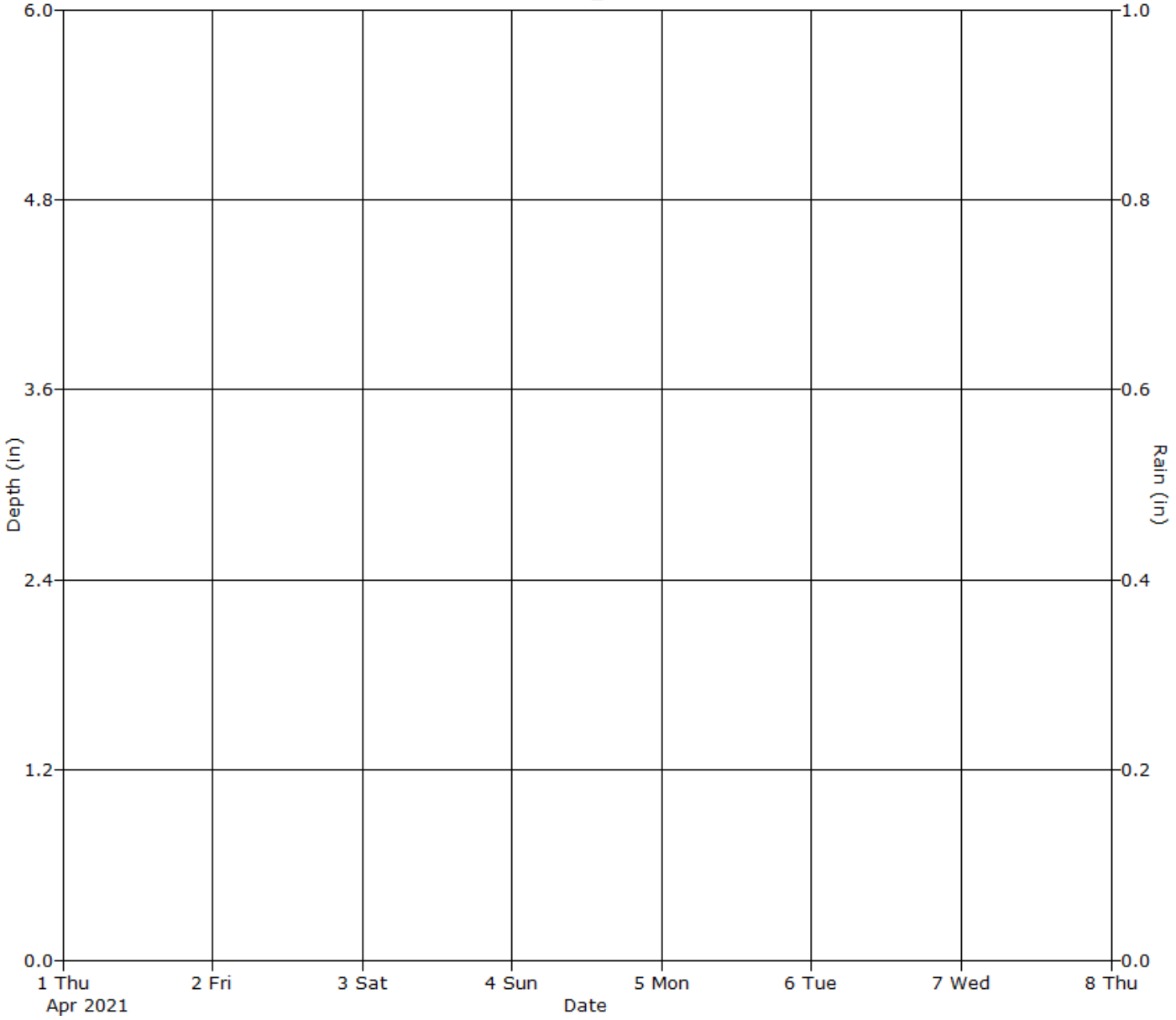


Report Period

4/1/2021
To
4/7/2021

Legend

Depth
Rain



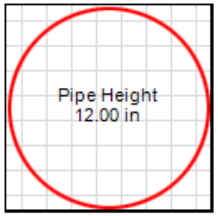
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

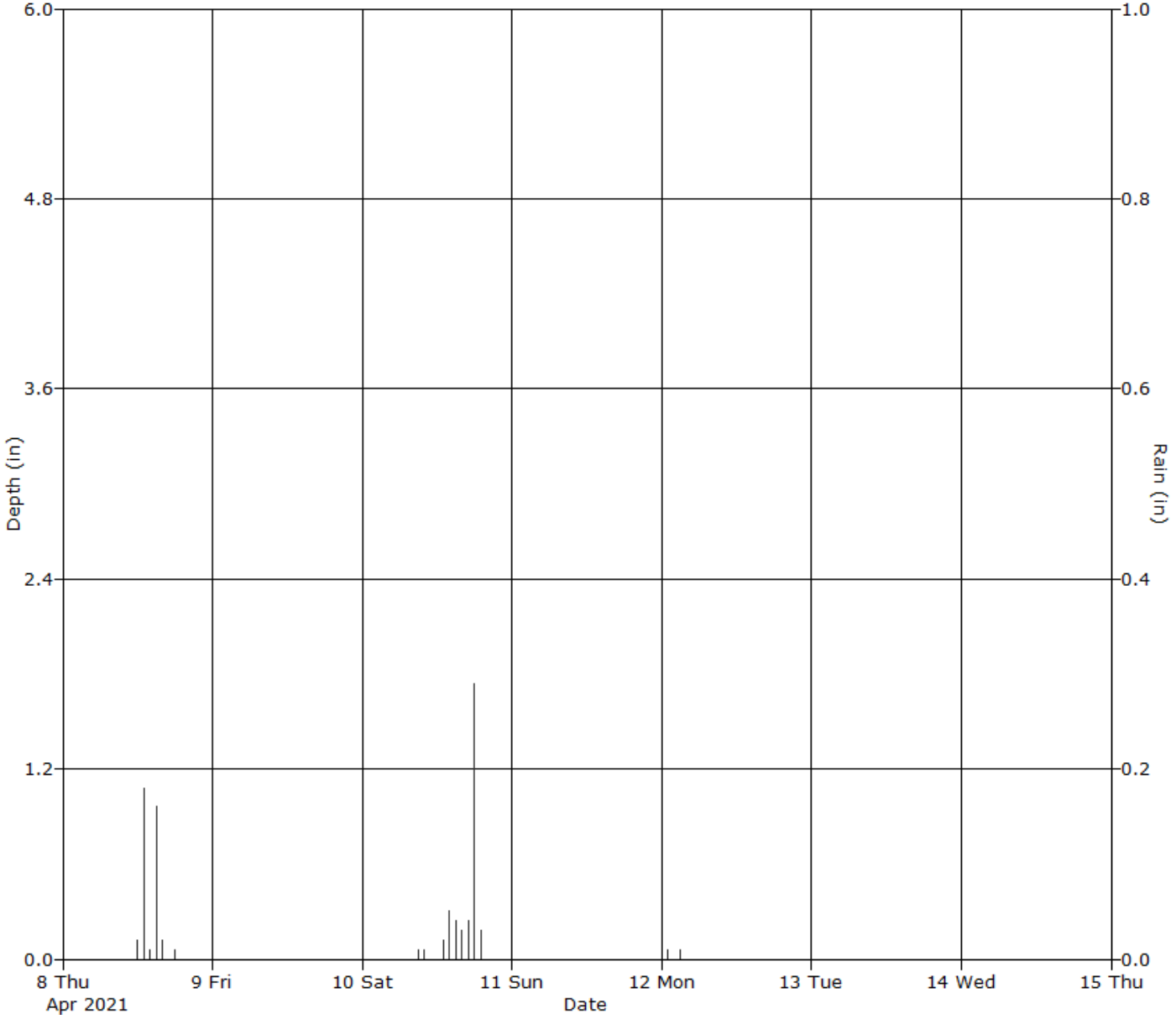


Report Period

4/8/2021
To
4/14/2021

Legend

Depth
Rain



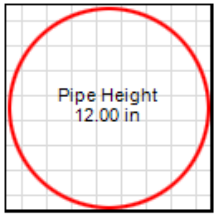
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

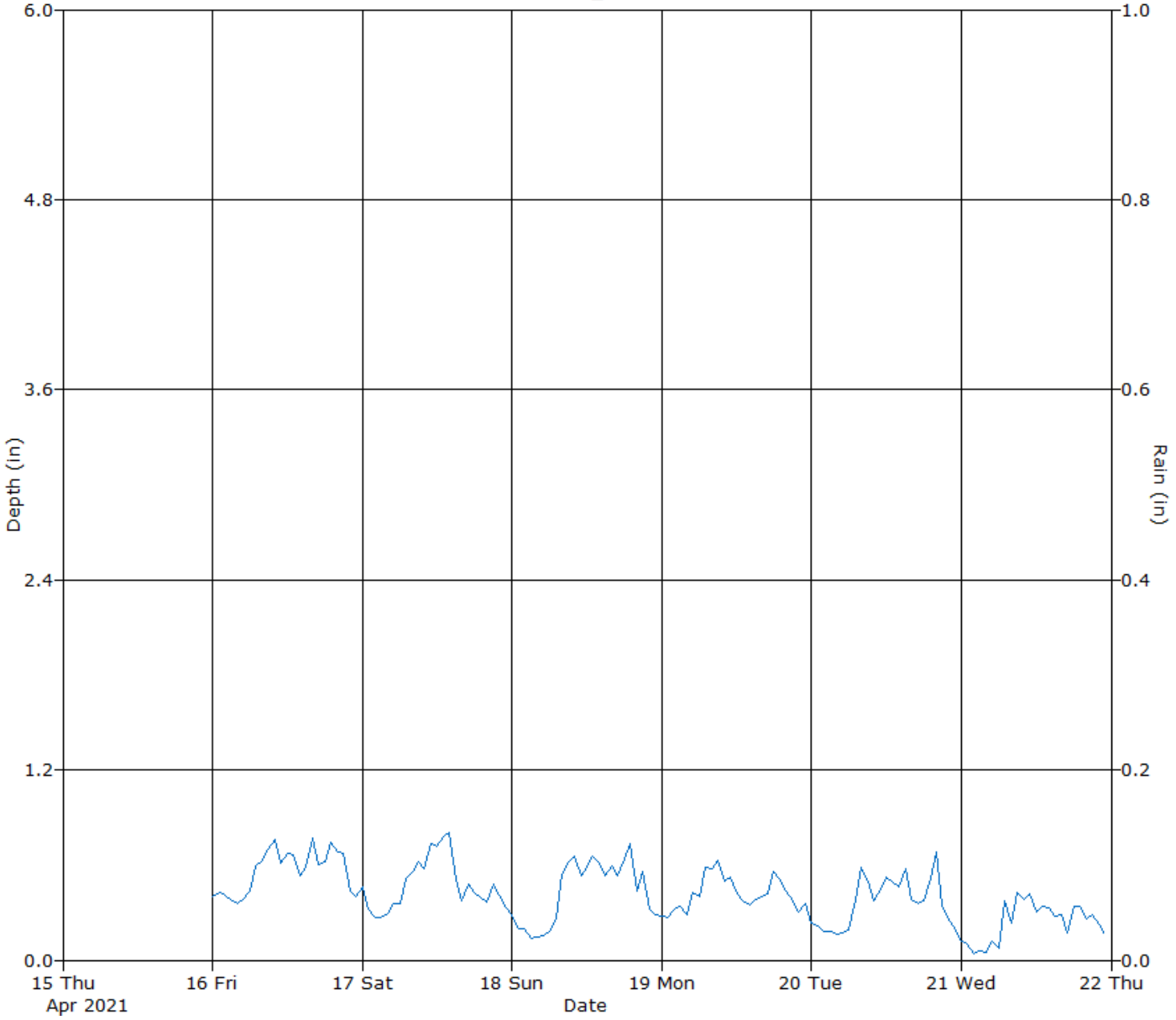


Report Period

4/15/2021
To
4/21/2021

Legend

Depth
Rain



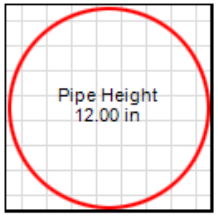
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

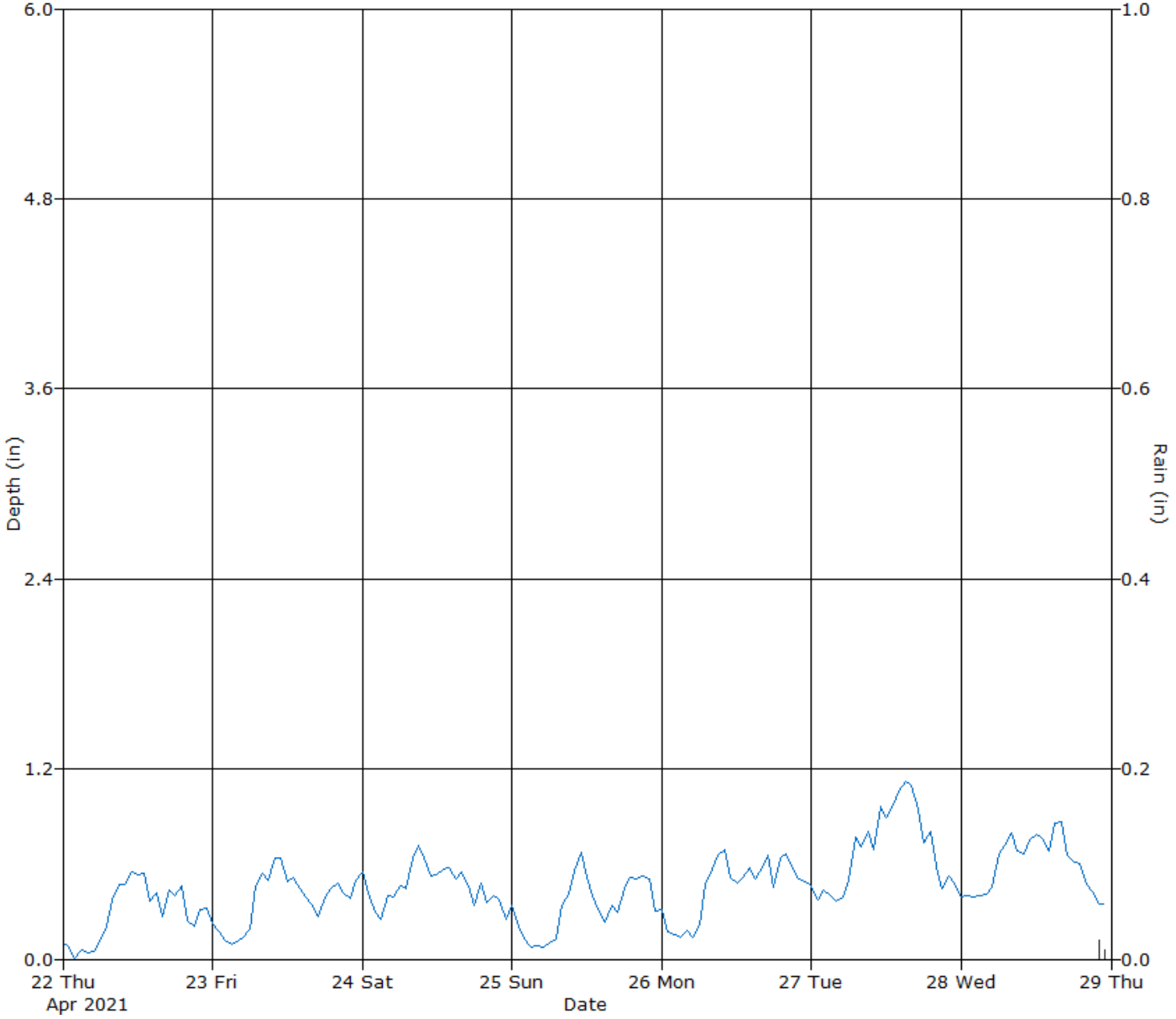


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Rain



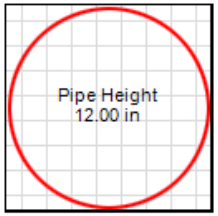
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

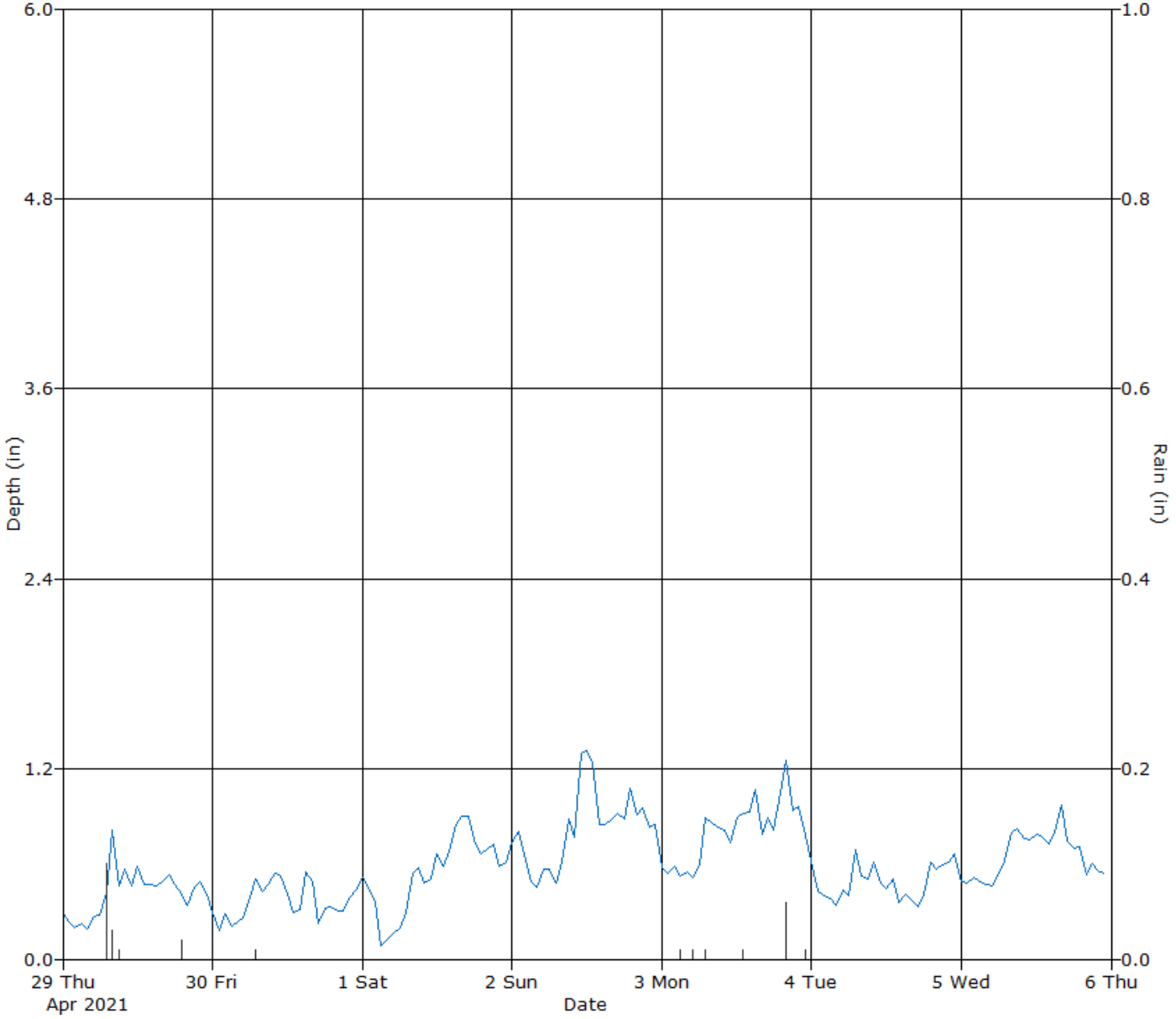


Report Period

4/29/2021
To
5/5/2021

Legend

Depth
Rain



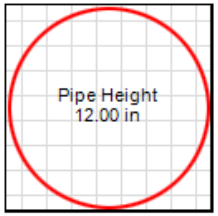
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

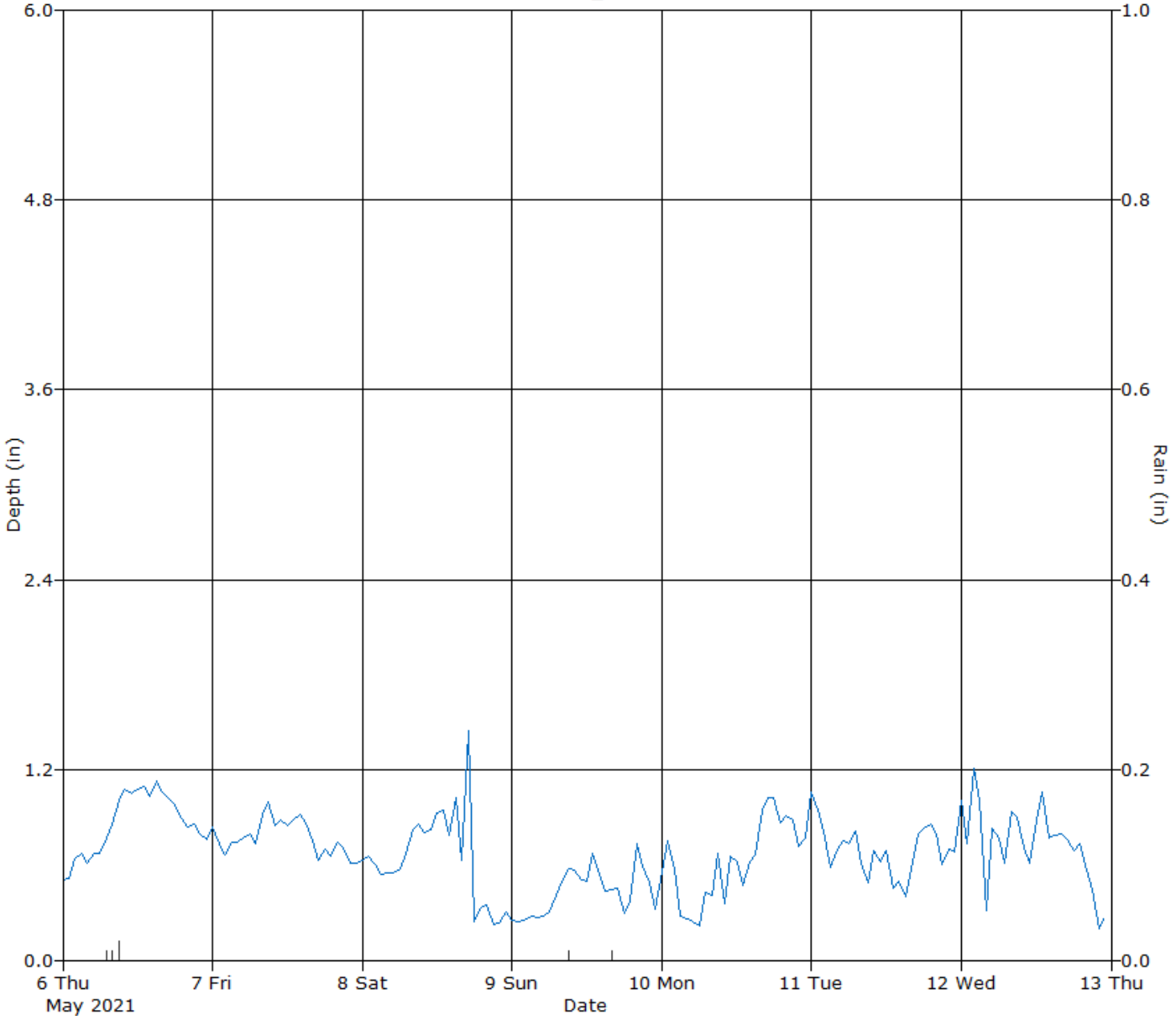


Report Period

5/6/2021
To
5/12/2021

Legend

Depth
Rain



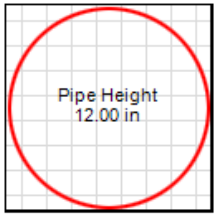
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

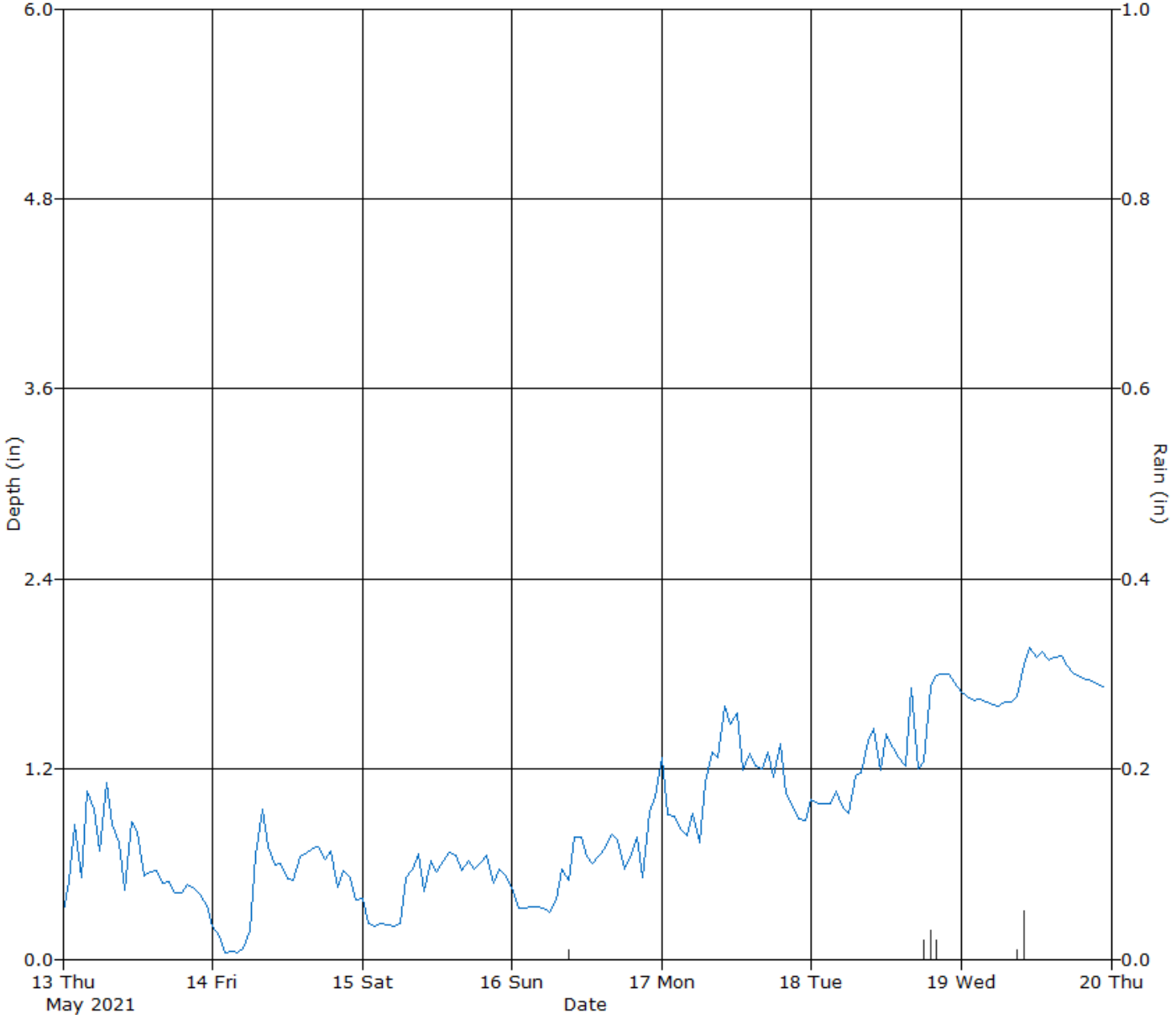


Report Period

5/13/2021
To
5/19/2021

Legend

Depth
Rain



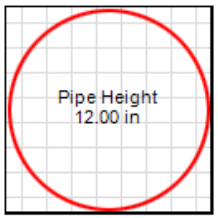
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

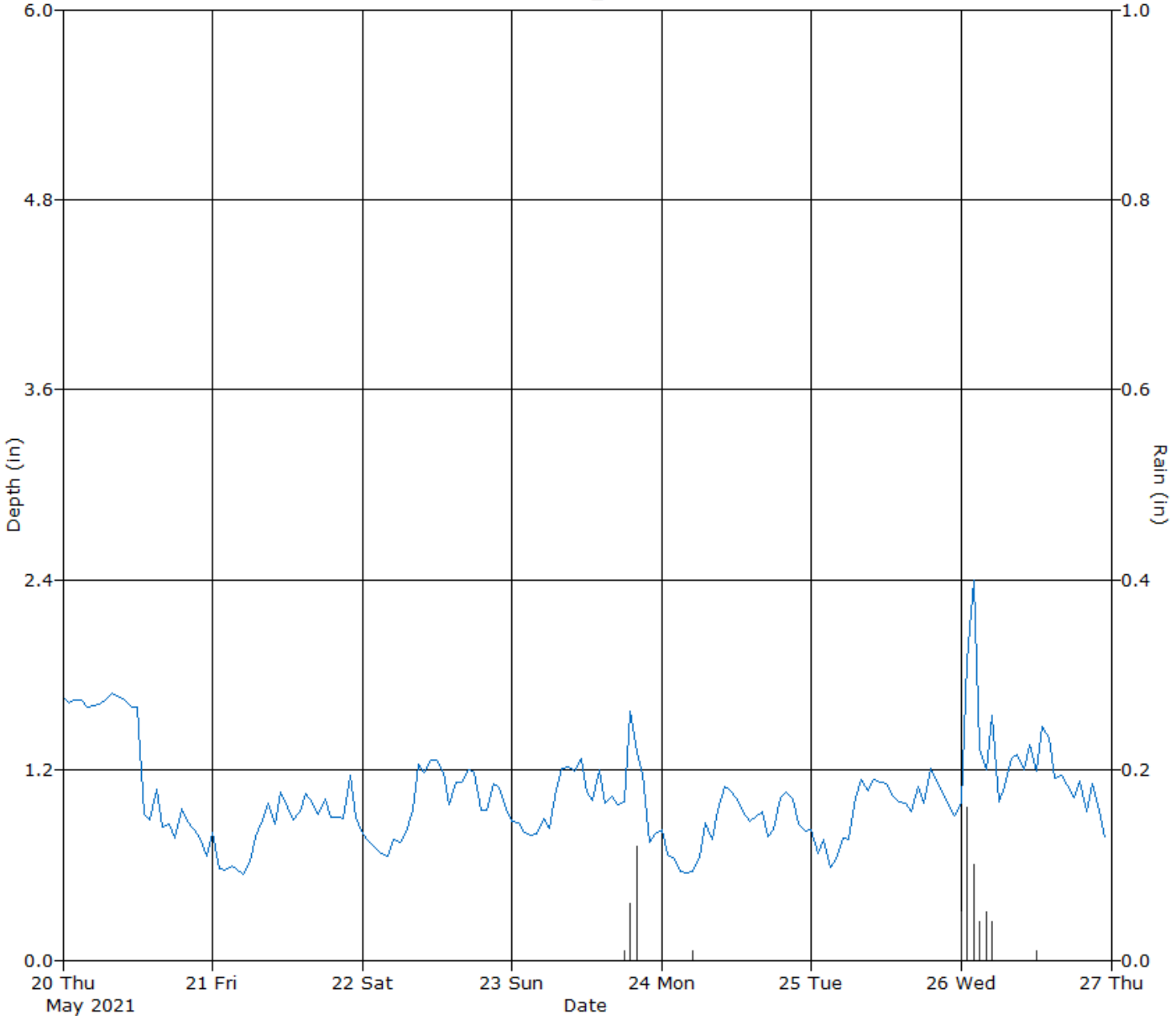


Report Period

5/20/2021
To
5/26/2021

Legend

Depth
Rain



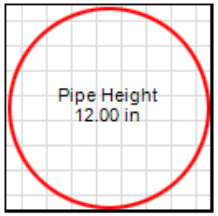
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

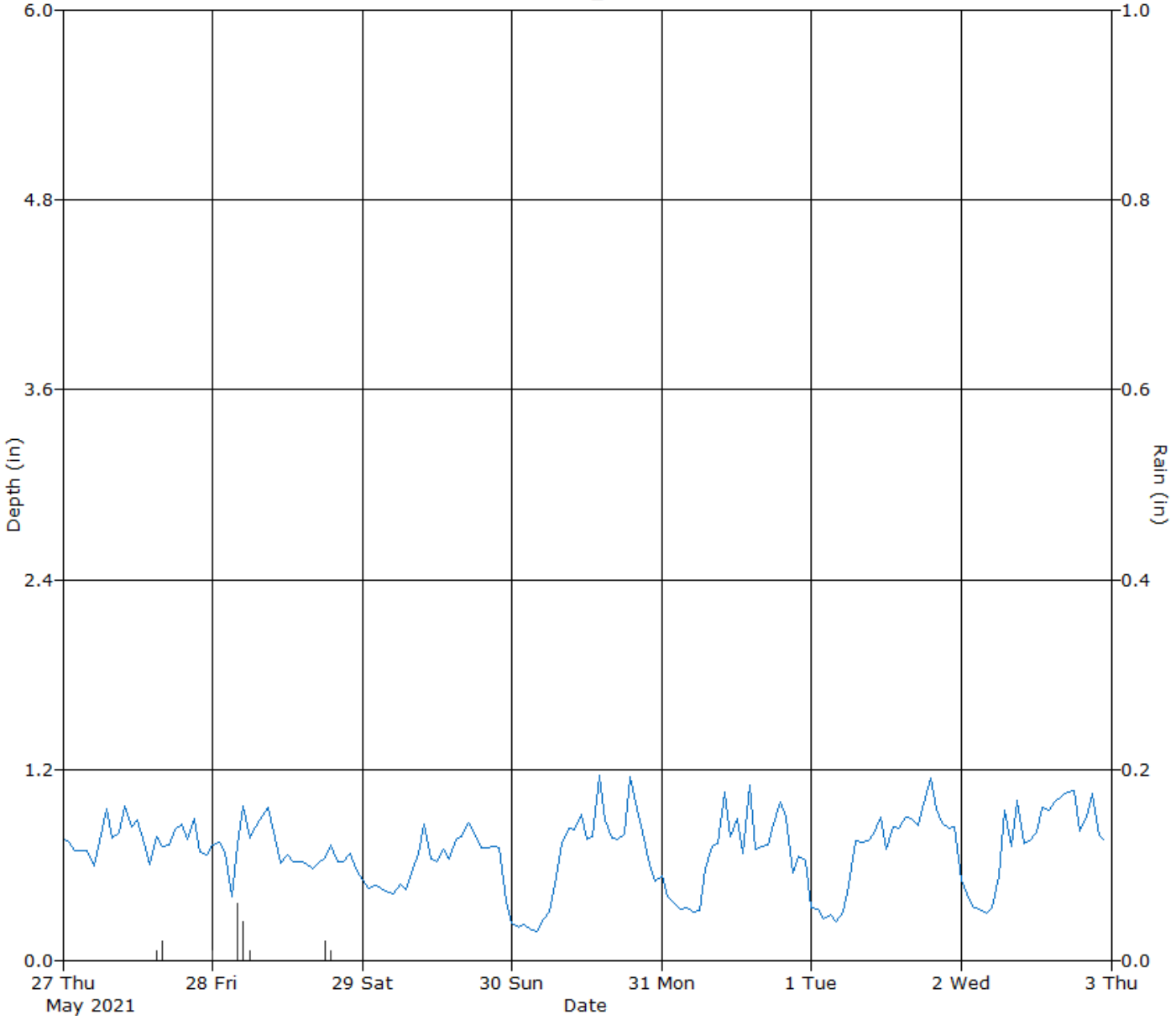


Report Period

5/27/2021
To
6/2/2021

Legend

Depth
Rain



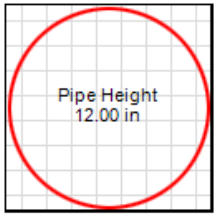
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

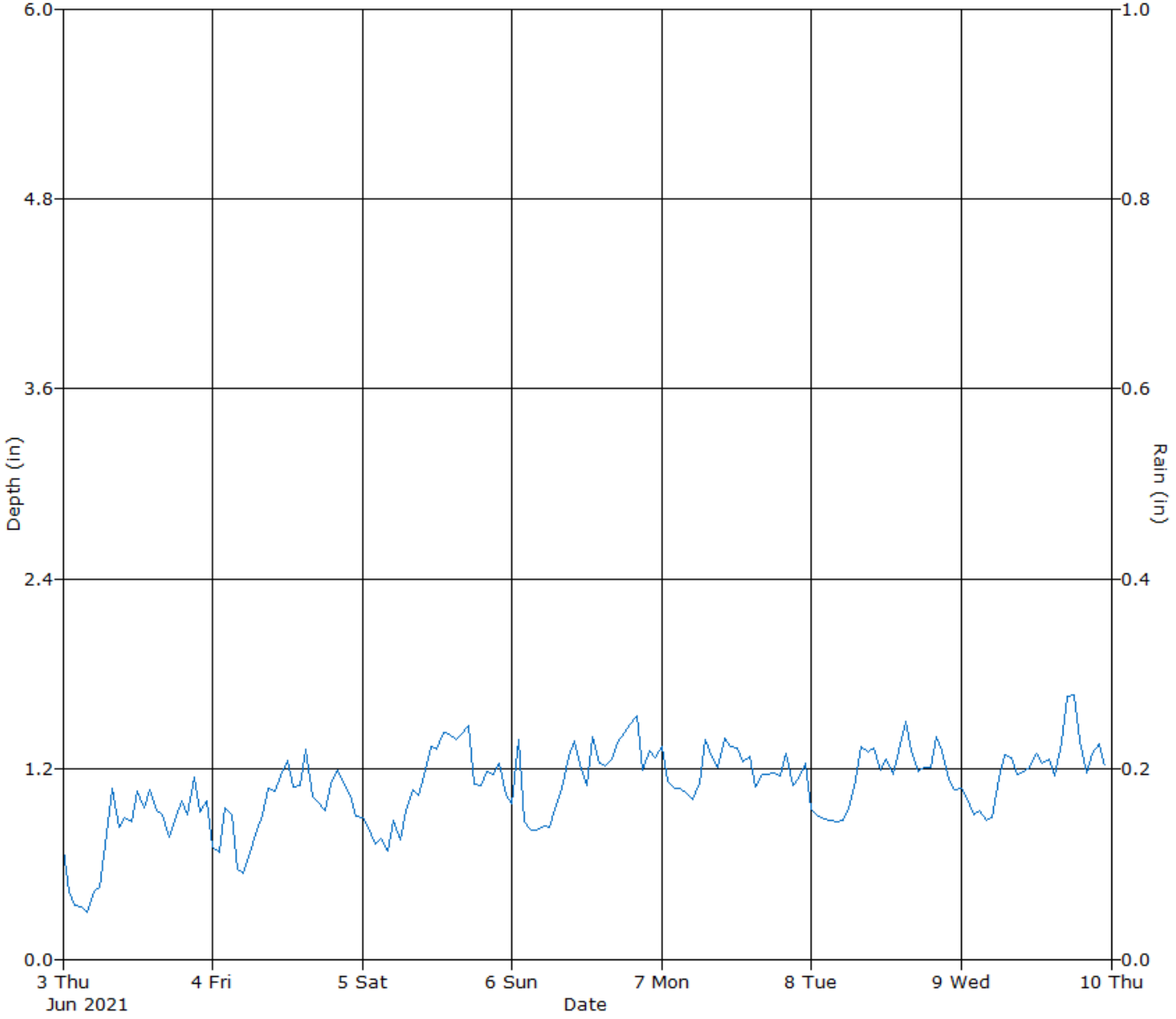


Report Period

6/3/2021
To
6/9/2021

Legend

Depth
Rain



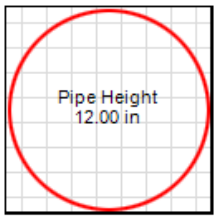
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

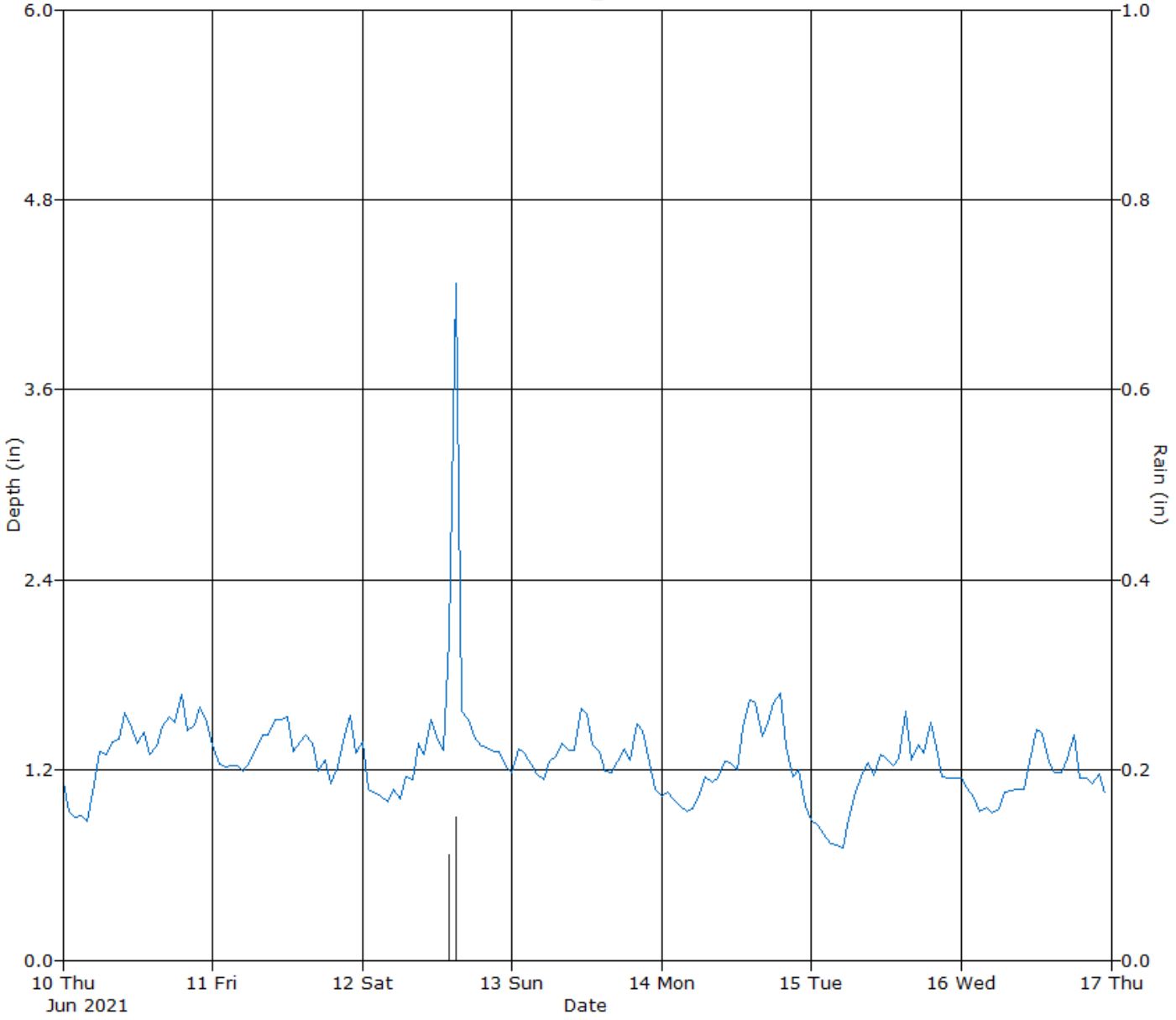


Report Period

6/10/2021
To
6/16/2021

Legend

Depth
Rain



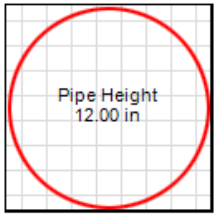
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

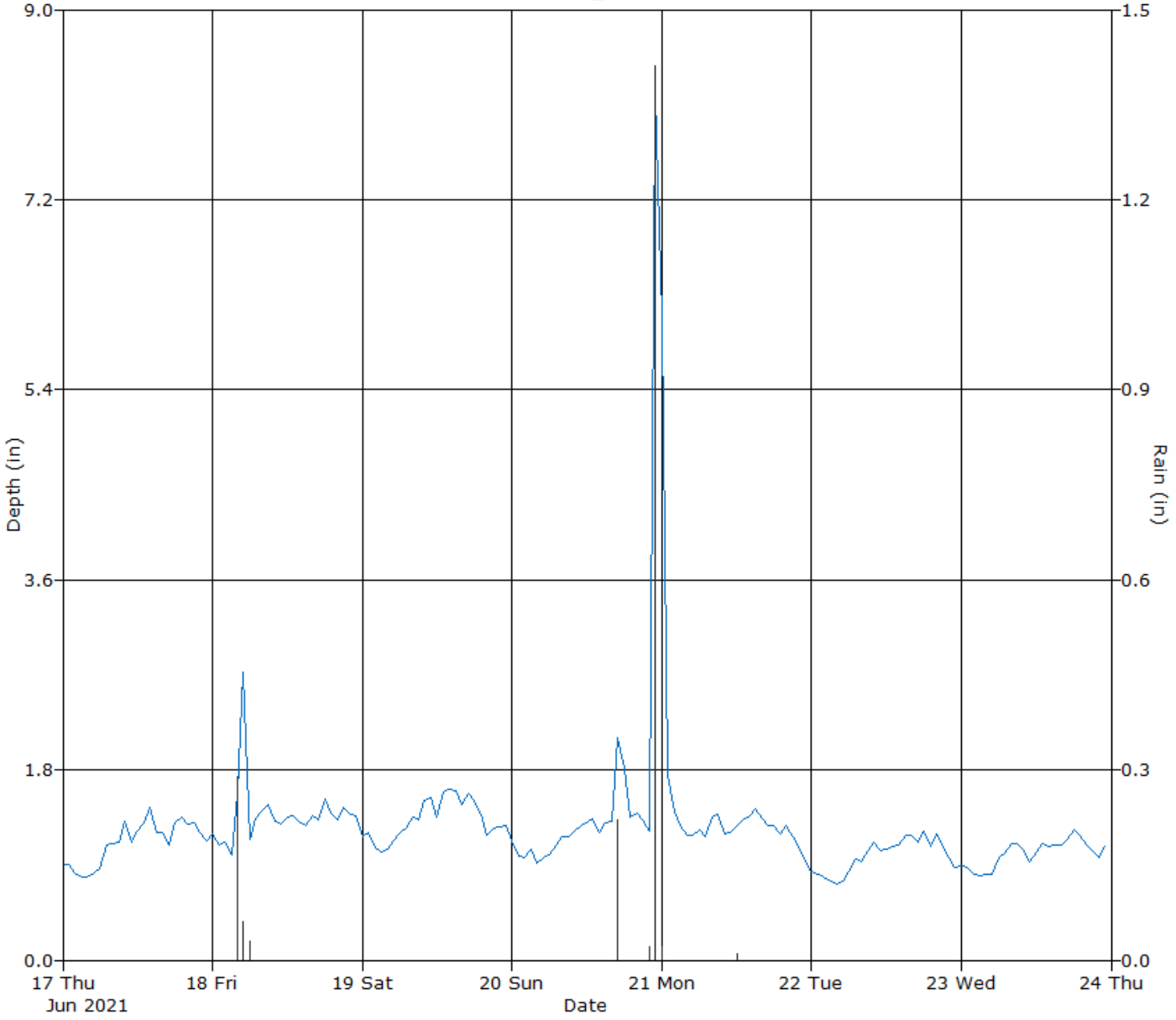


Report Period

6/17/2021
To
6/23/2021

Legend

Depth
Rain



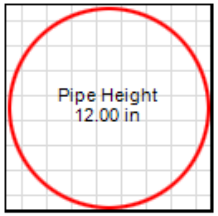
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

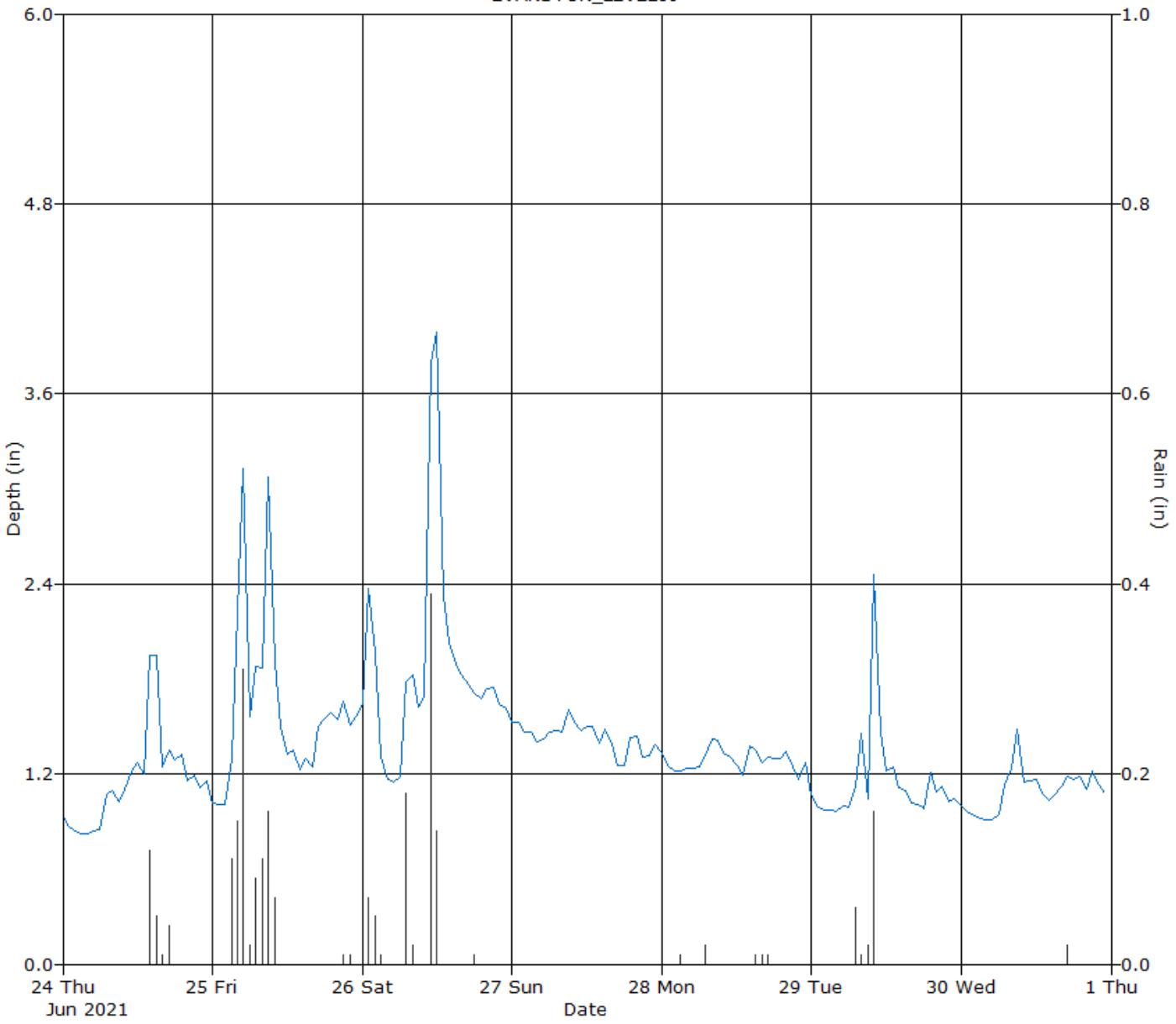


Report Period

6/24/2021
To
6/30/2021

Legend

Depth
Rain



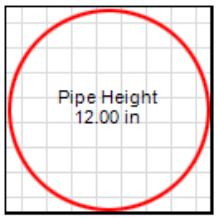
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

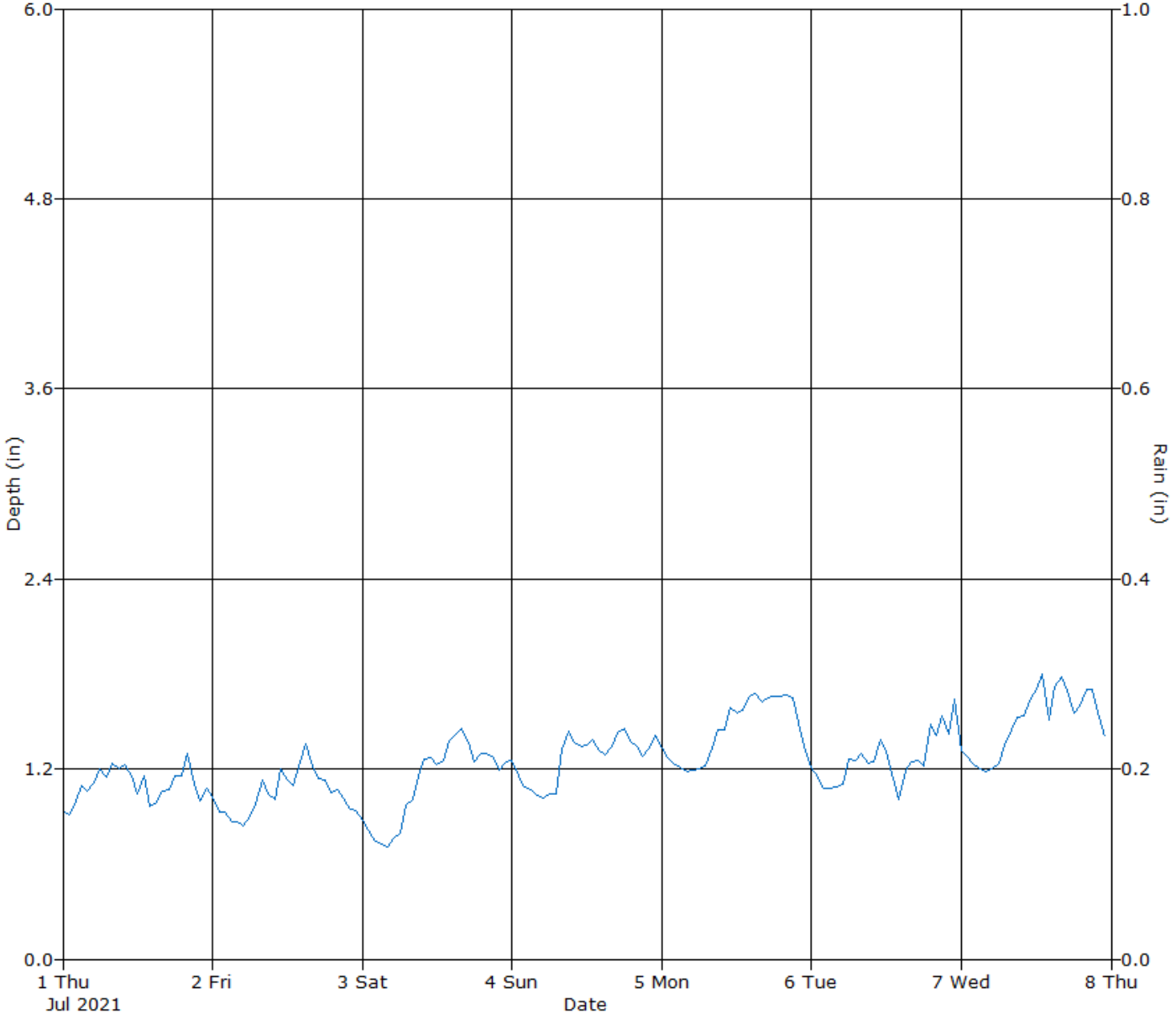


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Rain



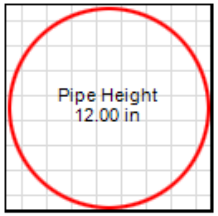
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

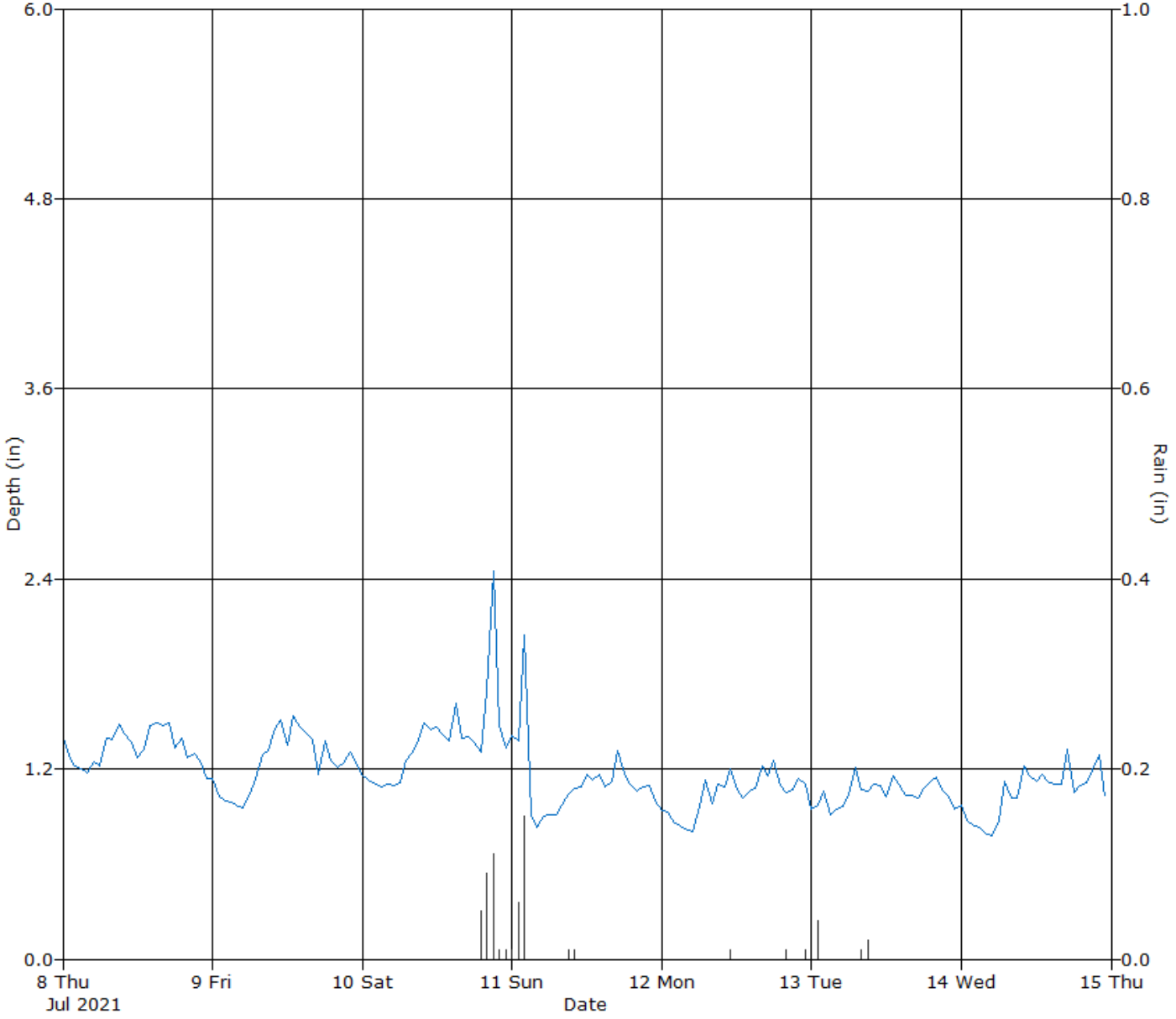


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Rain



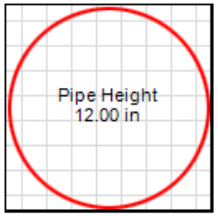
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

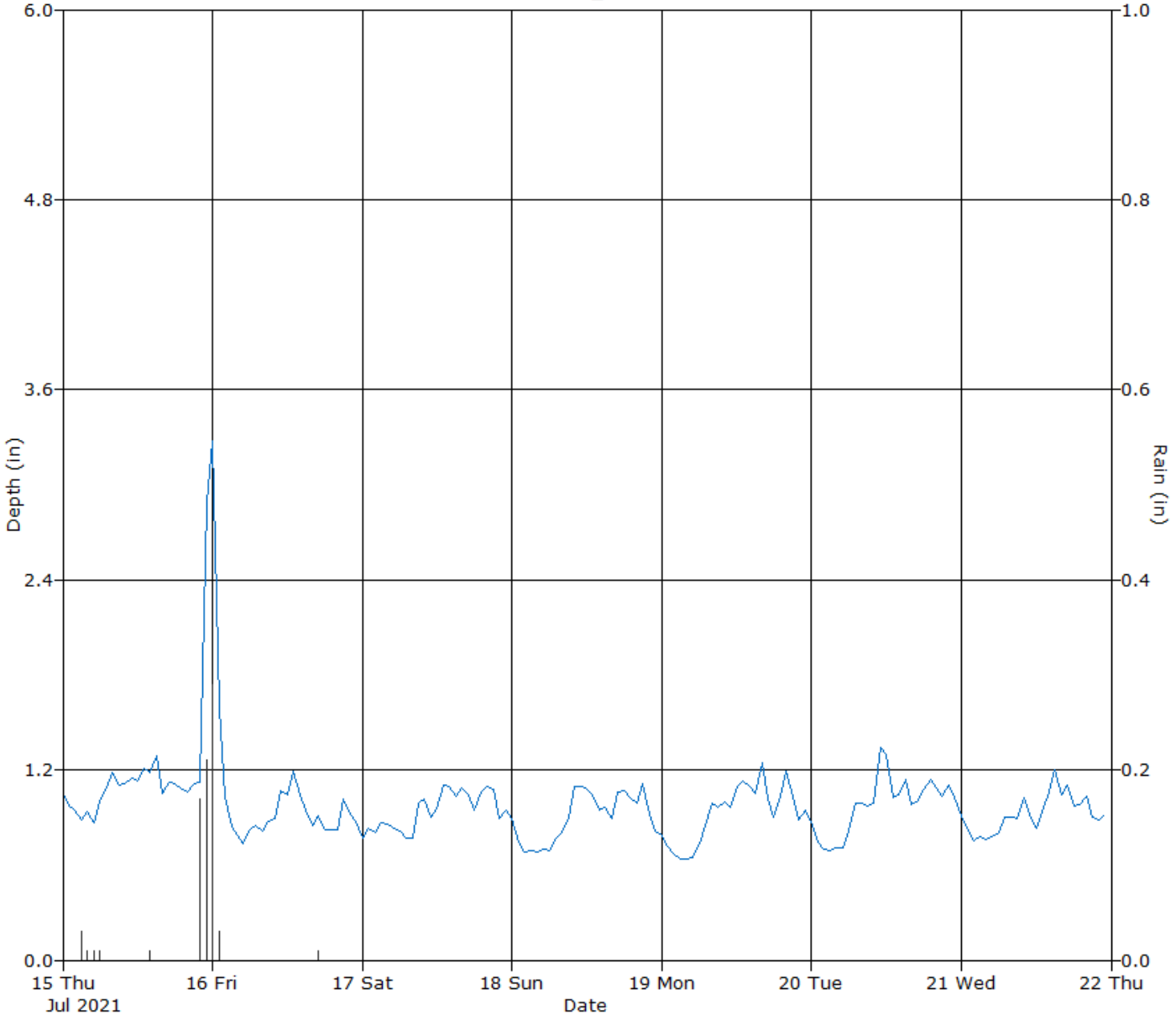


Report Period

7/15/2021
To
7/21/2021

Legend

Depth
Rain



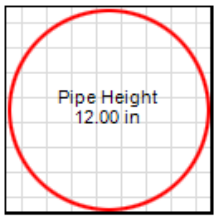
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

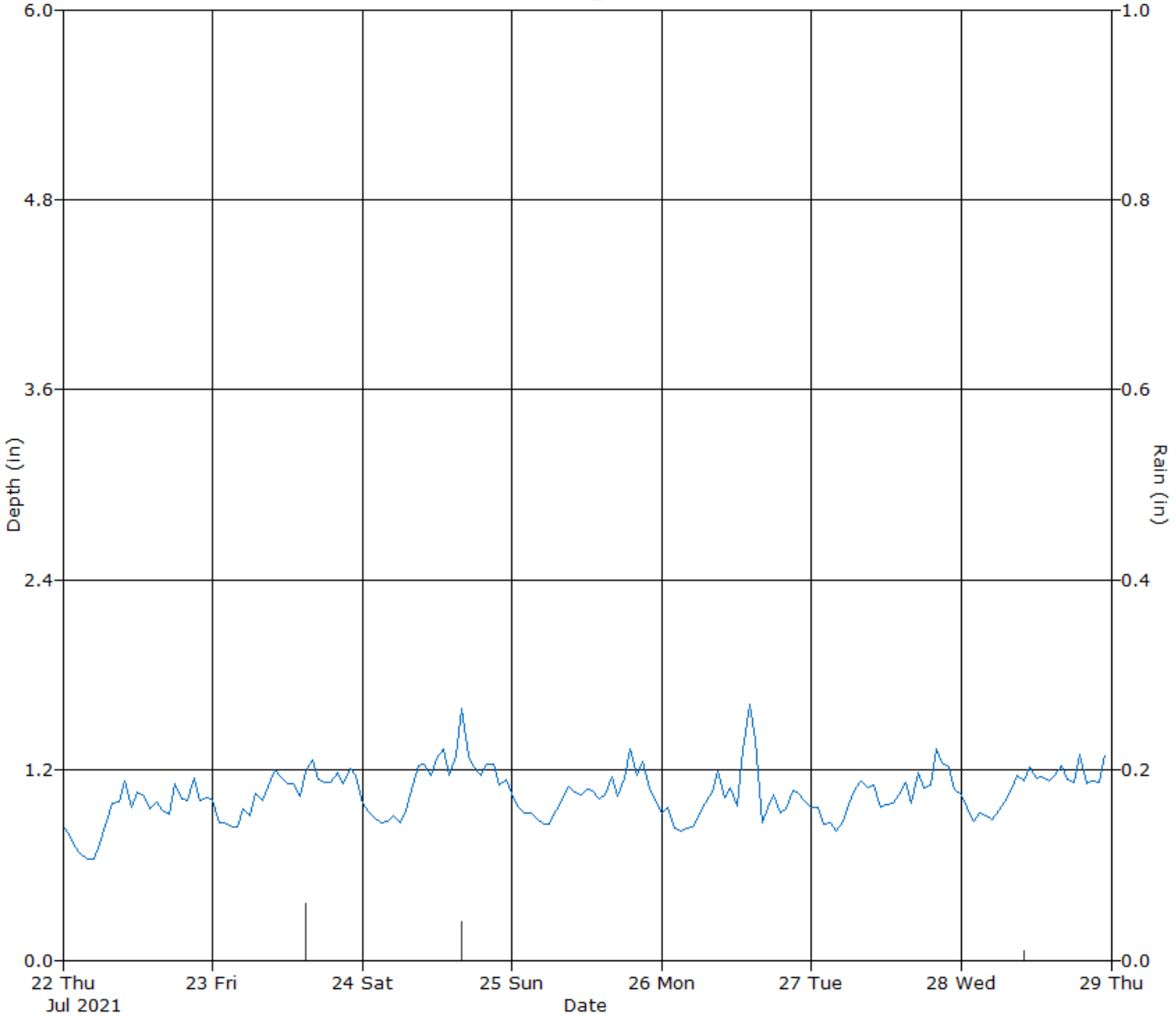


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Rain



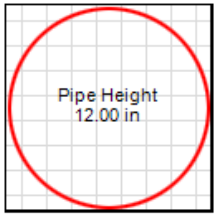
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

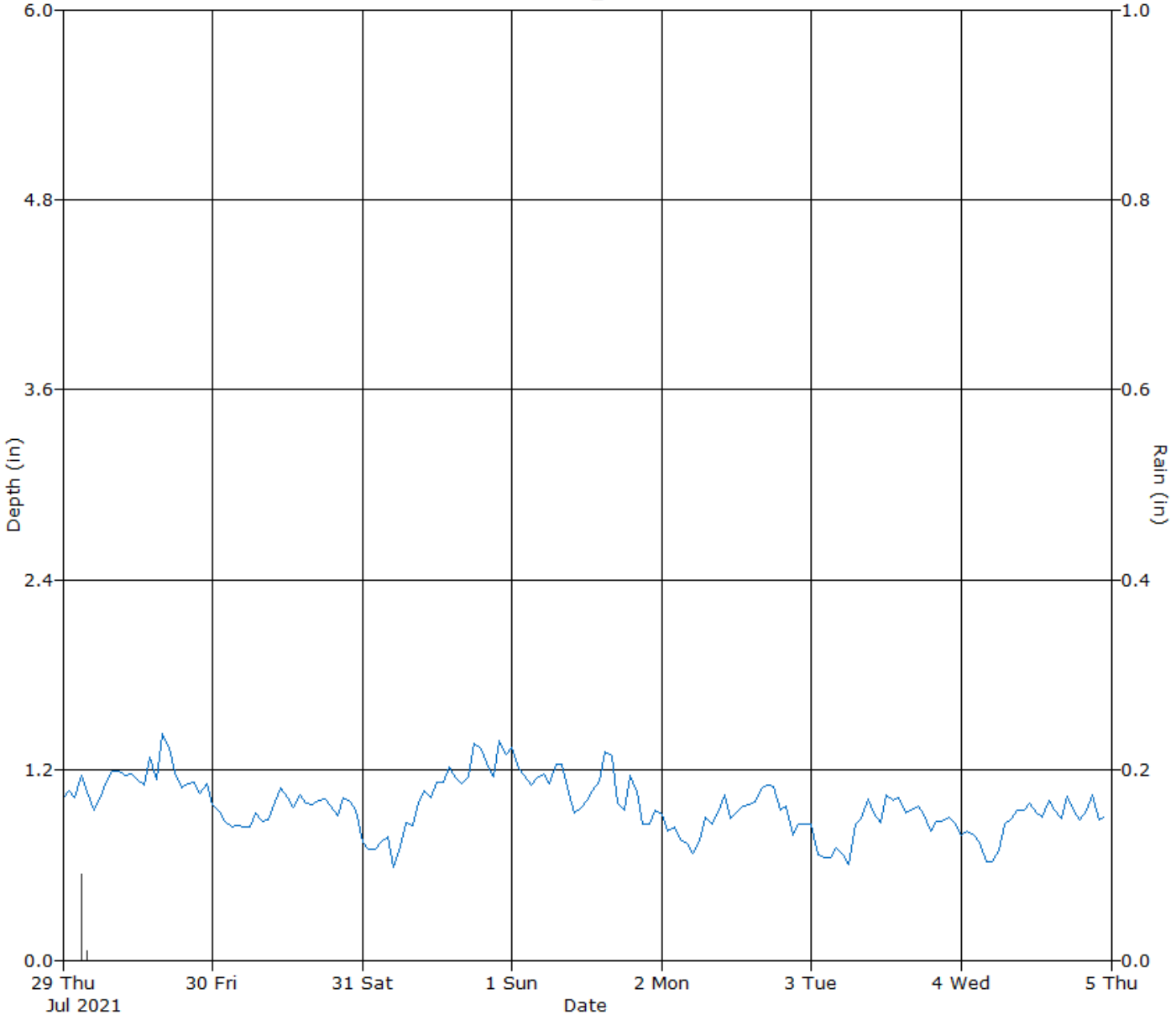


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Rain



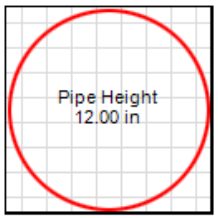
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

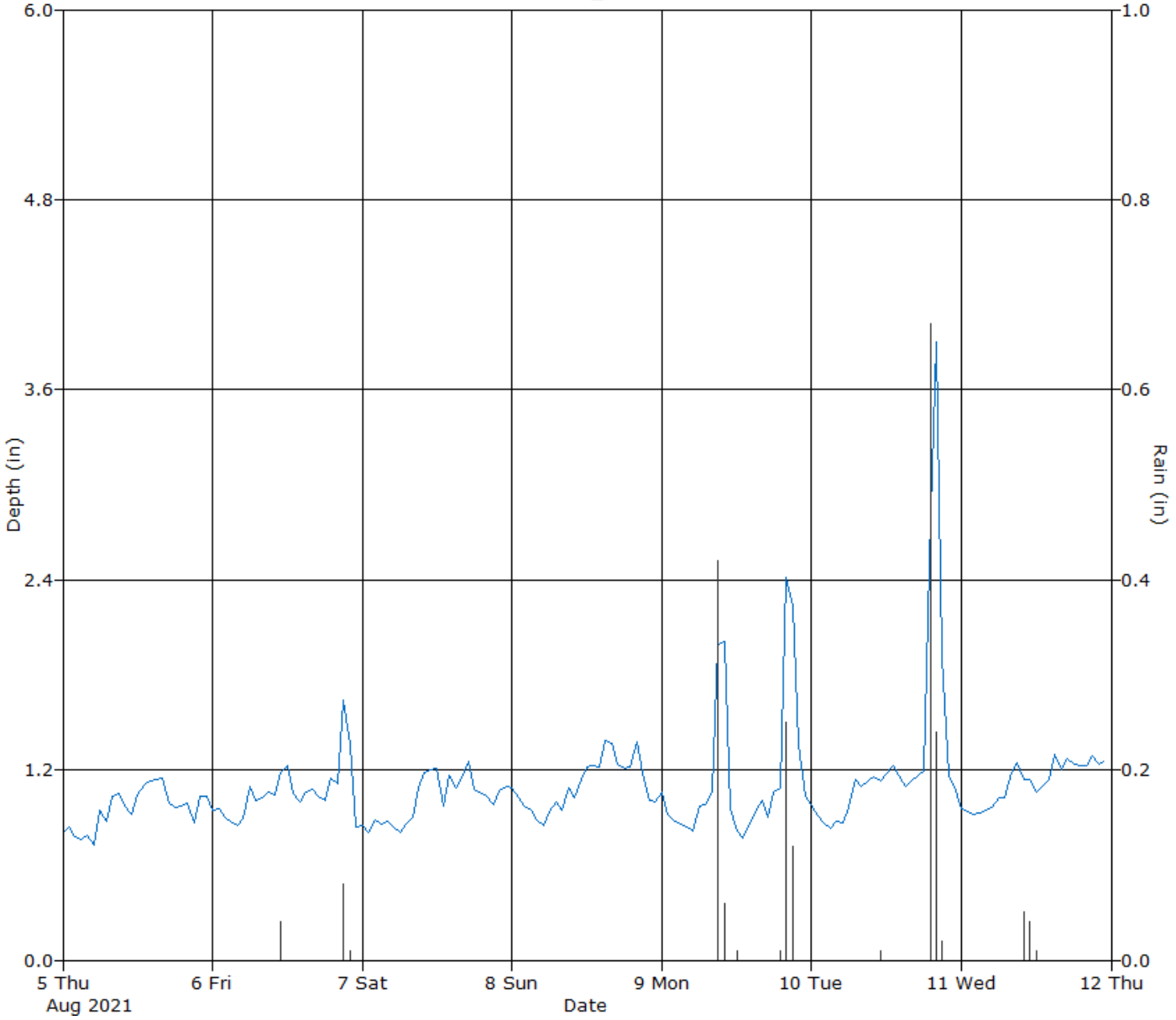


Report Period

8/5/2021
To
8/11/2021

Legend

Depth
Rain



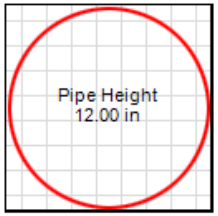
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

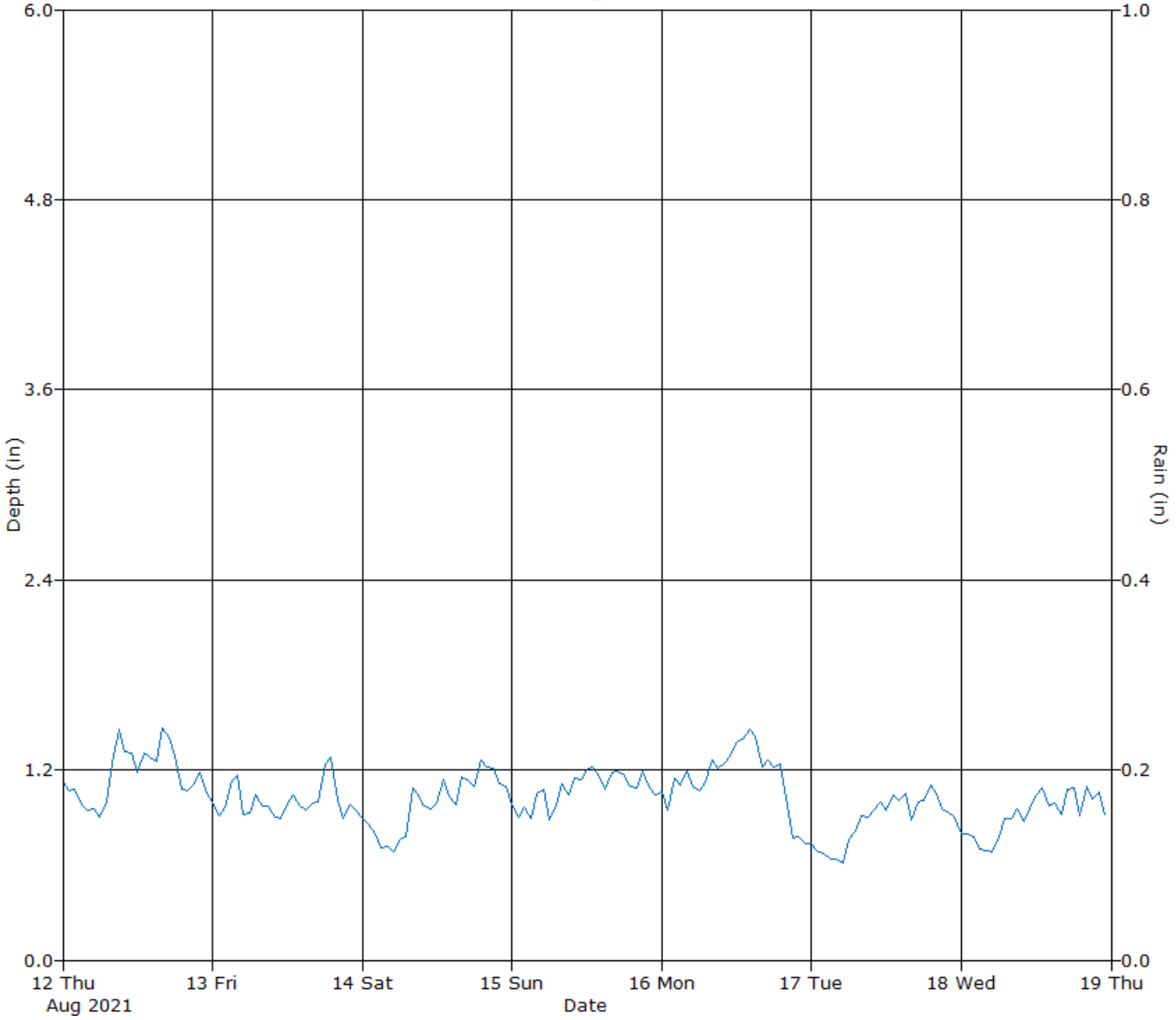


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Rain



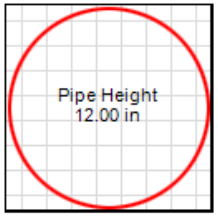
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

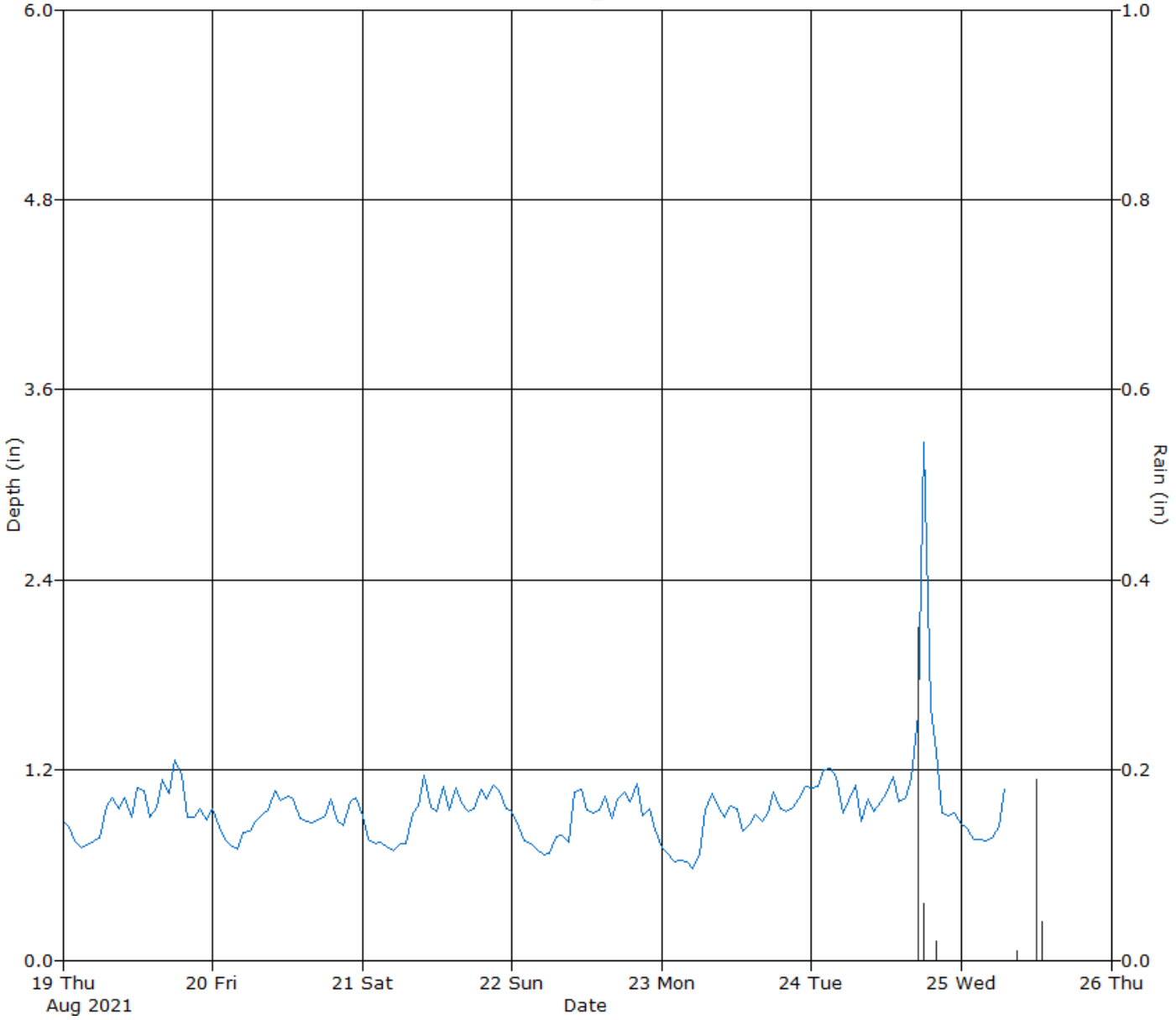


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Rain



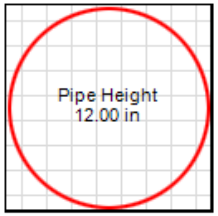
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_LEVEL09

Flow Monitor

EVANSTON_LEVEL09

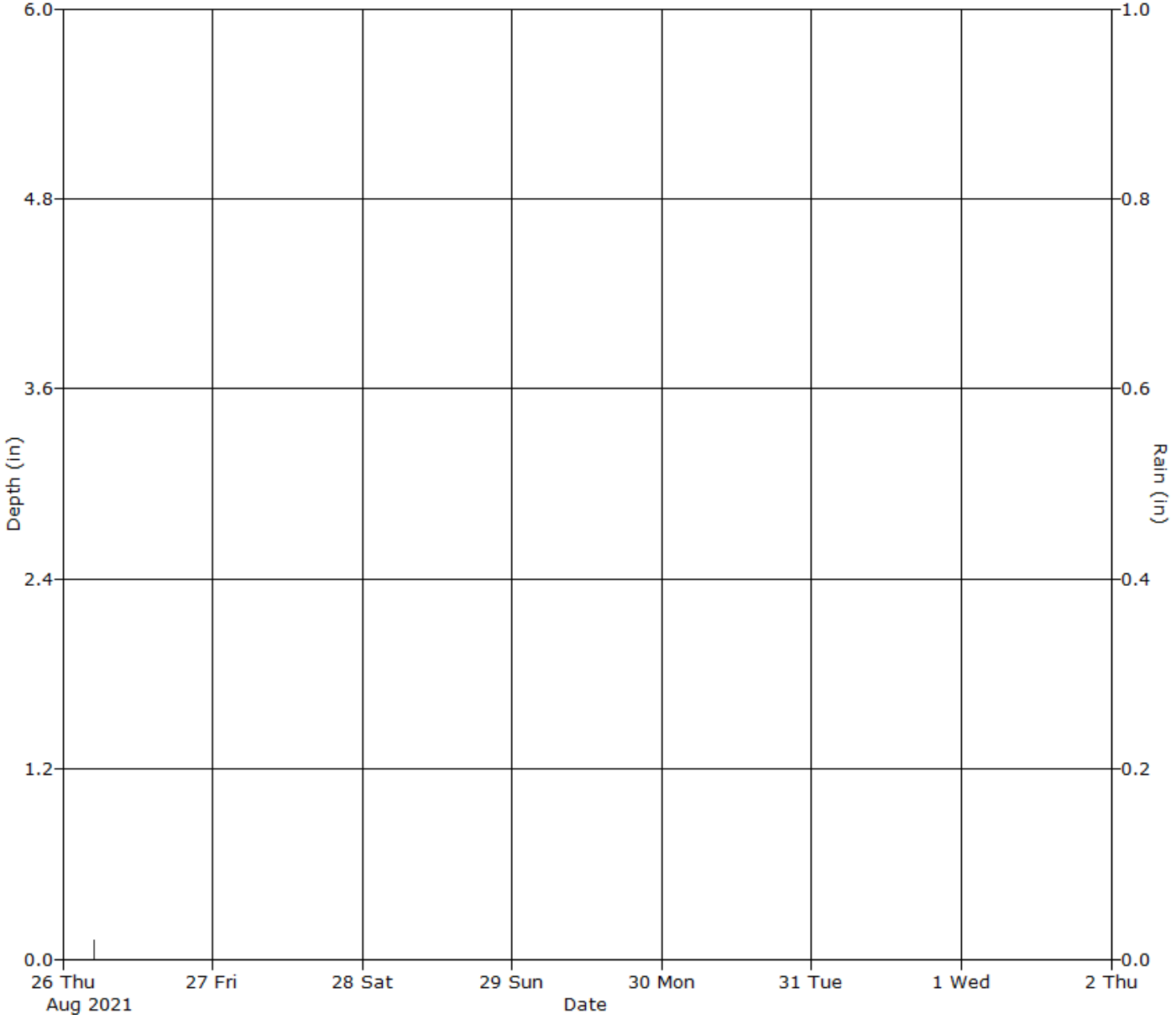


Report Period

8/26/2021
To
8/31/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_LEVEL09, Pipe Height: 12.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021	22:10	0.26	21:15	1.07	0.56												
04/17/2021	02:50	0.18	14:50	1.06	0.48												
04/18/2021	03:30	0.11	19:35	1.23	0.43												
04/19/2021	22:30	0.13	09:30	1.08	0.42												
04/20/2021	22:40	0.07	20:00	1.04	0.37												
04/21/2021	02:35	0.00	09:20	0.74	0.24												
04/22/2021	00:25	0.00	19:20	0.97	0.29												
04/23/2021	03:35	0.07	10:45	1.17	0.37												
04/24/2021	03:20	0.14	14:30	1.21	0.46												
04/25/2021	05:30	0.03	21:55	1.33	0.33												
04/26/2021	05:25	0.10	14:05	1.09	0.45												
04/27/2021	21:00	0.24	16:05	1.57	0.69												
04/28/2021	14:00	0.17	16:20	1.34	0.59												0.03
04/29/2021	19:10	0.13	18:15	1.03	0.42												0.16
04/30/2021	20:15	0.00	07:40	0.89	0.36												0.01
05/01/2021	03:45	0.07	15:45	1.37	0.54												
05/02/2021	05:55	0.01	13:15	2.18	0.83												
05/03/2021	00:40	0.47	20:25	1.75	0.80												0.11
05/04/2021	22:40	0.11	23:20	1.42	0.49												
05/05/2021	07:10	0.35	16:30	1.53	0.65												
05/06/2021	00:45	0.36	15:40	1.19	0.86												0.04
05/07/2021	07:20	0.16	08:40	1.14	0.78												
05/08/2021	18:15	0.11	13:45	1.89	0.65												
05/09/2021	20:10	0.04	20:45	1.41	0.43												0.02
05/10/2021	08:05	0.00	11:25	1.70	0.62												
05/11/2021	02:05	0.10	08:30	1.61	0.70												
05/12/2021	00:00	0.00	17:20	1.59	0.73												
05/13/2021	00:05	0.00	11:55	1.92	0.61												
05/14/2021	03:00	0.00	10:15	1.30	0.47												
05/15/2021	04:30	0.14	19:55	1.57	0.48												
05/16/2021	06:15	0.26	22:40	1.56	0.58												0.01

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	08:40	0.34	12:00	2.61	1.13												
05/18/2021	08:10	0.71	16:30	2.12	1.31												0.07
05/19/2021	07:15	1.56	10:30	2.15	1.76												0.06
05/20/2021	23:10	0.52	12:30	2.24	1.28												
05/21/2021	05:25	0.50	18:30	1.60	0.85												
05/22/2021	03:30	0.58	21:45	2.18	0.98												
05/23/2021	22:25	0.64	20:50	1.92	1.03												0.19
05/24/2021	03:55	0.52	21:45	1.47	0.84												0.01
05/25/2021	01:35	0.47	08:05	1.80	0.96												
05/26/2021	23:35	0.60	02:00	4.96	1.25												0.45
05/27/2021	23:05	0.29	10:40	1.53	0.77												0.03
05/28/2021	03:45	0.07	09:25	1.52	0.69												0.15
05/29/2021	23:45	0.28	10:30	1.43	0.61												
05/30/2021	04:15	0.13	14:15	1.67	0.64												
05/31/2021	02:40	0.18	14:30	1.86	0.66												
06/01/2021	04:20	0.21	19:40	1.53	0.70												
06/02/2021	05:20	0.25	18:25	1.77	0.75												
06/03/2021	04:15	0.26	08:45	1.87	0.79												
06/04/2021	04:15	0.28	11:05	1.91	0.96												
06/05/2021	03:15	0.64	17:10	1.92	1.10												
06/06/2021	05:30	0.76	17:55	1.87	1.18												
06/07/2021	05:55	0.86	23:00	2.01	1.20												
06/08/2021	05:55	0.81	15:05	1.99	1.15												
06/09/2021	05:00	0.83	17:30	1.96	1.21												
06/10/2021	04:00	0.82	19:45	2.21	1.33												
06/11/2021	17:20	0.96	12:20	2.23	1.33												
06/12/2021	07:00	0.96	15:05	6.46	1.42												0.26
06/13/2021	04:40	0.98	20:40	1.94	1.30												
06/14/2021	06:00	0.80	19:45	2.36	1.24												
06/15/2021	05:25	0.68	19:40	1.98	1.13												
06/16/2021	02:35	0.53	18:50	1.82	1.14												
06/17/2021	06:20	0.71	14:55	2.40	1.11												
06/18/2021	04:15	0.91	05:00	5.59	1.38												0.38
06/19/2021	02:35	0.94	13:55	1.95	1.33												
06/20/2021	02:05	0.86	23:50	11.17	1.53												1.65
06/21/2021	23:25	0.84	00:00	10.32	1.47												0.03
06/22/2021	04:45	0.69	20:05	1.81	0.99												
06/23/2021	06:00	0.69	18:25	1.57	1.01												
06/24/2021	03:00	0.73	14:25	3.51	1.15												0.22
06/25/2021	03:35	0.85	05:05	5.64	1.62												1.04
06/26/2021	04:50	1.05	11:40	6.25	1.89												0.87
06/27/2021	14:50	1.11	12:10	1.83	1.44												
06/28/2021	13:55	1.02	00:25	1.82	1.29												0.06
06/29/2021	17:50	0.92	10:30	3.30	1.15												0.25
06/30/2021	01:50	0.84	09:20	2.77	1.09												0.02
07/01/2021	00:05	0.77	08:05	1.57	1.10												
07/02/2021	05:55	0.78	11:25	1.68	1.04												
07/03/2021	04:10	0.66	14:35	1.89	1.11												
07/04/2021	05:00	0.96	23:40	1.83	1.27												
07/05/2021	06:35	1.13	19:40	2.05	1.45												
07/06/2021	14:30	0.84	19:30	1.80	1.26												
07/07/2021	03:10	1.13	19:15	2.21	1.49												
07/08/2021	23:45	1.09	07:45	1.81	1.33												
07/09/2021	05:20	0.92	10:20	1.97	1.24												
07/10/2021	03:40	1.01	21:15	3.22	1.37												0.27

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	04:25	0.77	02:15	3.11	1.12												0.24
07/12/2021	03:45	0.74	16:55	1.76	1.04												0.03
07/13/2021	00:55	0.80	07:15	1.58	1.05												0.07
07/14/2021	04:20	0.75	22:15	1.73	1.05												
07/15/2021	05:00	0.77	23:55	4.38	1.15												0.45
07/16/2021	07:10	0.69	00:00	4.32	1.04												0.33
07/17/2021	09:25	0.64	14:10	1.49	0.94												
07/18/2021	03:10	0.59	17:55	1.53	0.90												
07/19/2021	05:50	0.57	20:50	1.78	0.93												
07/20/2021	05:50	0.63	11:35	2.16	0.98												
07/21/2021	04:00	0.69	15:10	1.74	0.92												
07/22/2021	05:55	0.53	21:45	1.68	0.93												
07/23/2021	03:35	0.79	22:00	1.65	1.06												0.06
07/24/2021	06:45	0.83	16:55	1.91	1.13												0.04
07/25/2021	14:45	0.78	21:05	1.71	1.04												
07/26/2021	03:30	0.72	15:20	2.25	1.03												
07/27/2021	16:30	0.65	20:55	1.79	1.04												
07/28/2021	05:40	0.74	23:20	1.89	1.09												0.01
07/29/2021	02:50	0.83	16:50	2.19	1.14												0.10
07/30/2021	08:50	0.69	18:00	1.75	0.95												
07/31/2021	02:45	0.15	22:15	1.76	1.02												
08/01/2021	03:00	0.73	19:35	1.66	1.10												
08/02/2021	21:45	0.61	18:10	1.59	0.90												
08/03/2021	06:20	0.47	12:15	1.75	0.85												
08/04/2021	04:15	0.42	21:10	1.54	0.88												
08/05/2021	05:10	0.66	15:25	1.85	0.95												
08/06/2021	02:10	0.63	21:40	2.60	1.06												0.13
08/07/2021	06:25	0.76	17:00	1.57	1.01												
08/08/2021	18:35	0.76	20:10	1.88	1.11												
08/09/2021	13:50	0.71	09:50	5.24	1.16												0.87
08/10/2021	03:30	0.71	20:05	5.48	1.29												0.94
08/11/2021	02:45	0.87	23:15	1.58	1.12												0.10
08/12/2021	05:05	0.85	16:55	2.29	1.17												
08/13/2021	17:45	0.74	17:00	1.58	1.00												
08/14/2021	05:05	0.56	16:20	1.58	0.99												
08/15/2021	01:20	0.54	17:55	1.54	1.08												
08/16/2021	01:30	0.64	19:50	1.92	1.15												
08/17/2021	05:15	0.56	19:30	1.41	0.88												
08/18/2021	06:20	0.65	15:25	1.43	0.91												
08/19/2021	06:15	0.67	13:40	1.57	0.94												
08/20/2021	03:10	0.65	10:35	1.46	0.90												
08/21/2021	05:15	0.65	10:20	1.61	0.93												
08/22/2021	09:55	0.58	17:15	1.56	0.89												
08/23/2021	05:30	0.54	18:20	1.91	0.86												
08/24/2021	14:40	0.68	17:55	5.54	1.19												0.43
08/25/2021	04:25	0.66	07:15	1.28	0.82												0.24
08/26/2021																	0.02
08/27/2021																	
08/28/2021																	
08/29/2021																	
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Rain (in)
Total		11.39
Avg	0.96	

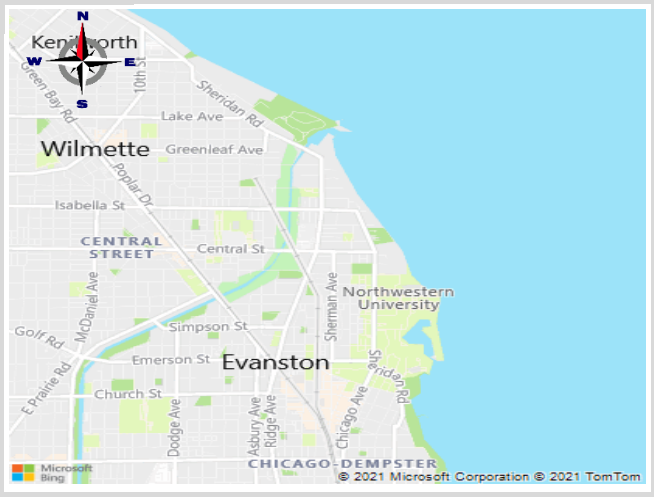
Evanston, IL

Flow Monitoring Site Report

SITE NAME

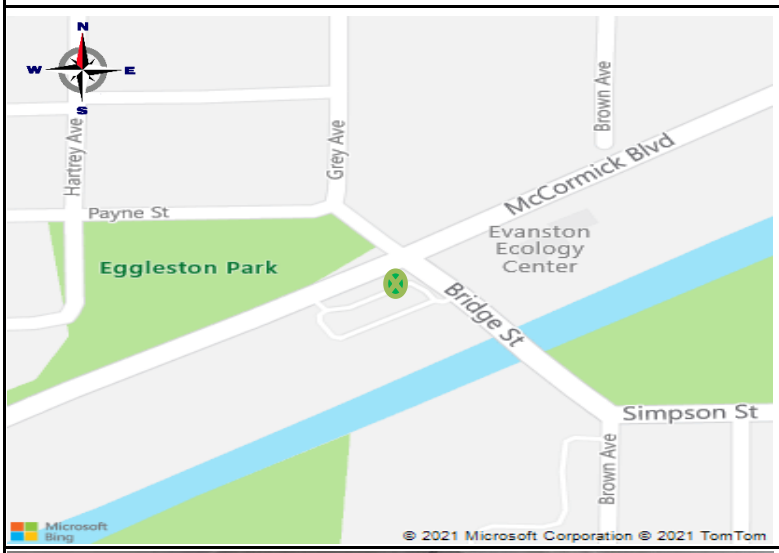
S0600110

Site Address /Location:	Southwest of Bridge St. and McCormick Blvd			Monitor Series	Location Type
				TRITON+	Temporary
Site Access Details:	park in handicap spot by manhole	Latitude:	42.056368	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.701638	48 x 48	Circular



Manhole #	System Characteristics
S06_00110	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Tuesday, March 30, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
8:50:00 AM	48 x 48
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.50	44.75
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.5	0.50"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.21	0
Silt (in)	Silt Type
0	

Hydraulic Comments:
Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
16.6	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75"	48"
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
Yes, Outside	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

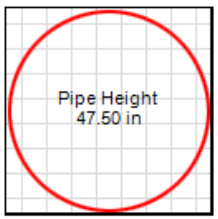
Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

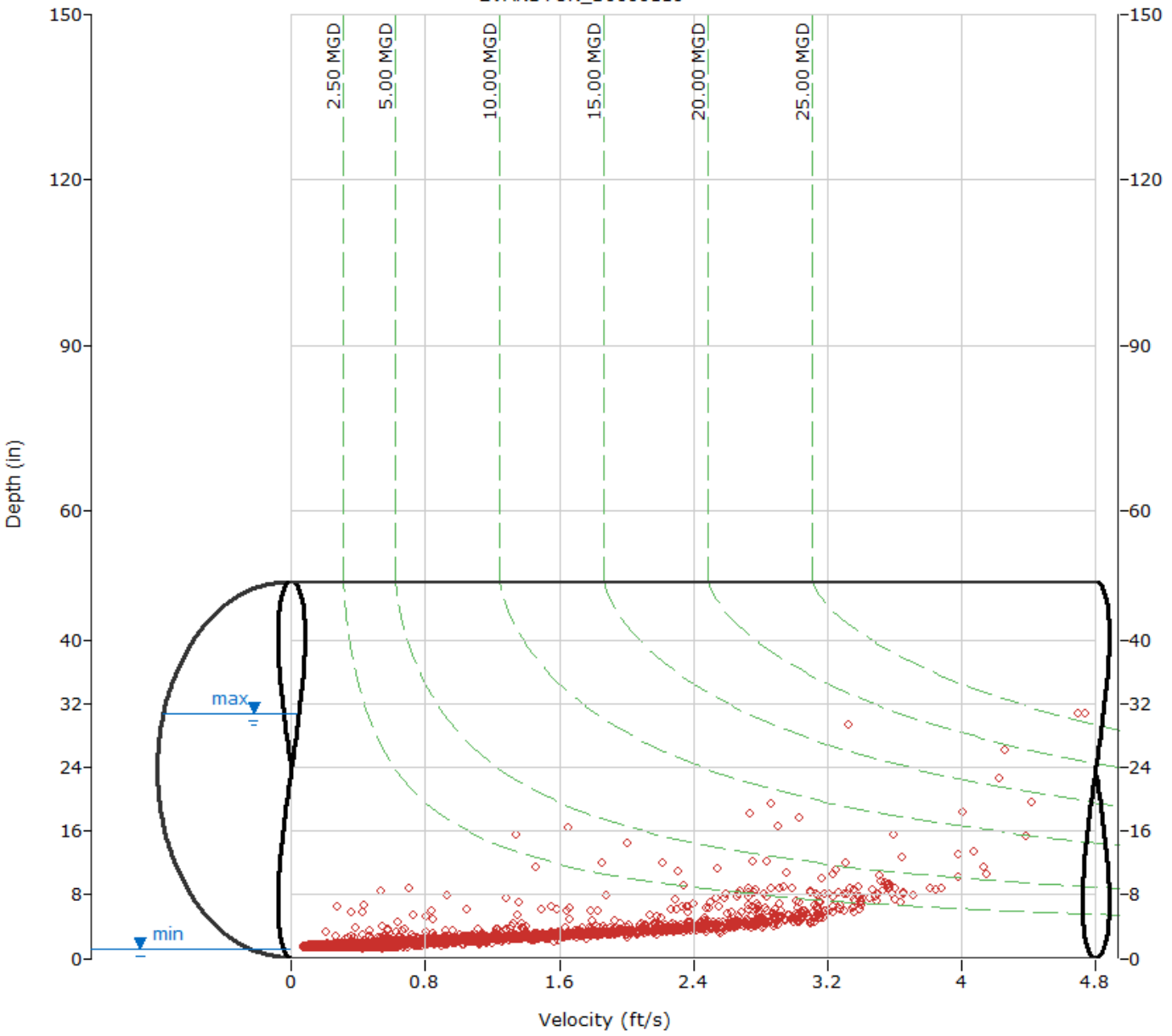


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



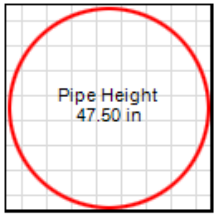
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

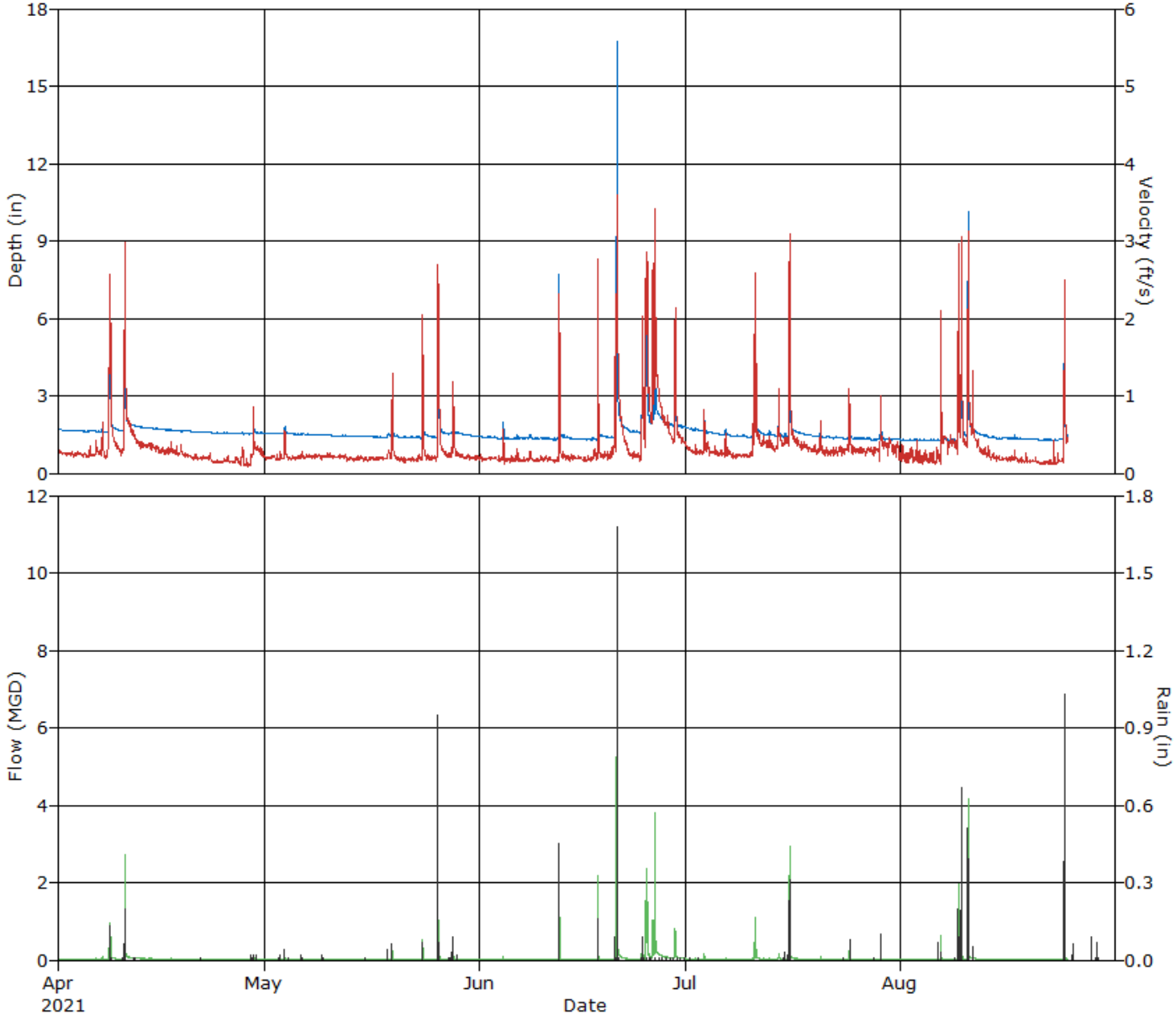


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



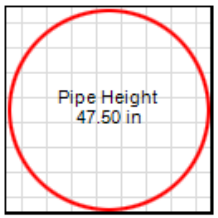
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

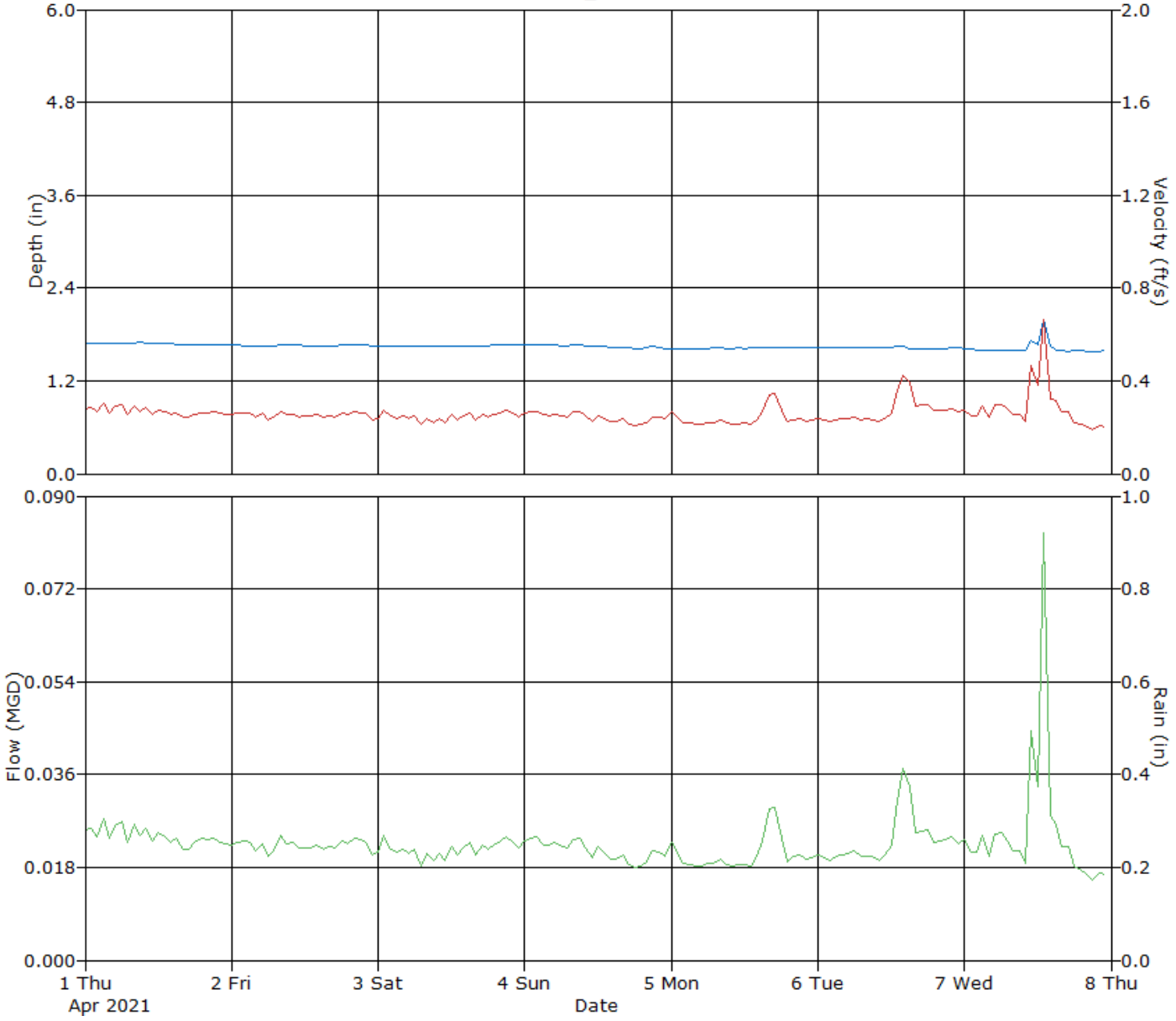


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



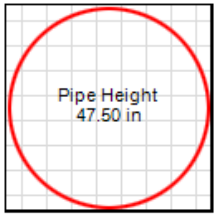
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

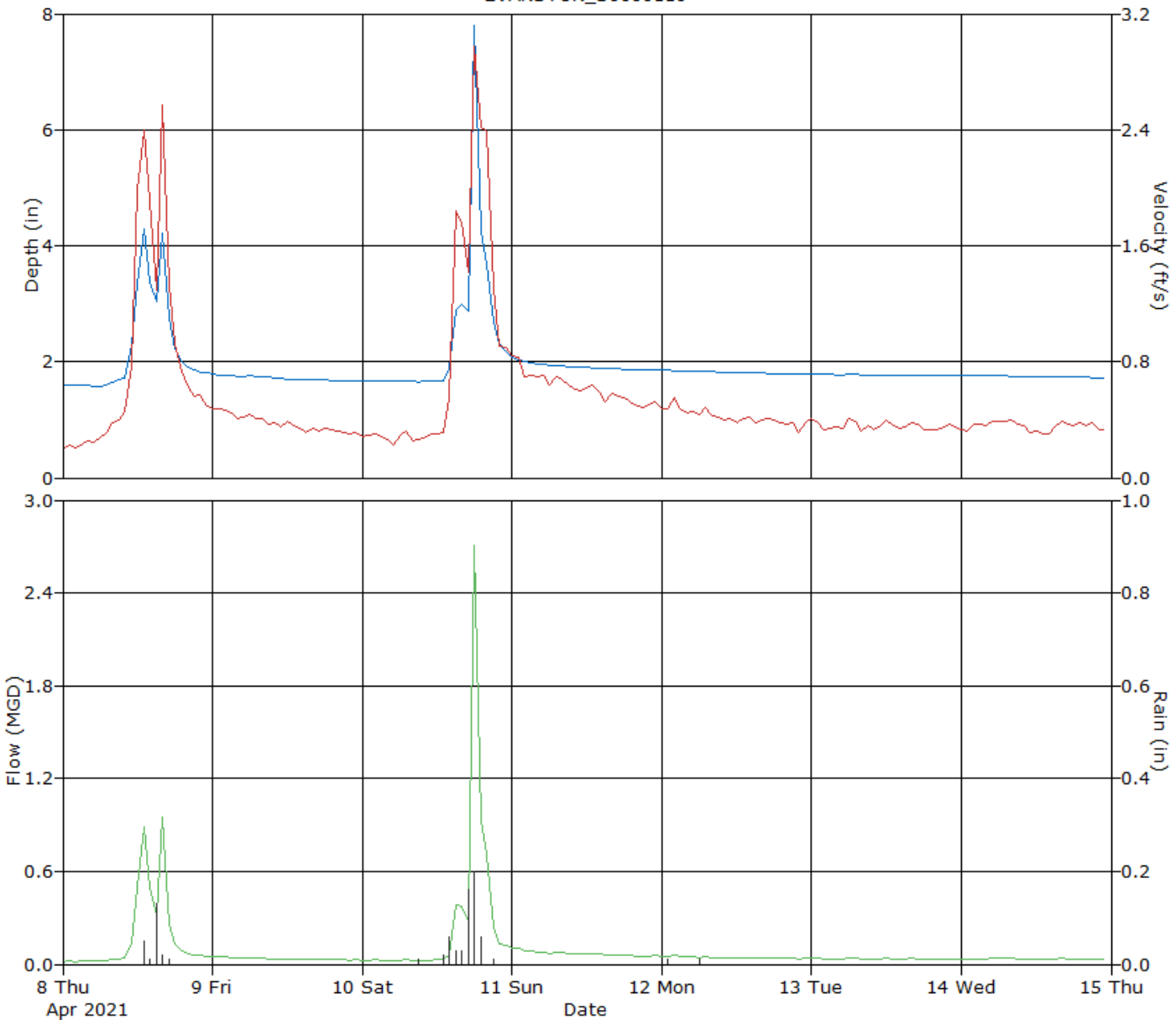


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



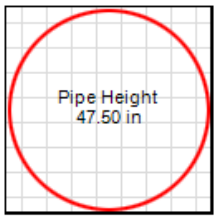
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

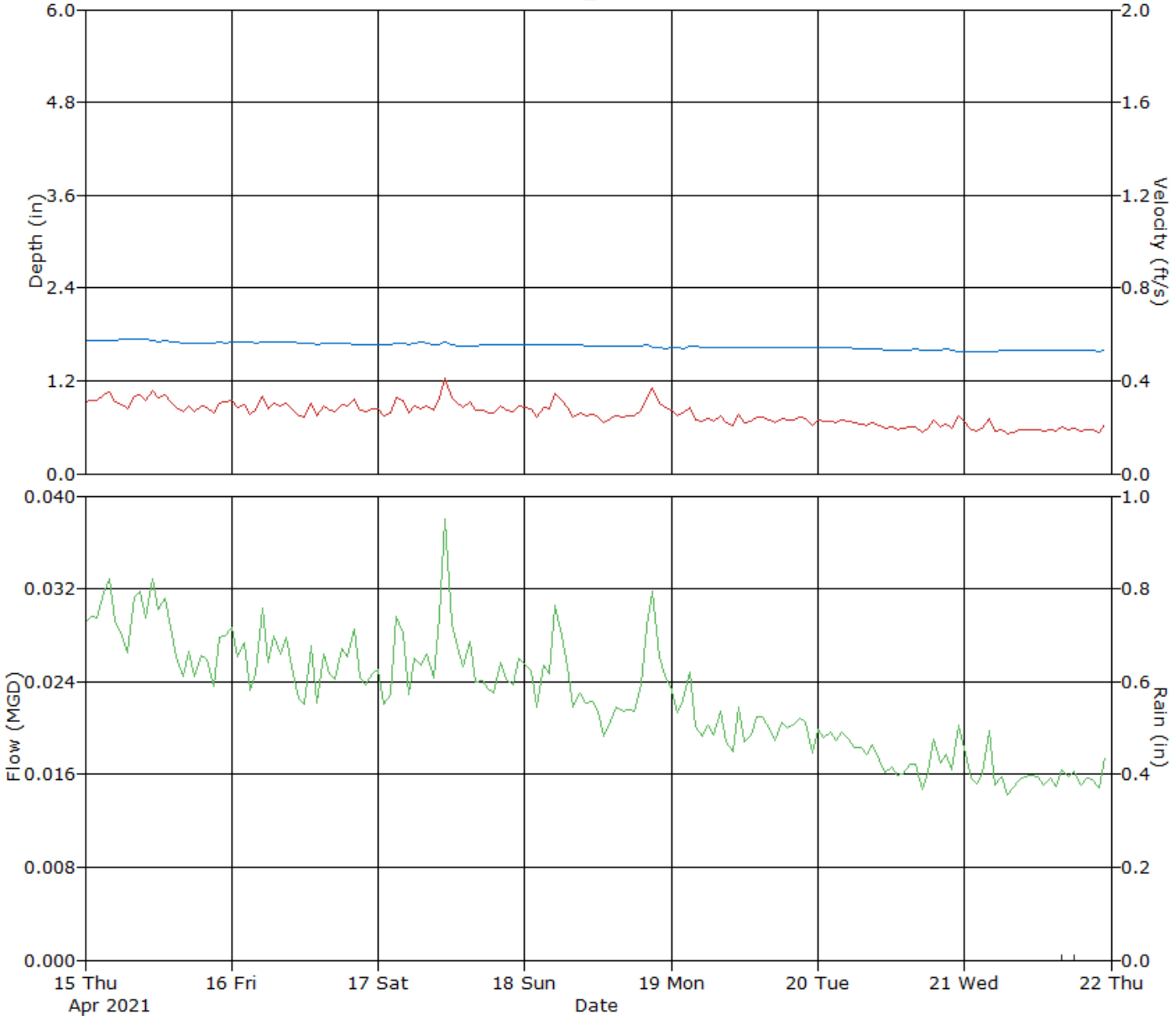


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



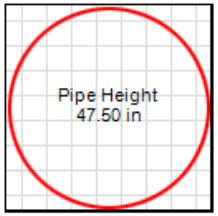
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

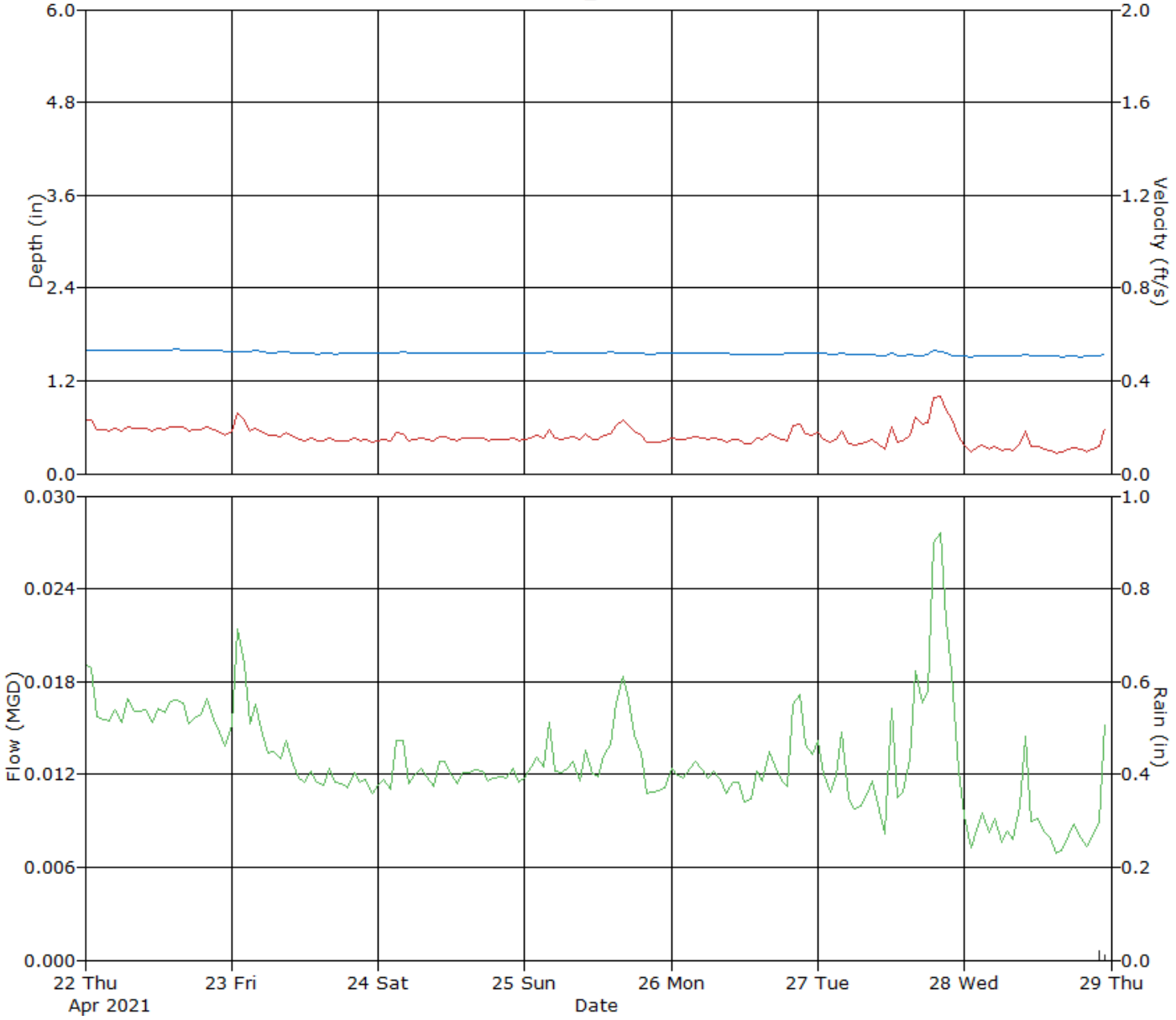


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



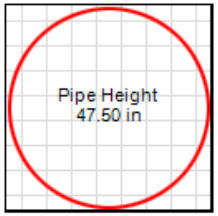
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

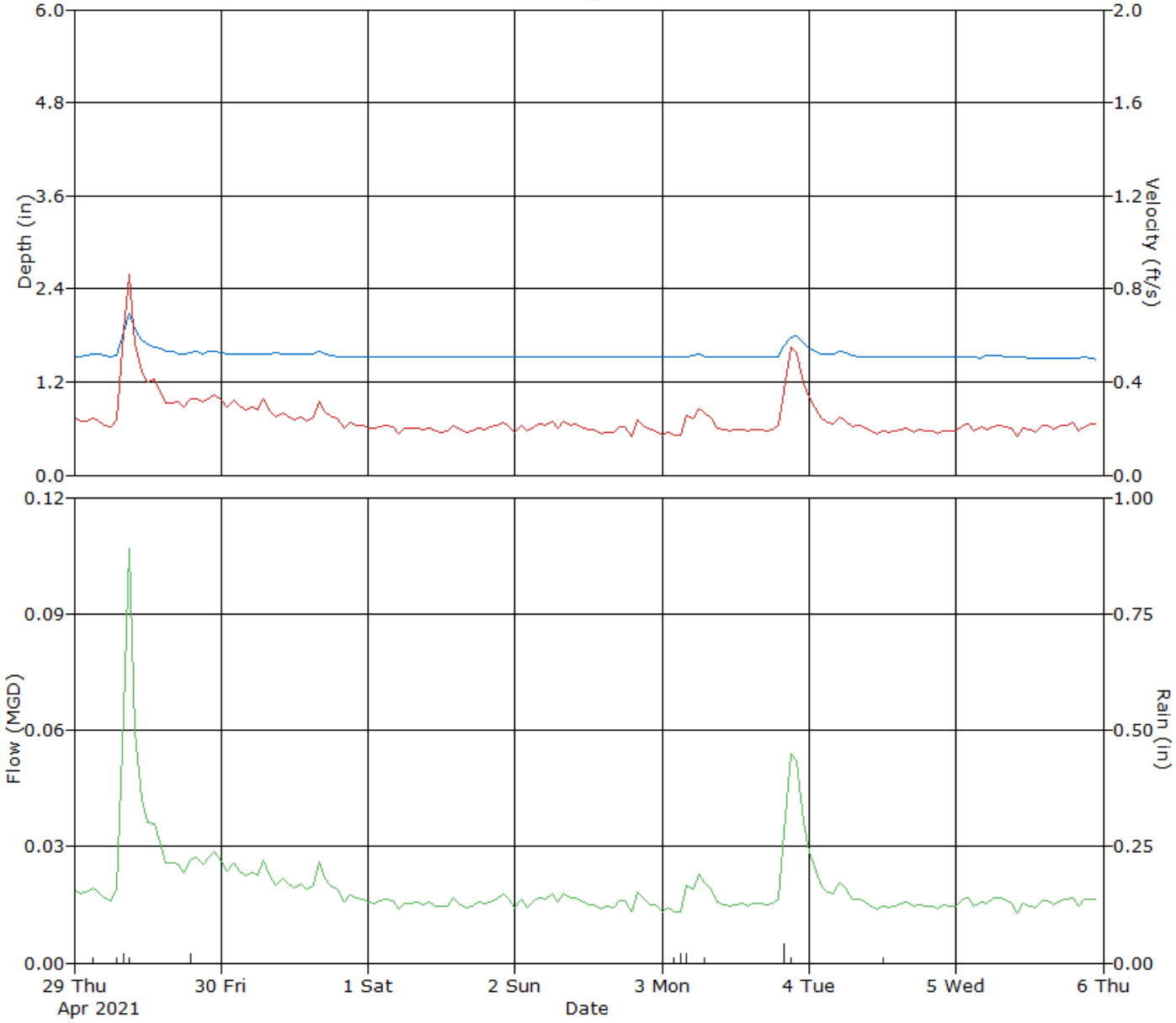


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



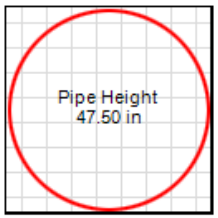
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

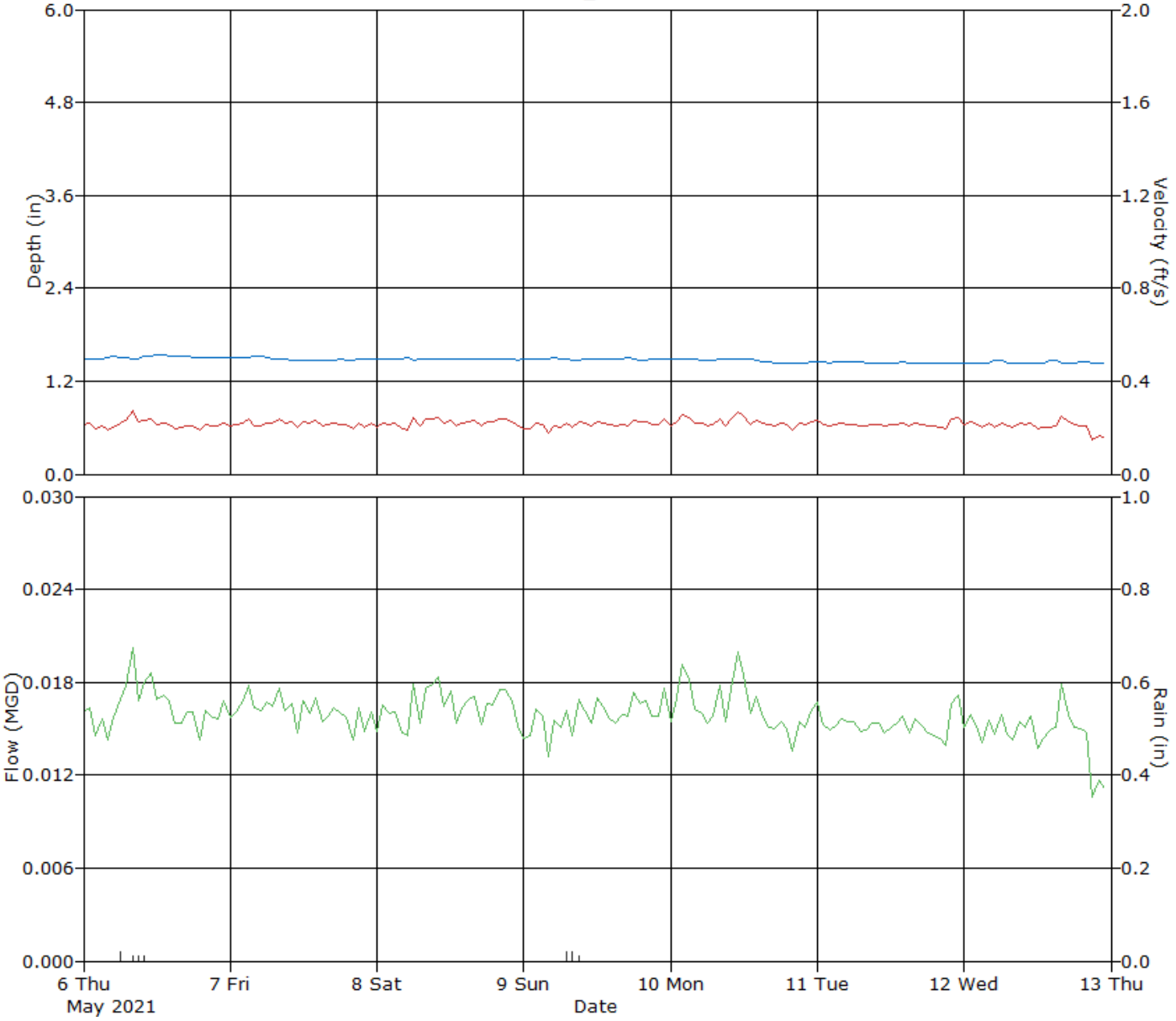


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



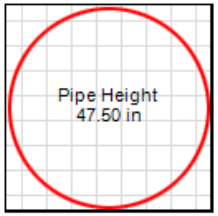
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

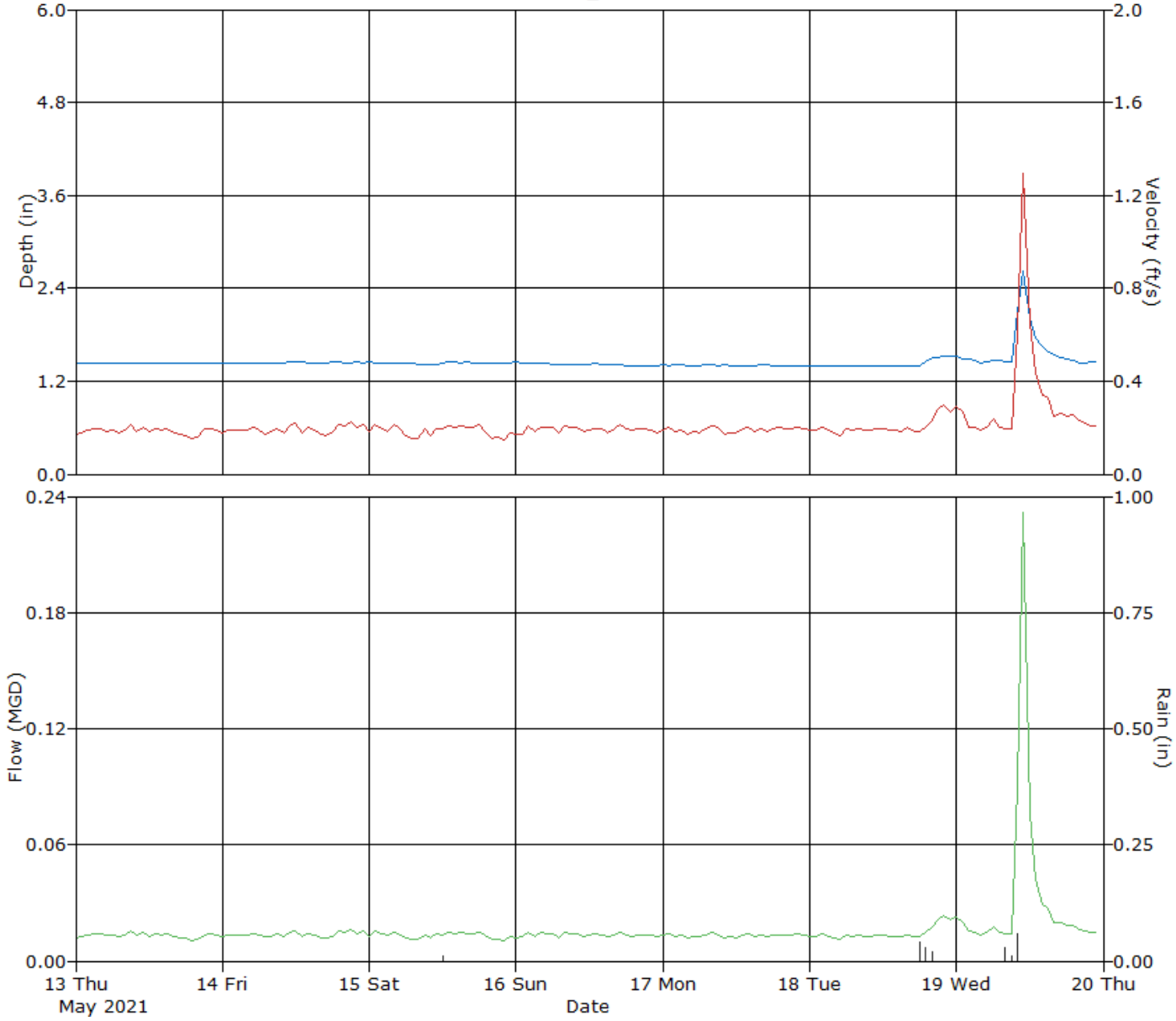


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



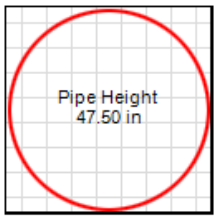
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

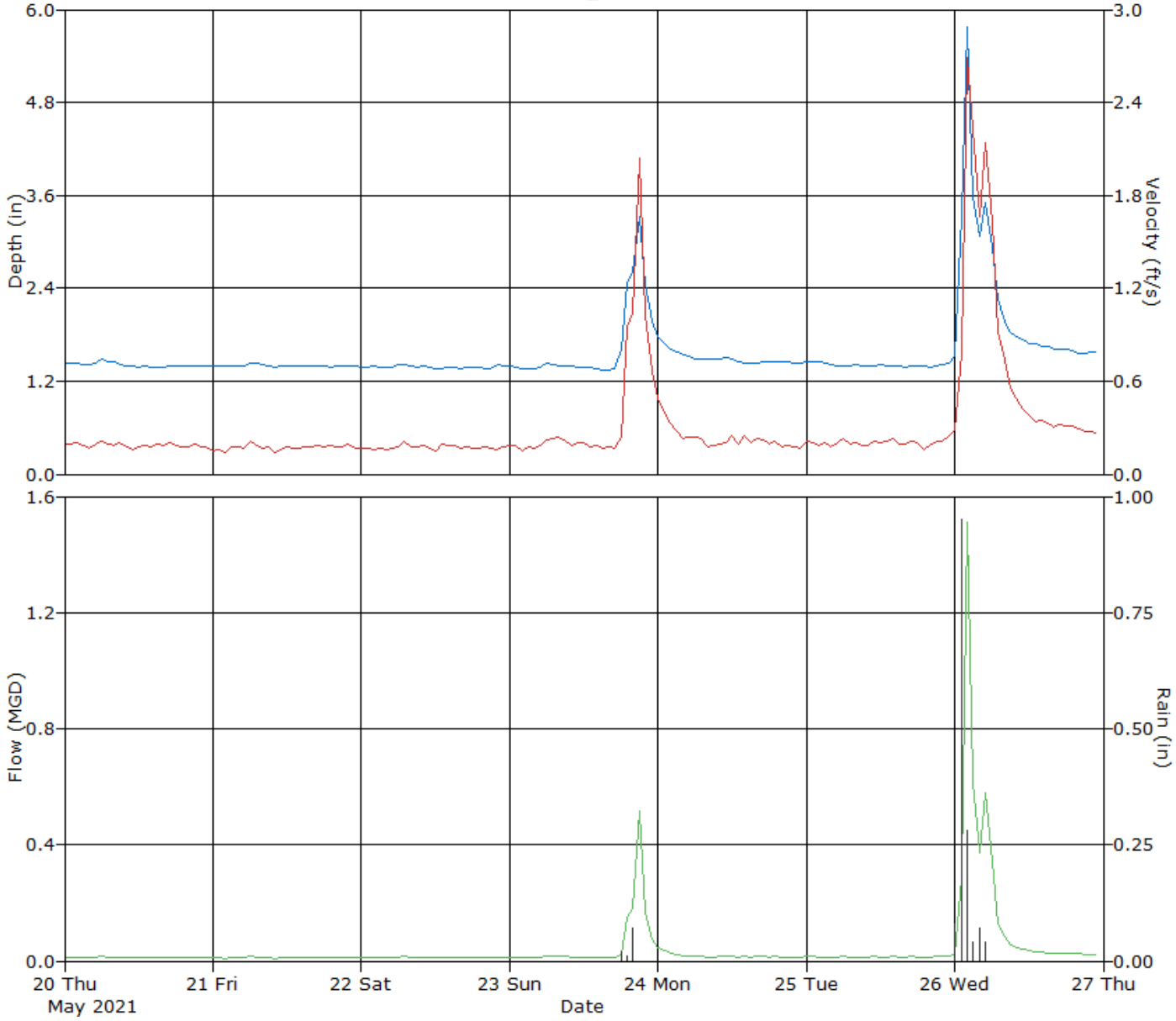


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



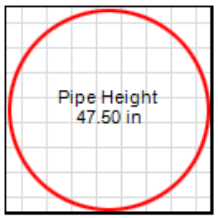
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

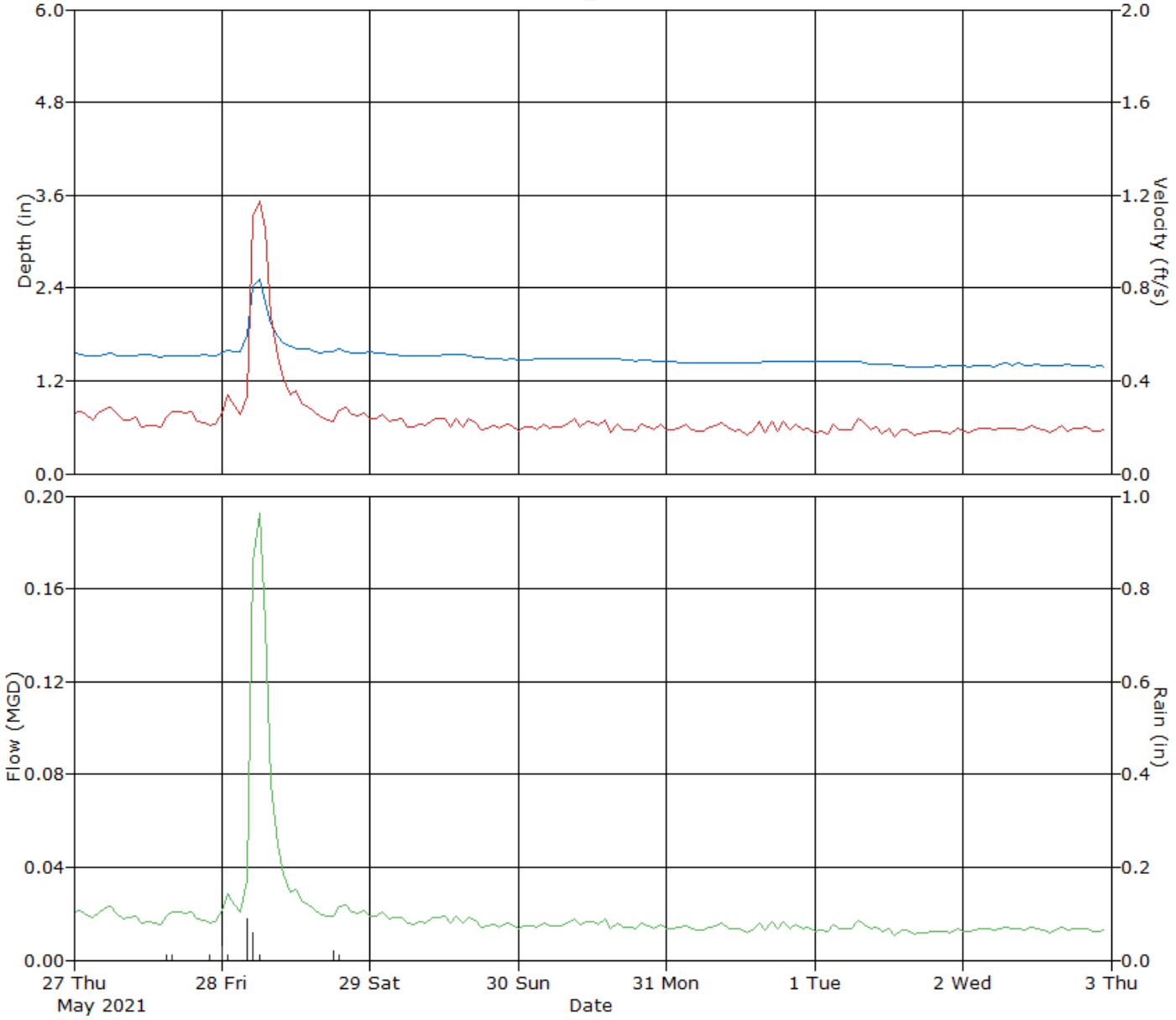


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



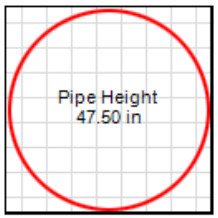
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110



Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



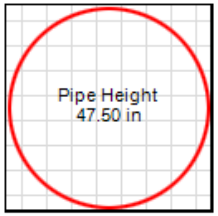
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

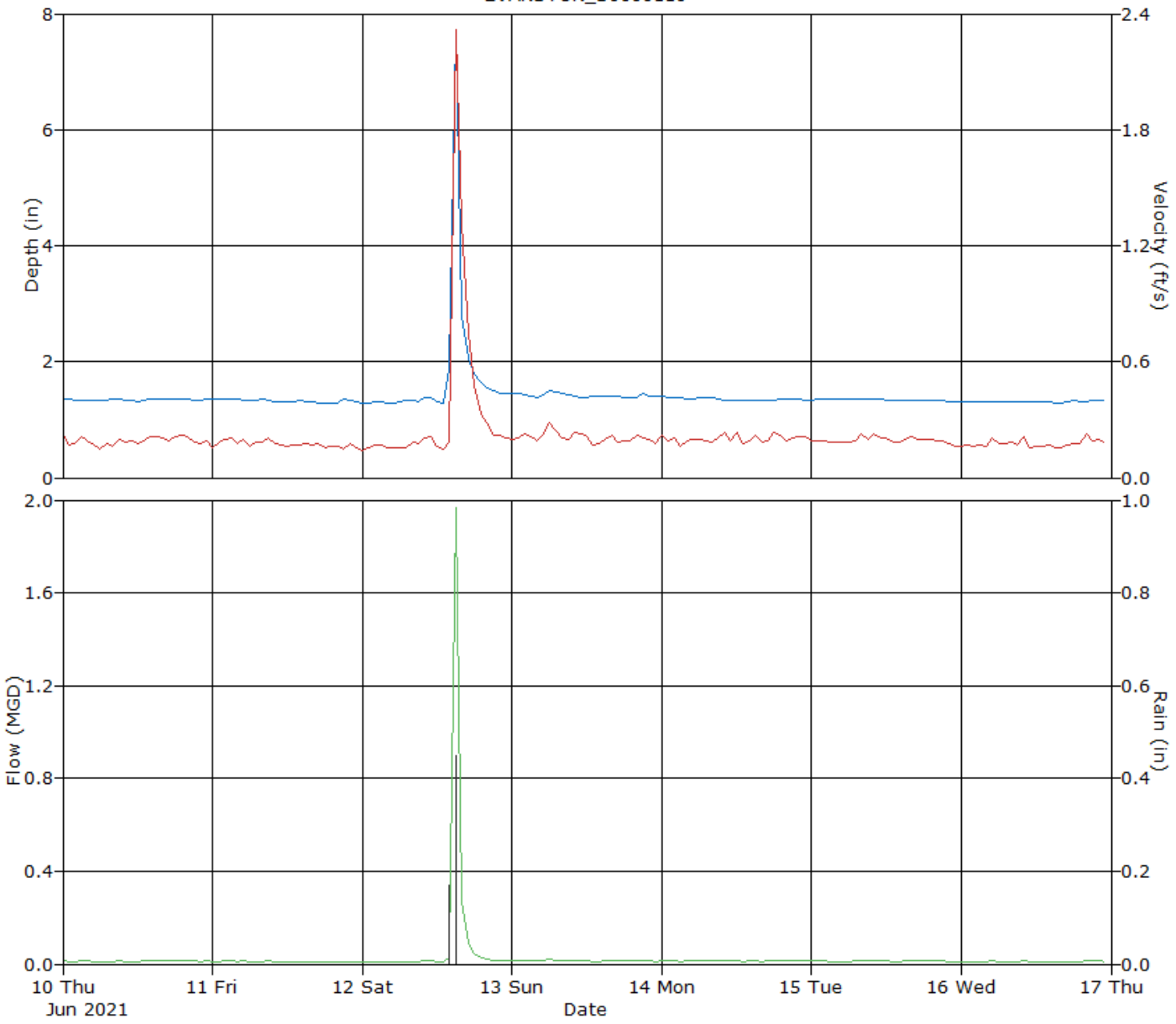


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



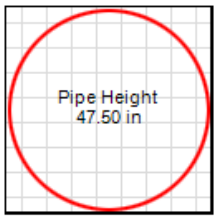
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

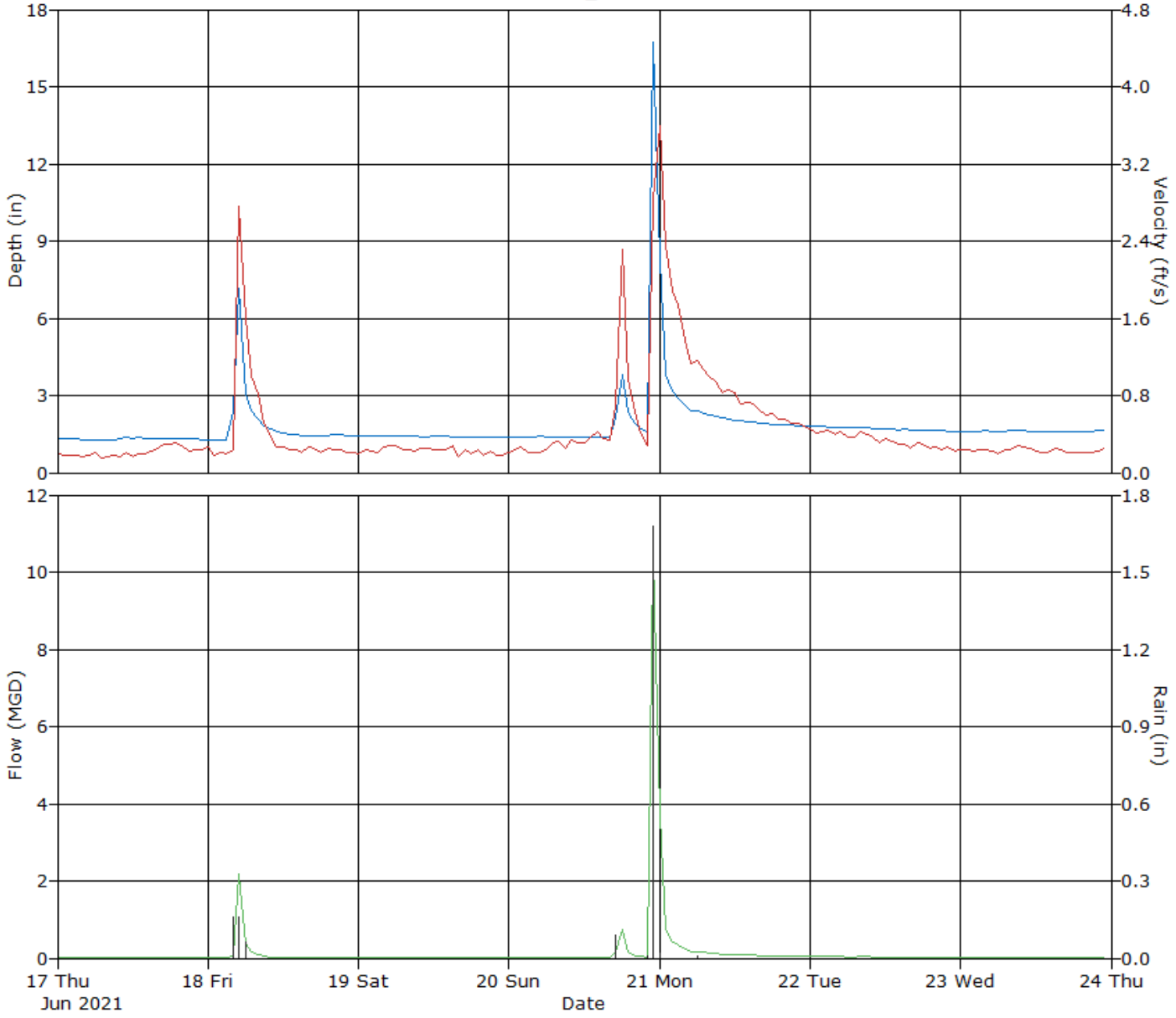


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



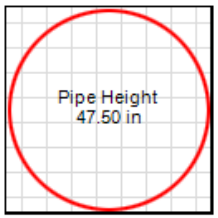
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

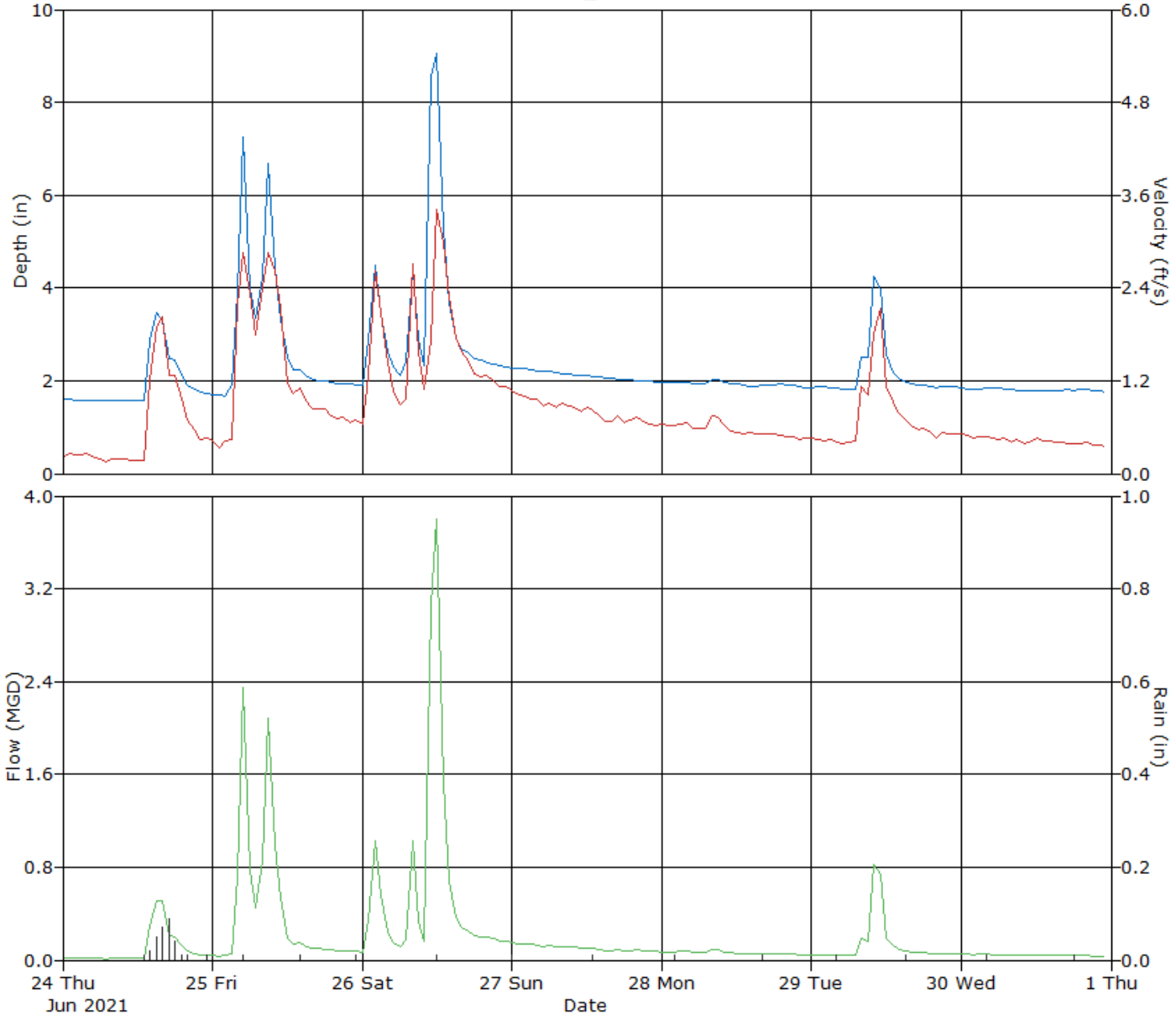


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



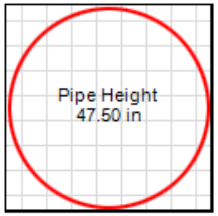
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

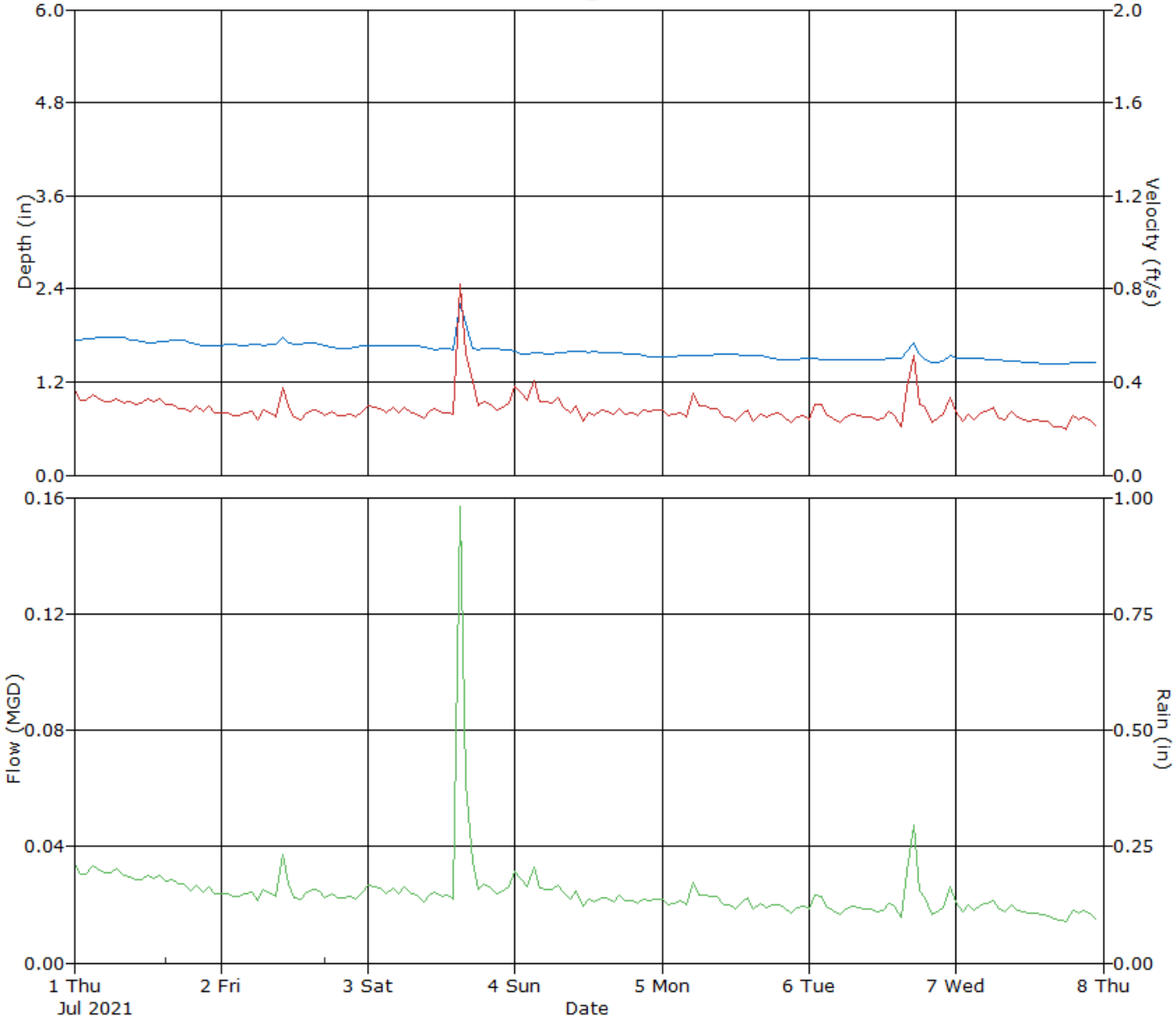


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



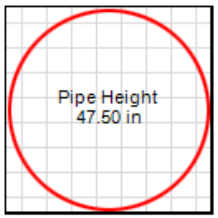
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

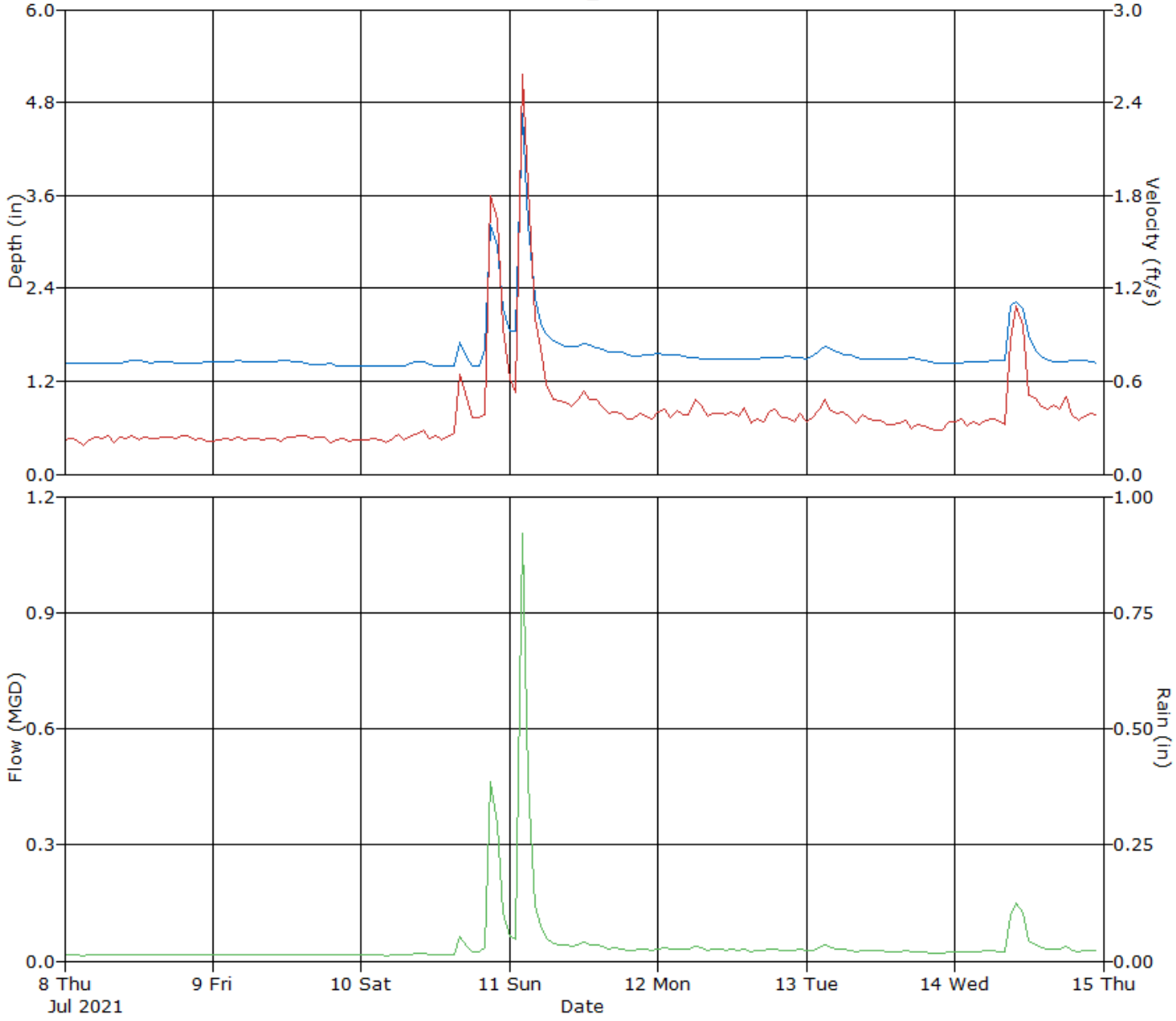


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



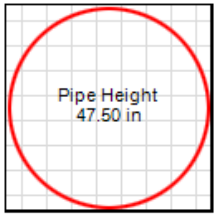
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

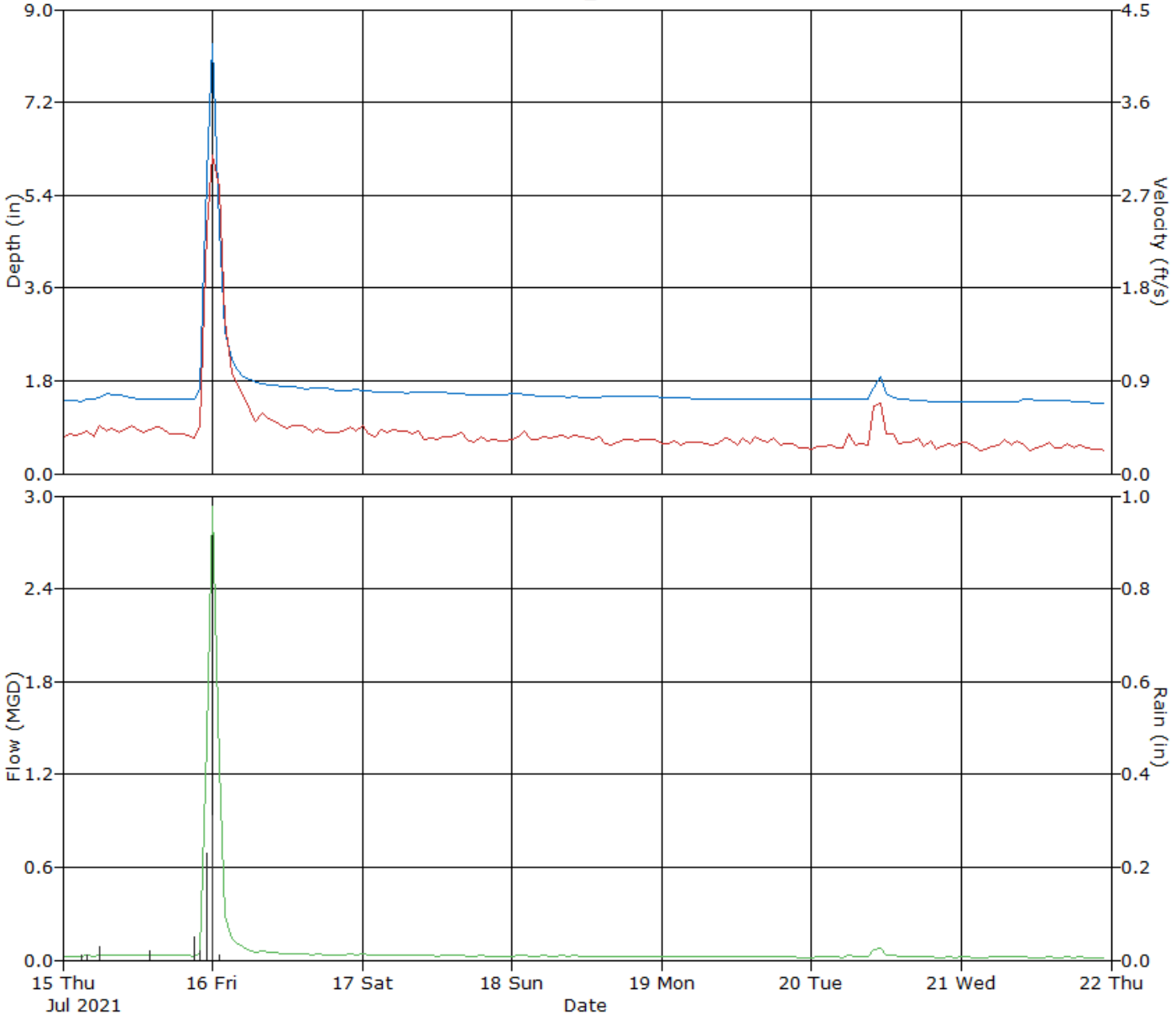


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



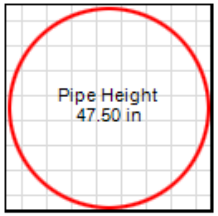
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110



Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



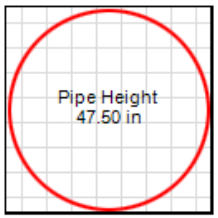
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110



Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



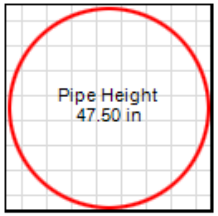
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

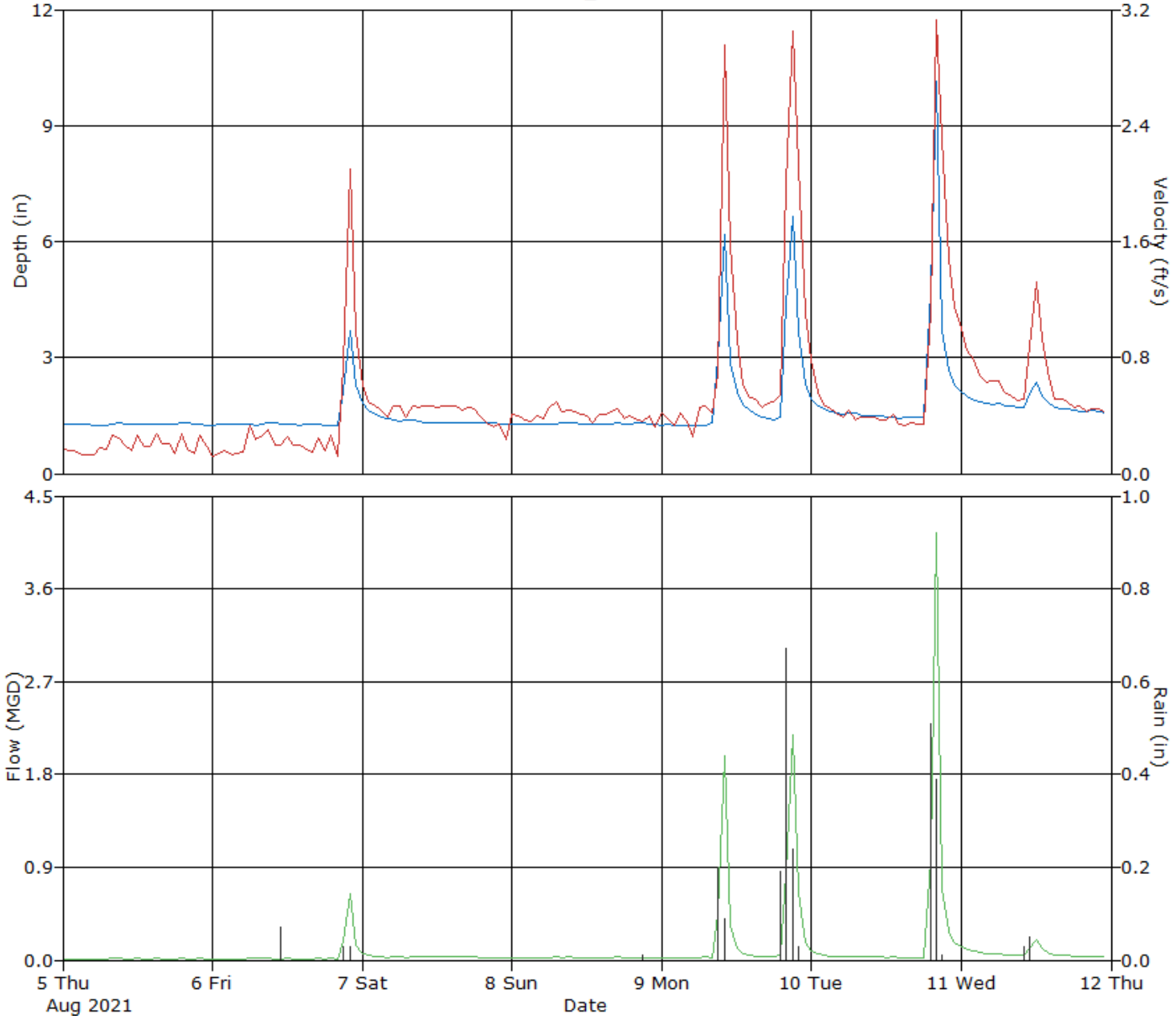


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



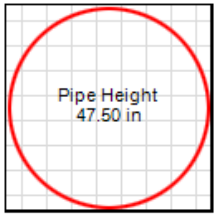
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

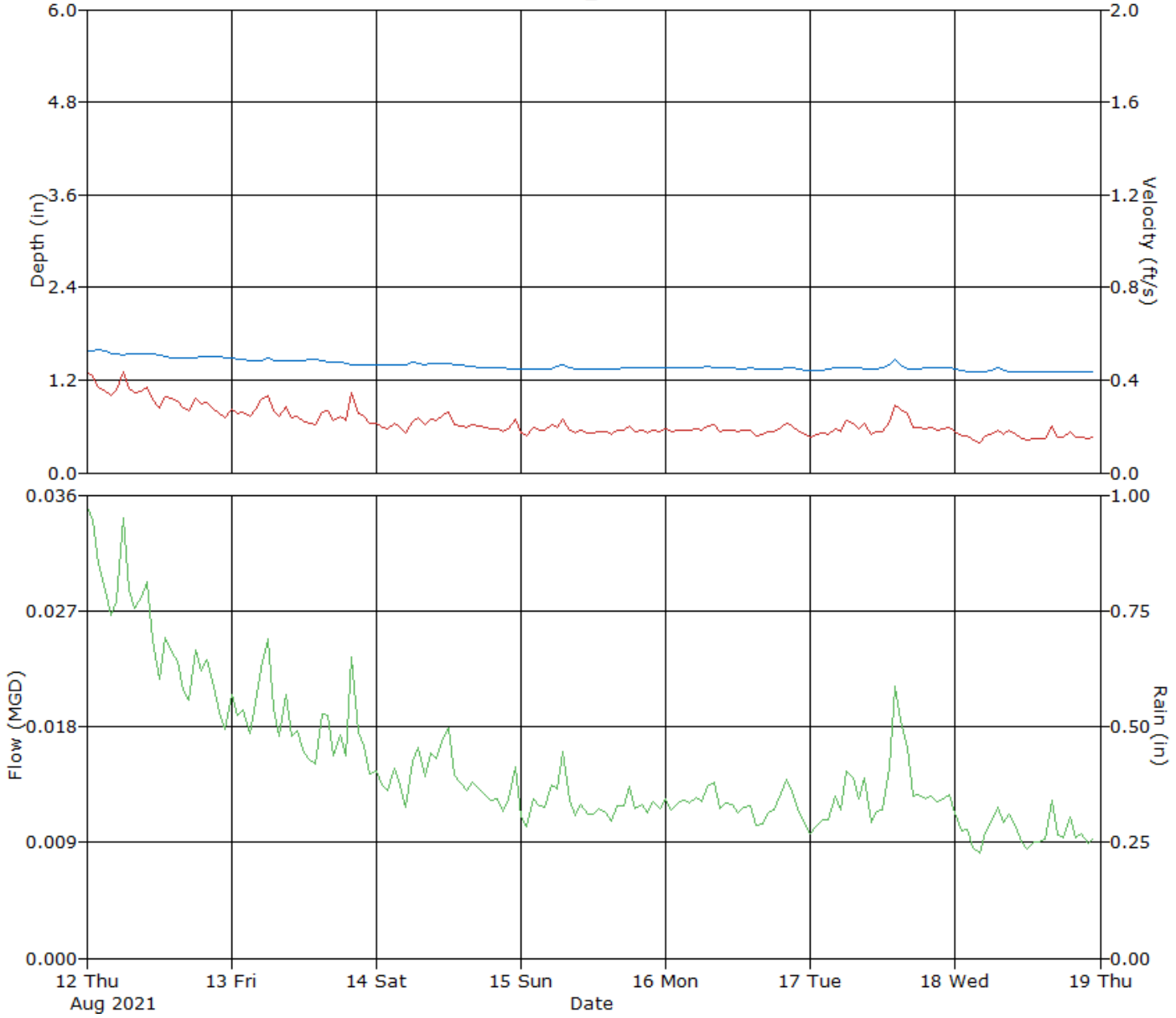


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



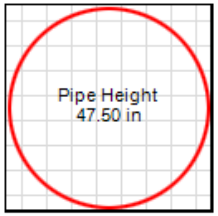
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

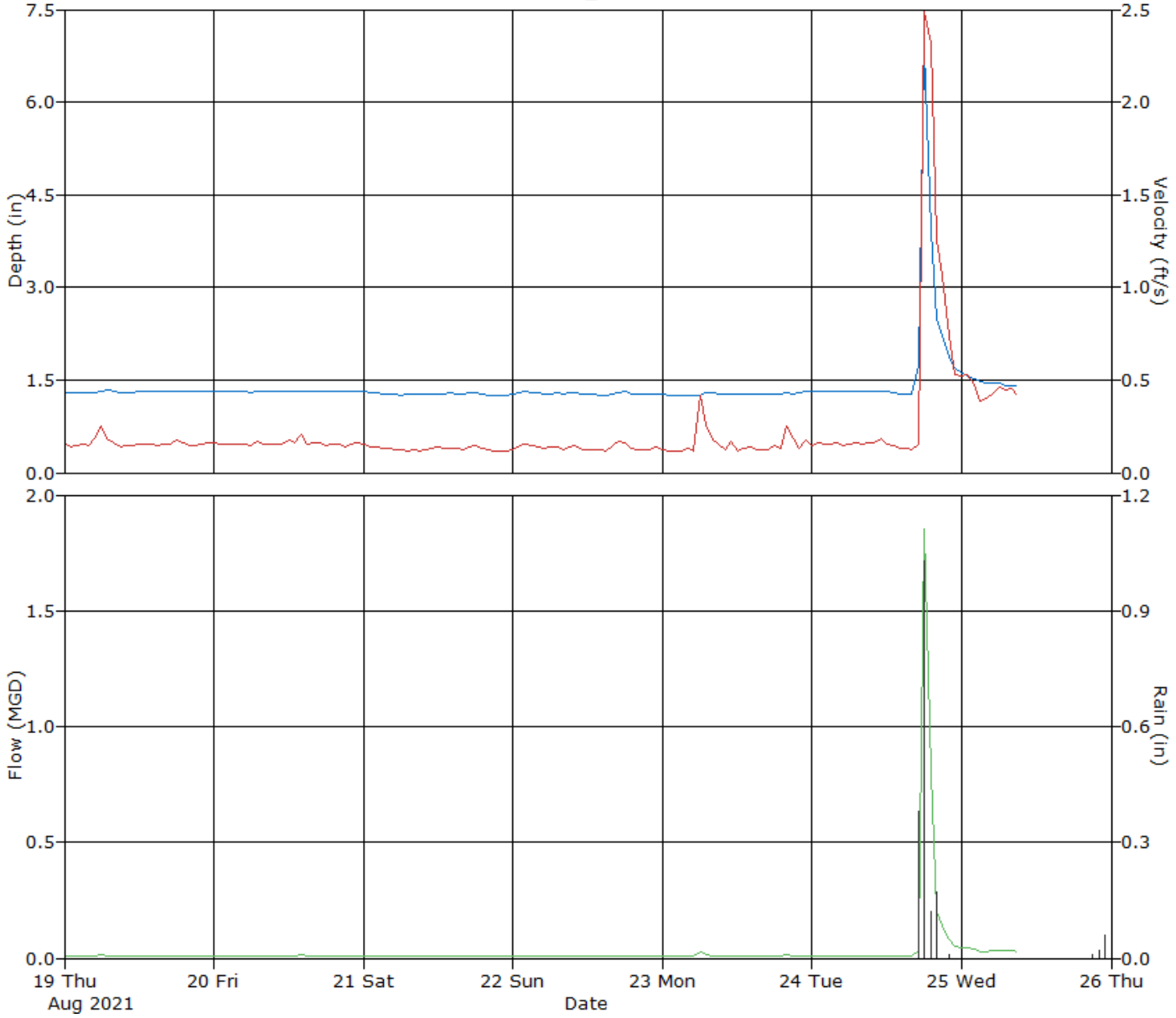


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



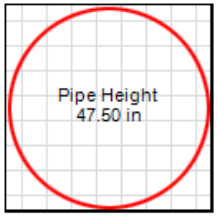
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0600110

Flow Monitor

EVANSTON_S0600110

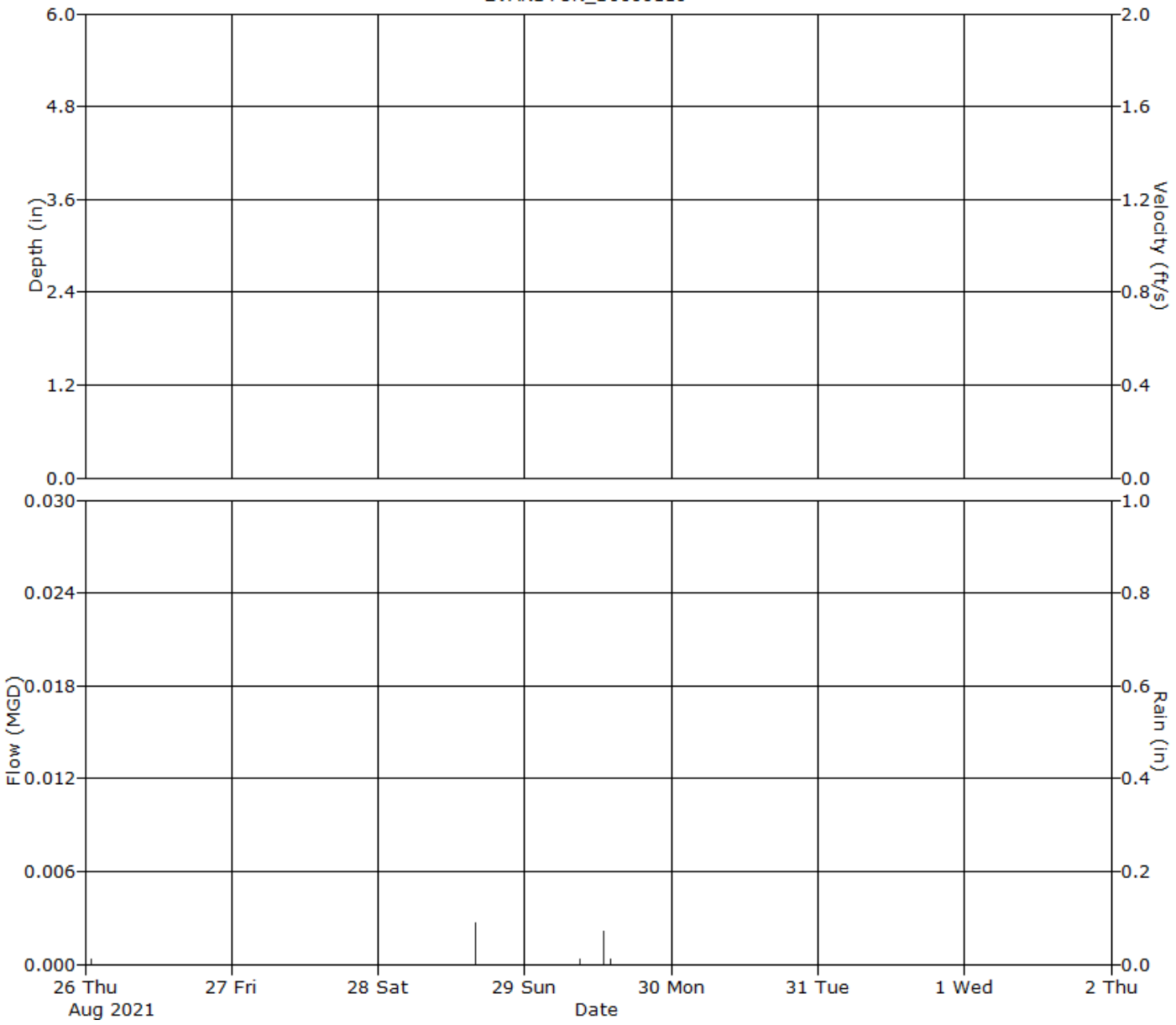


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S0600110, Pipe Height: 47.50 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021	23:20	1.65	10:10	1.70	1.68	10:25	0.13	10:10	0.31	0.27	17:05	0.012	10:10	0.028	0.024	3220	
04/02/2021	07:30	1.64	08:15	1.68	1.66	14:45	0.13	02:35	0.32	0.25	14:45	0.012	02:35	0.028	0.022	2972	
04/03/2021	04:55	1.64	21:35	1.67	1.65	13:40	0.12	10:10	0.33	0.25	13:40	0.010	10:10	0.029	0.021	2871	
04/04/2021	18:20	1.62	00:50	1.67	1.65	03:00	0.11	22:55	0.35	0.24	03:00	0.010	22:55	0.030	0.021	2834	
04/05/2021	05:55	1.62	15:15	1.65	1.63	23:45	0.13	16:35	0.49	0.24	23:45	0.011	16:35	0.042	0.020	2736	
04/06/2021	19:50	1.60	14:20	1.67	1.63	12:35	0.16	15:15	0.55	0.27	12:35	0.014	15:15	0.047	0.023	3102	
04/07/2021	21:00	1.58	13:15	2.28	1.62	21:25	0.17	13:05	1.59	0.28	21:25	0.014	13:05	0.207	0.025	3361	
04/08/2021	06:30	1.58	16:05	5.06	2.20	03:05	0.12	16:00	3.17	0.81	03:05	0.010	16:05	1.448	0.177	23638	0.22
04/09/2021	22:20	1.66	00:00	1.80	1.72	17:35	0.25	01:50	0.57	0.38	23:15	0.022	01:50	0.055	0.035	4690	
04/10/2021	09:25	1.65	18:40	9.33	2.37	05:15	0.16	18:50	3.71	0.85	05:15	0.014	18:40	3.976	0.262	35004	0.58
04/11/2021	19:55	1.86	00:00	2.11	1.92	15:05	0.40	01:05	1.05	0.62	22:10	0.043	01:05	0.128	0.069	9190	
04/12/2021	23:50	1.79	01:05	1.87	1.82	12:35	0.27	01:40	0.65	0.42	12:35	0.027	01:40	0.067	0.043	5686	0.02
04/13/2021	15:05	1.76	07:00	1.80	1.77	04:45	0.22	00:05	0.57	0.36	04:45	0.021	00:05	0.056	0.035	4633	
04/14/2021	21:50	1.72	05:55	1.77	1.75	13:10	0.23	07:05	0.50	0.36	13:10	0.022	07:05	0.048	0.034	4528	
04/15/2021	21:35	1.69	08:35	1.74	1.71	16:35	0.18	09:25	0.53	0.31	16:35	0.016	09:25	0.050	0.029	3815	
04/16/2021	21:10	1.66	05:35	1.71	1.69	12:15	0.12	00:05	0.45	0.28	12:15	0.010	00:05	0.041	0.026	3430	
04/17/2021	10:10	1.65	11:00	1.76	1.67	04:55	0.20	10:50	0.56	0.29	04:55	0.017	10:50	0.052	0.026	3470	
04/18/2021	23:10	1.62	20:15	1.68	1.65	18:05	0.14	06:10	0.46	0.27	18:05	0.012	06:10	0.040	0.024	3219	
04/19/2021	02:20	1.62	04:05	1.66	1.63	10:45	0.15	03:40	0.34	0.24	10:45	0.013	03:40	0.030	0.020	2728	
04/20/2021	23:45	1.58	03:45	1.64	1.61	00:30	0.11	23:45	0.40	0.21	00:30	0.009	23:45	0.033	0.018	2374	
04/21/2021	02:00	1.58	12:25	1.60	1.59	07:05	0.12	04:15	0.29	0.19	07:05	0.010	04:15	0.024	0.016	2121	0.02
04/22/2021	23:30	1.58	15:50	1.62	1.60	23:45	0.12	08:05	0.27	0.19	23:45	0.010	15:55	0.022	0.016	2156	
04/23/2021	14:40	1.55	04:40	1.60	1.56	18:35	0.11	01:10	0.32	0.16	18:35	0.009	01:10	0.026	0.013	1778	
04/24/2021	01:05	1.55	04:15	1.59	1.56	14:00	0.10	22:20	0.24	0.15	14:00	0.008	22:20	0.019	0.012	1613	
04/25/2021	21:00	1.54	14:50	1.59	1.56	23:20	0.09	10:40	0.28	0.16	23:20	0.007	10:40	0.022	0.013	1751	
04/26/2021	13:40	1.53	22:35	1.57	1.55	01:20	0.09	20:50	0.26	0.15	01:20	0.007	20:50	0.021	0.012	1653	
04/27/2021	18:00	1.51	20:15	1.60	1.54	14:25	0.09	20:05	0.48	0.18	14:25	0.007	20:05	0.040	0.014	1920	
04/28/2021	19:55	1.51	23:25	1.55	1.52	19:55	0.09	10:05	0.28	0.11	19:55	0.007	10:05	0.023	0.009	1184	0.03
04/29/2021	01:20	1.51	09:10	2.14	1.63	07:05	0.19	09:15	0.95	0.35	07:05	0.014	09:15	0.122	0.031	4209	0.07
04/30/2021	23:10	1.52	16:10	1.61	1.55	23:55	0.19	07:40	0.50	0.26	23:55	0.015	07:40	0.041	0.021	2838	
05/01/2021	07:20	1.51	01:10	1.53	1.52	19:10	0.15	23:00	0.27	0.20	19:10	0.011	23:00	0.021	0.015	2069	
05/02/2021	08:00	1.51	06:25	1.53	1.52	03:45	0.13	10:00	0.30	0.20	03:45	0.010	10:00	0.024	0.016	2101	
05/03/2021	03:00	1.51	22:00	1.83	1.56	03:10	0.10	21:50	0.63	0.25	03:10	0.007	21:50	0.064	0.021	2772	0.11
05/04/2021	10:10	1.52	00:00	1.65	1.54	23:10	0.14	00:40	0.36	0.21	23:10	0.011	00:40	0.030	0.017	2241	0.01
05/05/2021	23:55	1.49	06:15	1.55	1.51	00:35	0.12	00:30	0.27	0.20	00:35	0.009	00:30	0.021	0.016	2097	
05/06/2021	08:45	1.43	12:50	1.55	1.51	01:35	0.14	07:55	0.36	0.21	01:35	0.010	07:55	0.028	0.016	2191	0.05
05/07/2021	12:00	1.47	04:50	1.54	1.49	12:30	0.10	01:00	0.32	0.22	12:30	0.008	01:00	0.024	0.016	2162	
05/08/2021	06:25	1.47	05:05	1.51	1.48	13:50	0.09	06:20	0.35	0.22	13:50	0.007	06:20	0.026	0.016	2199	
05/09/2021	08:25	1.45	05:25	1.52	1.48	12:25	0.09	23:55	0.30	0.21	12:25	0.006	23:55	0.022	0.016	2117	0.05
05/10/2021	20:55	1.43	03:35	1.49	1.47	07:40	0.10	11:40	0.35	0.22	07:40	0.007	11:40	0.026	0.016	2188	
05/11/2021	22:50	1.43	06:35	1.46	1.44	19:55	0.08	22:25	0.29	0.21	19:55	0.005	22:25	0.020	0.015	2044	
05/12/2021	03:55	1.43	14:45	1.48	1.44	03:35	0.09	04:40	0.33	0.21	03:35	0.006	04:40	0.023	0.015	1958	
05/13/2021	21:40	1.43	18:35	1.44	1.44	05:20	0.09	20:20	0.22	0.19	05:20	0.007	20:20	0.016	0.013	1759	
05/14/2021	02:10	1.43	19:40	1.45	1.44	08:50	0.08	09:00	0.28	0.19	08:50	0.006	09:00	0.020	0.014	1839	
05/15/2021	09:15	1.41	16:50	1.45	1.43	14:10	0.09	16:50	0.23	0.19	14:10	0.007	16:50	0.016	0.013	1760	0.01
05/16/2021	20:25	1.39	00:50	1.45	1.42	03:45	0.09	00:50	0.23	0.19	03:45	0.006	00:50	0.016	0.013	1792	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	14:55	1.39 08:15	1.43	1.40	21:15	0.09 14:35	0.28	0.19	21:15	0.006 14:35	0.019	0.013	1753	
05/18/2021	18:00	1.39 22:00	1.54	1.42	00:00	0.08 22:05	0.41	0.20	00:00	0.006 22:05	0.033	0.014	1904	0.09
05/19/2021	21:25	1.43 11:10	2.83	1.59	09:15	0.08 11:00	1.83	0.32	09:15	0.006 11:05	0.342	0.033	4440	0.10
05/20/2021	14:35	1.38 06:25	1.48	1.41	12:05	0.15 02:00	0.35	0.19	12:05	0.010 02:00	0.025	0.013	1723	
05/21/2021	19:30	1.37 07:35	1.44	1.39	10:50	0.08 22:00	0.32	0.17	10:50	0.006 22:00	0.022	0.012	1553	
05/22/2021	21:20	1.35 06:55	1.44	1.38	19:20	0.10 07:45	0.33	0.17	19:20	0.006 07:45	0.023	0.012	1546	
05/23/2021	15:40	1.34 21:20	3.69	1.64	02:20	0.09 21:15	2.59	0.39	02:20	0.006 21:20	0.745	0.056	7485	0.10
05/24/2021	15:20	1.43 00:00	1.84	1.50	23:50	0.14 00:05	0.55	0.23	23:50	0.010 00:05	0.057	0.018	2436	
05/25/2021	21:00	1.38 01:10	1.45	1.41	02:25	0.10 14:40	0.35	0.20	02:25	0.007 00:45	0.025	0.014	1860	
05/26/2021	00:30	1.43 02:10	7.01	2.19	00:25	0.22 02:10	3.03	0.76	00:25	0.016 02:10	2.238	0.183	24512	1.46
05/27/2021	14:30	1.50 05:45	1.57	1.53	20:55	0.16 06:10	0.38	0.24	20:55	0.012 06:10	0.031	0.019	2521	0.03
05/28/2021	00:05	1.51 06:00	2.58	1.72	00:10	0.16 05:35	1.42	0.42	00:10	0.012 05:40	0.222	0.046	6109	0.23
05/29/2021	22:35	1.48 00:35	1.57	1.52	20:10	0.14 16:30	0.40	0.22	20:10	0.011 16:30	0.032	0.017	2269	
05/30/2021	23:20	1.44 15:05	1.49	1.48	00:50	0.09 04:30	0.38	0.20	00:50	0.007 04:30	0.029	0.015	2021	
05/31/2021	03:50	1.43 22:10	1.45	1.44	18:15	0.09 14:55	0.38	0.20	18:15	0.007 19:25	0.027	0.014	1879	
06/01/2021	16:50	1.38 00:05	1.45	1.42	18:20	0.08 07:40	0.33	0.19	18:20	0.005 07:40	0.024	0.013	1739	
06/02/2021	21:25	1.38 09:20	1.45	1.40	17:20	0.07 11:55	0.41	0.19	17:20	0.005 11:55	0.028	0.013	1754	
06/03/2021	20:15	1.34 06:55	1.43	1.37	09:05	0.08 12:15	0.43	0.19	09:05	0.005 12:15	0.029	0.012	1670	
06/04/2021	03:40	1.34 13:50	2.66	1.40	04:45	0.09 13:45	2.00	0.20	04:45	0.006 13:45	0.340	0.017	2233	
06/05/2021	11:20	1.34 00:00	1.40	1.35	03:55	0.08 18:05	0.40	0.18	03:55	0.005 18:05	0.025	0.012	1541	
06/06/2021	19:45	1.31 14:35	1.55	1.36	20:25	0.08 14:25	0.39	0.18	20:25	0.005 14:25	0.031	0.012	1580	
06/07/2021	16:45	1.34 11:00	1.40	1.36	01:10	0.07 08:25	0.27	0.17	01:10	0.005 08:25	0.018	0.011	1481	
06/08/2021	05:15	1.31 11:00	1.48	1.38	02:55	0.09 00:55	0.47	0.19	02:55	0.005 00:55	0.031	0.013	1735	
06/09/2021	19:25	1.34 07:25	1.40	1.35	11:00	0.08 08:10	0.41	0.17	11:00	0.005 08:10	0.027	0.011	1486	
06/10/2021	12:30	1.31 00:00	1.36	1.34	15:10	0.09 15:20	0.49	0.19	15:10	0.006 15:20	0.032	0.012	1650	
06/11/2021	20:40	1.29 21:35	1.38	1.33	14:30	0.08 08:35	0.26	0.17	14:30	0.005 08:35	0.017	0.011	1477	
06/12/2021	13:45	1.29 15:10	11.92	1.76	00:00	0.09 15:20	2.95	0.36	00:00	0.006 15:20	4.062	0.110	14736	0.62
06/13/2021	19:45	1.38 06:20	1.52	1.41	17:20	0.13 16:20	0.46	0.21	17:20	0.009 16:20	0.031	0.015	1944	
06/14/2021	16:55	1.34 07:50	1.40	1.36	10:50	0.08 10:45	0.64	0.20	10:50	0.005 10:45	0.041	0.013	1760	
06/15/2021	23:20	1.30 08:45	1.35	1.34	04:50	0.08 08:50	0.37	0.19	04:50	0.005 08:50	0.024	0.013	1671	
06/16/2021	15:30	1.29 22:20	1.35	1.31	21:25	0.07 20:10	0.51	0.18	21:25	0.005 20:10	0.031	0.011	1454	
06/17/2021	07:05	1.29 11:10	1.41	1.31	01:50	0.09 19:20	0.38	0.21	12:30	0.006 19:20	0.023	0.013	1752	
06/18/2021	00:05	1.29 05:00	12.05	1.87	03:25	0.09 05:05	3.31	0.47	03:25	0.006 05:05	5.294	0.135	18087	0.38
06/19/2021	16:40	1.39 02:25	1.45	1.41	23:10	0.12 19:40	0.69	0.23	23:10	0.008 19:40	0.047	0.016	2120	
06/20/2021	17:05	1.38 23:35	30.76	2.25	07:30	0.12 23:35	4.74	0.54	07:30	0.008 23:35	26.107	0.500	66791	1.78
06/21/2021	23:55	1.81 00:00	15.25	2.48	23:55	0.37 00:00	4.39	1.06	23:55	0.038 00:00	9.770	0.303	40495	0.03
06/22/2021	23:55	1.60 00:40	1.81	1.71	23:40	0.12 08:15	0.57	0.34	23:40	0.010 08:15	0.054	0.032	4213	
06/23/2021	06:05	1.58 09:50	1.65	1.61	06:50	0.12 11:00	0.37	0.23	06:50	0.010 11:00	0.032	0.019	2602	
06/24/2021	08:05	1.56 15:55	3.85	1.92	07:30	0.14 15:50	2.81	0.57	07:30	0.012 15:50	0.864	0.096	12811	0.31
06/25/2021	03:35	1.64 05:15	9.75	2.87	01:00	0.24 05:20	3.54	1.30	01:00	0.022 05:15	4.173	0.426	56883	0.03
06/26/2021	00:30	1.89 11:50	19.42	3.37	01:15	0.58 12:00	4.08	1.62	00:55	0.062 11:55	11.412	0.636	85076	0.01
06/27/2021	23:55	1.97 00:15	2.28	2.12	23:50	0.53 01:55	1.15	0.82	23:50	0.060 01:55	0.161	0.105	14008	0.02
06/28/2021	23:35	1.85 08:50	2.06	1.93	23:25	0.41 08:40	0.82	0.57	23:25	0.042 08:40	0.100	0.063	8406	0.02
06/29/2021	07:10	1.81 10:45	5.89	2.16	07:10	0.35 10:50	3.30	0.72	07:10	0.035 10:50	1.887	0.134	17977	0.02
06/30/2021	23:55	1.74 00:00	1.85	1.80	21:25	0.33 01:00	0.59	0.43	23:55	0.032 01:00	0.060	0.043	5689	0.02
07/01/2021	23:10	1.67 05:25	1.78	1.73	18:40	0.24 00:05	0.53	0.31	21:15	0.022 00:05	0.050	0.029	3894	0.01
07/02/2021	22:15	1.64 10:30	1.85	1.68	15:45	0.18 10:20	0.62	0.27	15:45	0.017 10:20	0.060	0.024	3218	0.01
07/03/2021	23:55	1.59 15:45	3.25	1.68	07:05	0.20 15:40	2.04	0.32	21:55	0.018 15:40	0.484	0.032	4276	
07/04/2021	23:55	1.52 00:10	1.60	1.57	21:45	0.14 00:55	0.57	0.29	21:45	0.011 00:55	0.046	0.024	3189	
07/05/2021	21:25	1.49 13:50	1.56	1.53	21:30	0.15 05:50	0.41	0.26	21:30	0.011 05:50	0.032	0.021	2765	
07/06/2021	21:30	1.45 17:35	1.72	1.51	14:45	0.14 17:30	0.61	0.27	14:45	0.010 17:30	0.056	0.021	2837	
07/07/2021	15:55	1.44 00:00	1.54	1.46	17:35	0.11 09:10	0.54	0.24	17:35	0.008 09:10	0.040	0.018	2371	
07/08/2021	04:05	1.44 12:00	1.48	1.44	03:25	0.10 09:00	0.41	0.23	03:25	0.007 09:00	0.029	0.016	2194	
07/09/2021	22:15	1.39 12:50	1.46	1.44	22:15	0.11 14:15	0.29	0.23	22:15	0.007 14:15	0.021	0.016	2167	
07/10/2021	14:55	1.39 21:50	3.65	1.60	10:55	0.09 21:40	2.48	0.43	10:55	0.006 21:40	0.703	0.058	7707	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total		Total
07/11/2021	20:45	1.52 02:25	5.53	1.87	23:45	0.24 02:30	3.14	0.64	23:45	0.019 02:25	1.644	0.108	14477		
07/12/2021	15:05	1.48 00:25	1.55	1.50	20:10	0.22 14:00	0.62	0.39	20:10	0.017 14:00	0.046	0.030	3965		
07/13/2021	23:20	1.44 03:30	1.67	1.51	20:45	0.21 03:20	0.54	0.35	20:45	0.015 03:25	0.047	0.027	3590		
07/14/2021	23:55	1.41 09:45	2.49	1.57	02:10	0.23 09:40	1.76	0.46	02:10	0.016 09:40	0.270	0.042	5570		
07/15/2021	03:55	1.40 23:55	7.58	1.65	22:30	0.20 23:20	3.06	0.49	22:30	0.014 23:55	2.138	0.088	11727		0.37
07/16/2021	20:55	1.60 00:30	8.79	2.18	23:30	0.31 00:20	3.57	0.76	23:30	0.026 00:20	3.634	0.231	30930		0.32
07/17/2021	18:10	1.52 00:00	1.63	1.56	17:35	0.20 00:55	0.59	0.37	17:35	0.015 00:55	0.049	0.030	3984		
07/18/2021	13:55	1.48 01:20	1.55	1.50	19:20	0.17 10:45	0.59	0.34	19:20	0.013 10:45	0.044	0.026	3438		
07/19/2021	11:45	1.43 01:25	1.49	1.45	20:50	0.13 15:30	0.56	0.30	20:50	0.009 15:30	0.040	0.022	2890		
07/20/2021	23:00	1.39 10:55	2.15	1.46	20:00	0.13 10:50	1.16	0.32	20:00	0.009 10:55	0.150	0.025	3347		
07/21/2021	23:15	1.37 10:40	1.58	1.40	22:20	0.12 17:45	0.55	0.26	22:20	0.008 17:45	0.038	0.018	2421		
07/22/2021	06:15	1.35 17:25	1.41	1.38	07:15	0.08 18:00	0.62	0.28	07:15	0.005 18:00	0.042	0.019	2496		
07/23/2021	23:10	1.34 07:55	1.42	1.38	19:55	0.09 06:40	0.51	0.29	19:55	0.006 06:40	0.034	0.020	2635		0.01
07/24/2021	00:35	1.34 15:45	3.27	1.45	12:05	0.09 15:35	2.56	0.39	12:05	0.006 15:40	0.585	0.034	4597		0.08
07/25/2021	06:25	1.34 07:30	1.40	1.36	22:20	0.10 05:50	0.50	0.30	22:20	0.006 05:50	0.032	0.019	2582		
07/26/2021	22:50	1.31 10:30	1.36	1.35	21:55	0.10 07:50	0.51	0.29	21:55	0.006 07:50	0.033	0.019	2522		
07/27/2021	23:20	1.29 04:10	1.36	1.33	19:40	0.09 06:50	0.45	0.29	19:40	0.006 07:35	0.028	0.018	2466		
07/28/2021	01:10	1.29 08:00	1.33	1.30	23:45	0.08 05:40	0.46	0.30	23:45	0.005 05:40	0.028	0.018	2420		0.01
07/29/2021	20:50	1.29 04:15	2.04	1.43	02:10	0.12 04:00	1.20	0.41	02:10	0.008 04:10	0.138	0.031	4200		0.10
07/30/2021	18:45	1.28 08:55	1.36	1.31	21:25	0.11 02:50	0.61	0.35	21:25	0.007 02:50	0.037	0.022	2924		
07/31/2021	16:05	1.30 02:20	1.32	1.31	23:55	0.09 15:20	0.52	0.30	23:55	0.005 08:10	0.032	0.019	2505		
08/01/2021	23:55	1.26 08:25	1.33	1.29	02:25	0.09 07:10	0.48	0.23	02:25	0.005 07:10	0.029	0.014	1871		
08/02/2021	20:45	1.26 10:15	1.31	1.27	07:05	0.08 01:40	0.53	0.21	07:05	0.005 01:40	0.031	0.012	1649		
08/03/2021	14:35	1.25 20:55	1.35	1.29	05:35	0.08 12:30	0.61	0.20	05:35	0.005 12:30	0.037	0.012	1653		
08/04/2021	05:20	1.25 10:00	1.31	1.27	03:00	0.09 16:55	0.50	0.19	03:00	0.005 09:30	0.030	0.011	1526		
08/05/2021	07:35	1.25 19:40	1.33	1.28	16:30	0.08 15:30	0.54	0.19	16:30	0.005 15:30	0.032	0.011	1534		
08/06/2021	19:15	1.25 22:05	4.59	1.45	15:05	0.09 21:55	2.82	0.33	15:05	0.006 22:00	1.049	0.051	6785		0.13
08/07/2021	23:00	1.28 00:00	1.95	1.37	23:45	0.13 00:15	0.78	0.43	23:45	0.008 00:00	0.085	0.029	3923		
08/08/2021	07:05	1.26 17:05	1.33	1.28	02:20	0.13 04:45	0.70	0.40	02:20	0.007 04:45	0.042	0.024	3224		0.01
08/09/2021	07:15	1.24 10:00	11.16	2.22	05:20	0.12 21:00	3.88	0.90	05:20	0.007 10:00	4.679	0.299	39985		1.42
08/10/2021	15:10	1.44 20:05	17.69	2.21	15:15	0.27 20:15	3.64	0.71	15:15	0.020 20:05	8.276	0.287	38376		0.91
08/11/2021	23:55	1.57 12:15	2.42	1.80	23:20	0.36 12:00	1.53	0.64	23:20	0.029 12:10	0.234	0.068	9025		0.08
08/12/2021	15:10	1.48 02:25	1.59	1.52	23:40	0.20 06:25	0.59	0.33	23:40	0.015 06:25	0.046	0.026	3434		
08/13/2021	23:30	1.39 06:25	1.49	1.44	19:30	0.13 20:20	0.49	0.26	19:30	0.009 20:20	0.034	0.018	2451		
08/14/2021	23:20	1.34 06:45	1.45	1.39	21:15	0.10 12:50	0.48	0.21	21:15	0.006 12:50	0.033	0.014	1876		
08/15/2021	05:30	1.34 07:35	1.41	1.35	00:35	0.09 18:15	0.51	0.18	00:35	0.006 18:15	0.033	0.012	1597		
08/16/2021	23:55	1.32 07:45	1.38	1.35	16:40	0.10 19:45	0.37	0.18	16:40	0.006 19:45	0.024	0.012	1602		
08/17/2021	00:20	1.32 14:10	1.47	1.36	12:50	0.08 16:20	0.47	0.20	12:50	0.006 16:20	0.030	0.013	1739		
08/18/2021	13:20	1.30 07:35	1.36	1.31	03:20	0.07 19:05	0.51	0.16	03:20	0.005 19:05	0.032	0.010	1317		
08/19/2021	02:25	1.30 07:15	1.35	1.31	18:40	0.09 06:45	0.63	0.16	18:40	0.005 06:45	0.040	0.010	1322		
08/20/2021	06:30	1.30 13:20	1.32	1.31	01:50	0.08 14:05	0.49	0.16	01:50	0.005 14:05	0.031	0.010	1312		
08/21/2021	22:00	1.26 00:00	1.31	1.27	07:00	0.08 00:00	0.16	0.13	07:00	0.005 00:00	0.010	0.008	1023		
08/22/2021	15:00	1.26 02:00	1.32	1.28	05:35	0.08 17:30	0.34	0.14	05:35	0.005 17:30	0.021	0.008	1091		
08/23/2021	06:25	1.24 23:55	1.32	1.27	19:15	0.08 06:30	0.67	0.16	19:15	0.005 06:30	0.039	0.009	1256		
08/24/2021	17:10	1.27 18:10	8.88	1.79	00:30	0.09 18:10	3.38	0.46	14:30	0.006 18:10	3.515	0.138	18505		1.71
08/25/2021	08:35	1.40 00:10	1.64	1.48	05:05	0.26 01:25	0.90	0.45	05:05	0.019 01:25	0.072	0.034	1861		0.09
08/26/2021															0.01
08/27/2021															
08/28/2021															0.09
08/29/2021															0.09
08/30/2021															
08/31/2021															

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			923083	11.87
Avg	1.57	0.32	0.047	

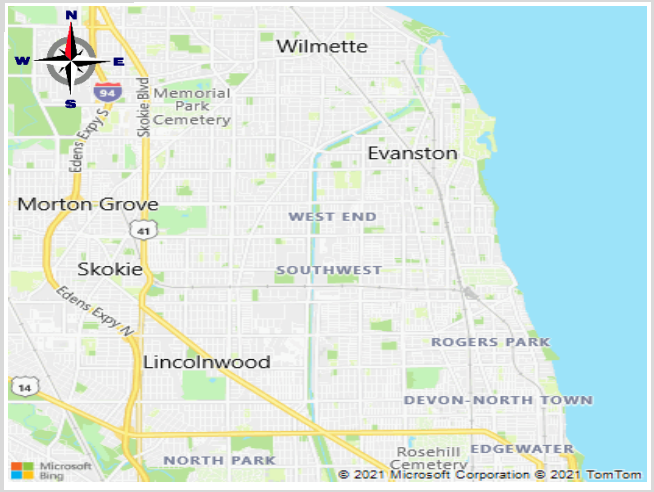
Evanston, IL

Flow Monitoring Site Report

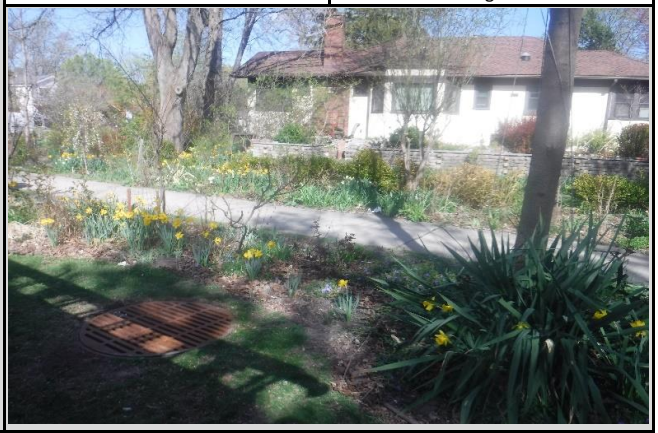
SITE NAME

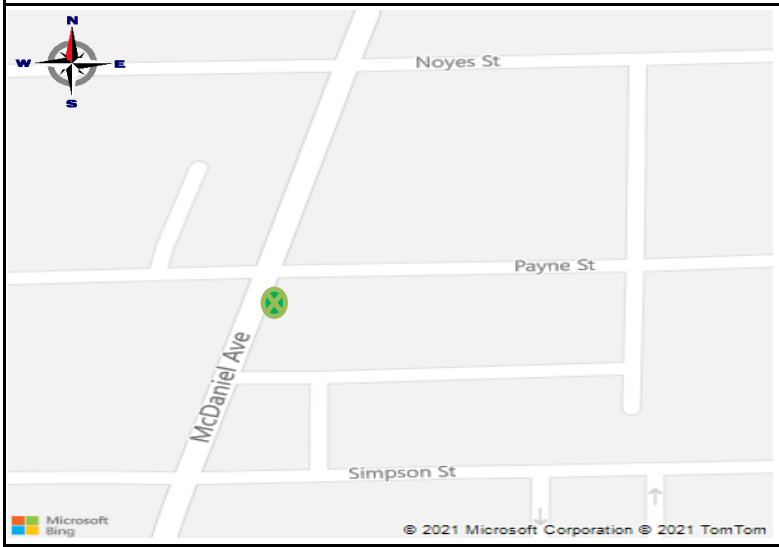
S0602300

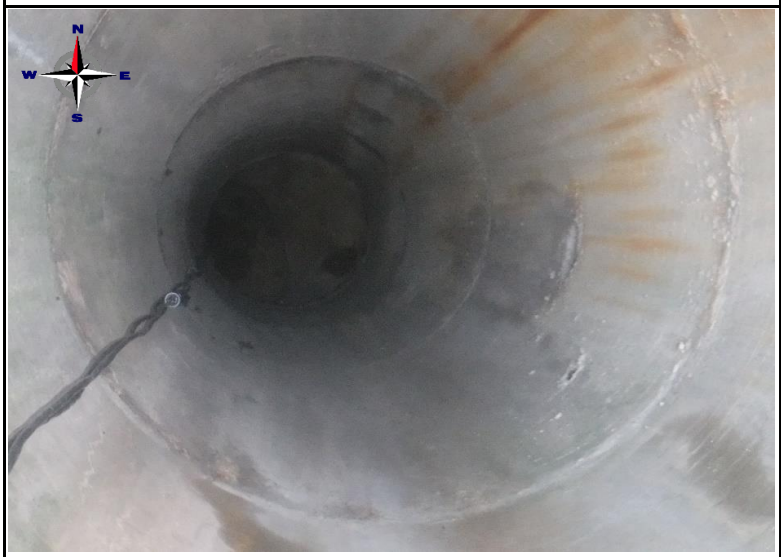
Site Address /Location:	Nearest Address: 2506 Payne St.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in grass	Latitude:	42.056424	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.708763	108 x 108	Circular



Manhole #	System Characteristics
S06_02300	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Tuesday, April 13, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
12:35:00 PM	108 x 108
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.00	105.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.03	0
Silt (in)	Silt Type
0	

Hydraulic Comments:
Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
45	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
36	48.5
Manhole Cover	Manhole Frame
Vented	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

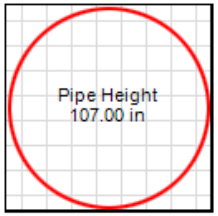
Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

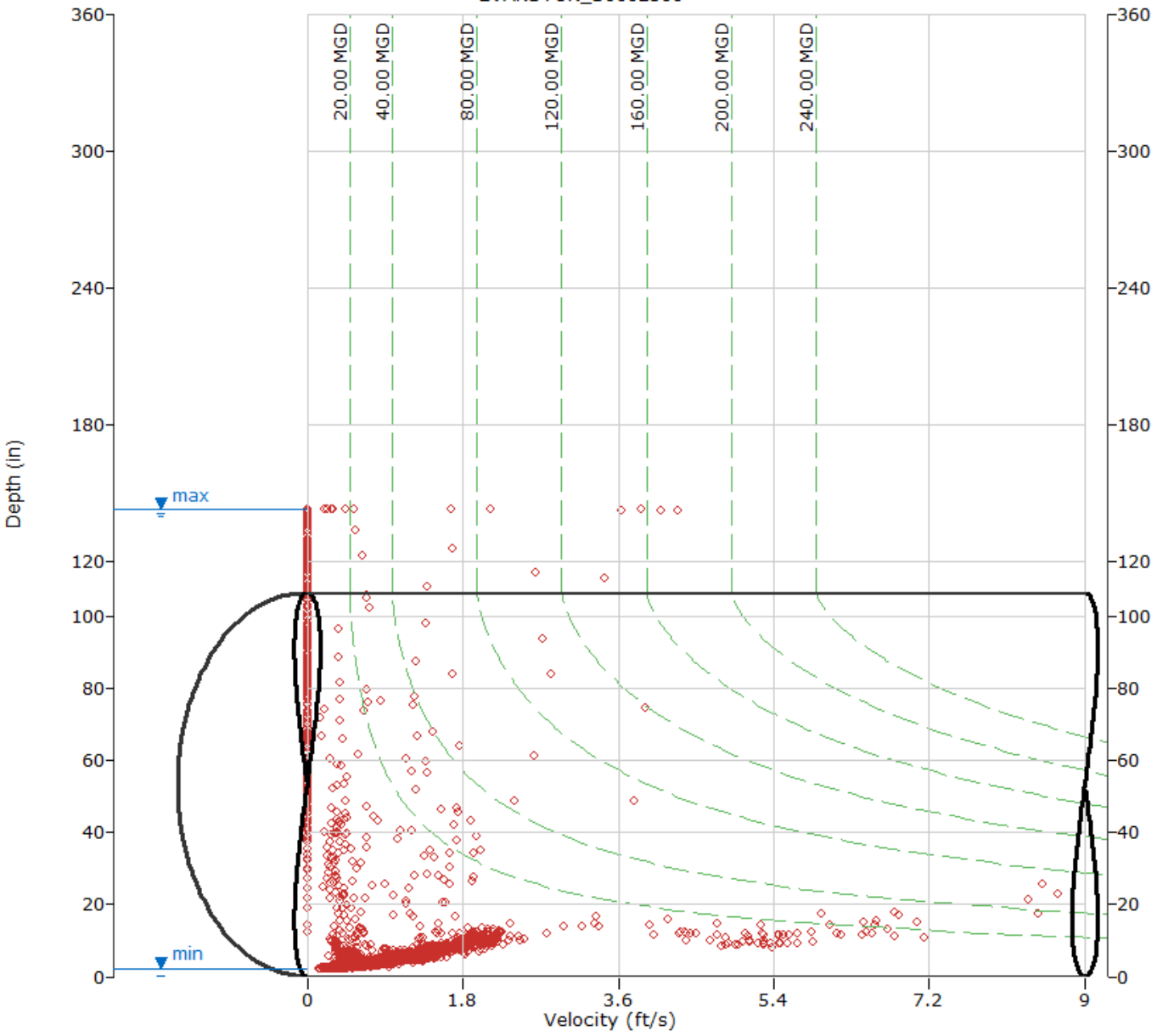


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



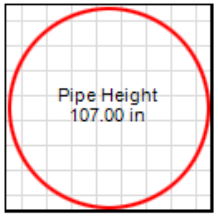
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

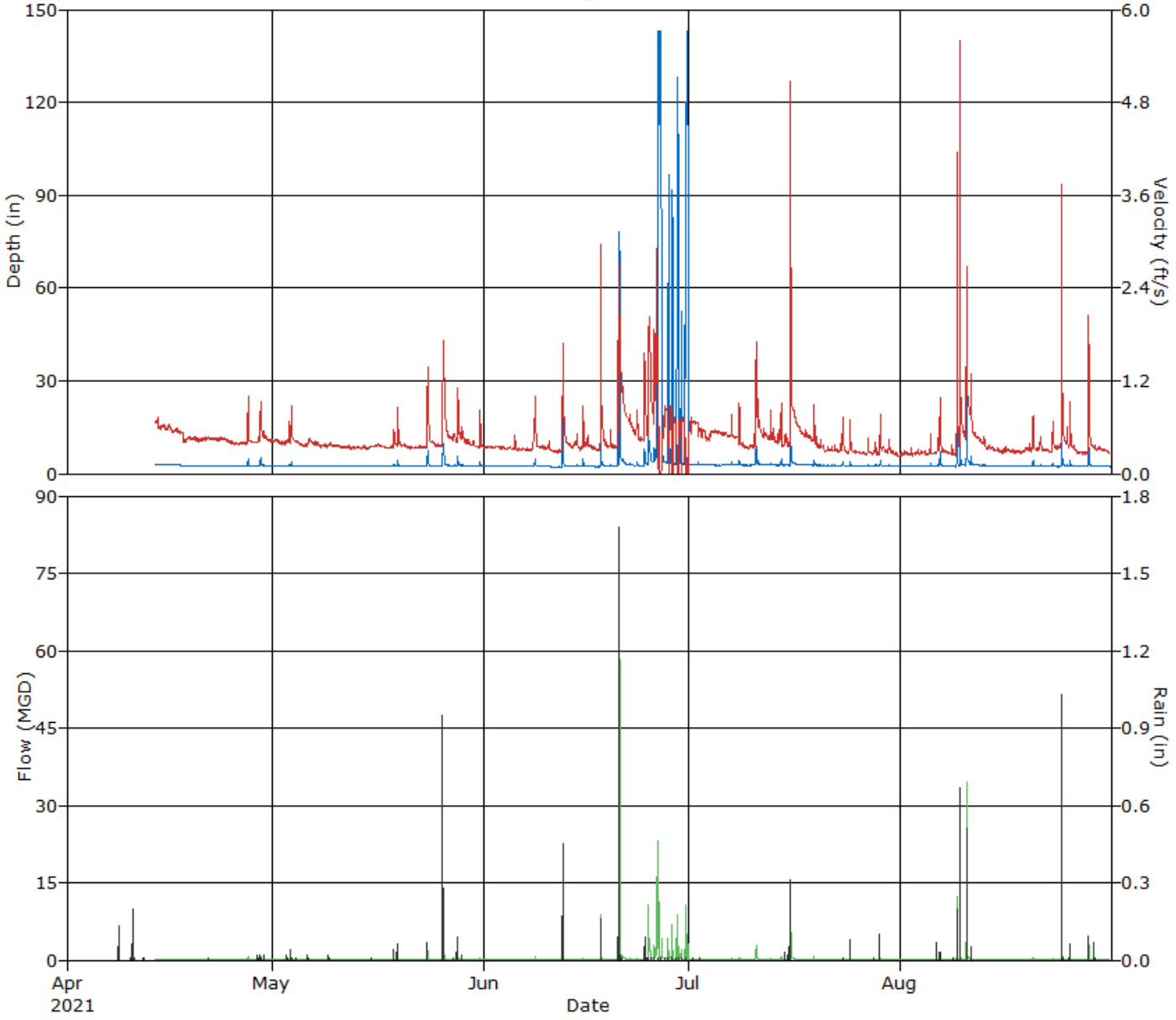


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



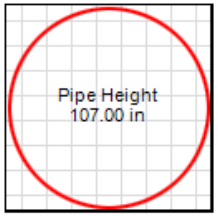
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

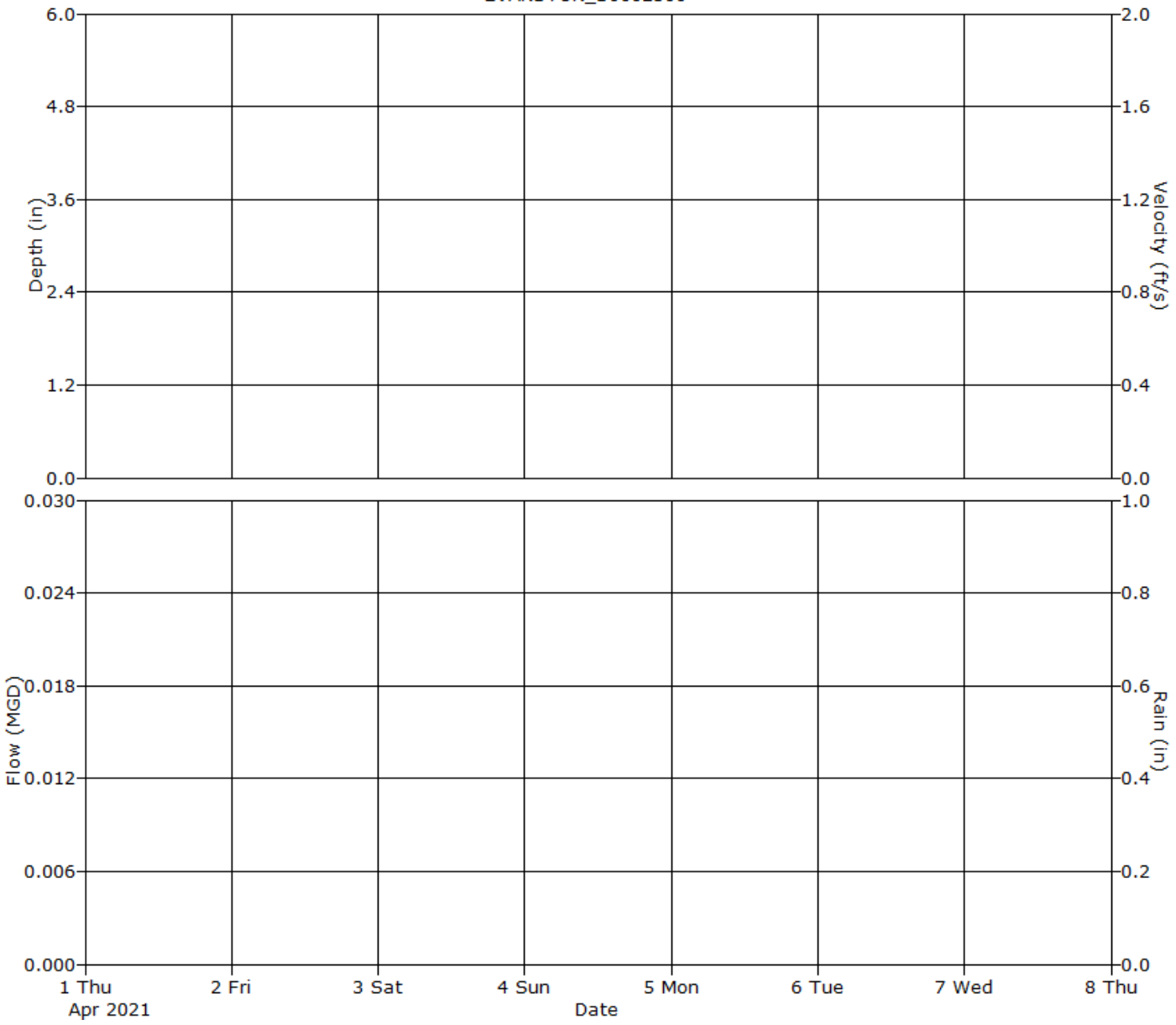


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



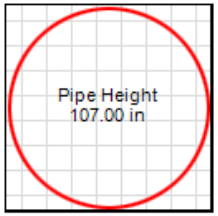
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

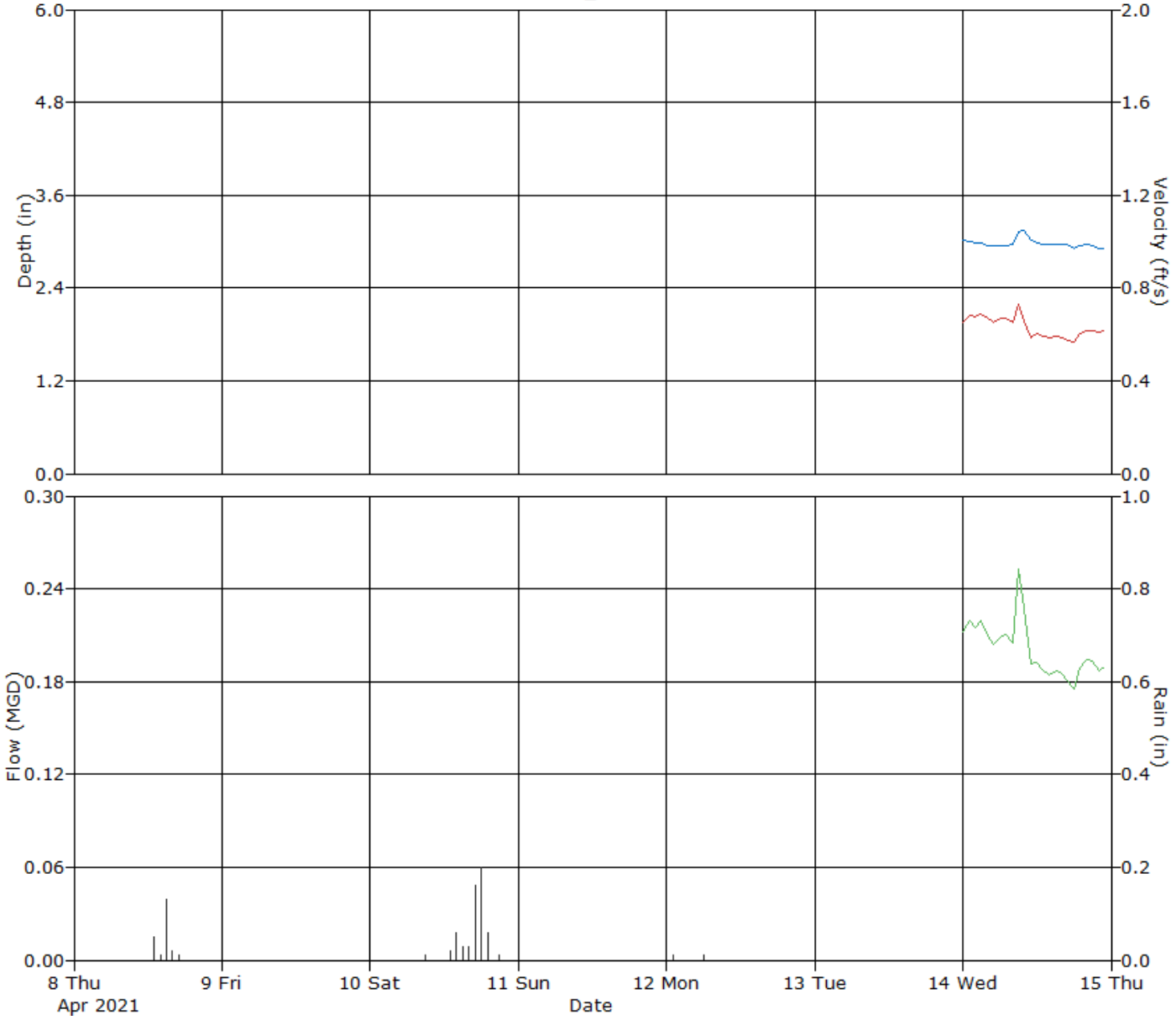


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



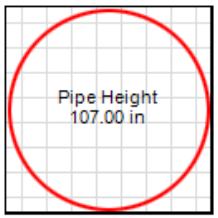
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

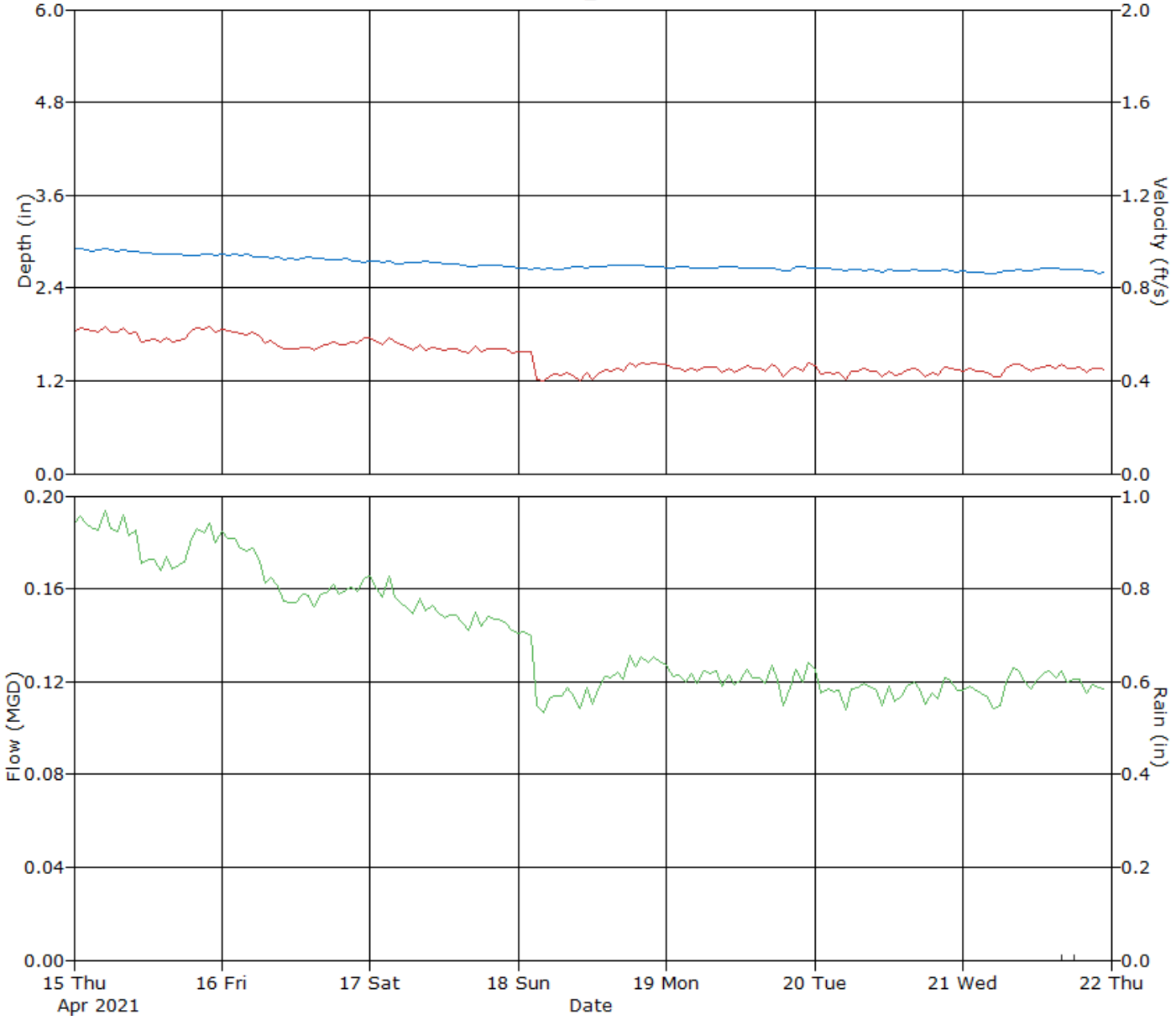


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



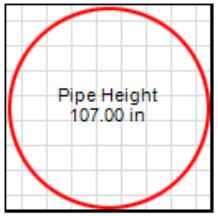
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

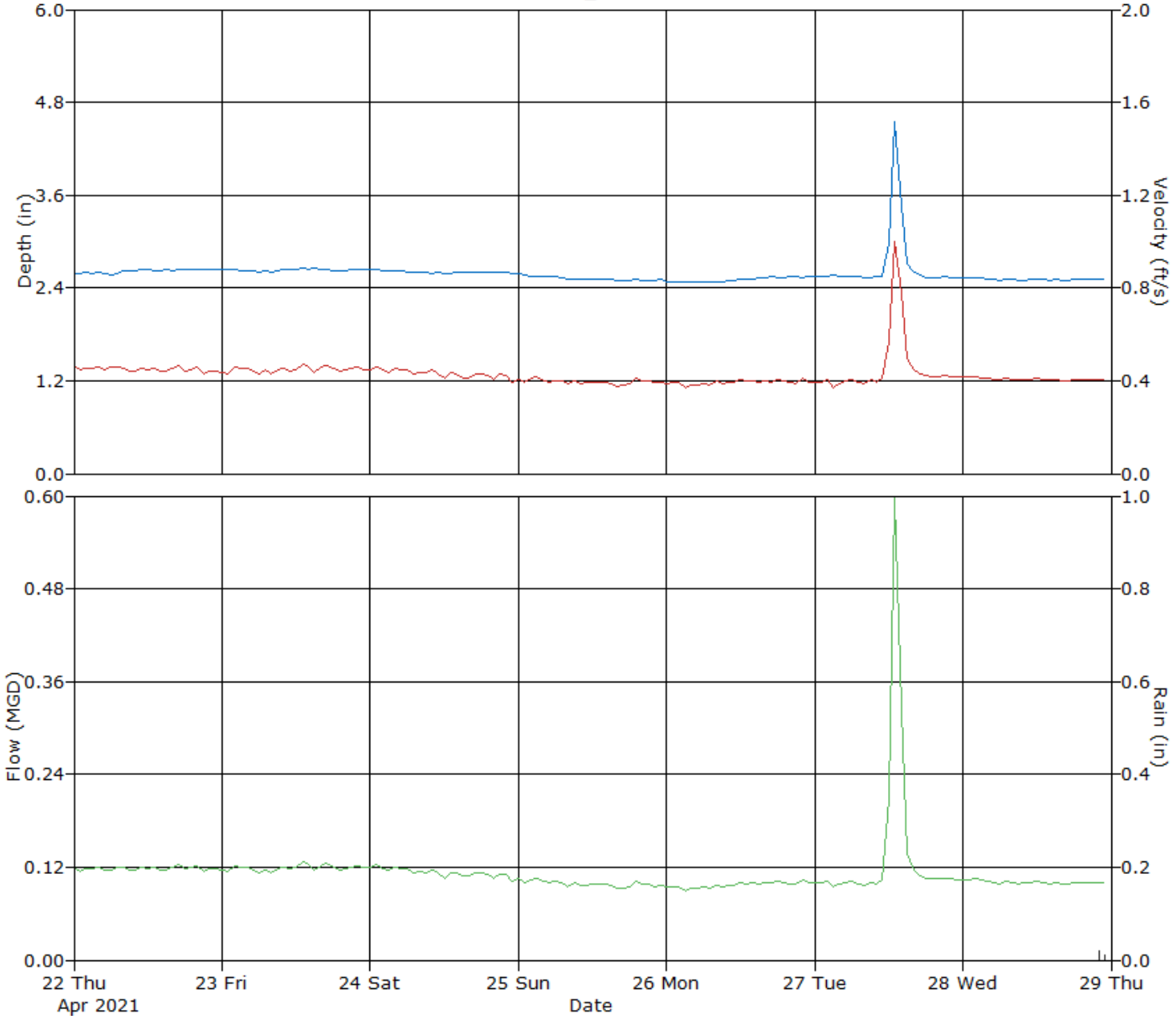


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



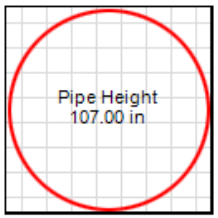
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

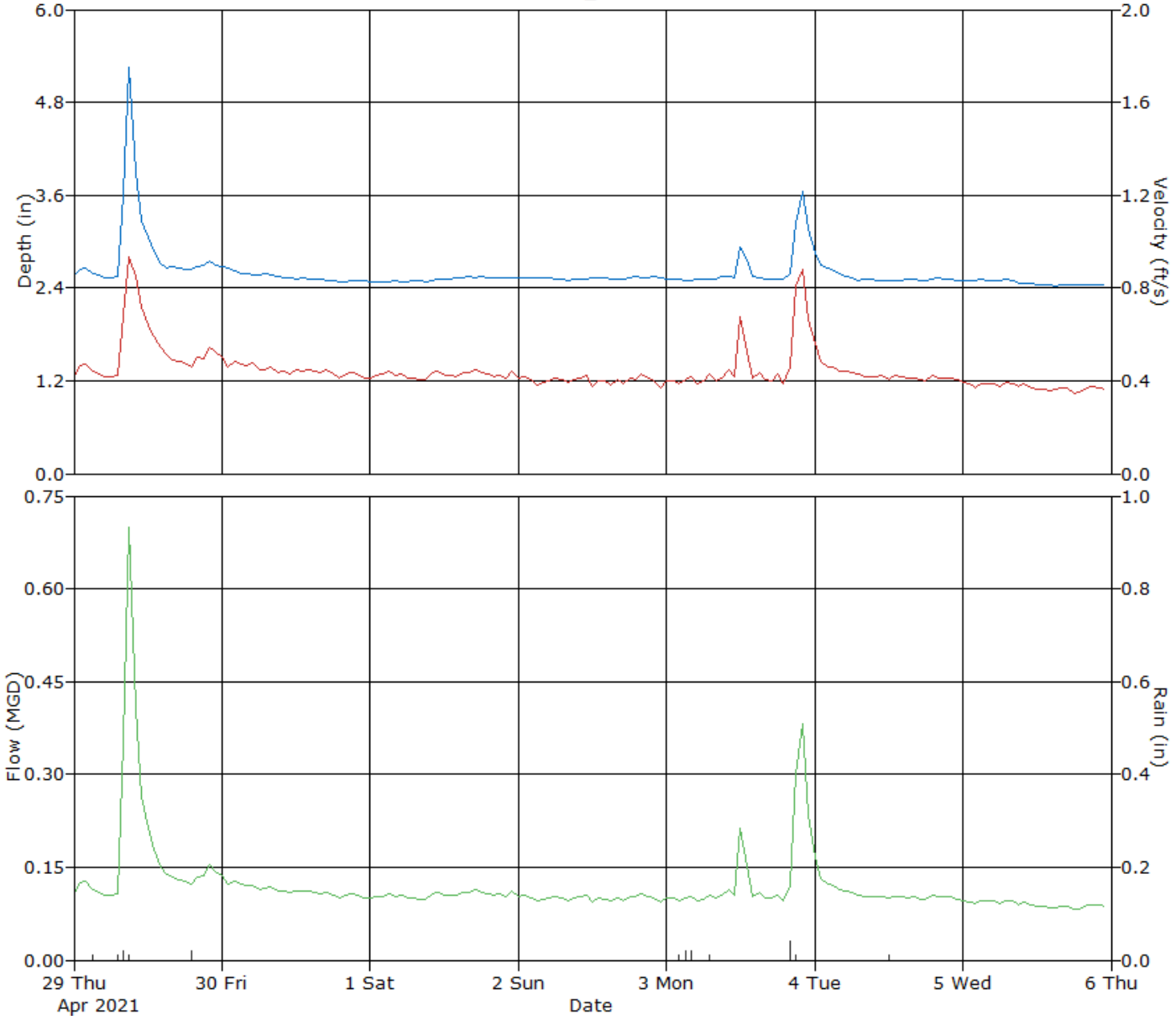


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



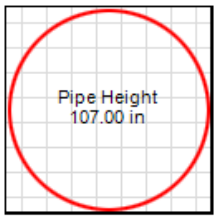
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

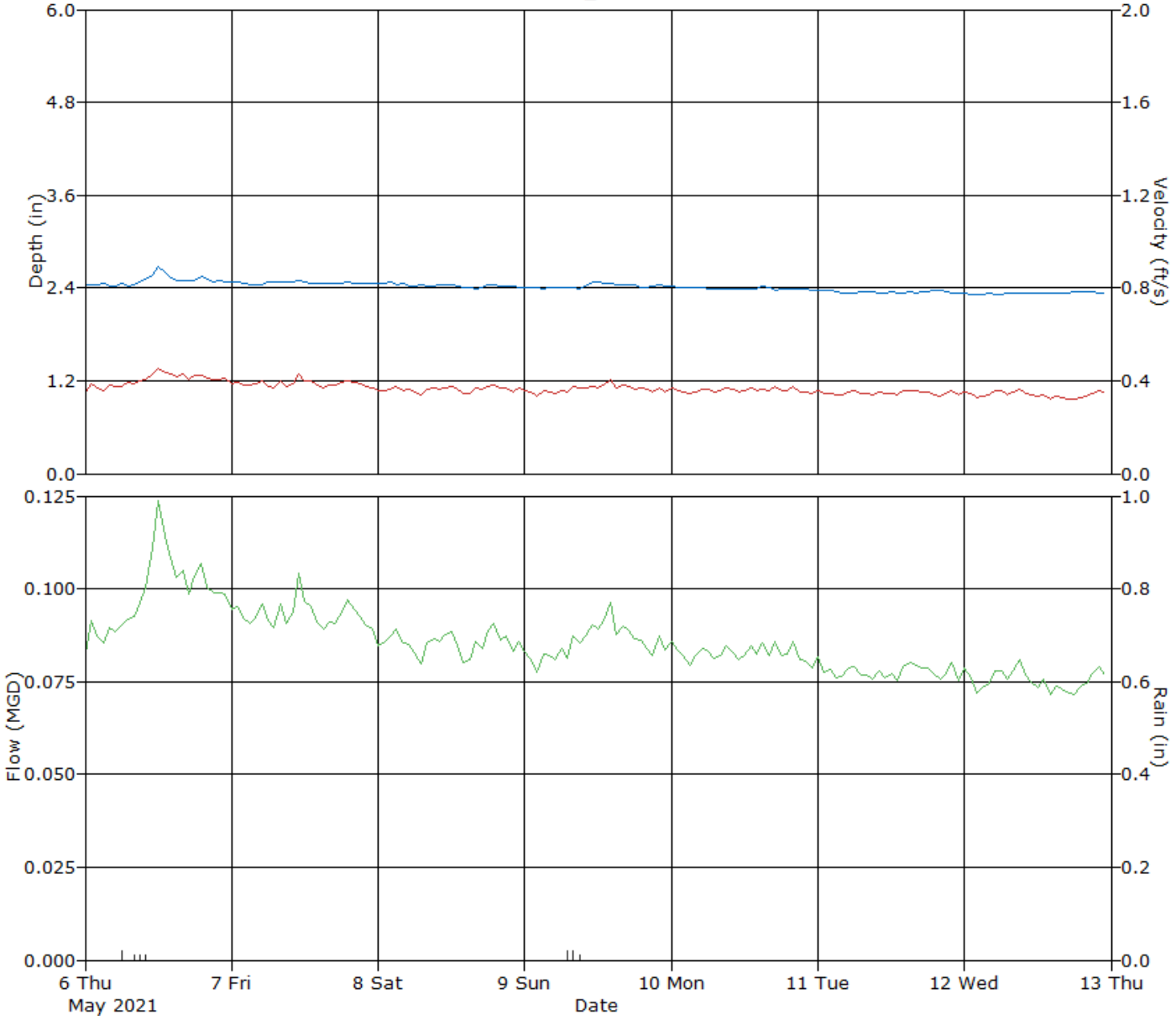


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



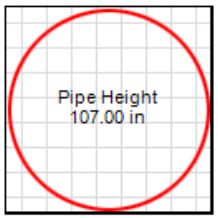
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

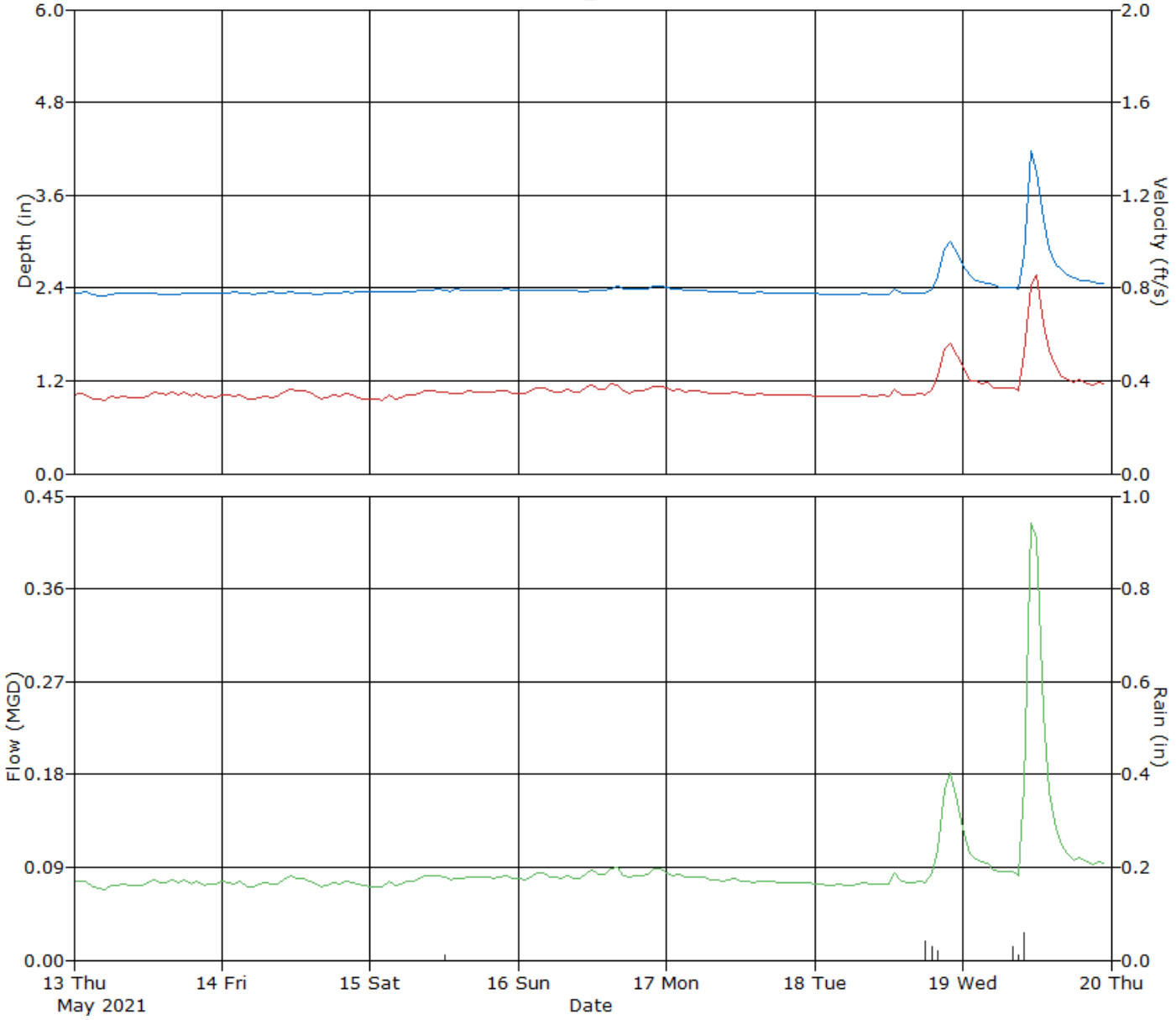


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



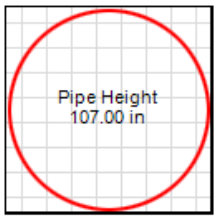
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

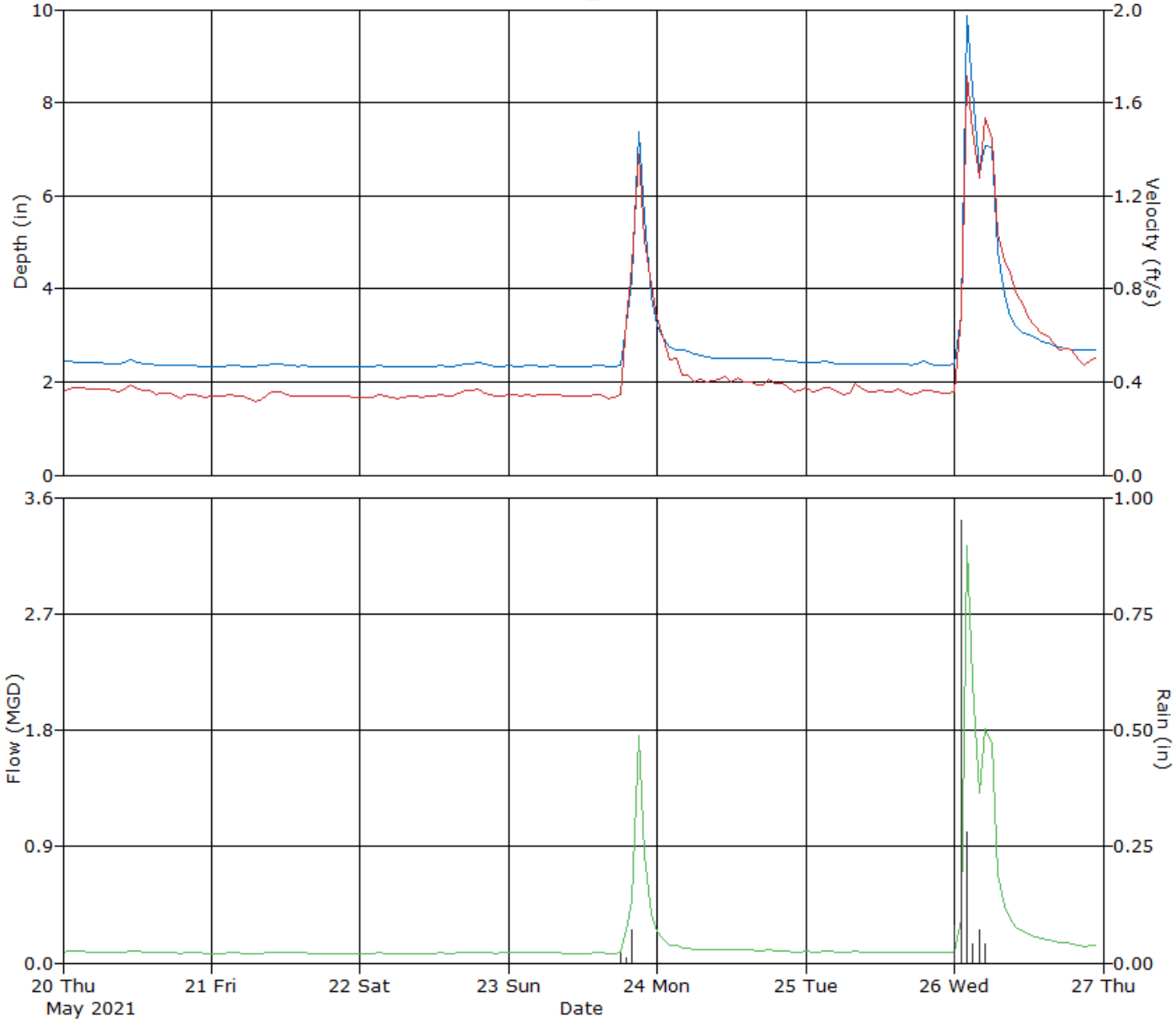


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



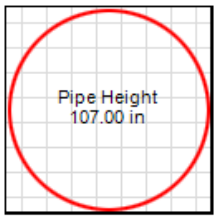
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

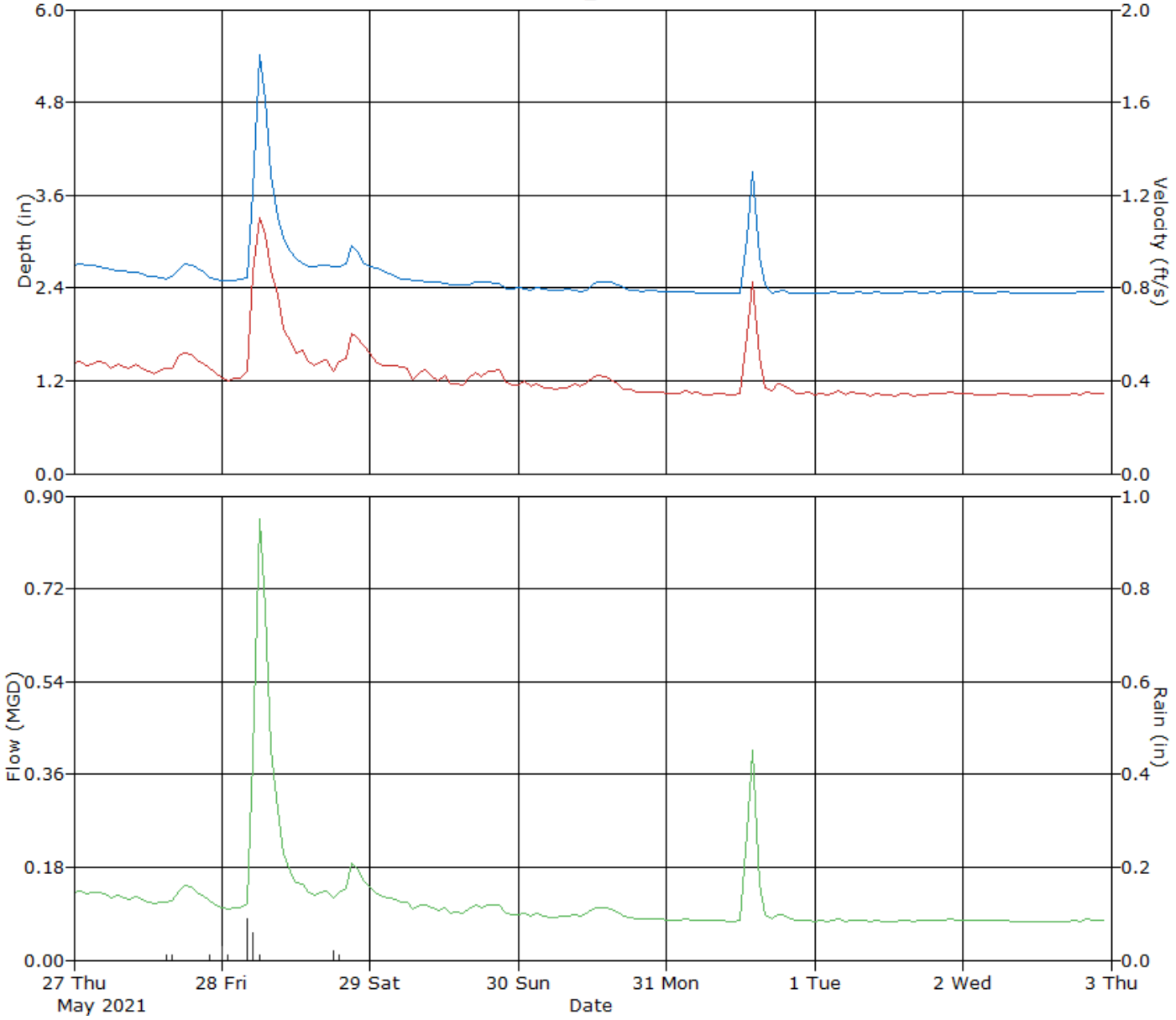


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



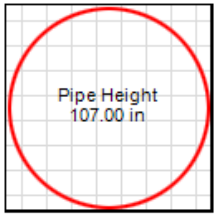
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

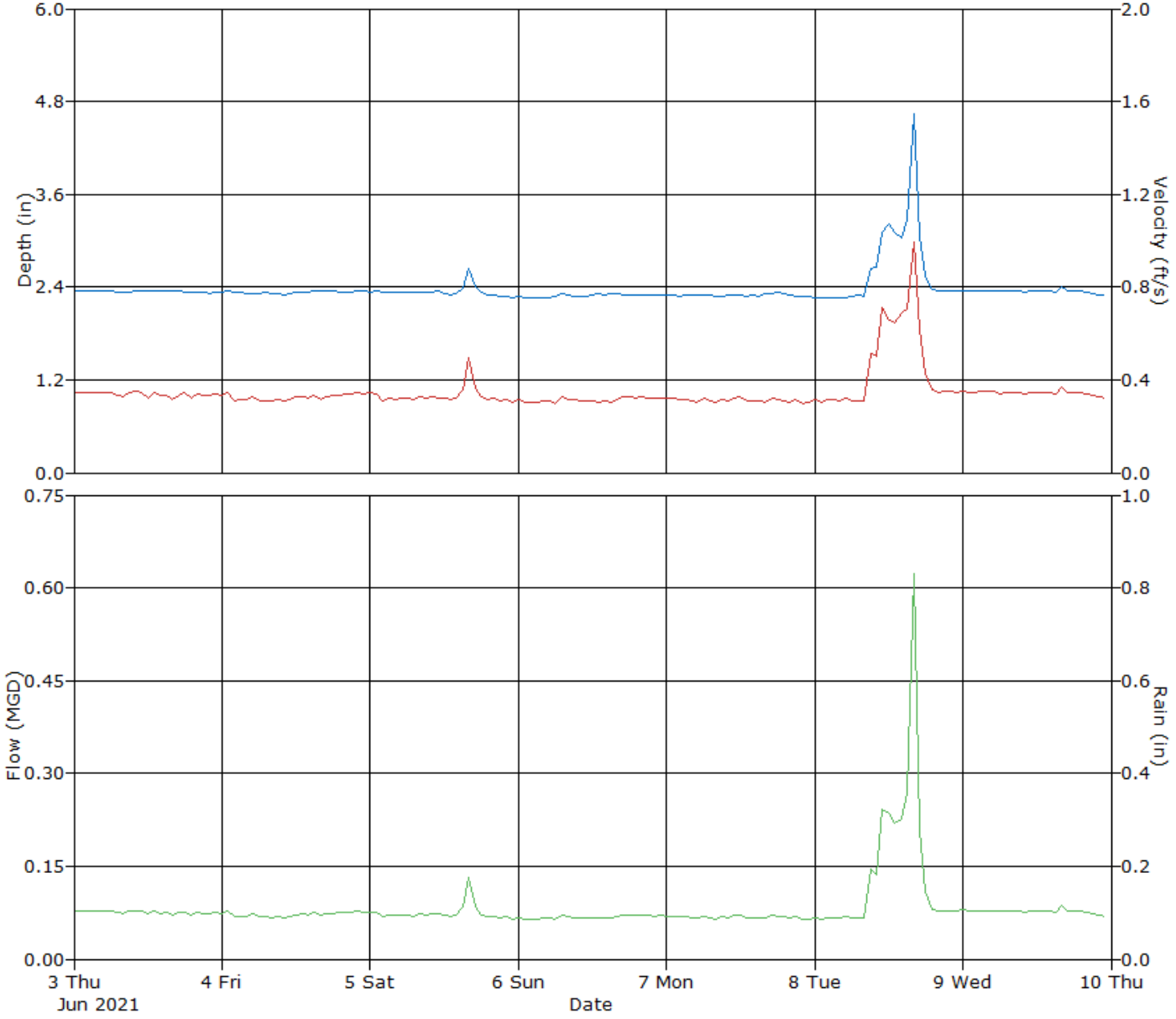


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



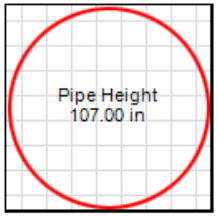
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

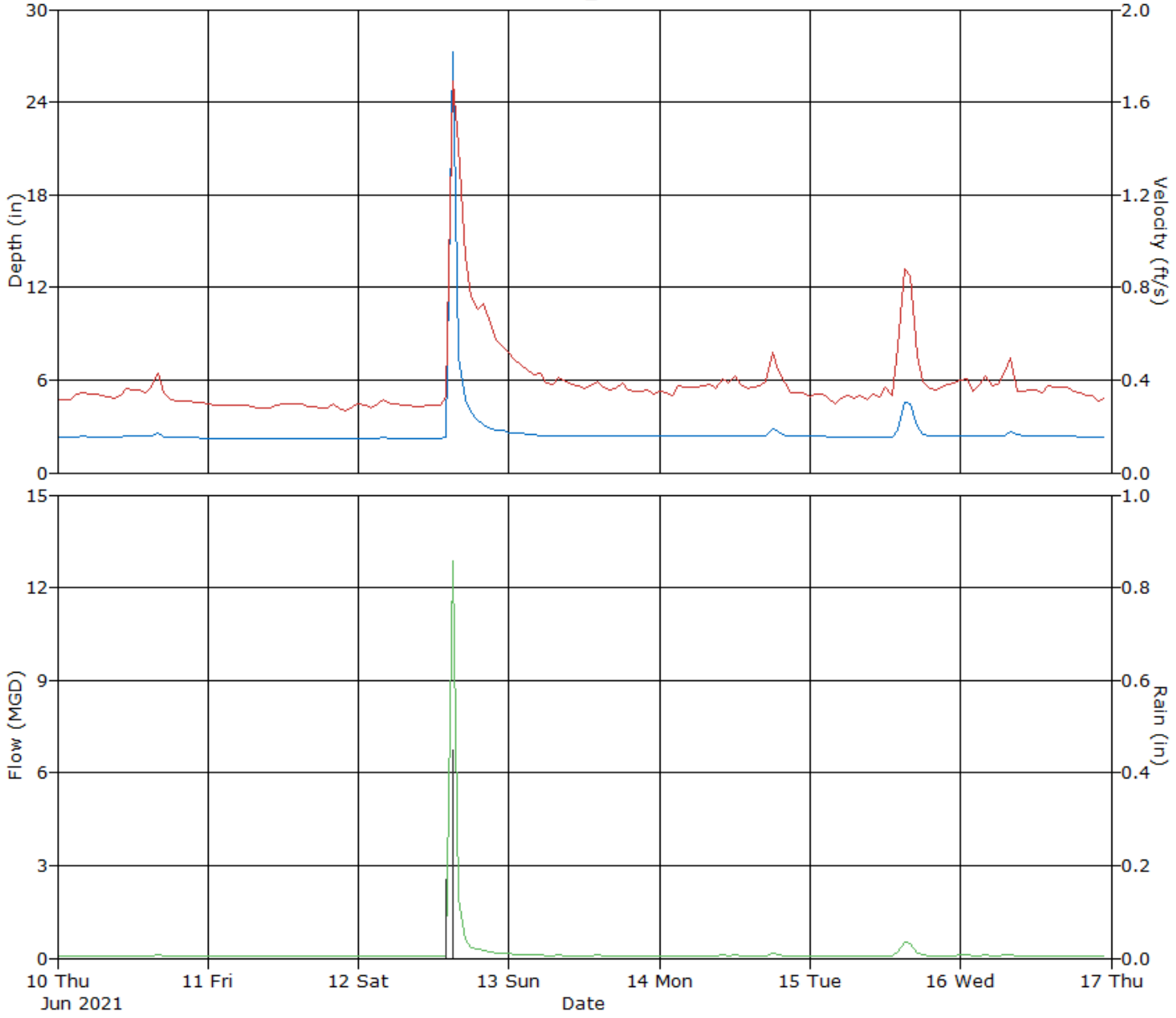


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



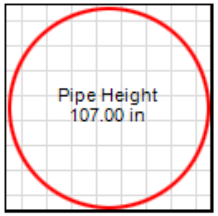
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

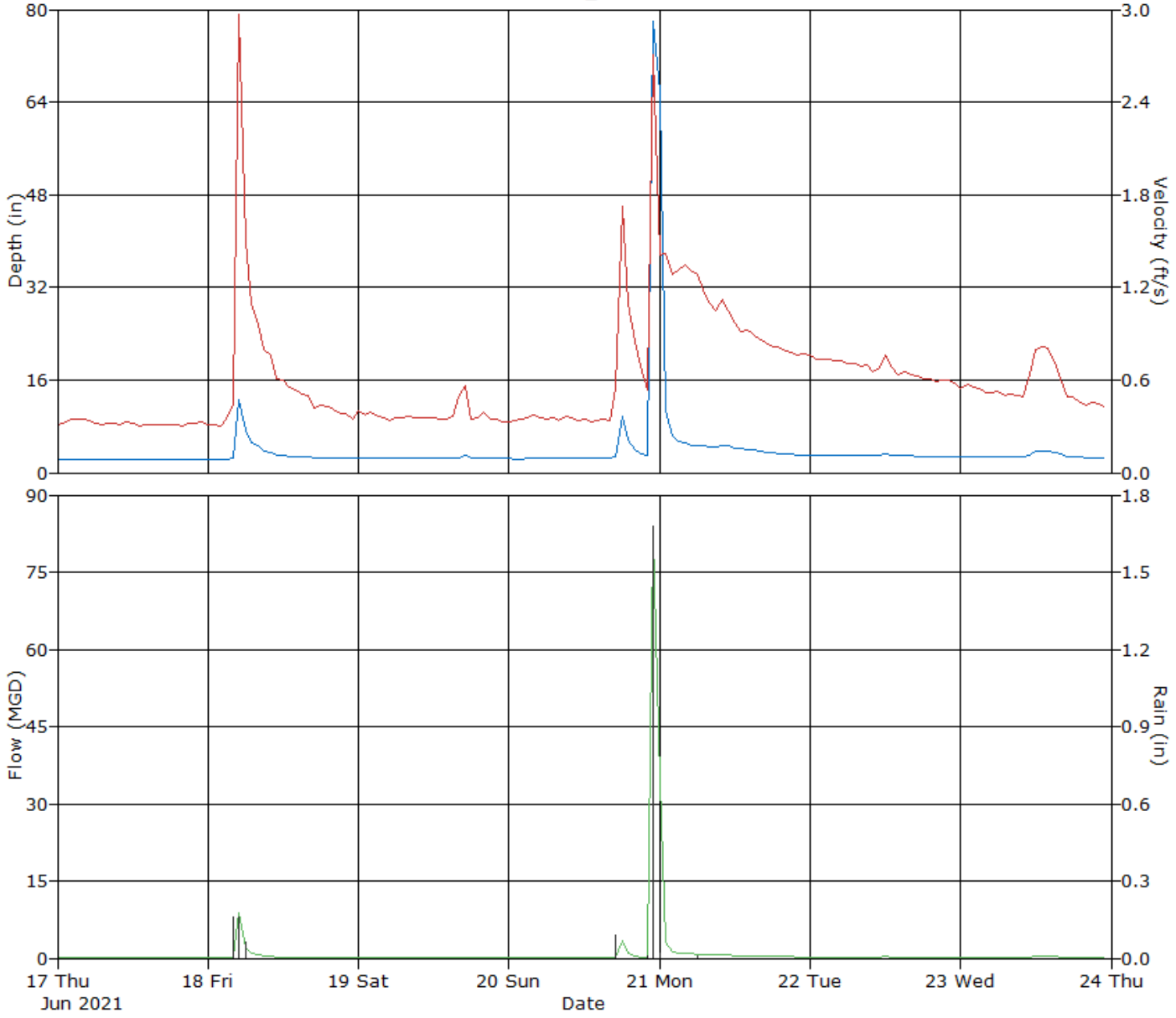


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

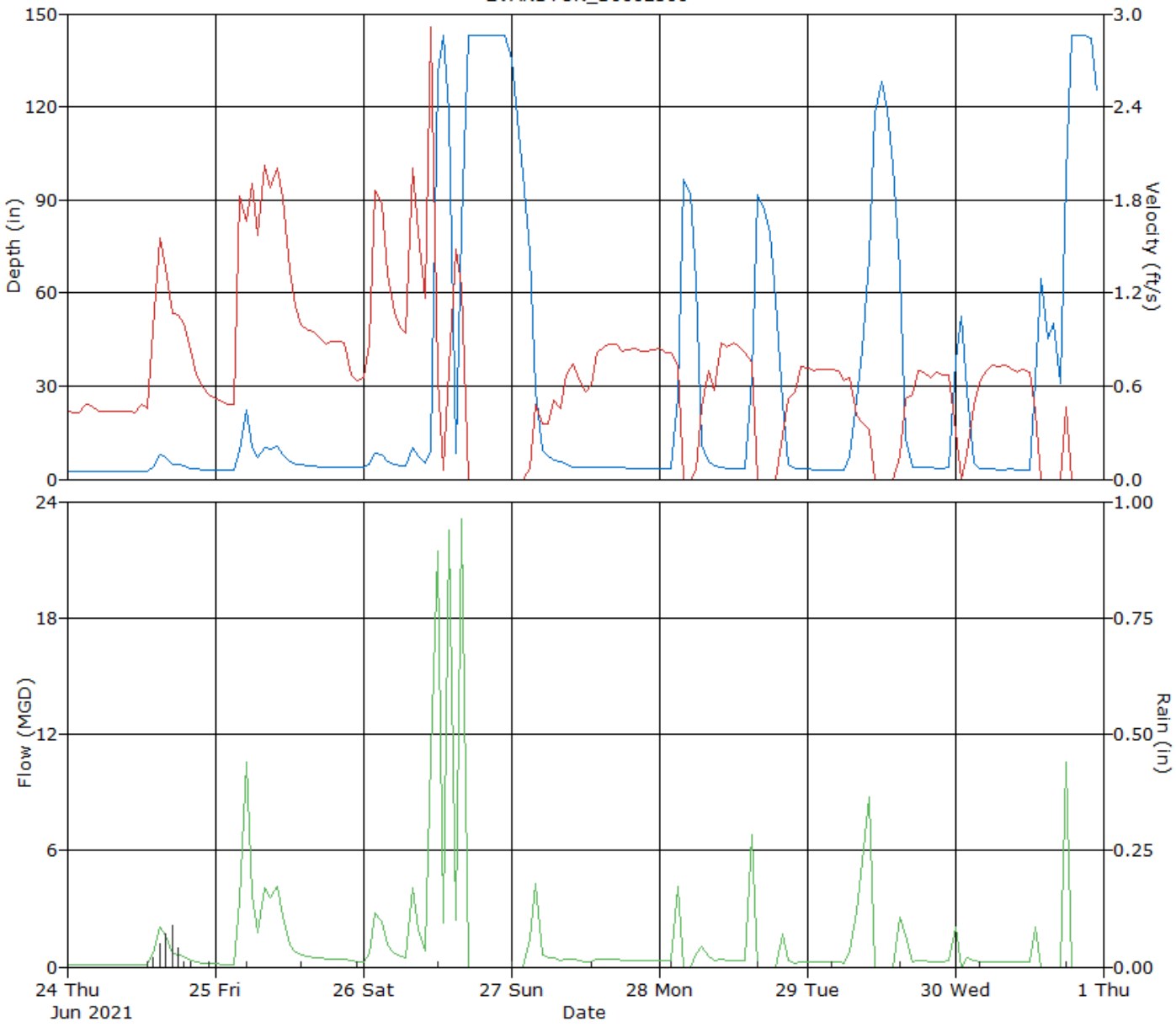
Pipe Height
107.00 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



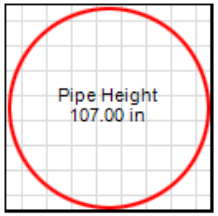
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

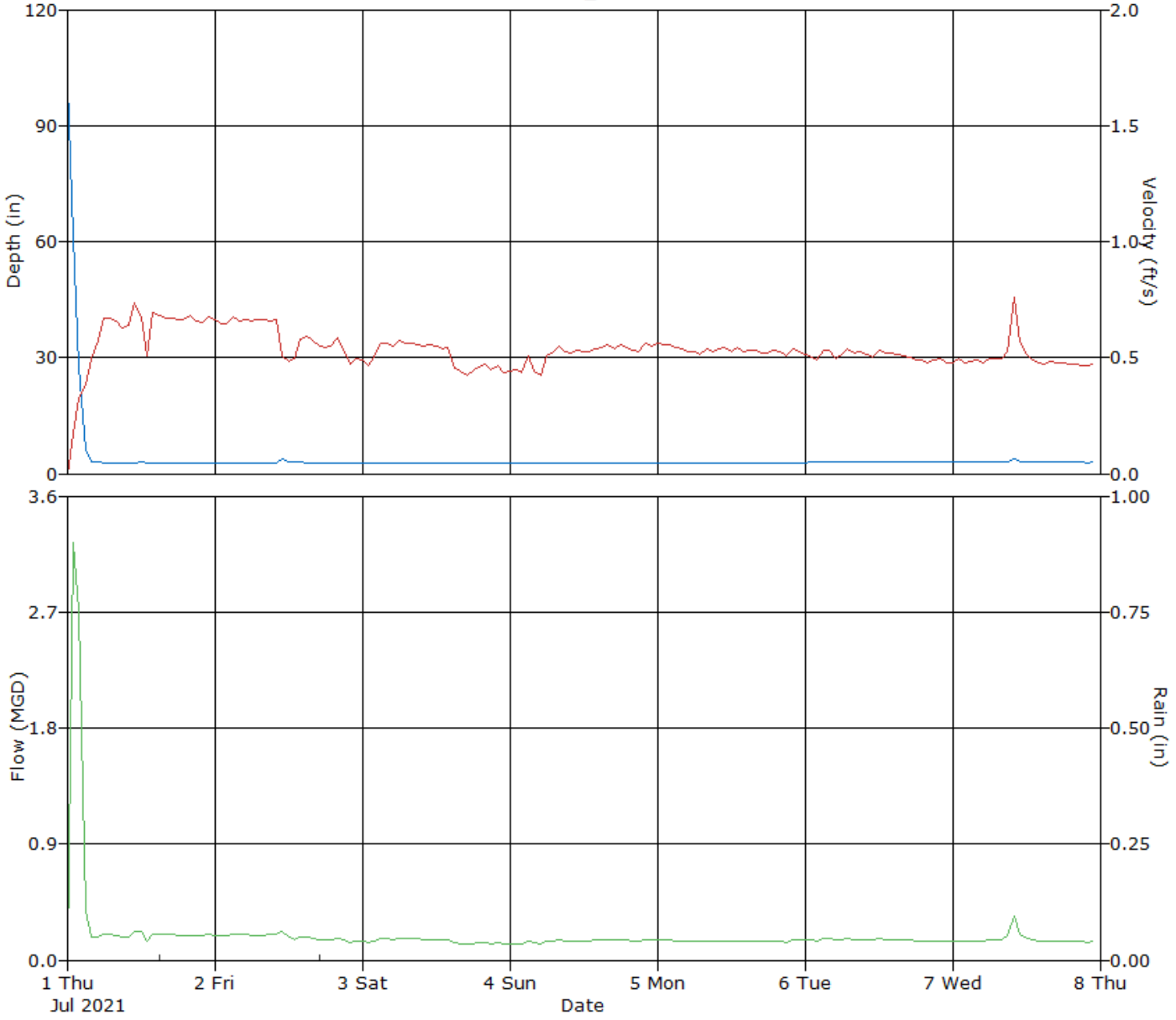


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



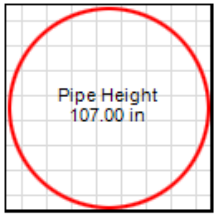
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

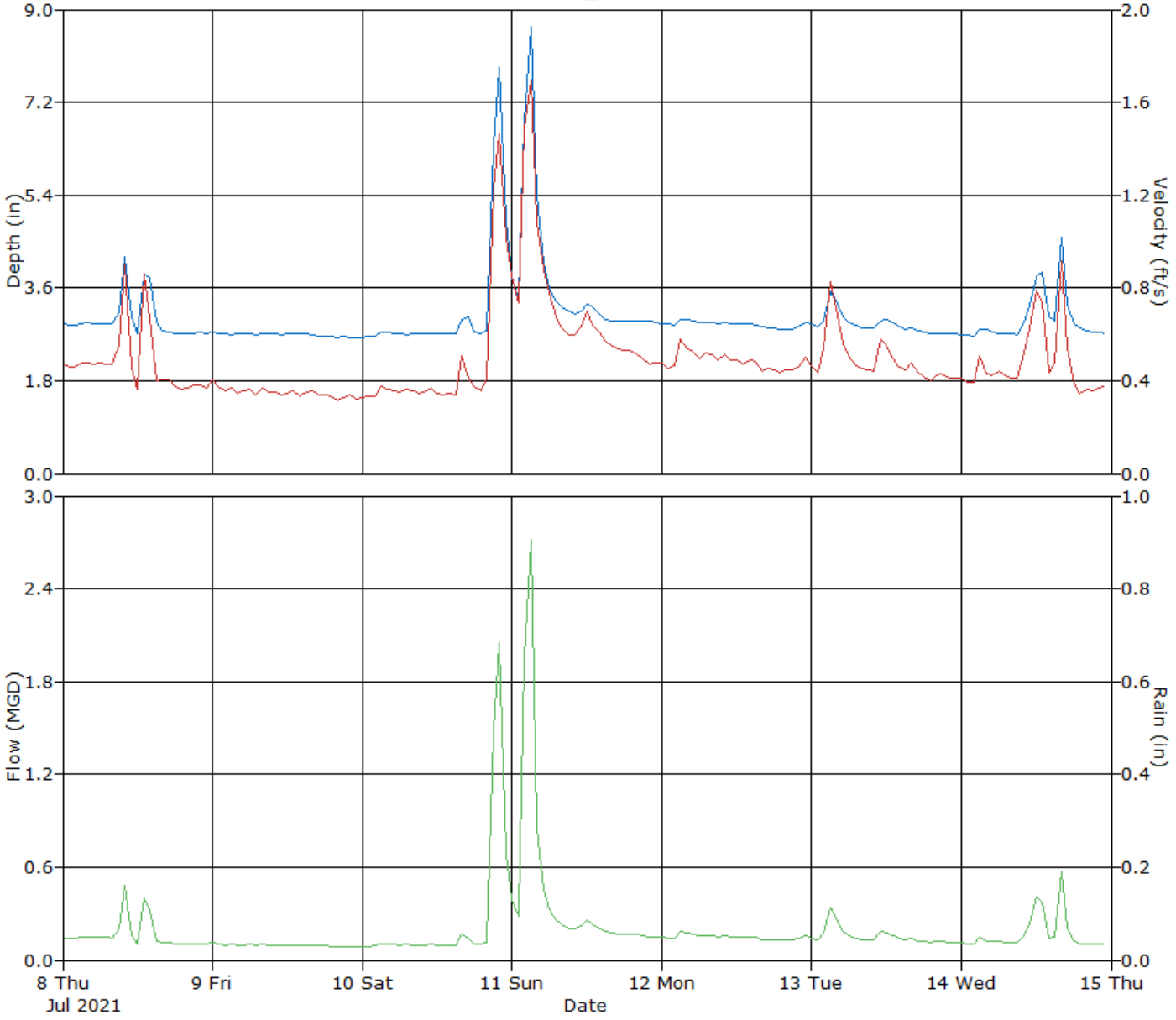


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

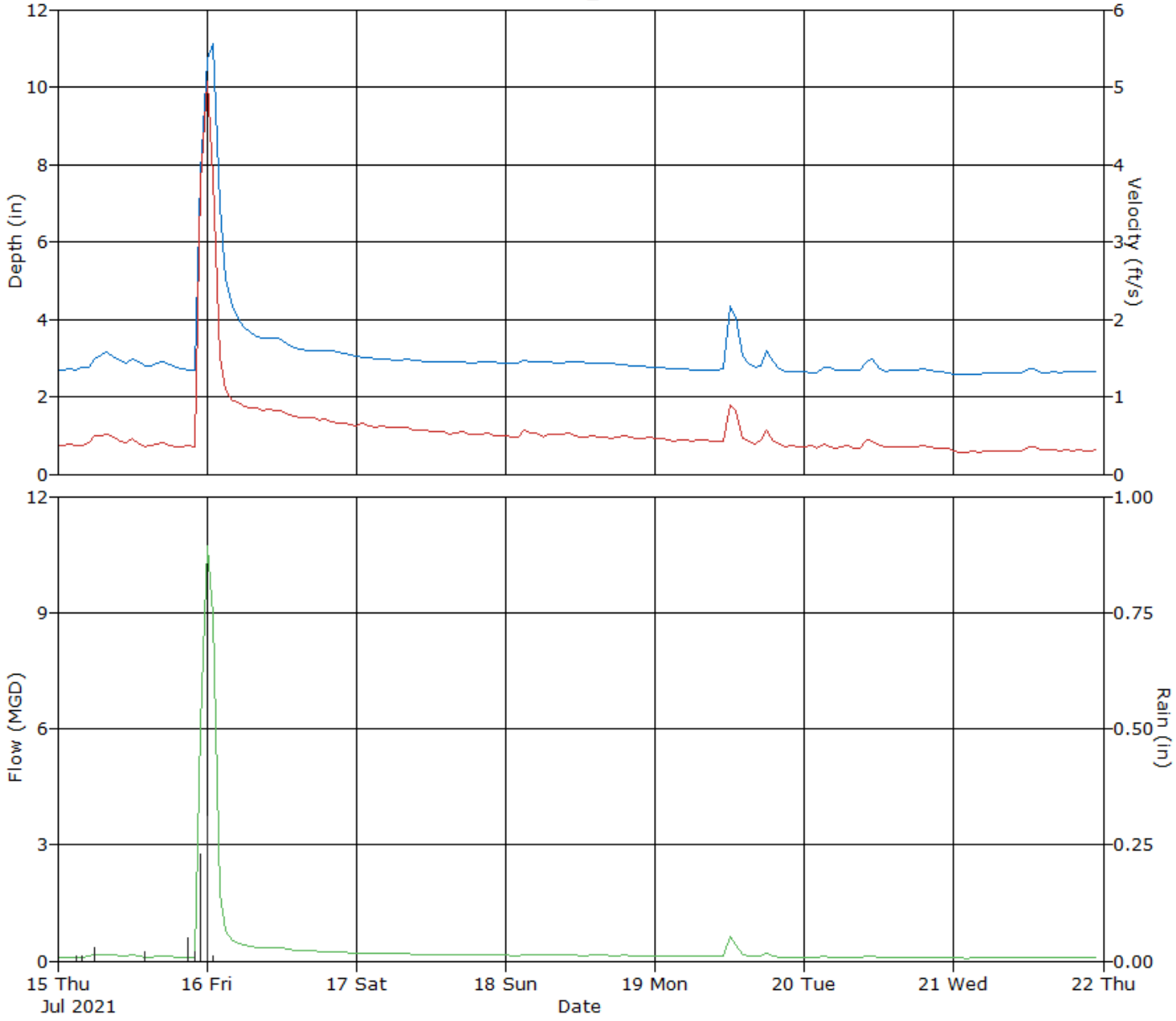
Pipe Height
107.00 in

Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



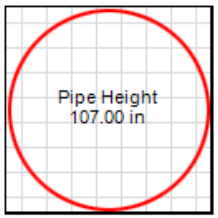
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300



Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



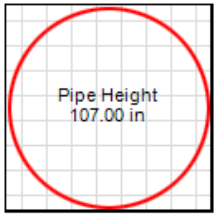
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

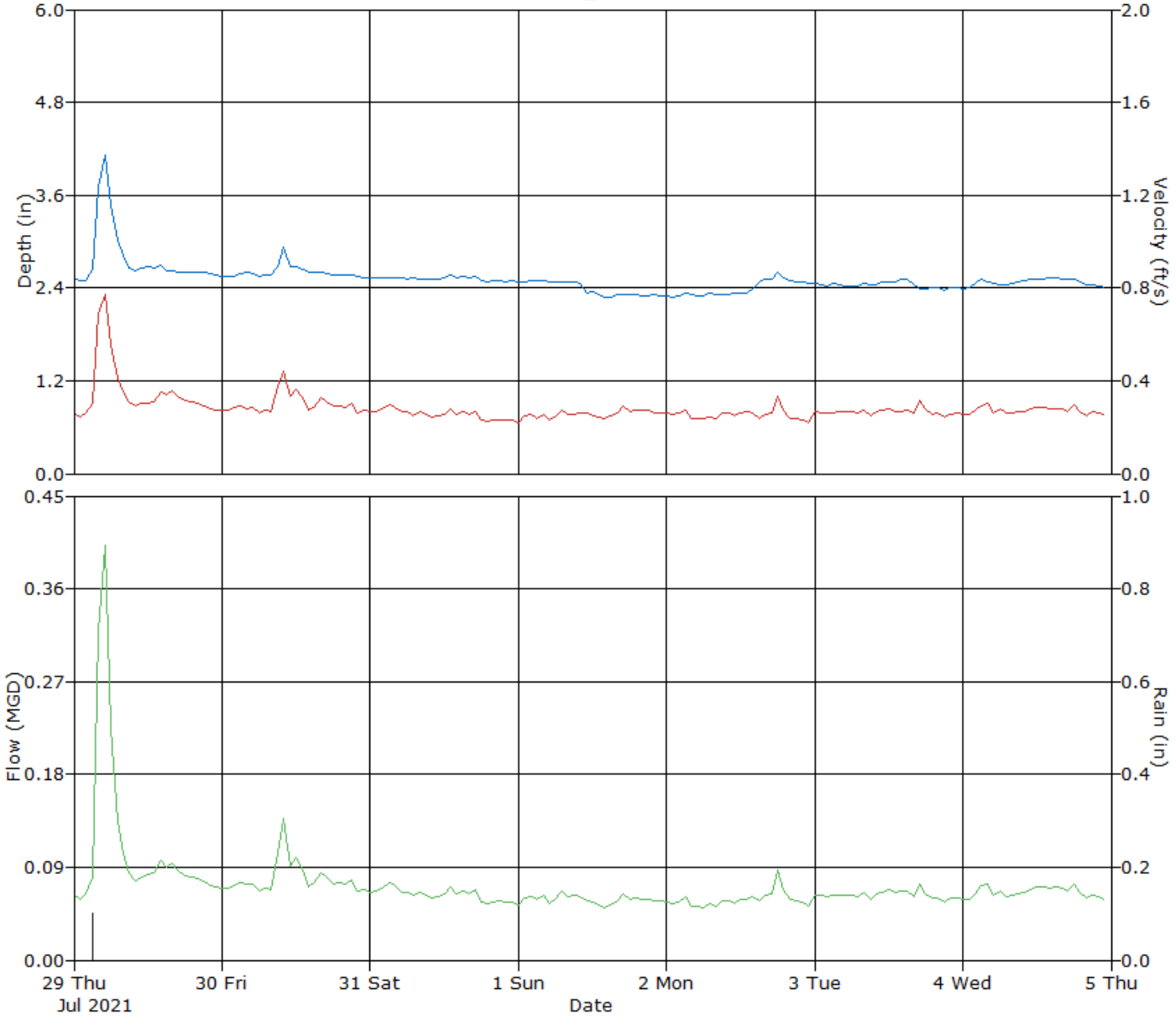


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



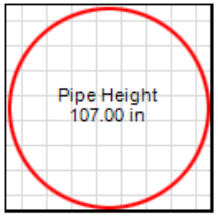
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

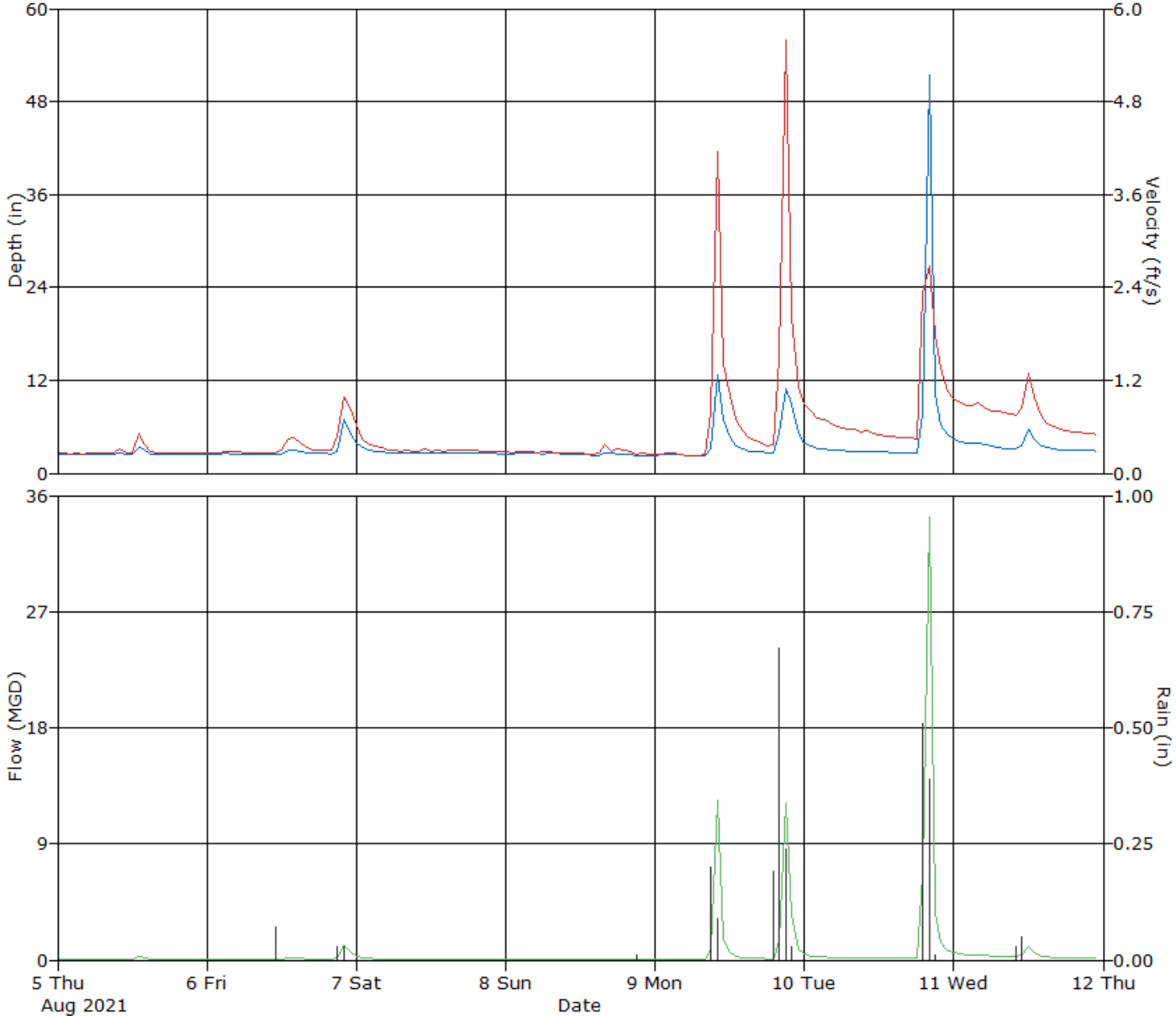


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



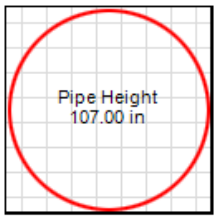
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300



Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



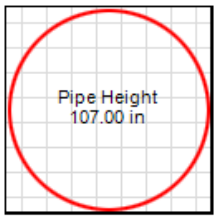
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

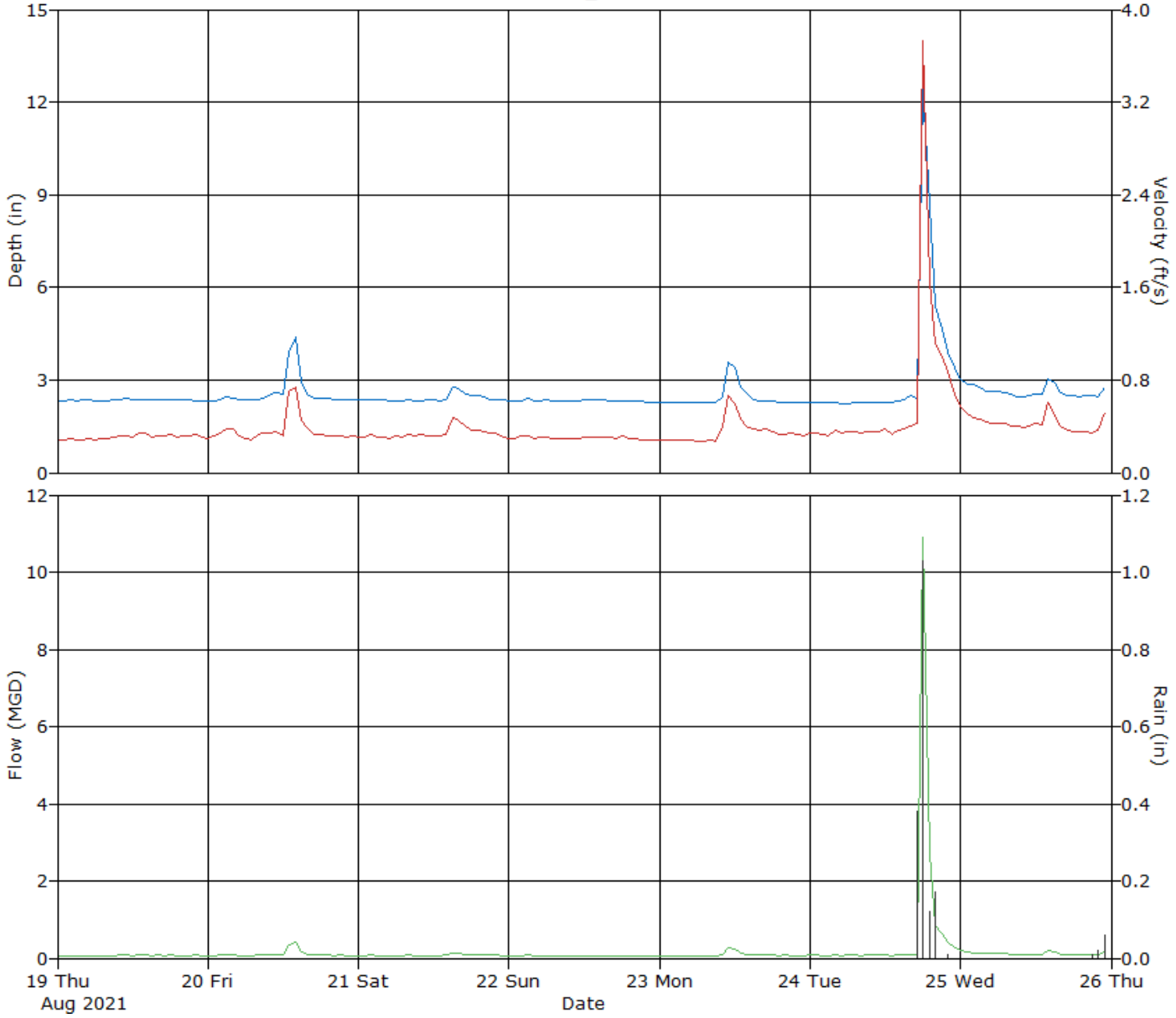


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



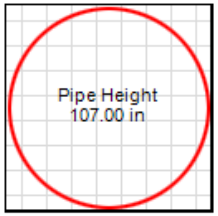
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0602300

Flow Monitor

EVANSTON_S0602300

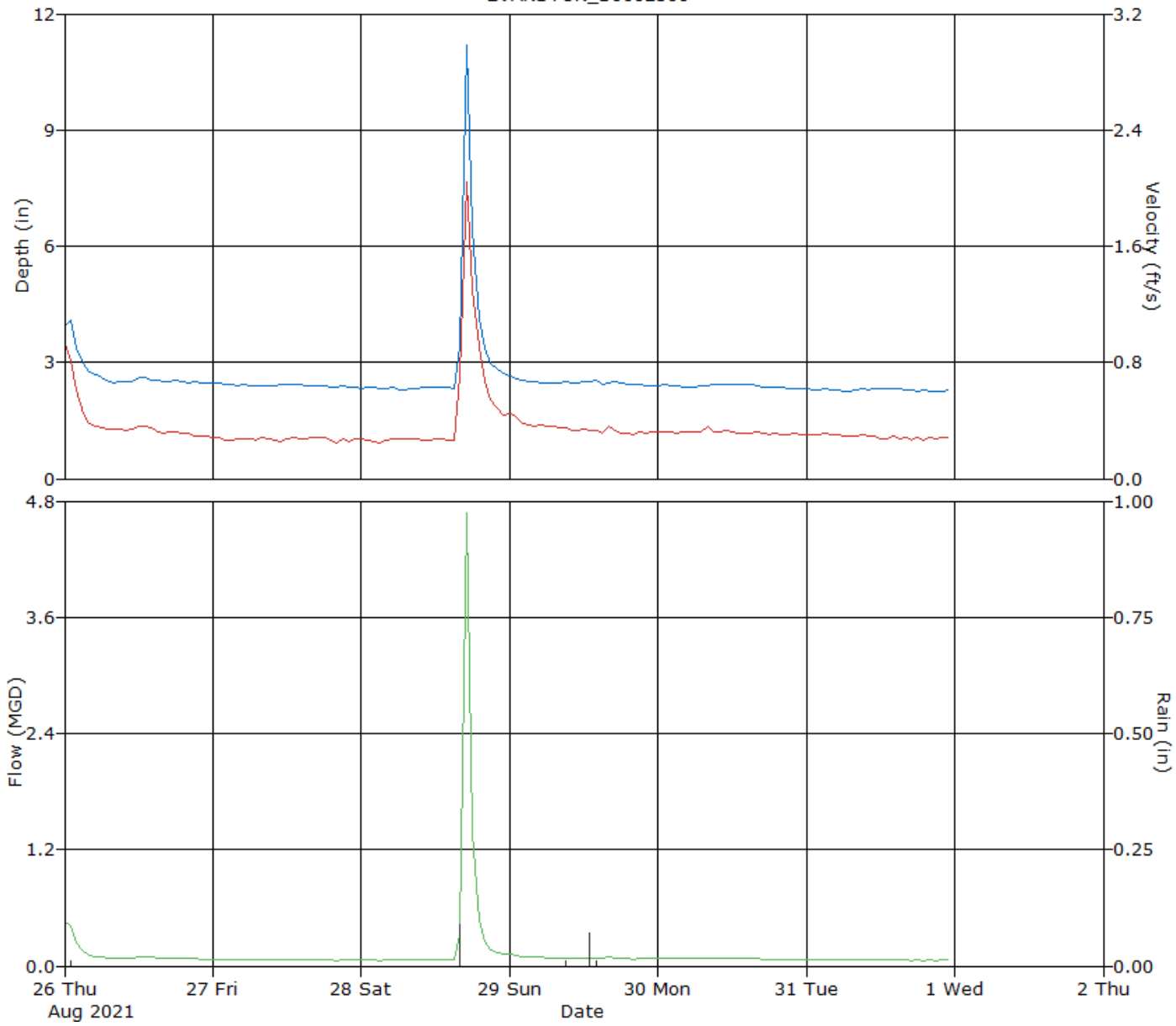


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S0602300, Pipe Height: 107.00 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.22
04/09/2021																	
04/10/2021																	0.58
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021	23:05	2.89	09:30	3.25	2.97	15:00	0.54	09:15	0.83	0.63	18:05	0.167	09:20	0.291	0.201	26839	
04/15/2021	19:15	2.82	05:20	2.92	2.86	11:10	0.55	22:50	0.66	0.60	14:45	0.163	00:10	0.199	0.181	24240	
04/16/2021	23:40	2.73	02:40	2.85	2.79	12:10	0.50	00:15	0.65	0.57	12:10	0.144	00:15	0.193	0.165	21996	
04/17/2021	23:55	2.66	00:45	2.77	2.71	16:40	0.49	03:00	0.62	0.54	16:40	0.133	03:00	0.174	0.151	20175	
04/18/2021	02:40	2.63	15:45	2.71	2.67	03:20	0.35	01:45	0.58	0.45	03:20	0.095	01:45	0.156	0.122	16301	
04/19/2021	19:45	2.60	22:05	2.69	2.66	19:40	0.39	14:00	0.51	0.45	19:40	0.102	14:00	0.136	0.122	16284	
04/20/2021	23:05	2.60	00:35	2.67	2.63	05:00	0.32	00:35	0.48	0.44	05:00	0.083	00:35	0.130	0.116	15523	
04/21/2021	04:35	2.56	13:45	2.67	2.62	05:30	0.37	08:55	0.54	0.45	05:30	0.095	08:55	0.143	0.119	15855	0.02
04/22/2021	00:50	2.54	18:45	2.66	2.62	10:50	0.35	11:10	0.51	0.45	10:50	0.094	11:10	0.134	0.118	15810	
04/23/2021	08:25	2.59	15:25	2.66	2.63	00:20	0.38	00:05	0.54	0.45	00:20	0.102	00:05	0.145	0.119	15907	
04/24/2021	13:35	2.58	01:35	2.64	2.61	12:35	0.37	01:20	0.48	0.43	12:35	0.096	01:20	0.129	0.113	15103	
04/25/2021	22:25	2.48	00:10	2.60	2.52	17:05	0.35	19:15	0.44	0.40	17:05	0.086	00:35	0.110	0.099	13175	
04/26/2021	03:30	2.46	17:40	2.55	2.51	04:00	0.34	22:35	0.44	0.39	04:00	0.083	22:35	0.111	0.097	12963	
04/27/2021	08:55	2.52	13:40	4.62	2.69	03:25	0.33	13:40	1.00	0.46	03:25	0.083	13:40	0.614	0.138	18498	
04/28/2021	17:50	2.48	02:05	2.54	2.51	17:50	0.40	02:05	0.42	0.41	17:50	0.096	02:05	0.106	0.101	13457	0.03
04/29/2021	06:00	2.52	09:00	5.77	2.89	00:15	0.39	08:55	1.05	0.54	00:15	0.098	09:00	0.881	0.183	24440	0.07
04/30/2021	20:05	2.48	00:15	2.69	2.55	06:30	0.38	00:40	0.54	0.45	17:55	0.094	00:40	0.146	0.113	15074	
05/01/2021	03:20	2.46	18:20	2.56	2.51	07:10	0.36	04:35	0.48	0.43	07:15	0.089	23:25	0.120	0.105	14033	
05/02/2021	08:25	2.48	13:30	2.56	2.52	23:50	0.31	11:30	0.46	0.40	23:50	0.077	20:10	0.115	0.100	13353	
05/03/2021	03:30	2.49	22:00	3.81	2.65	02:55	0.35	21:50	1.00	0.47	02:55	0.087	21:55	0.451	0.135	17986	0.11
05/04/2021	13:40	2.48	00:00	2.97	2.54	12:10	0.34	00:15	0.61	0.43	12:10	0.083	00:10	0.187	0.109	14552	0.01
05/05/2021	15:35	2.42	03:15	2.52	2.46	19:05	0.33	07:30	0.42	0.37	19:05	0.077	07:30	0.104	0.090	12003	
05/06/2021	07:40	2.41	12:30	2.69	2.49	00:00	0.32	11:55	0.48	0.40	00:00	0.075	11:55	0.127	0.099	13179	0.05
05/07/2021	03:55	2.43	11:30	2.50	2.46	09:50	0.34	11:40	0.47	0.39	09:50	0.080	11:40	0.115	0.093	12451	
05/08/2021	17:10	2.39	01:55	2.48	2.43	10:00	0.32	15:55	0.41	0.36	10:00	0.074	15:55	0.095	0.085	11419	
05/09/2021	19:40	2.39	11:55	2.49	2.42	02:35	0.31	14:00	0.43	0.36	02:35	0.072	14:00	0.104	0.086	11443	0.05
05/10/2021	17:55	2.37	00:05	2.44	2.39	23:20	0.32	20:30	0.41	0.36	23:20	0.073	20:30	0.094	0.083	11050	
05/11/2021	05:55	2.32	00:35	2.38	2.35	01:45	0.30	22:30	0.38	0.35	01:45	0.069	00:25	0.085	0.078	10385	
05/12/2021	05:55	2.30	19:40	2.36	2.33	15:00	0.28	00:25	0.39	0.34	15:00	0.061	00:25	0.085	0.075	10073	
05/13/2021	05:35	2.29	07:05	2.35	2.33	15:25	0.28	20:40	0.43	0.33	15:25	0.062	20:40	0.096	0.074	9895	
05/14/2021	05:40	2.31	11:00	2.36	2.34	22:20	0.30	12:25	0.37	0.34	22:20	0.066	11:40	0.084	0.075	10020	
05/15/2021	00:15	2.34	11:00	2.41	2.36	00:05	0.29	10:35	0.39	0.34	00:05	0.065	10:35	0.090	0.078	10400	0.01
05/16/2021	11:05	2.35	23:05	2.45	2.38	01:40	0.29	15:50	0.42	0.36	01:40	0.066	15:50	0.099	0.083	11076	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	18:45	2.32	00:20	2.41	2.35	01:00	0.33	00:20	0.37	0.35	18:45	0.074	00:20	0.086	0.078	10396	
05/18/2021	03:15	2.31	21:50	3.02	2.41	03:15	0.33	22:05	0.60	0.37	03:15	0.072	22:05	0.195	0.088	11740	0.09
05/19/2021	09:10	2.38	11:25	4.35	2.70	23:35	0.33	11:20	0.95	0.45	09:10	0.075	11:20	0.530	0.136	18168	0.10
05/20/2021	22:35	2.33	11:25	2.48	2.39	23:30	0.24	11:25	0.40	0.36	23:30	0.054	11:25	0.097	0.083	11030	
05/21/2021	22:50	2.32	10:35	2.39	2.34	06:30	0.30	10:35	0.36	0.34	06:30	0.065	10:35	0.084	0.076	10098	
05/22/2021	06:50	2.32	19:20	2.44	2.34	10:20	0.29	20:15	0.41	0.34	10:20	0.065	20:15	0.095	0.076	10217	
05/23/2021	16:35	2.31	21:35	8.50	2.86	04:10	0.30	21:35	1.55	0.47	04:10	0.067	21:35	2.338	0.215	28676	0.10
05/24/2021	23:20	2.43	00:00	3.41	2.58	12:30	0.33	00:00	0.79	0.43	22:55	0.081	00:00	0.309	0.112	14995	
05/25/2021	18:15	2.35	03:50	2.46	2.39	06:35	0.30	08:45	0.52	0.36	06:35	0.069	08:45	0.119	0.083	11098	
05/26/2021	00:05	2.36	02:10	10.73	4.02	00:05	0.35	02:50	1.93	0.81	00:05	0.079	02:45	4.014	0.607	81109	1.46
05/27/2021	15:35	2.51	18:45	2.74	2.62	23:45	0.39	17:30	0.56	0.47	23:45	0.096	18:35	0.154	0.123	16503	0.03
05/28/2021	01:25	2.49	06:40	5.52	3.02	01:15	0.38	06:40	1.13	0.58	01:15	0.092	06:40	0.897	0.219	29246	0.23
05/29/2021	22:55	2.37	00:30	2.68	2.49	23:45	0.36	20:50	0.56	0.43	22:40	0.083	00:50	0.148	0.106	14179	
05/30/2021	23:20	2.34	15:45	2.49	2.39	17:55	0.32	11:50	0.45	0.38	17:55	0.073	11:50	0.105	0.087	11636	
05/31/2021	21:05	2.32	14:00	4.49	2.46	03:35	0.32	14:00	1.19	0.39	22:40	0.072	14:00	0.696	0.102	13652	
06/01/2021	00:00	2.32	07:20	2.36	2.34	03:00	0.29	04:00	0.39	0.34	03:00	0.064	03:50	0.088	0.076	10225	
06/02/2021	10:35	2.32	01:25	2.36	2.34	11:55	0.29	20:35	0.39	0.34	11:55	0.065	20:35	0.088	0.076	10177	
06/03/2021	22:00	2.32	15:55	2.41	2.34	07:50	0.29	15:55	0.37	0.34	07:50	0.064	15:55	0.087	0.076	10096	
06/04/2021	11:45	2.30	15:40	2.37	2.33	16:25	0.26	15:15	0.36	0.32	16:25	0.059	01:30	0.080	0.072	9622	
06/05/2021	23:25	2.26	16:05	2.70	2.34	23:45	0.26	15:55	0.67	0.33	23:45	0.056	16:00	0.182	0.074	9920	
06/06/2021	02:55	2.25	15:30	2.33	2.29	03:05	0.26	17:05	0.36	0.31	03:05	0.055	17:05	0.079	0.068	9050	
06/07/2021	08:55	2.27	18:15	2.34	2.29	20:15	0.27	12:40	0.34	0.31	23:05	0.059	12:40	0.074	0.068	9041	
06/08/2021	03:35	2.25	16:15	5.13	2.65	01:05	0.29	16:00	1.19	0.46	01:05	0.061	16:05	0.811	0.142	18986	
06/09/2021	23:25	2.28	16:20	2.44	2.35	06:45	0.30	16:20	0.38	0.34	06:45	0.067	16:20	0.091	0.077	10292	
06/10/2021	23:40	2.24	16:10	2.63	2.32	23:40	0.30	16:10	0.46	0.33	23:40	0.062	16:10	0.122	0.074	9900	
06/11/2021	22:00	2.17	20:30	2.34	2.22	22:00	0.27	20:30	0.34	0.29	22:00	0.053	20:30	0.076	0.059	7910	
06/12/2021	02:35	2.19	15:30	40.43	3.82	02:35	0.27	15:05	3.37	0.52	02:35	0.055	15:20	26.387	0.737	98517	0.62
06/13/2021	23:15	2.34	00:00	2.65	2.41	19:50	0.32	00:30	0.54	0.39	23:25	0.072	00:00	0.143	0.092	12323	
06/14/2021	02:55	2.35	18:30	3.06	2.41	01:25	0.30	18:25	0.62	0.38	01:25	0.067	18:25	0.201	0.089	11888	
06/15/2021	13:10	2.28	16:20	4.73	2.56	09:25	0.28	16:20	1.00	0.40	09:25	0.062	16:20	0.637	0.121	16162	
06/16/2021	23:55	2.28	08:20	2.73	2.38	21:55	0.31	08:10	0.60	0.37	23:55	0.067	08:10	0.166	0.085	11371	
06/17/2021	18:25	2.21	11:25	2.34	2.25	16:00	0.28	21:25	0.44	0.32	16:00	0.060	21:25	0.094	0.067	9010	
06/18/2021	02:35	2.22	05:15	15.87	3.48	01:30	0.27	05:10	4.74	0.66	01:30	0.056	05:10	15.884	0.616	82312	0.38
06/19/2021	06:35	2.40	17:00	3.37	2.46	19:00	0.30	16:50	0.81	0.37	19:00	0.072	16:55	0.305	0.091	12160	
06/20/2021	02:50	2.39	23:35	143.29	6.15	02:35	0.30	23:50	4.29	0.59	02:35	0.068	23:50	174.557	3.712	496228	1.78
06/21/2021	23:05	3.10	00:00	125.69	7.02	23:00	0.73	01:15	1.85	1.04	23:00	0.248	00:00	68.402	2.084	278564	0.03
06/22/2021	23:55	2.72	12:15	3.43	2.96	22:15	0.54	11:55	0.85	0.67	23:50	0.152	12:05	0.313	0.214	28592	
06/23/2021	23:40	2.55	14:00	3.80	2.86	23:50	0.40	13:20	0.85	0.56	23:50	0.100	13:35	0.389	0.176	23486	
06/24/2021	02:50	2.51	15:55	8.52	3.40	09:50	0.39	14:55	2.01	0.66	09:50	0.099	15:00	2.695	0.369	49321	0.31
06/25/2021	03:00	2.72	05:30	35.27	6.16	03:35	0.45	10:45	2.52	1.16	03:35	0.128	05:25	23.370	1.684	225181	0.03
06/26/2021	01:20	3.60	14:25	143.08	64.94	12:15	0.00	11:55	8.52	0.89	12:15	0.000	16:30	108.003	4.101	548218	0.01
06/27/2021	23:40	3.44	00:00	142.58	22.36	00:00	0.00	17:00	0.89	0.58	00:00	0.000	03:50	9.187	0.538	71879	0.02
06/28/2021	15:10	3.25	04:10	97.61	29.66	03:50	0.00	15:35	1.90	0.50	03:50	0.000	15:35	29.191	0.782	104545	0.02
06/29/2021	07:15	2.88	12:05	130.27	30.78	10:55	0.00	18:20	0.81	0.50	10:55	0.000	10:50	14.326	1.070	143022	0.02
06/30/2021	12:55	3.04	18:35	143.17	48.75	00:30	0.00	18:05	1.58	0.34	00:30	0.000	18:25	29.066	0.742	99174	0.02
07/01/2021	18:45	2.74	00:00	111.55	10.55	00:00	0.00	11:50	0.81	0.58	00:00	0.000	01:35	7.041	0.424	56730	0.01
07/02/2021	01:45	2.74	11:45	3.75	2.87	22:20	0.43	10:50	0.79	0.59	22:20	0.125	10:50	0.271	0.178	23800	0.01
07/03/2021	22:20	2.75	07:00	2.84	2.79	23:20	0.34	03:50	0.63	0.51	23:20	0.097	03:50	0.183	0.147	19588	
07/04/2021	23:50	2.70	03:40	2.92	2.75	01:50	0.36	18:05	0.62	0.51	01:50	0.103	16:40	0.175	0.146	19497	
07/05/2021	11:40	2.66	23:55	2.86	2.70	17:45	0.45	13:25	0.63	0.53	17:45	0.122	13:25	0.174	0.147	19619	
07/06/2021	00:05	2.86	03:45	3.01	2.90	02:45	0.43	03:40	0.59	0.51	02:45	0.132	03:40	0.189	0.156	20831	
07/07/2021	22:00	2.87	10:00	3.97	2.97	00:10	0.39	10:00	0.82	0.50	00:10	0.120	10:00	0.404	0.160	21418	
07/08/2021	17:10	2.70	10:30	4.37	2.98	23:35	0.33	10:20	0.98	0.48	23:35	0.092	10:30	0.552	0.164	21928	
07/09/2021	23:45	2.63	00:10	2.74	2.69	21:55	0.29	00:15	0.46	0.35	21:55	0.078	00:15	0.128	0.096	12810	
07/10/2021	00:20	2.63	21:55	9.47	3.19	03:00	0.32	22:00	1.90	0.47	03:00	0.084	22:00	3.355	0.267	35645	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total		Total
07/11/2021	23:45	2.91 02:55	10.79	3.66	23:25	0.44 02:45	2.47	0.72	23:25	0.135 02:45	4.849	0.427	57115		
07/12/2021	20:45	2.79 03:40	3.03	2.89	19:10	0.41 03:35	0.64	0.48	19:10	0.119 03:35	0.210	0.148	19806		
07/13/2021	20:15	2.70 03:40	3.64	2.89	19:15	0.37 03:25	0.88	0.49	22:30	0.102 03:25	0.377	0.154	20538		
07/14/2021	02:00	2.66 16:15	5.25	2.99	19:30	0.33 12:35	1.15	0.48	23:45	0.097 16:25	0.802	0.169	22644		
07/15/2021	22:35	2.66 23:40	9.66	3.04	14:15	0.31 23:55	5.47	0.54	14:15	0.088 23:55	9.411	0.366	48980		0.37
07/16/2021	23:55	3.06 01:35	12.54	4.26	23:35	0.60 01:00	6.54	1.12	23:35	0.202 00:55	17.287	1.182	158029		0.32
07/17/2021	18:35	2.87 00:15	3.05	2.93	22:50	0.47 01:10	0.66	0.57	22:50	0.143 01:30	0.217	0.176	23539		
07/18/2021	23:55	2.76 03:40	2.97	2.86	22:15	0.44 03:30	0.64	0.49	22:15	0.125 03:30	0.201	0.148	19848		
07/19/2021	23:55	2.63 12:40	6.02	2.88	23:55	0.34 12:30	1.56	0.46	23:55	0.091 12:35	1.261	0.156	20906		
07/20/2021	23:55	2.59 10:45	3.17	2.70	09:50	0.31 10:35	0.63	0.36	23:45	0.082 10:40	0.220	0.099	13181		
07/21/2021	02:40	2.57 12:45	2.86	2.63	00:45	0.25 13:00	0.39	0.30	00:45	0.065 12:45	0.117	0.081	10777		
07/22/2021	06:25	2.59 12:50	2.85	2.64	23:10	0.25 03:35	0.40	0.31	23:10	0.064 03:40	0.114	0.083	11077		
07/23/2021	22:05	2.59 16:40	4.24	2.76	03:55	0.24 16:15	0.92	0.35	03:55	0.064 16:40	0.475	0.108	14489		0.01
07/24/2021	16:40	2.58 18:05	4.13	2.78	09:00	0.22 17:25	0.89	0.33	07:50	0.058 17:25	0.435	0.102	13574		0.08
07/25/2021	23:55	2.57 15:20	2.65	2.59	11:20	0.19 15:20	0.32	0.28	11:20	0.049 15:20	0.086	0.073	9764		
07/26/2021	22:30	2.53 13:45	2.60	2.56	22:20	0.18 12:00	0.32	0.27	22:20	0.046 12:00	0.083	0.068	9054		
07/27/2021	07:05	2.50 09:55	2.95	2.58	18:25	0.17 09:45	0.48	0.28	18:25	0.044 09:45	0.149	0.072	9586		
07/28/2021	01:45	2.50 11:55	3.06	2.60	02:50	0.18 11:50	0.48	0.28	02:50	0.045 11:55	0.158	0.074	9859		0.01
07/29/2021	02:20	2.49 05:00	4.29	2.78	10:35	0.23 05:05	0.85	0.35	01:40	0.057 05:05	0.468	0.112	14960		0.10
07/30/2021	23:05	2.52 10:00	3.02	2.60	08:35	0.23 09:55	0.53	0.30	08:35	0.057 10:00	0.170	0.079	10594		
07/31/2021	19:50	2.47 13:35	2.60	2.52	18:55	0.19 08:20	0.39	0.26	18:55	0.046 08:20	0.096	0.064	8530		
08/01/2021	14:55	2.28 04:10	2.51	2.39	13:20	0.20 17:05	0.41	0.26	13:20	0.044 17:05	0.091	0.059	7833		
08/02/2021	01:10	2.27 18:05	2.70	2.39	21:15	0.17 17:55	0.41	0.25	21:15	0.041 18:00	0.110	0.058	7814		
08/03/2021	18:00	2.31 15:15	2.53	2.44	09:45	0.18 17:55	0.38	0.27	09:45	0.042 17:10	0.089	0.063	8448		
08/04/2021	00:20	2.39 15:30	2.54	2.47	07:00	0.22 04:35	0.46	0.27	23:40	0.050 04:35	0.110	0.066	8790		
08/05/2021	01:30	2.38 13:40	4.52	2.49	04:35	0.19 13:35	1.07	0.28	04:35	0.044 13:35	0.594	0.071	9533		
08/06/2021	00:00	2.40 22:30	7.73	2.85	17:40	0.24 22:00	1.11	0.36	00:00	0.059 22:50	1.260	0.148	19772		0.13
08/07/2021	23:10	2.50 00:00	4.35	2.70	06:55	0.20 00:00	0.75	0.32	14:30	0.051 00:00	0.422	0.092	12268		
08/08/2021	21:50	2.28 16:35	2.74	2.47	08:25	0.17 18:50	0.55	0.27	08:25	0.044 18:50	0.136	0.066	8760		0.01
08/09/2021	07:25	2.22 10:05	17.64	4.11	07:40	0.14 21:05	7.15	0.96	07:40	0.030 10:05	29.881	1.464	195670		1.42
08/10/2021	19:05	2.52 20:20	76.59	5.65	18:15	0.42 20:05	8.69	0.84	18:15	0.106 20:10	63.689	2.090	279364		0.91
08/11/2021	23:45	2.83 12:15	5.97	3.51	23:55	0.46 12:05	1.53	0.75	23:55	0.137 12:05	1.278	0.332	44361		0.08
08/12/2021	23:15	2.58 02:40	2.94	2.75	22:05	0.39 00:25	0.58	0.46	23:10	0.101 00:25	0.171	0.131	17575		
08/13/2021	23:10	2.41 10:50	3.05	2.54	22:50	0.30 10:40	0.60	0.37	22:50	0.069 10:45	0.195	0.095	12640		
08/14/2021	23:15	2.40 02:45	2.58	2.46	20:30	0.28 11:00	0.42	0.33	23:10	0.068 11:00	0.102	0.079	10596		
08/15/2021	23:55	2.33 14:40	2.47	2.40	23:30	0.24 11:50	0.35	0.30	23:45	0.054 11:50	0.084	0.070	9308		
08/16/2021	00:10	2.33 12:05	2.57	2.39	00:15	0.24 12:00	0.38	0.30	00:15	0.053 12:00	0.097	0.069	9177		
08/17/2021	22:40	2.30 13:40	2.46	2.35	06:15	0.23 13:25	0.36	0.29	06:15	0.052 13:25	0.085	0.066	8758		
08/18/2021	01:40	2.30 03:05	2.42	2.36	14:05	0.25 02:40	0.34	0.28	00:20	0.054 03:05	0.077	0.064	8550		
08/19/2021	22:20	2.31 11:50	2.41	2.36	06:20	0.22 18:30	0.36	0.31	06:20	0.049 13:10	0.081	0.069	9228		
08/20/2021	01:55	2.30 13:50	5.21	2.58	05:40	0.26 13:40	1.13	0.37	02:00	0.057 13:40	0.728	0.106	14165		
08/21/2021	10:30	2.29 15:25	2.93	2.40	04:50	0.27 15:15	0.62	0.34	04:50	0.059 15:20	0.189	0.080	10644		
08/22/2021	22:45	2.28 03:05	2.42	2.33	13:10	0.27 02:40	0.39	0.30	22:45	0.060 02:40	0.088	0.067	8905		
08/23/2021	09:50	2.24 11:25	3.79	2.43	04:15	0.25 12:25	0.78	0.35	04:15	0.055 11:20	0.345	0.089	11838		
08/24/2021	06:15	2.24 18:15	15.29	3.33	03:15	0.30 18:15	6.58	0.64	03:15	0.064 18:15	23.518	0.717	95857		1.71
08/25/2021	22:20	2.41 23:55	3.40	2.63	21:55	0.32 23:55	0.78	0.43	21:55	0.076 23:55	0.302	0.117	15588		0.09
08/26/2021	23:30	2.43 01:00	4.38	2.72	23:25	0.27 00:50	1.02	0.39	23:25	0.065 00:50	0.566	0.122	16283		0.01
08/27/2021	23:55	2.33 00:45	2.53	2.41	02:50	0.21 02:15	0.31	0.27	02:50	0.050 02:15	0.074	0.064	8490		
08/28/2021	07:30	2.28 17:25	13.30	3.10	02:05	0.24 17:30	2.18	0.47	02:05	0.053 17:25	6.314	0.354	47349		0.09
08/29/2021	23:25	2.38 00:00	2.67	2.49	15:00	0.27 00:40	0.46	0.35	15:00	0.063 00:20	0.122	0.085	11337		0.09
08/30/2021	23:50	2.32 12:50	2.47	2.39	21:55	0.28 08:15	0.37	0.32	21:55	0.062 08:15	0.086	0.073	9765		
08/31/2021	21:10	2.23 11:50	2.35	2.29	17:05	0.25 02:15	0.32	0.29	17:05	0.054 02:55	0.070	0.062	8323		

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			4950580	11.87
Avg	4.12	0.44	0.265	

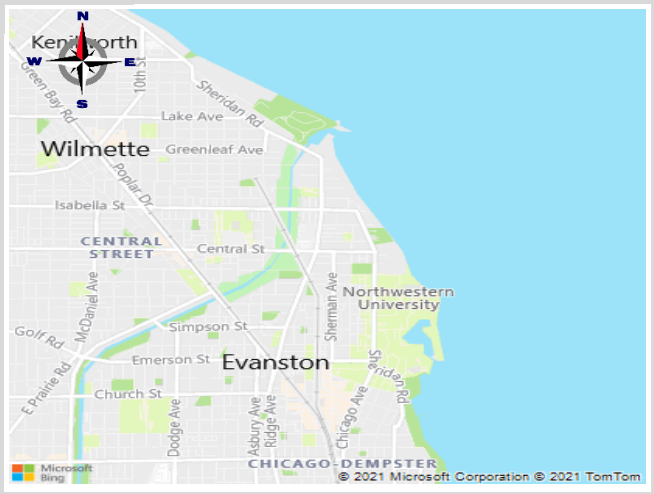
Evanston, IL

Flow Monitoring Site Report

SITE NAME

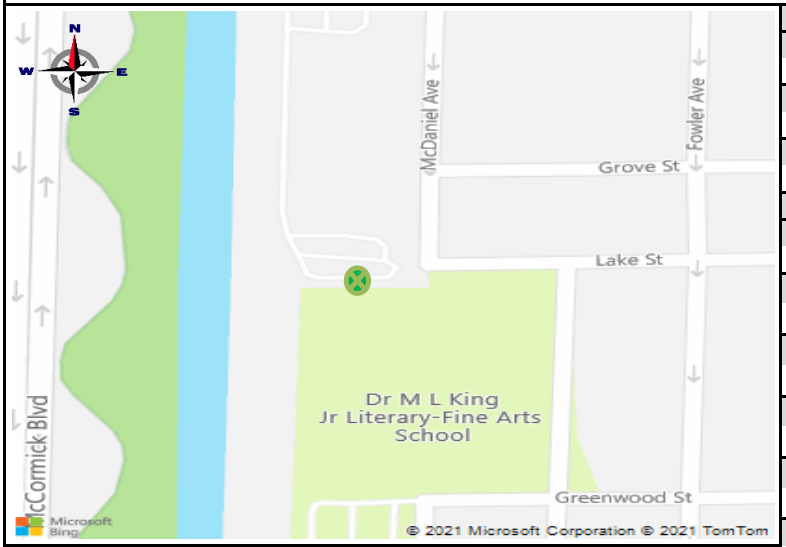
S0701090

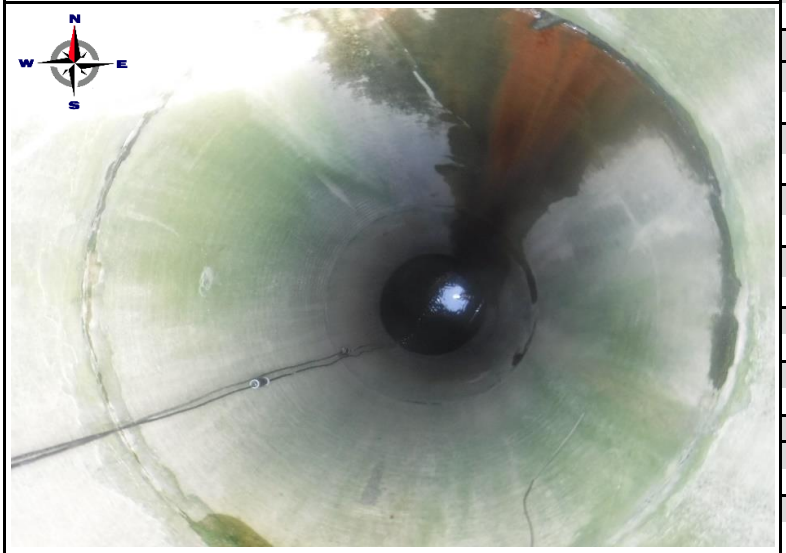
Site Address /Location:	Near Intersection of McDaniel Ave. and Greenwood St. (Dr.MLKJr. Literary-Fine Arts School)			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	West on Intersection; MH by sidewalk of bus entrance lane	Latitude:	42.043909	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.70897	113 x 113	Circular



Manhole #	System Characteristics
S07_01090	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, April 14, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
11:19:00 AM	113 x 113
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
4.00	107.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.5	2
Silt (in)	Silt Type
0	

Hydraulic Comments:
Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
30	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
36	48
Manhole Cover	Manhole Frame
Vented	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

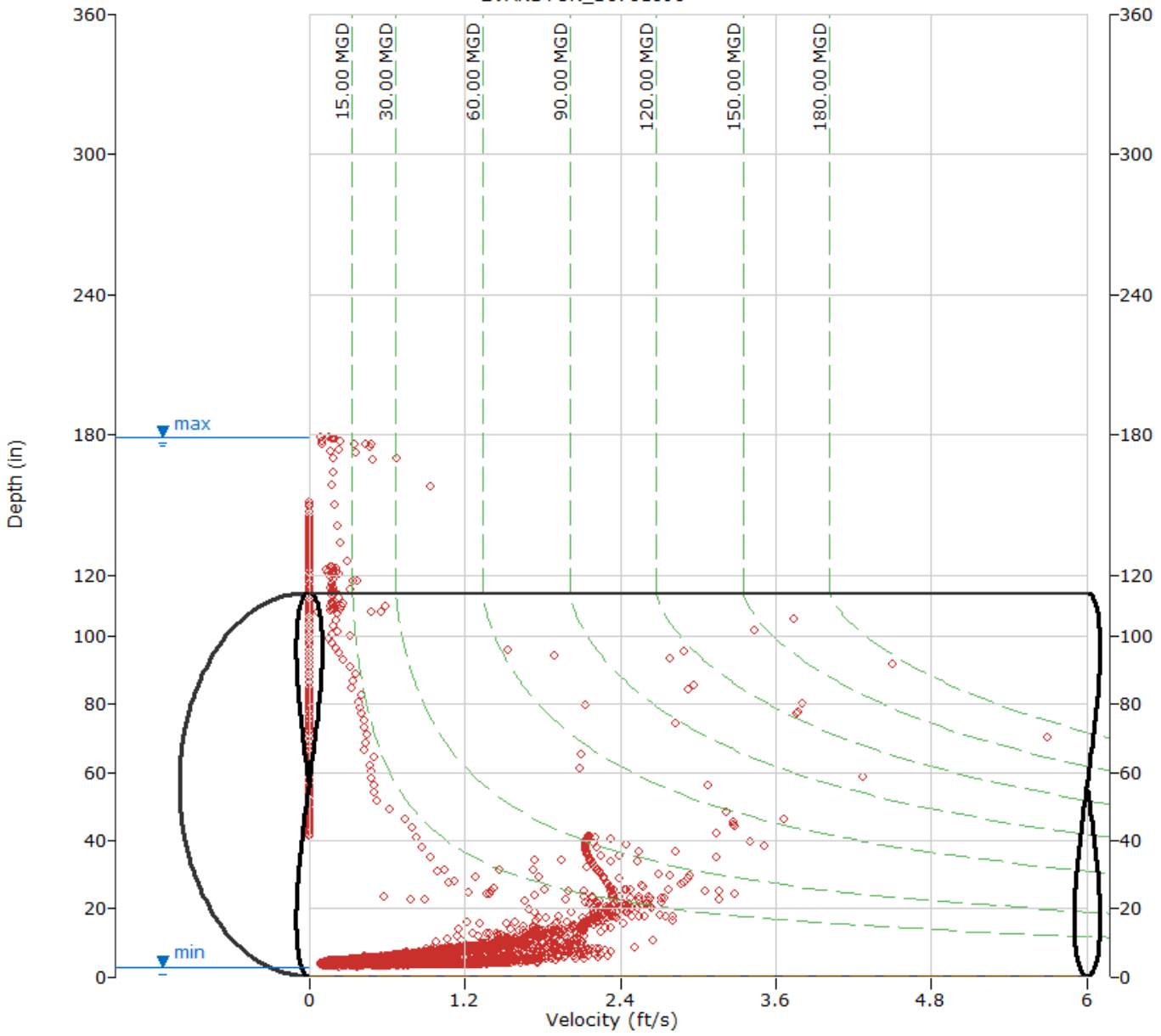
Pipe Height
113.00 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



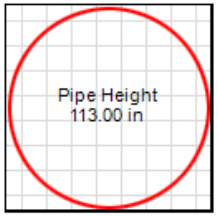
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

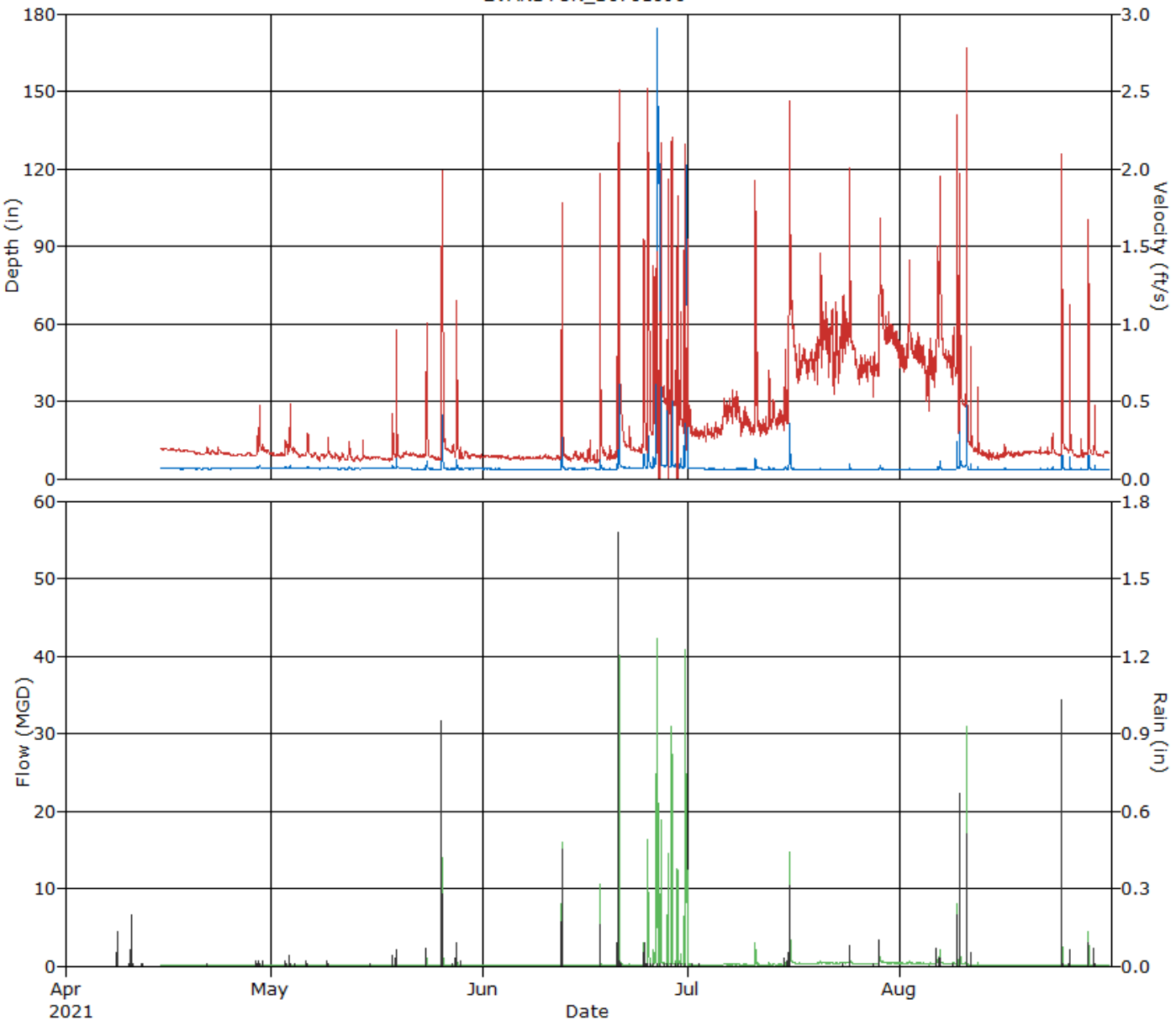


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



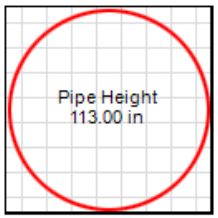
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

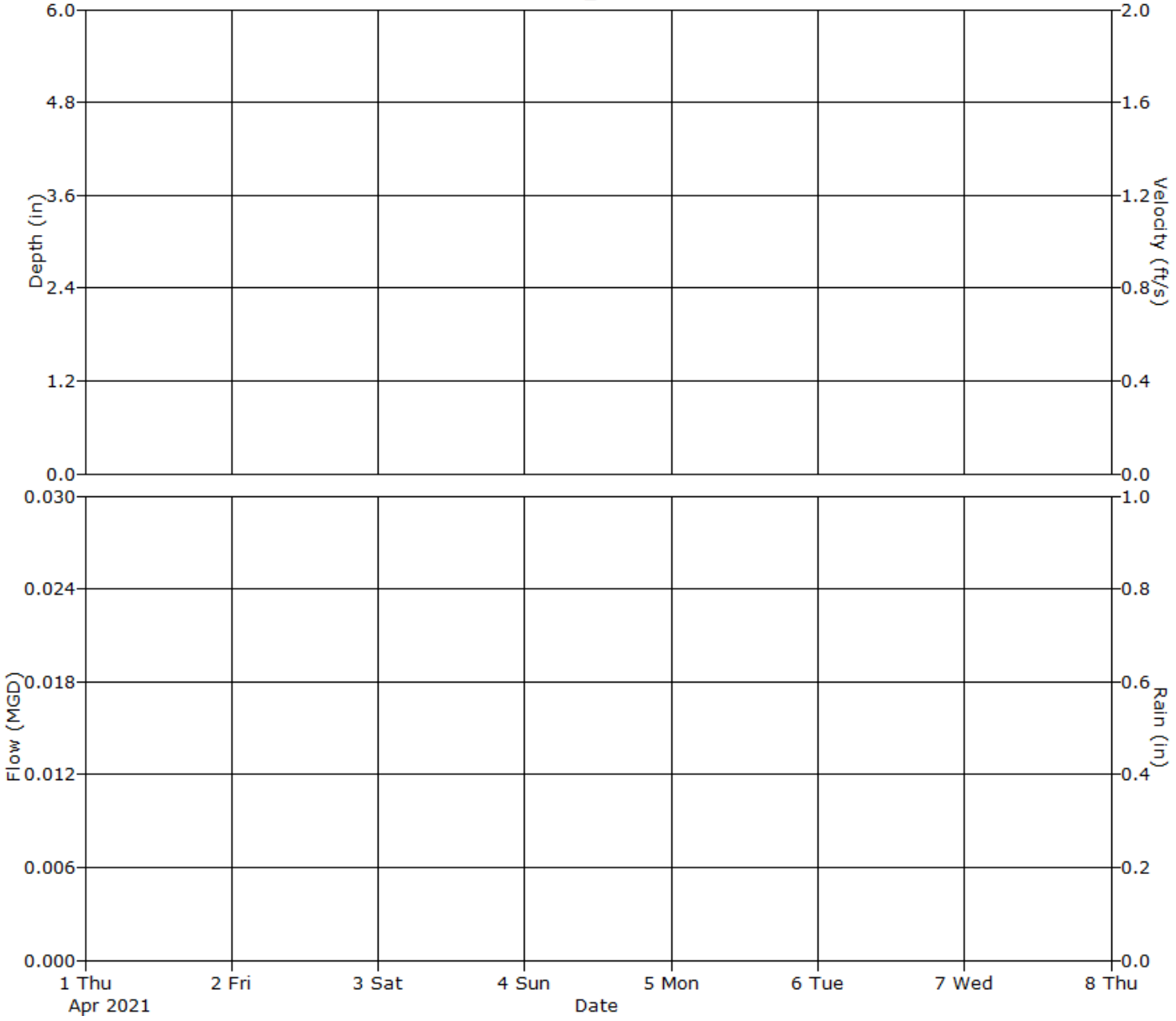


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



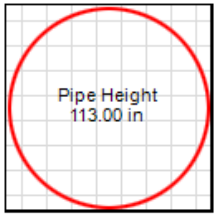
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

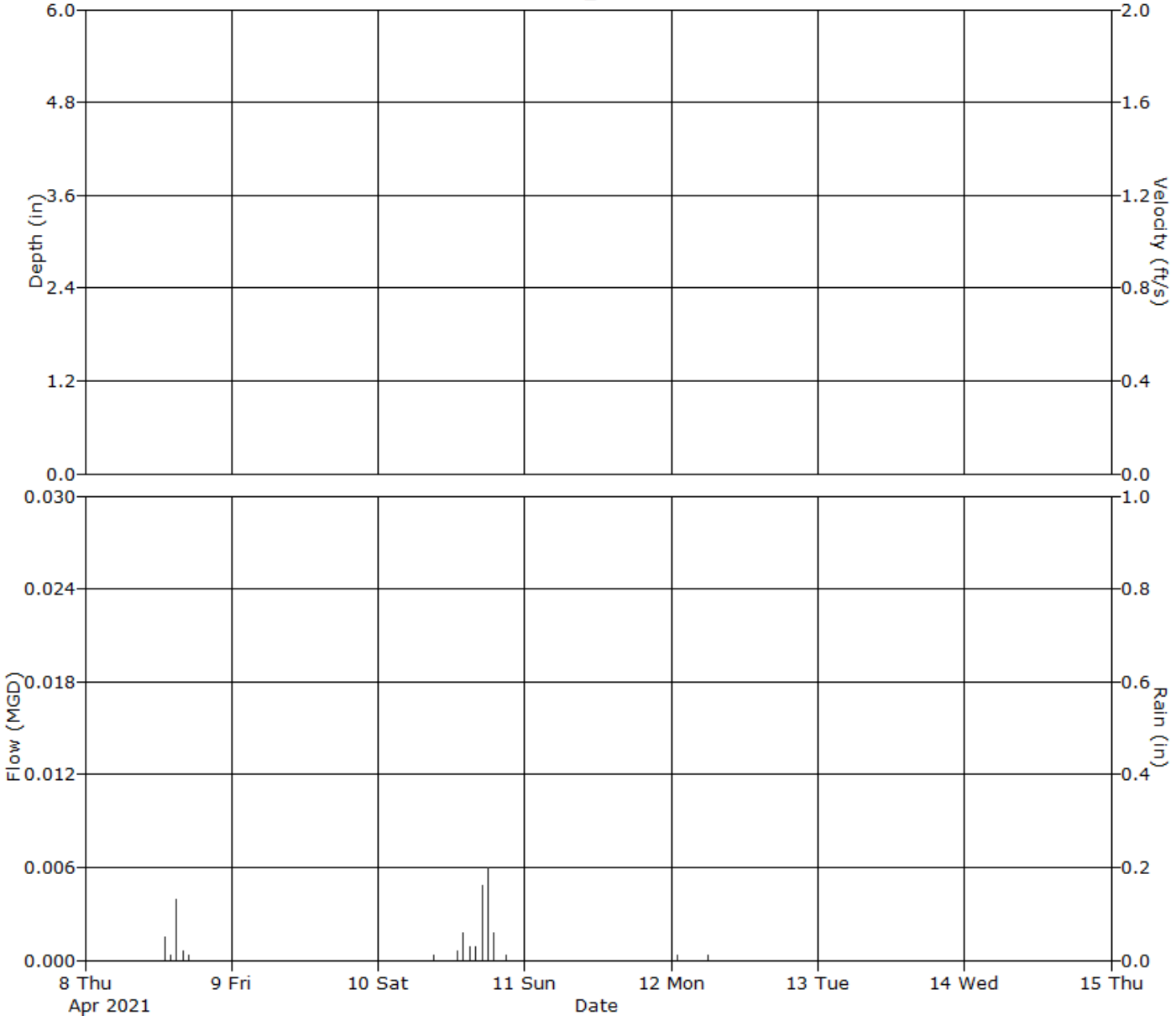


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



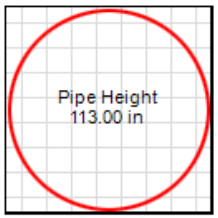
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

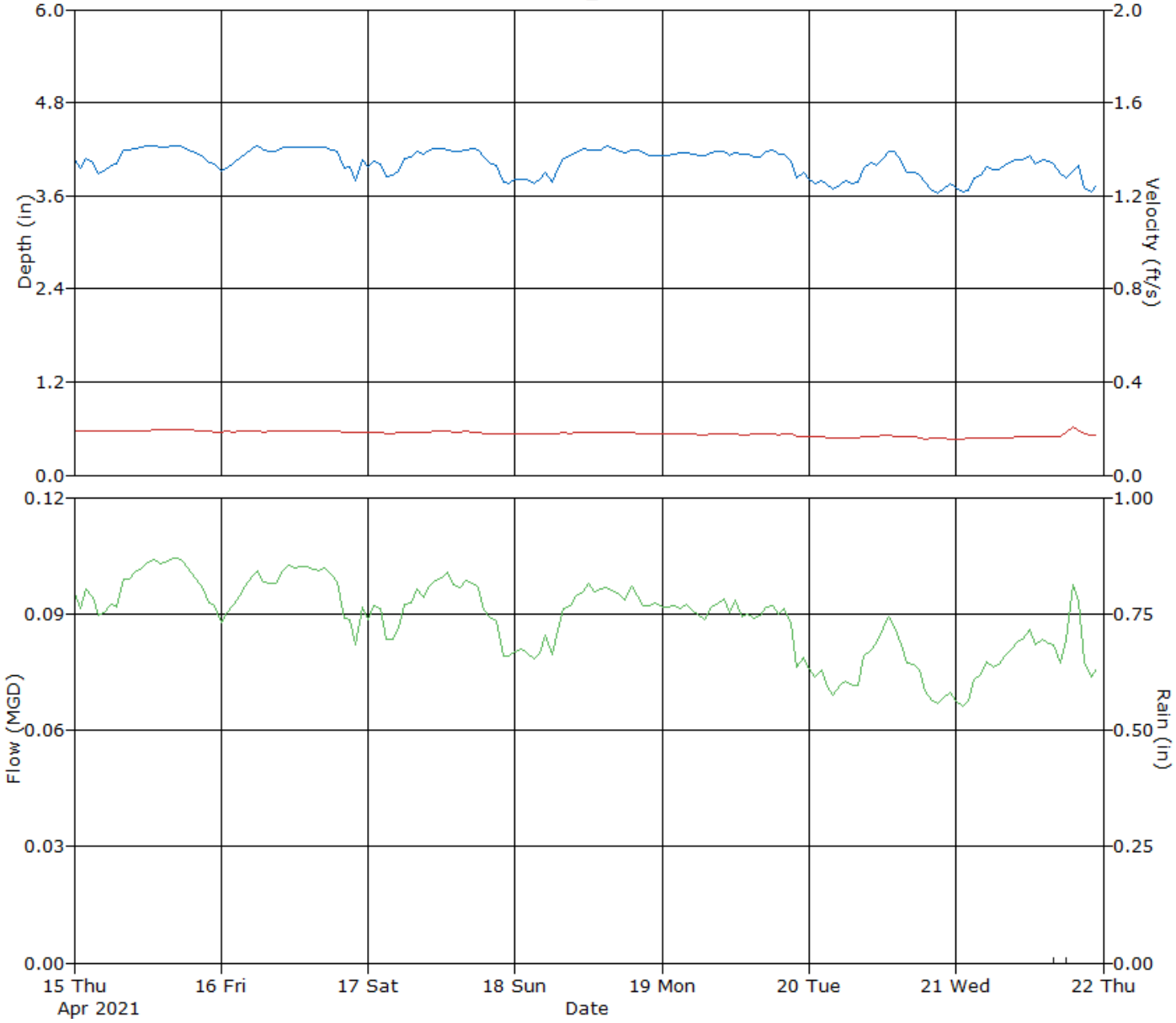


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



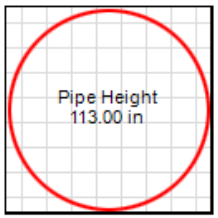
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

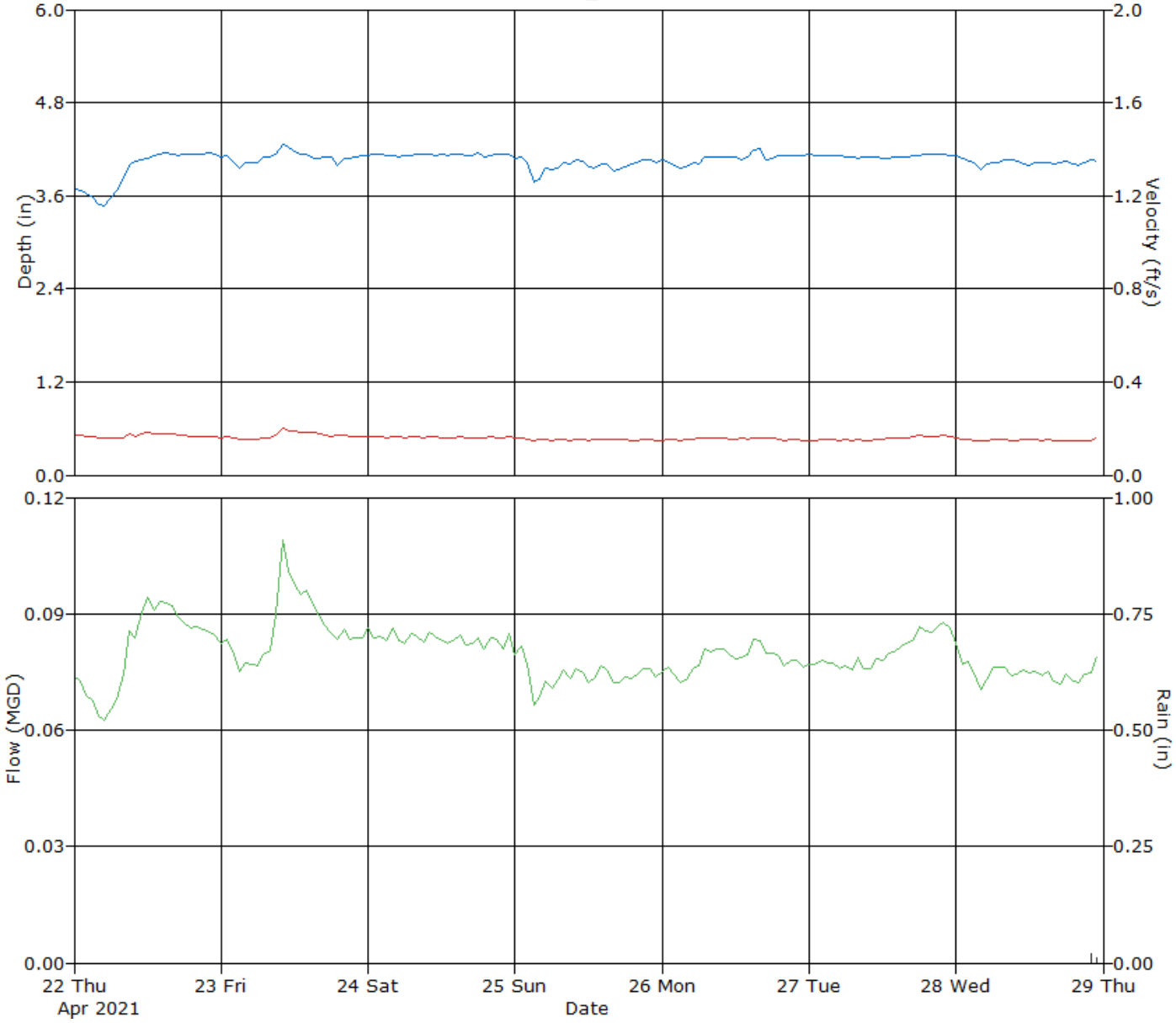


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

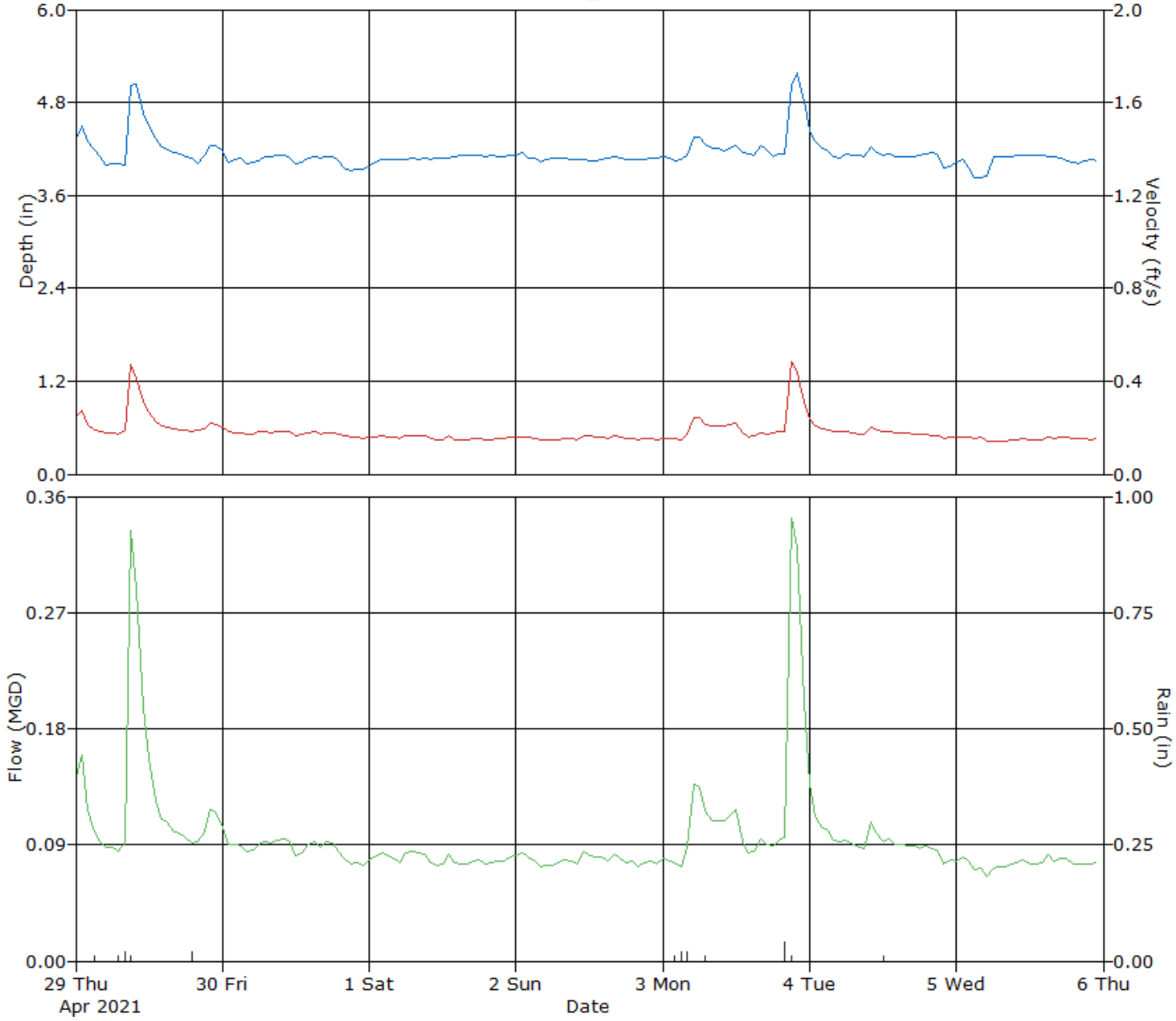
Pipe Height
113.00 in

Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

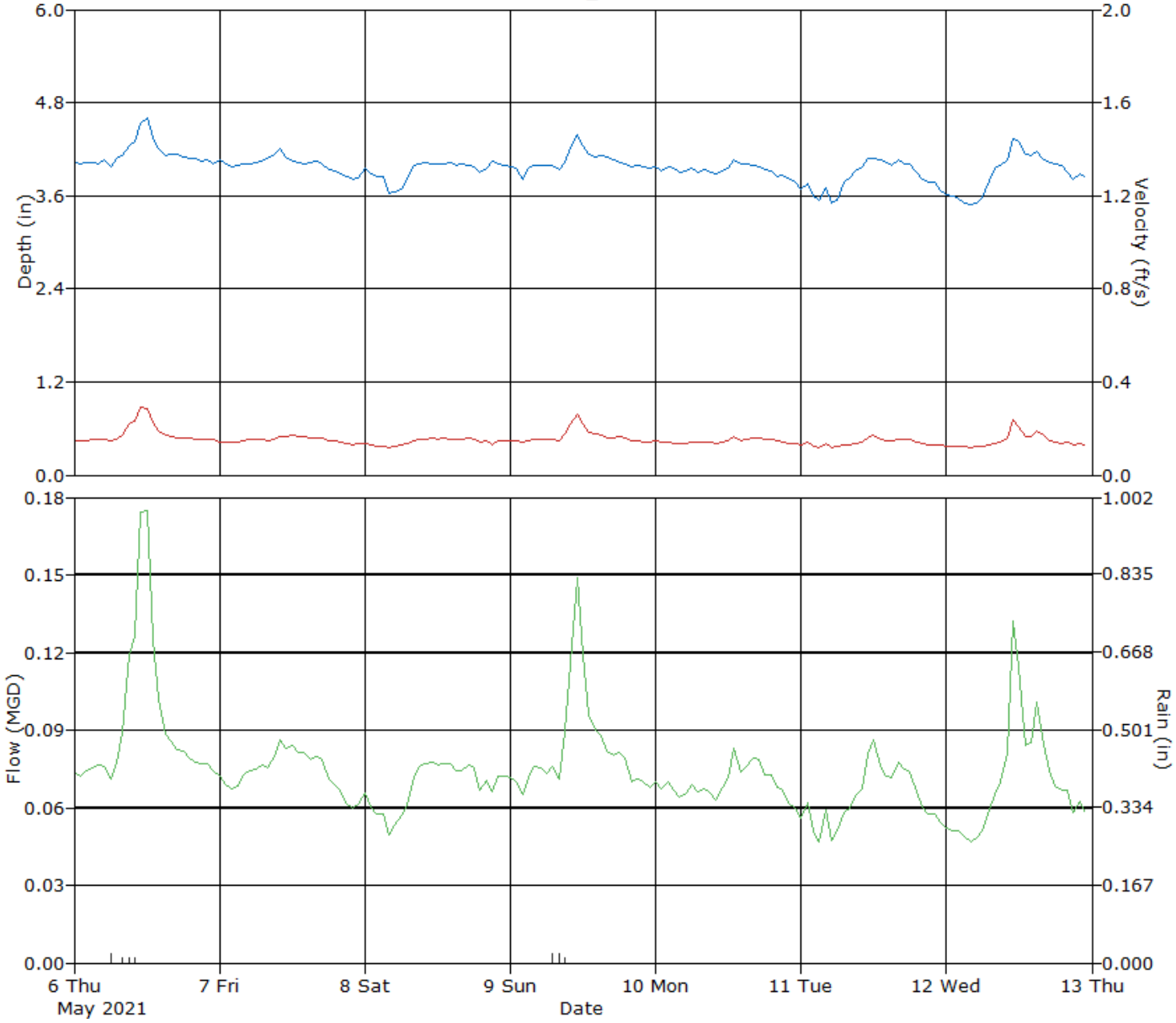
Pipe Height
113.00 in

Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



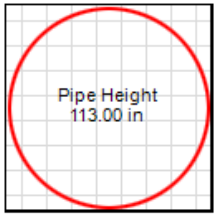
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

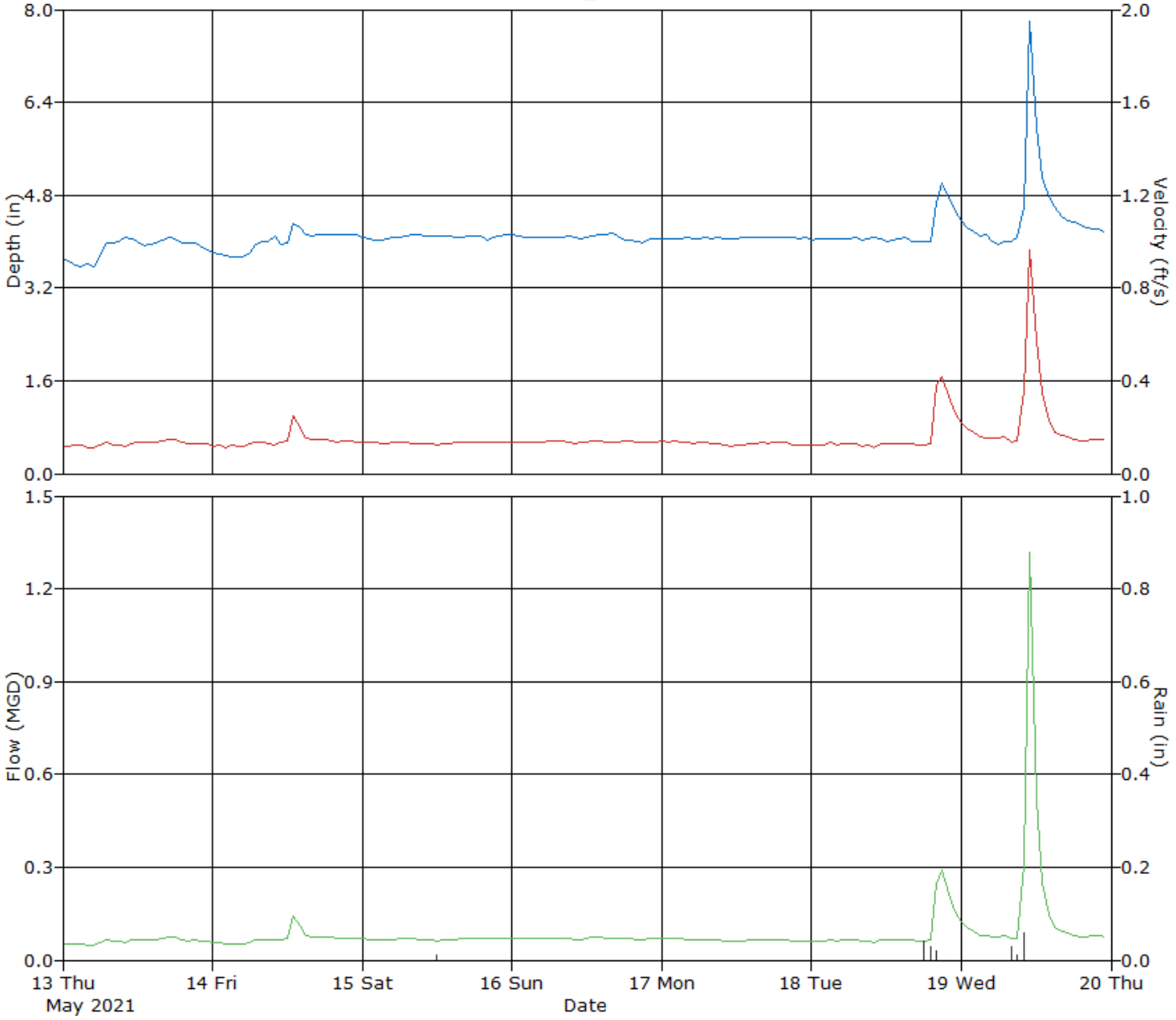


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



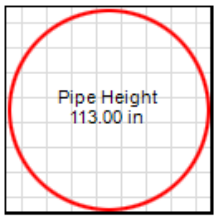
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

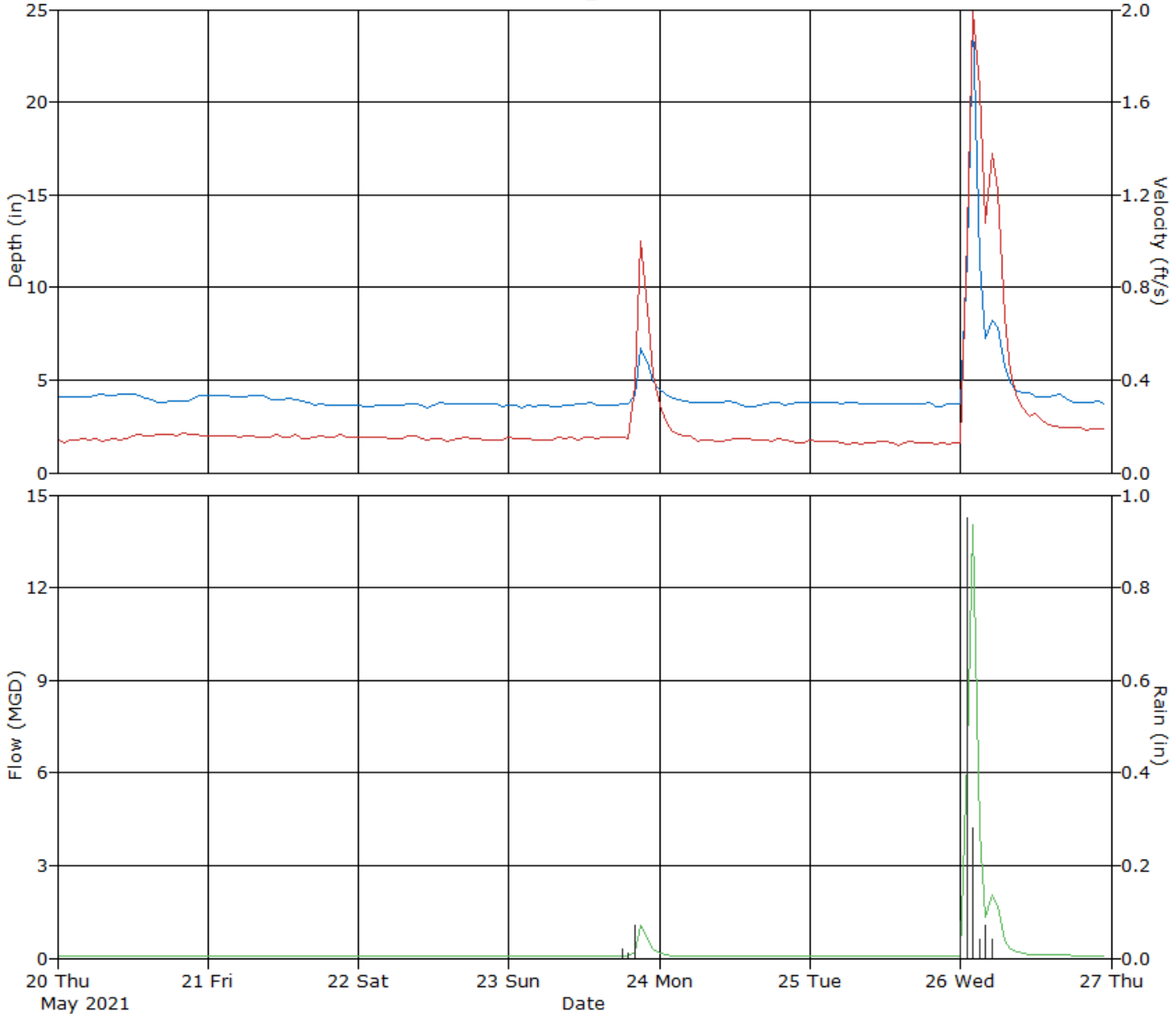


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



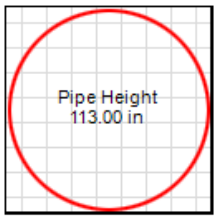
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

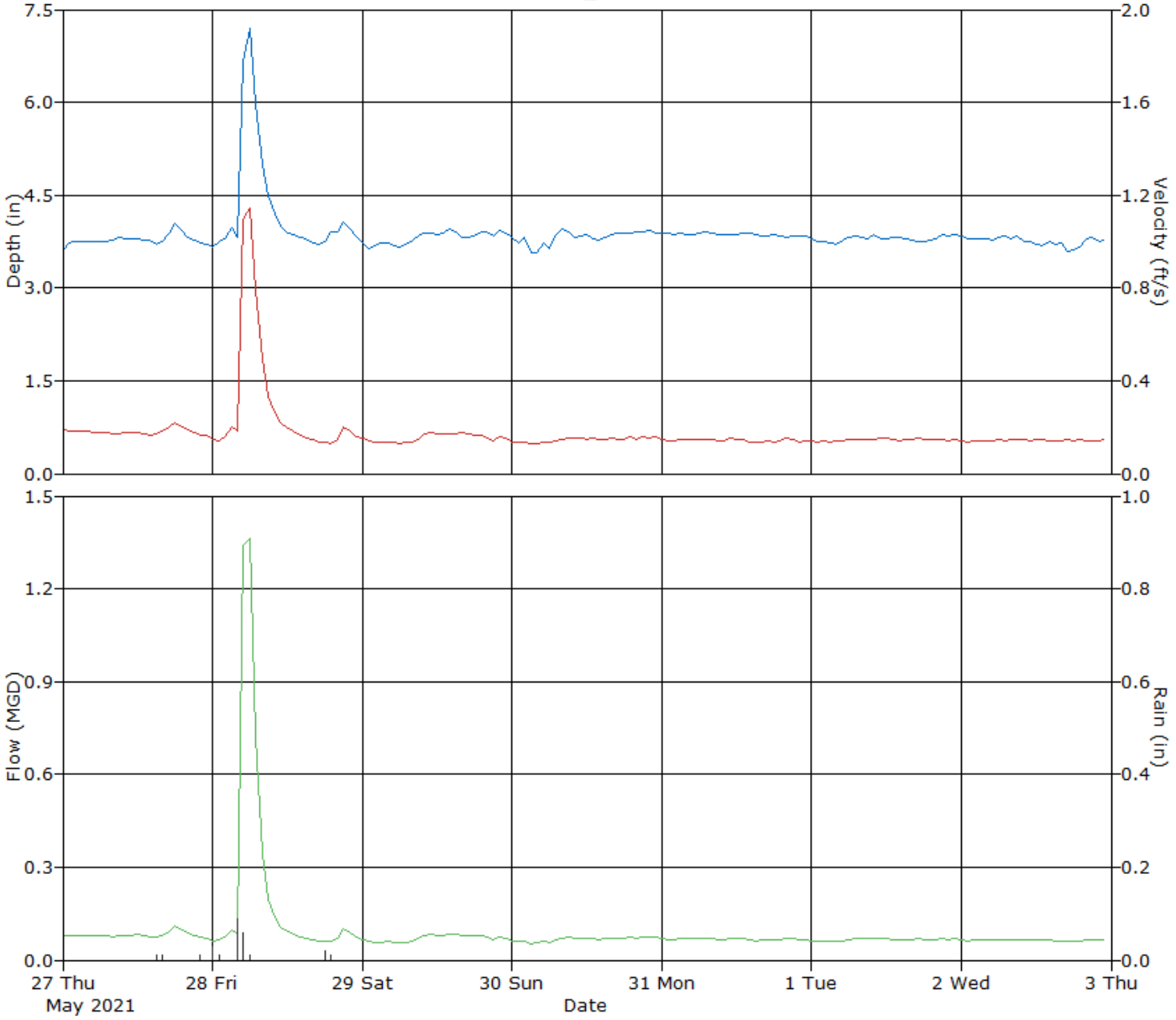


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



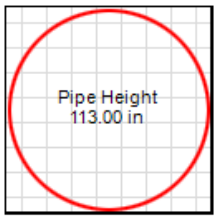
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

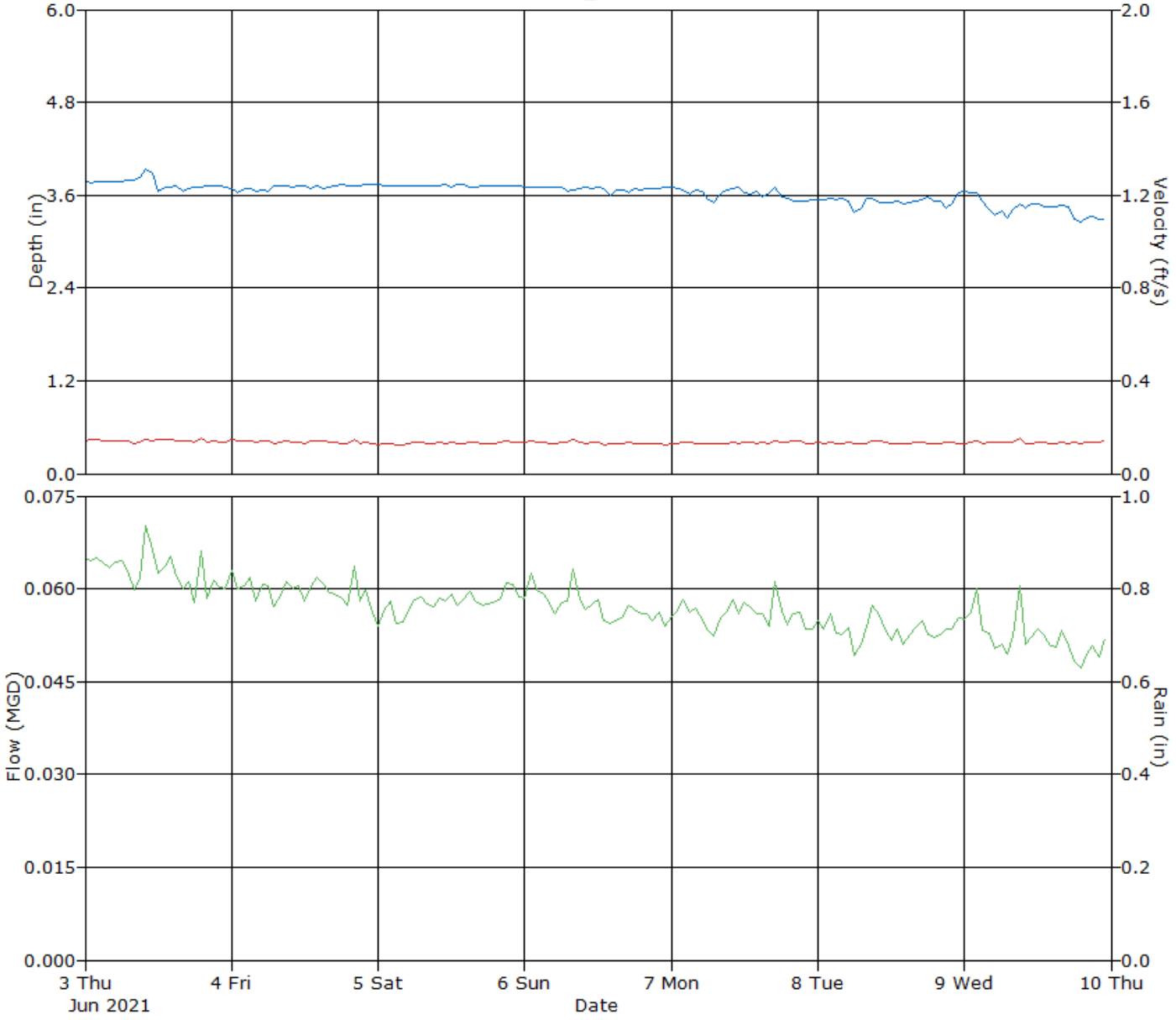


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



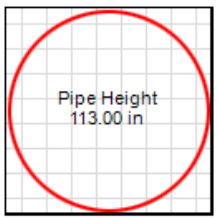
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

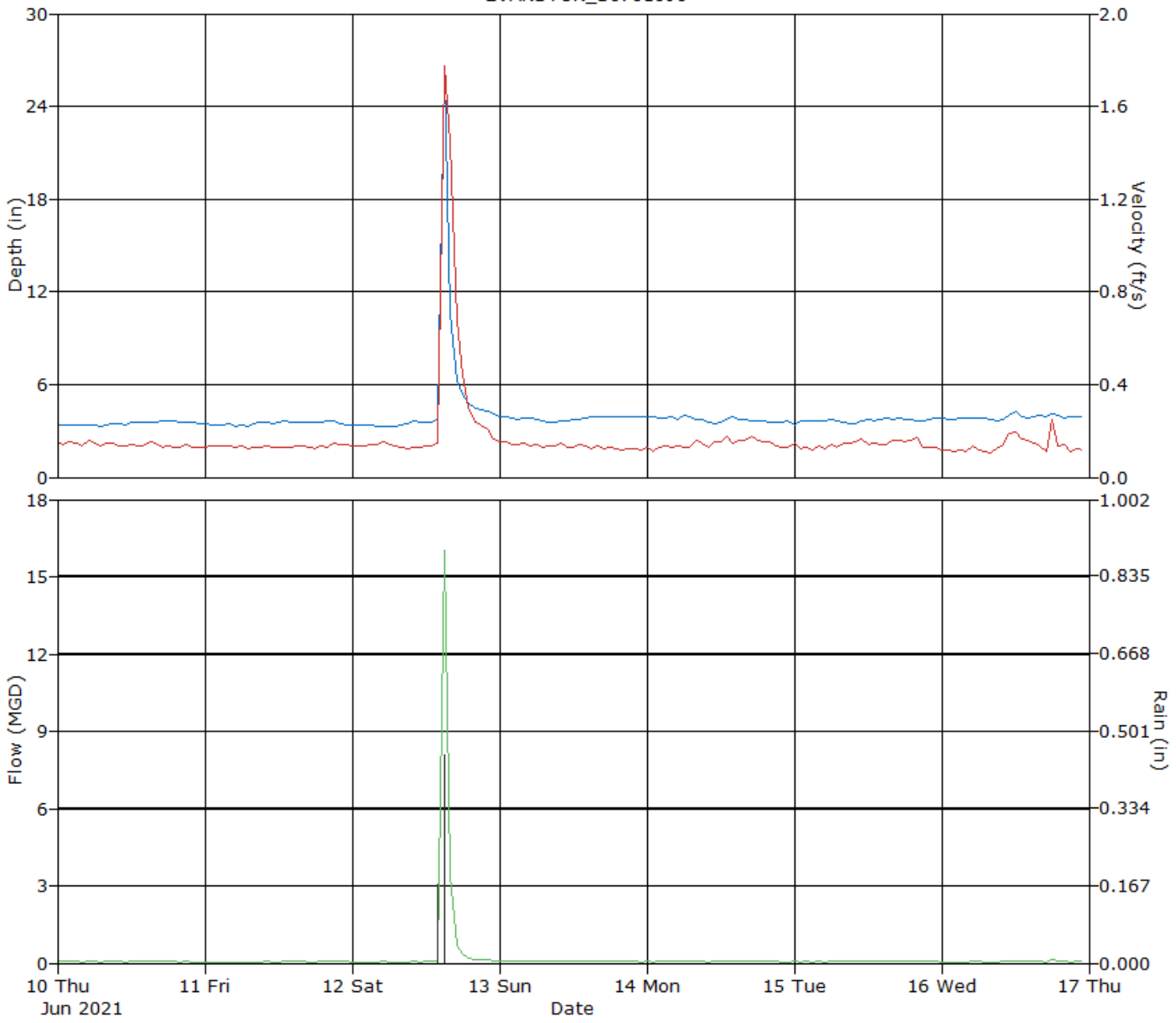


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



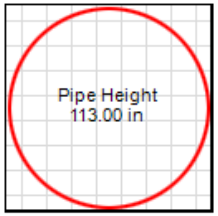
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

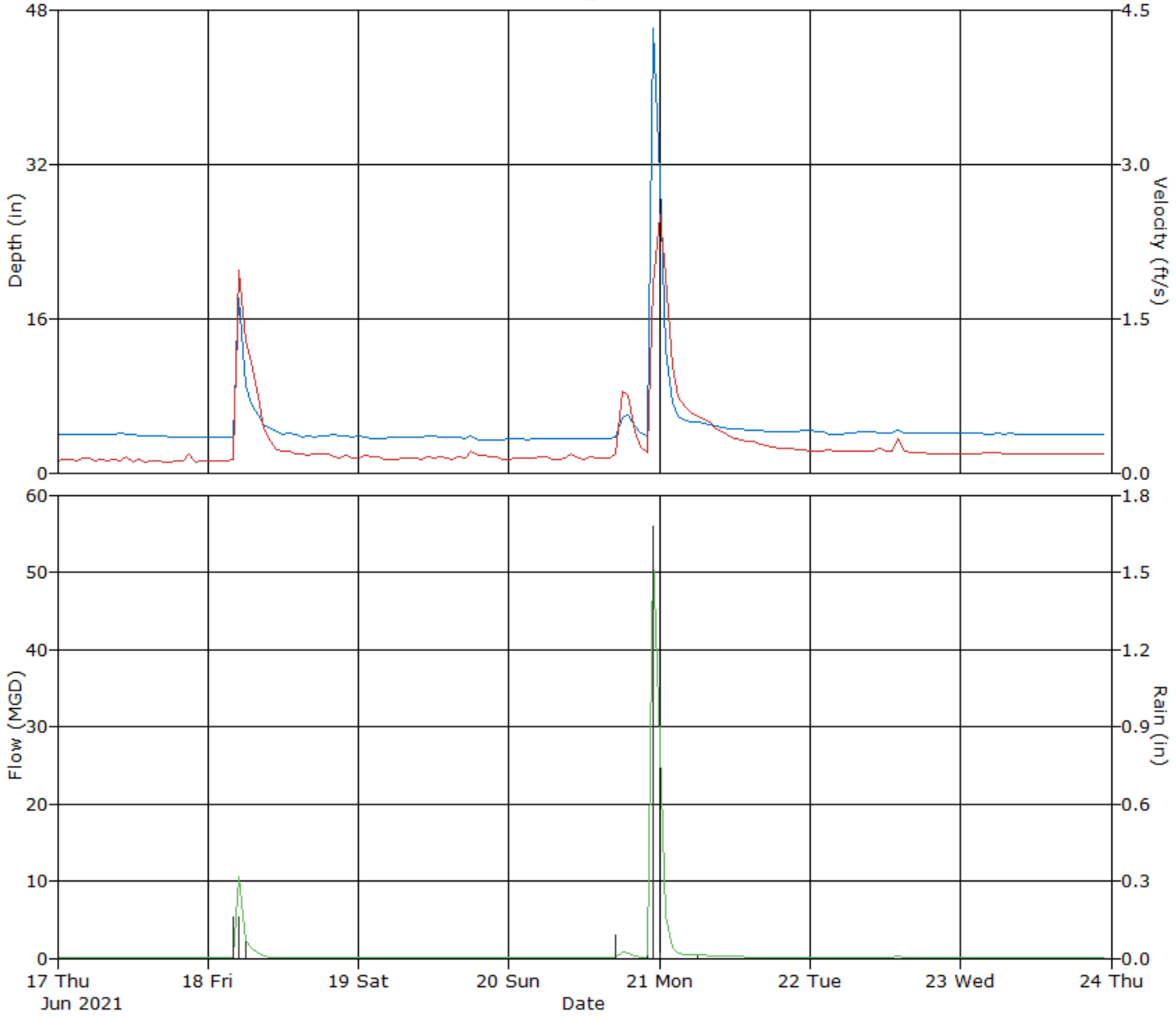


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

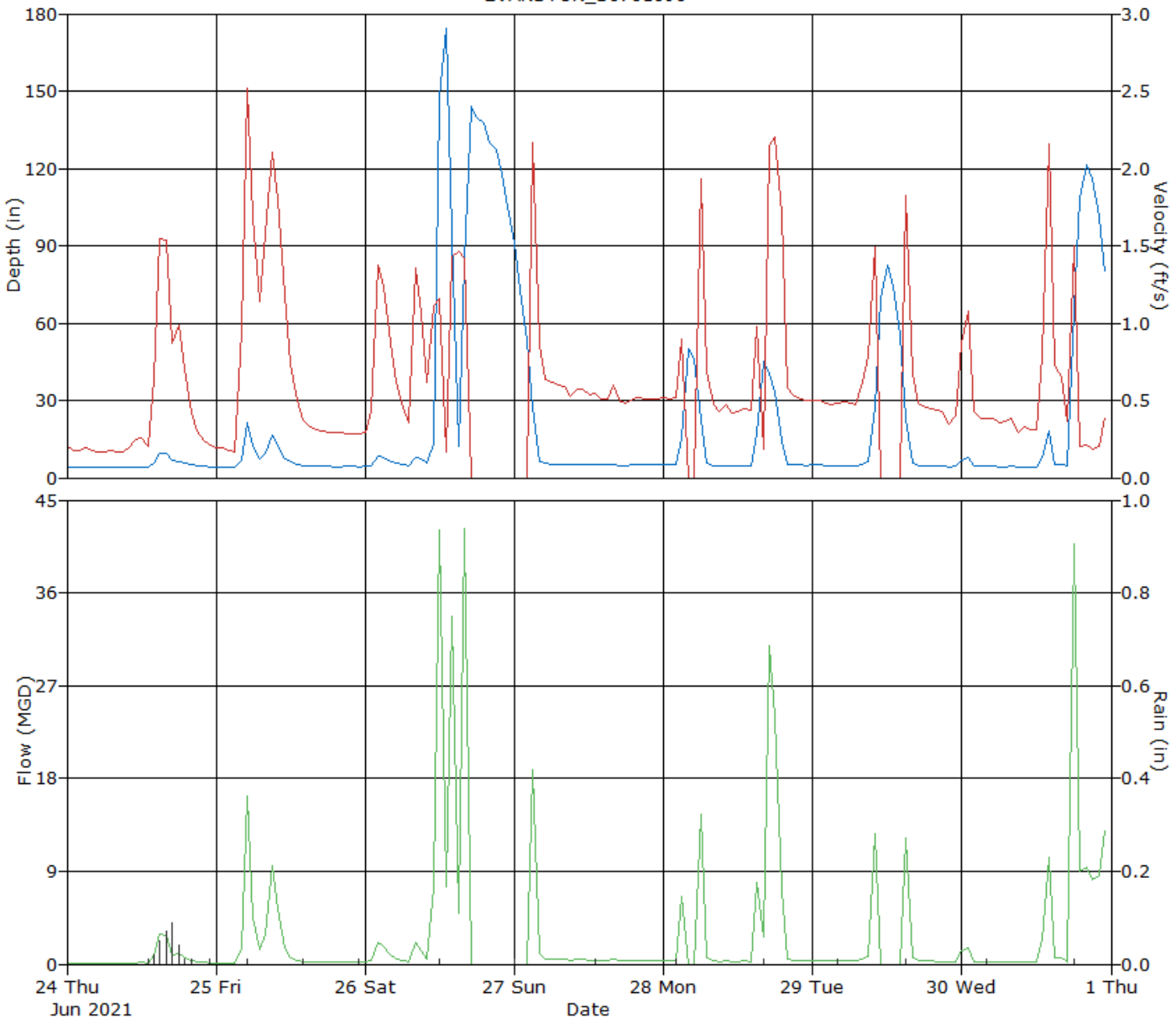
Pipe Height
113.00 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



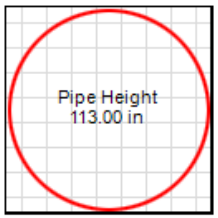
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

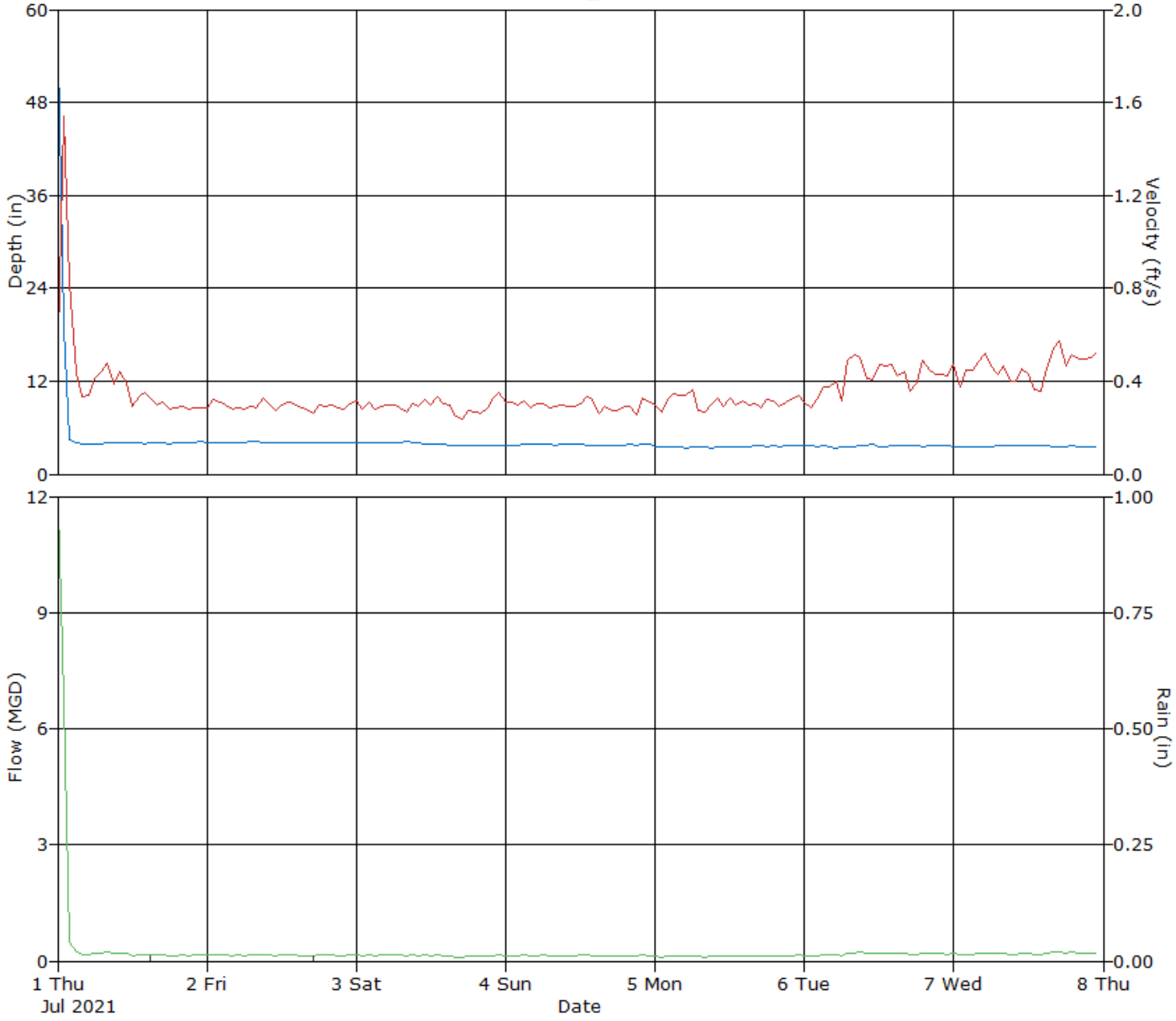


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



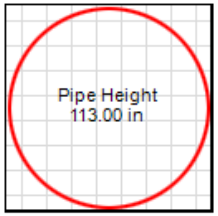
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

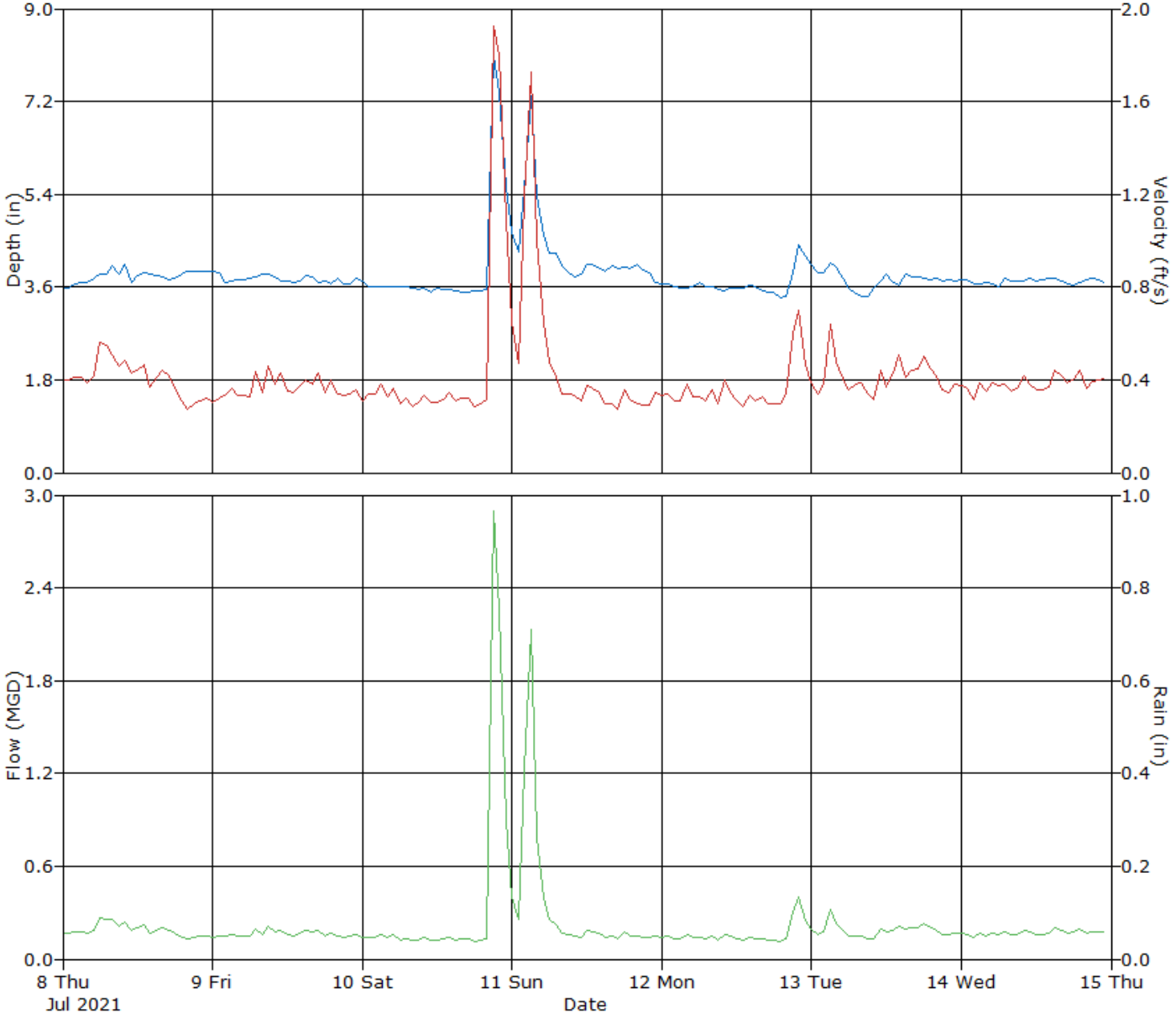


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



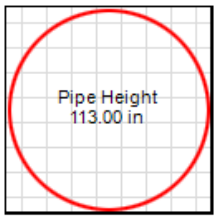
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090



Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



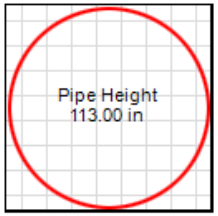
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

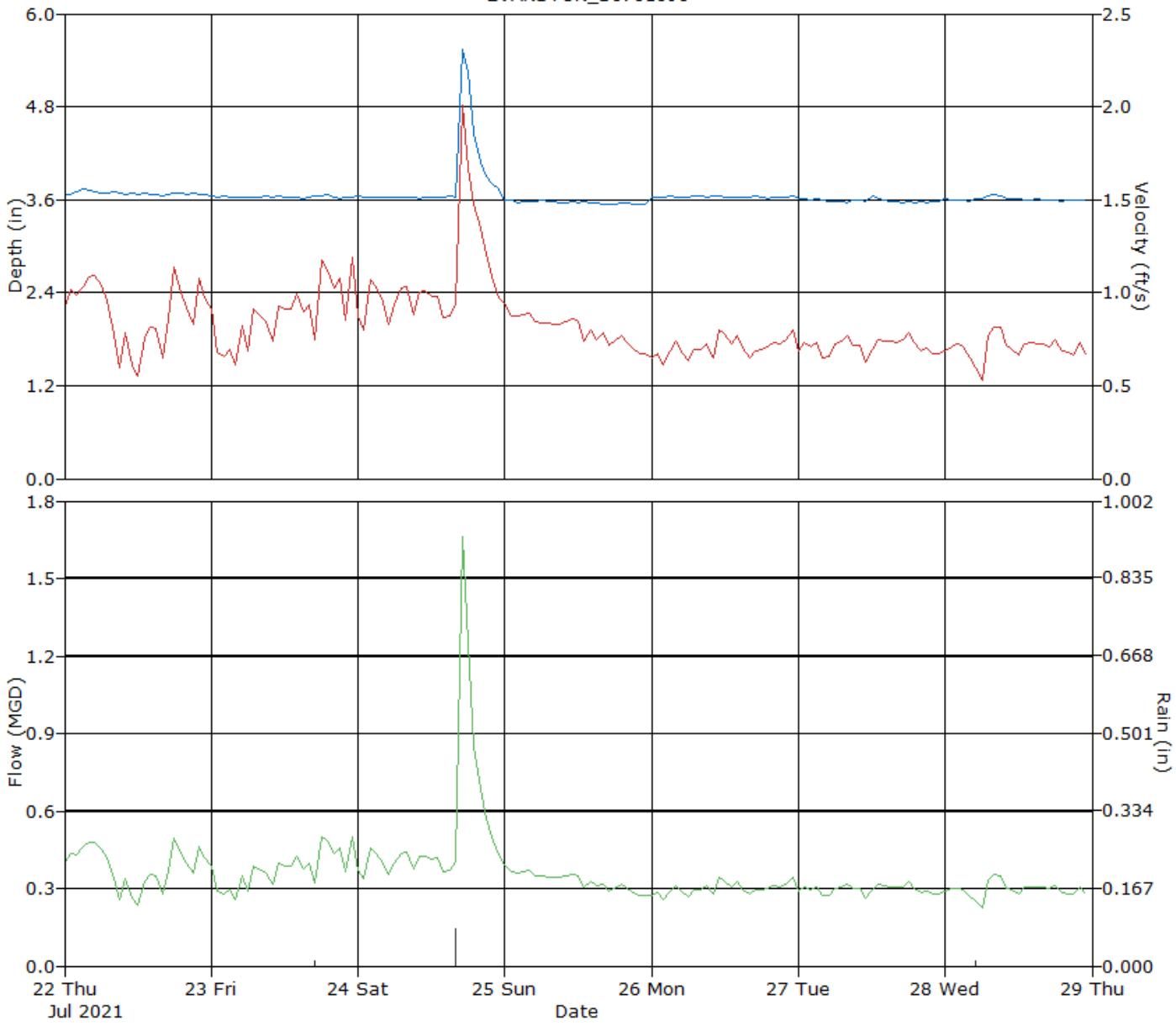


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



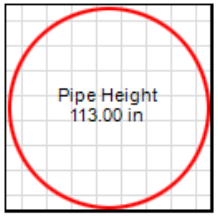
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

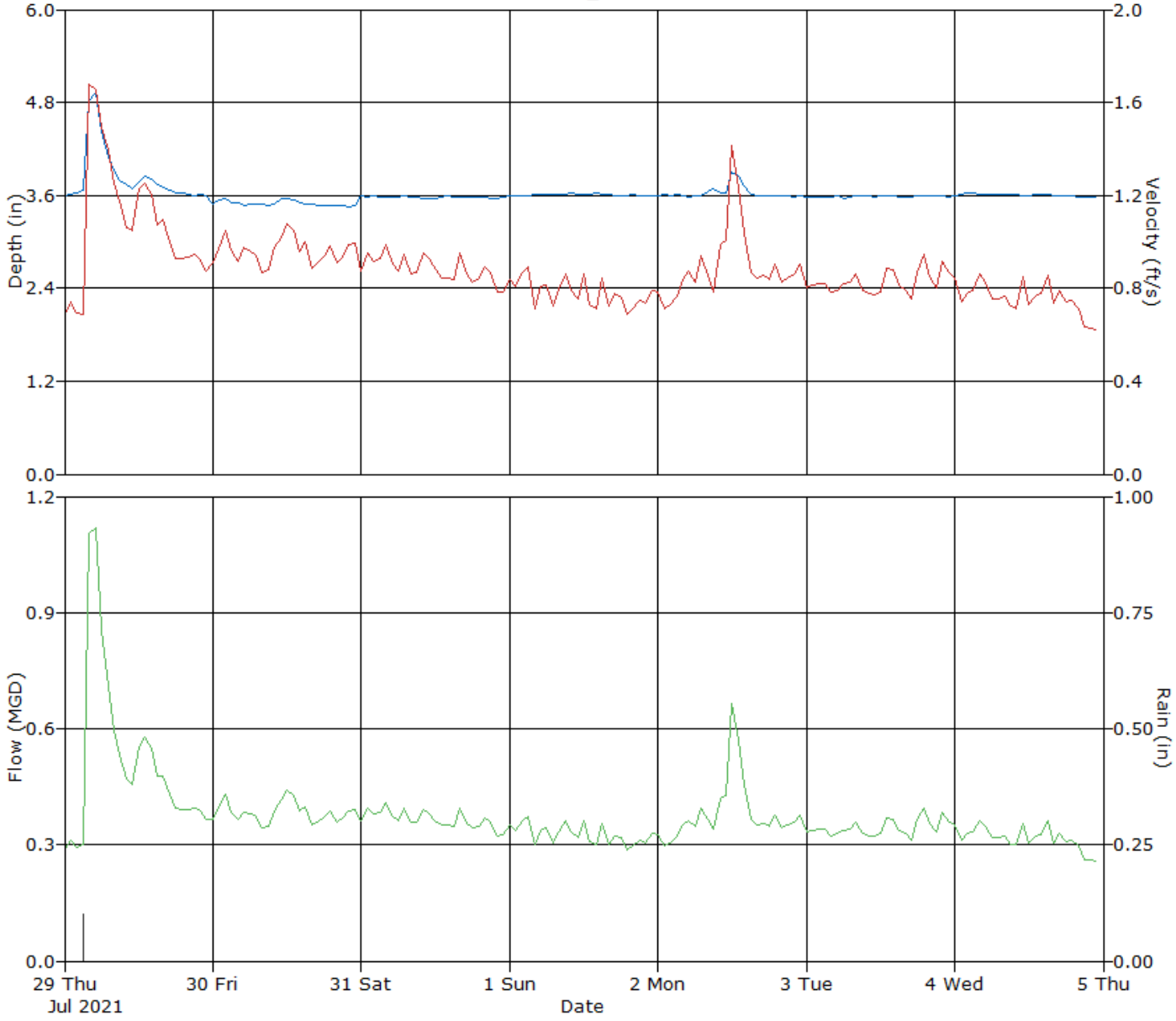


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



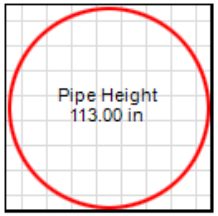
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

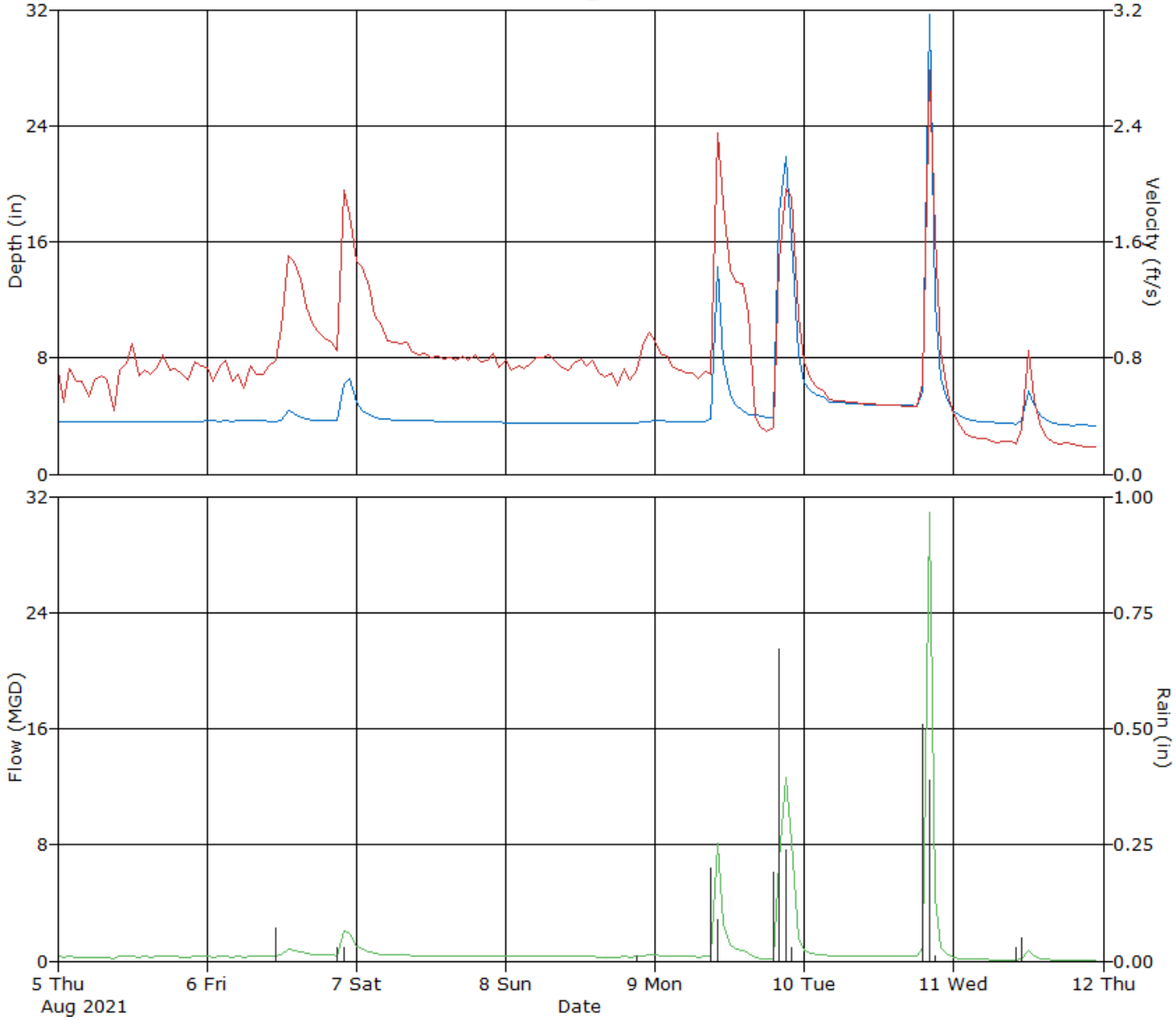


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



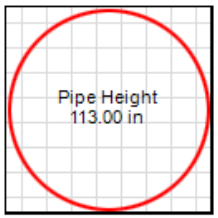
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

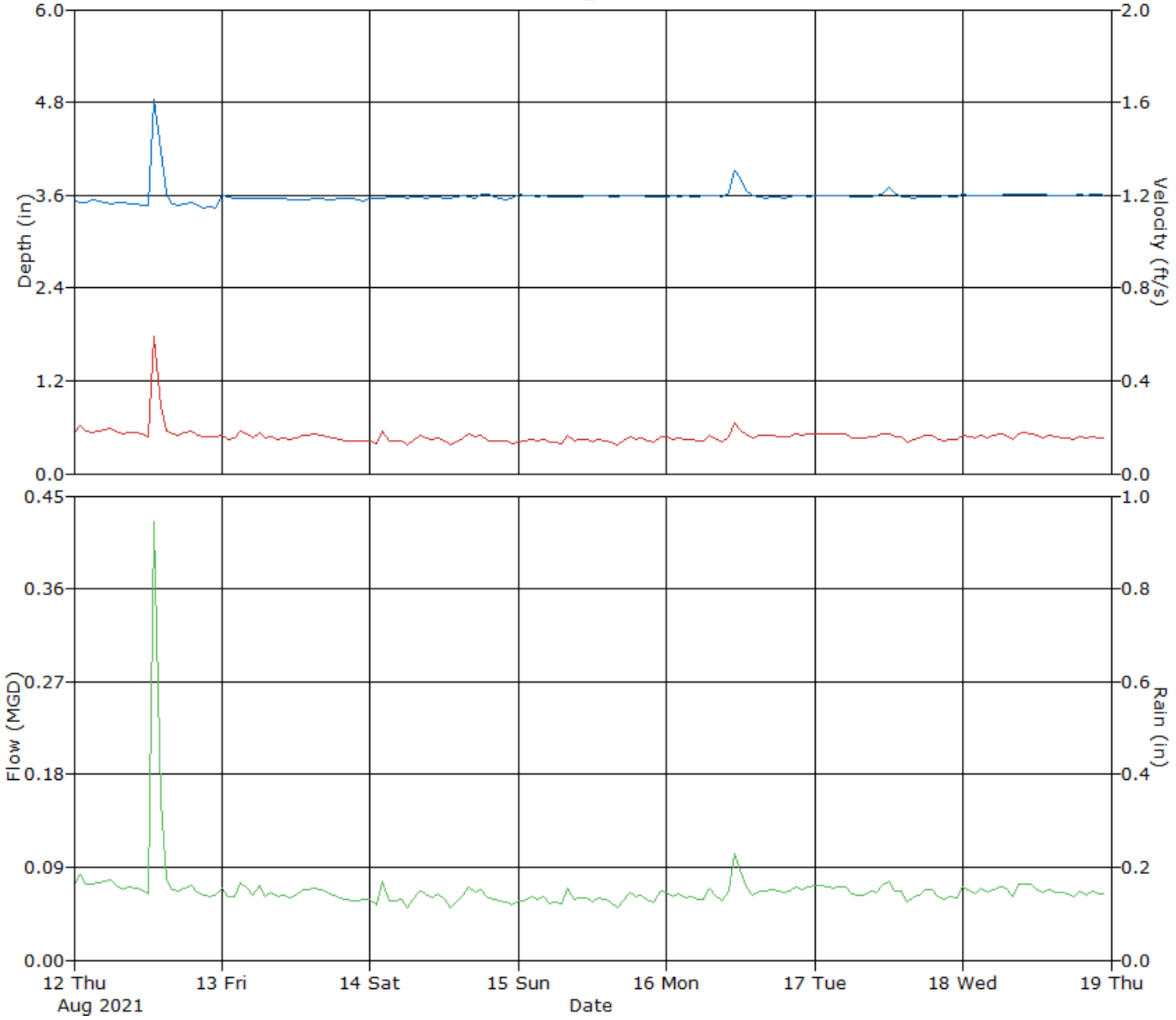


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



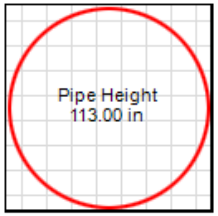
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

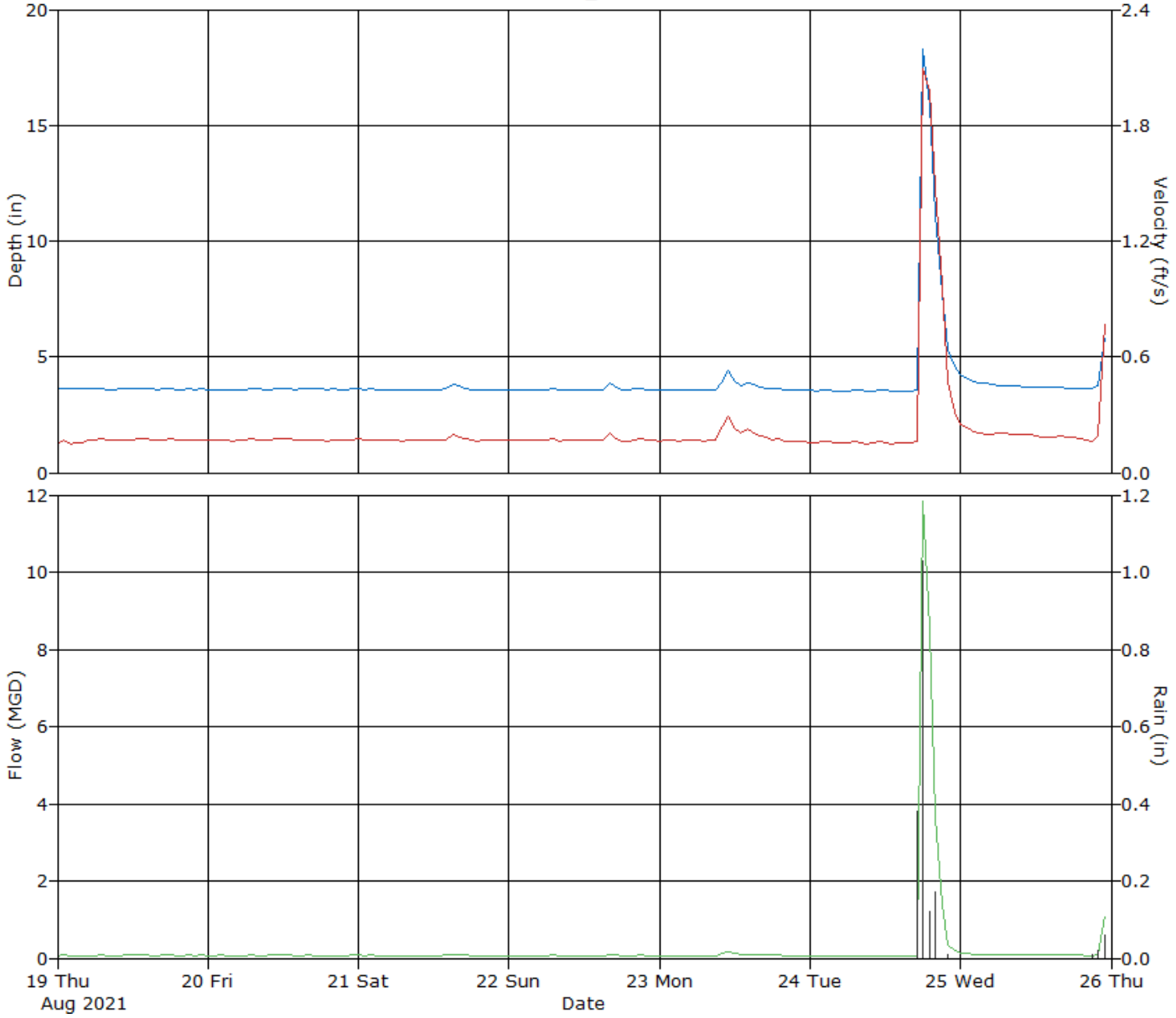


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



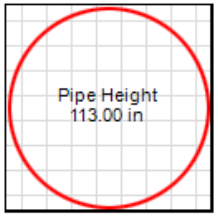
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0701090

Flow Monitor

EVANSTON_S0701090

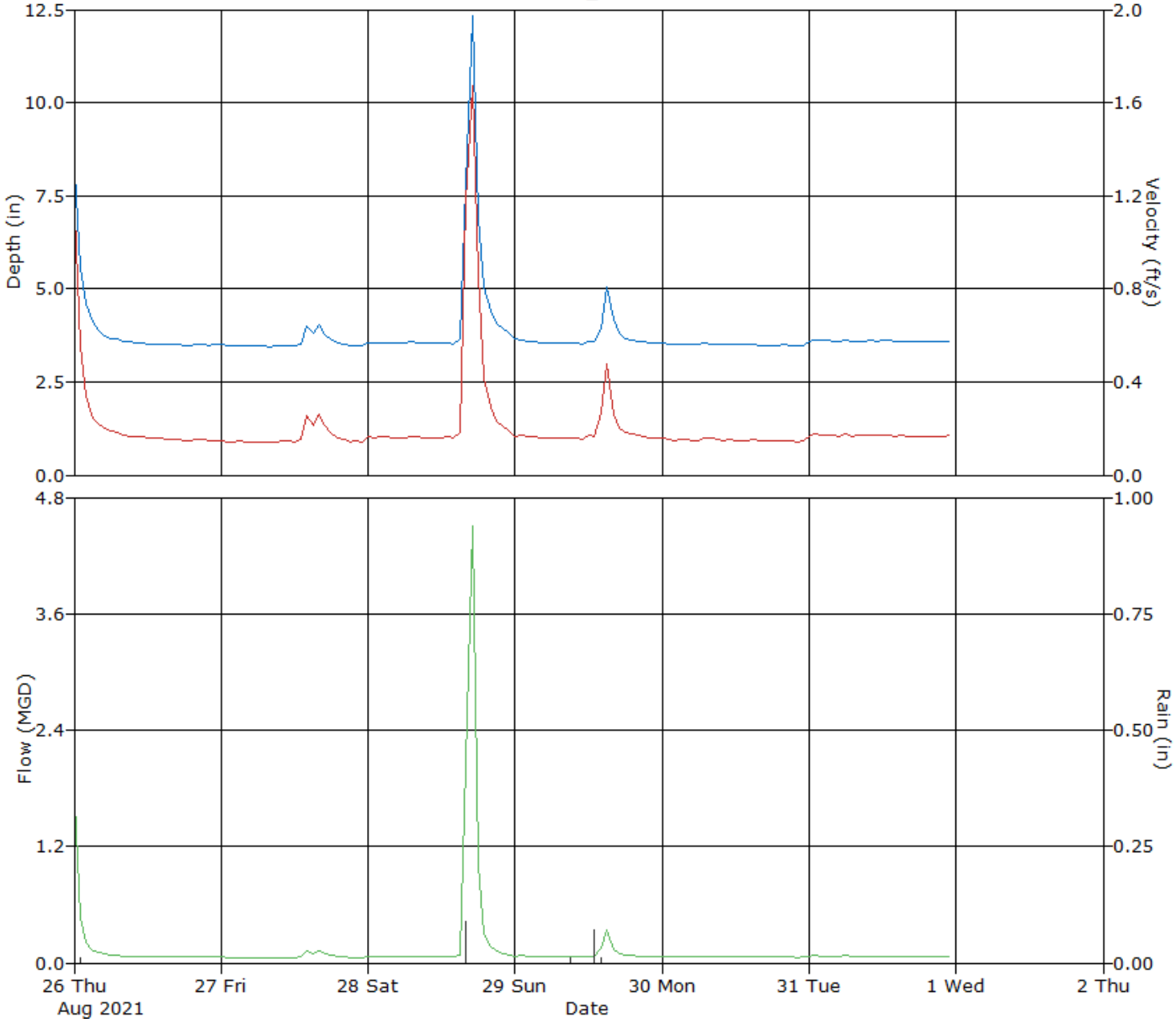


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S0701090, Pipe Height: 113.00 in, Silt: 0.25 in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.22
04/09/2021																	
04/10/2021																	0.58
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021	04:50	3.84	12:10	4.28	4.12	23:10	0.19	12:50	0.20	0.19	07:15	0.088	13:15	0.106	0.098	13077	
04/16/2021	22:30	3.75	06:40	4.25	4.13	22:05	0.18	11:10	0.20	0.19	22:30	0.080	11:10	0.105	0.097	12922	
04/17/2021	23:15	3.72	12:20	4.22	4.06	22:15	0.17	13:00	0.20	0.18	23:10	0.077	13:00	0.104	0.092	12314	
04/18/2021	04:05	3.69	15:35	4.27	4.05	06:55	0.17	19:00	0.20	0.18	04:05	0.075	19:00	0.103	0.090	12043	
04/19/2021	22:10	3.78	17:55	4.20	4.11	22:55	0.16	12:15	0.18	0.18	22:25	0.075	10:45	0.096	0.090	12001	
04/20/2021	21:50	3.60	14:05	4.32	3.85	19:05	0.15	12:55	0.17	0.16	21:50	0.066	13:40	0.093	0.075	10085	
04/21/2021	22:30	3.58	12:45	4.17	3.90	00:20	0.15	19:25	0.21	0.17	02:10	0.065	19:45	0.103	0.079	10581	0.02
04/22/2021	05:10	3.41	18:25	4.15	3.93	06:00	0.16	12:30	0.19	0.17	05:10	0.061	12:30	0.097	0.081	10831	
04/23/2021	19:40	3.88	10:55	4.32	4.10	06:30	0.15	10:00	0.21	0.17	03:35	0.074	10:55	0.113	0.086	11555	
04/24/2021	19:40	4.09	18:10	4.17	4.13	22:20	0.16	04:25	0.18	0.16	19:15	0.080	04:25	0.091	0.084	11170	
04/25/2021	03:35	3.70	01:35	4.13	3.99	09:55	0.15	01:15	0.17	0.15	03:40	0.064	01:15	0.086	0.074	9908	
04/26/2021	04:40	3.90	16:10	4.26	4.08	23:30	0.15	09:30	0.16	0.15	04:40	0.070	16:40	0.085	0.078	10454	
04/27/2021	16:35	4.06	16:45	4.15	4.11	10:15	0.14	18:50	0.17	0.16	09:50	0.074	18:50	0.090	0.080	10731	
04/28/2021	04:05	3.89	00:20	4.12	4.03	17:00	0.14	23:55	0.18	0.15	04:10	0.069	23:55	0.093	0.075	10021	0.03
04/29/2021	08:15	3.90	09:45	5.35	4.27	07:45	0.17	09:35	0.56	0.23	08:10	0.080	09:40	0.425	0.129	17227	0.07
04/30/2021	20:40	3.86	00:00	4.23	4.05	23:45	0.15	00:00	0.21	0.18	23:45	0.071	00:00	0.110	0.088	11744	
05/01/2021	00:35	3.89	15:45	4.14	4.08	15:10	0.14	13:05	0.18	0.16	11:05	0.072	13:05	0.089	0.079	10549	
05/02/2021	04:20	4.02	01:35	4.18	4.08	20:55	0.14	11:30	0.19	0.15	05:05	0.071	11:30	0.094	0.078	10424	
05/03/2021	02:10	4.04	21:50	5.42	4.28	03:10	0.14	21:35	0.58	0.21	03:10	0.071	21:40	0.441	0.122	16315	0.11
05/04/2021	23:00	3.91	00:00	4.59	4.14	22:45	0.15	00:00	0.26	0.18	22:55	0.072	00:00	0.157	0.094	12543	0.01
05/05/2021	05:10	3.78	11:55	4.12	4.04	06:00	0.13	15:05	0.19	0.15	05:35	0.063	15:05	0.096	0.076	10106	
05/06/2021	06:15	3.95	12:00	4.69	4.14	06:05	0.13	11:45	0.33	0.18	06:10	0.065	11:45	0.206	0.093	12427	0.05
05/07/2021	22:25	3.79	10:00	4.25	4.00	22:15	0.13	12:30	0.17	0.15	22:25	0.058	10:05	0.087	0.074	9875	
05/08/2021	04:20	3.59	21:40	4.08	3.93	05:00	0.11	17:10	0.16	0.14	04:10	0.048	11:15	0.079	0.068	9153	
05/09/2021	02:10	3.77	11:15	4.43	4.04	20:20	0.14	11:10	0.28	0.17	02:10	0.062	11:10	0.162	0.083	11130	0.05
05/10/2021	23:30	3.73	13:15	4.07	3.93	09:35	0.13	13:15	0.17	0.15	22:55	0.058	13:15	0.087	0.069	9285	
05/11/2021	05:25	3.45	11:35	4.12	3.83	05:50	0.11	12:20	0.18	0.14	03:10	0.045	12:20	0.090	0.064	8538	
05/12/2021	03:40	3.46	11:40	4.40	3.88	03:55	0.11	11:35	0.25	0.15	03:50	0.045	11:35	0.142	0.070	9364	
05/13/2021	02:45	3.53	11:05	4.11	3.88	10:50	0.10	17:30	0.15	0.13	04:50	0.042	17:30	0.076	0.061	8104	
05/14/2021	04:15	3.69	13:40	4.50	4.00	02:30	0.10	13:30	0.32	0.14	02:30	0.043	13:35	0.188	0.070	9357	
05/15/2021	20:15	3.95	23:20	4.15	4.08	12:50	0.12	06:55	0.14	0.13	12:50	0.060	07:25	0.072	0.067	8991	0.01
05/16/2021	21:05	3.90	09:50	4.17	4.07	09:50	0.12	06:55	0.15	0.14	11:10	0.060	06:55	0.076	0.069	9254	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	10:50	4.03	21:45	4.09	4.06	11:15	0.10	00:10	0.16	0.13	11:15	0.051	02:15	0.078	0.065	8738	
05/18/2021	19:00	3.97	21:05	5.08	4.16	00:00	0.10	20:45	0.48	0.16	00:00	0.051	20:55	0.334	0.090	12047	0.09
05/19/2021	06:25	3.95	11:10	8.54	4.50	08:35	0.12	11:00	1.17	0.23	08:35	0.059	11:00	1.716	0.173	23068	0.10
05/20/2021	16:25	3.77	13:20	4.30	4.06	05:30	0.12	20:35	0.19	0.15	05:30	0.062	12:45	0.094	0.076	10214	
05/21/2021	17:05	3.54	00:50	4.33	3.94	16:00	0.14	13:55	0.20	0.16	17:00	0.059	13:55	0.098	0.075	10013	
05/22/2021	11:05	3.48	13:25	3.85	3.67	14:35	0.13	09:15	0.17	0.15	11:05	0.054	09:15	0.075	0.064	8542	
05/23/2021	02:35	3.48	21:35	7.15	3.94	11:35	0.14	21:30	1.11	0.23	02:30	0.058	21:30	1.299	0.146	19532	0.10
05/24/2021	16:00	3.50	00:00	4.60	3.82	23:30	0.11	00:00	0.33	0.15	23:30	0.051	00:00	0.199	0.072	9593	
05/25/2021	20:30	3.48	18:50	3.87	3.73	14:15	0.10	18:45	0.16	0.13	14:15	0.045	18:45	0.070	0.058	7723	
05/26/2021	23:55	3.63	02:00	35.38	6.07	01:10	0.12	01:45	2.60	0.54	01:10	0.053	01:50	28.632	1.348	180221	1.46
05/27/2021	00:30	3.56	18:20	4.08	3.78	14:05	0.15	18:35	0.23	0.18	14:05	0.068	18:20	0.114	0.081	10880	0.03
05/28/2021	16:55	3.58	05:40	8.21	4.28	19:50	0.13	05:35	1.44	0.30	17:05	0.056	05:35	2.050	0.229	30595	0.23
05/29/2021	01:30	3.60	14:45	4.03	3.81	21:15	0.12	19:45	0.22	0.15	21:15	0.055	19:45	0.103	0.071	9426	
05/30/2021	04:00	3.55	08:45	3.98	3.82	02:55	0.11	22:55	0.19	0.15	02:55	0.045	22:55	0.089	0.067	8964	
05/31/2021	23:50	3.78	07:30	3.94	3.86	15:40	0.12	20:50	0.22	0.14	15:40	0.058	20:50	0.098	0.067	8951	
06/01/2021	04:25	3.69	10:30	3.92	3.79	00:40	0.13	15:45	0.19	0.15	00:40	0.057	15:45	0.085	0.066	8827	
06/02/2021	18:25	3.57	21:20	3.89	3.76	00:55	0.13	09:20	0.15	0.14	17:55	0.058	09:20	0.071	0.064	8531	
06/03/2021	16:40	3.57	11:10	4.01	3.75	23:25	0.13	10:00	0.19	0.14	23:25	0.055	10:00	0.086	0.063	8413	
06/04/2021	01:30	3.57	11:20	3.79	3.70	23:55	0.12	20:05	0.17	0.14	23:55	0.053	20:05	0.077	0.060	7990	
06/05/2021	15:25	3.68	11:30	3.79	3.72	00:10	0.12	22:00	0.14	0.13	00:10	0.052	22:00	0.064	0.058	7718	
06/06/2021	13:40	3.58	12:55	3.87	3.68	21:00	0.12	08:05	0.16	0.13	13:55	0.049	08:05	0.070	0.057	7653	
06/07/2021	06:55	3.43	17:35	3.75	3.61	23:05	0.12	17:55	0.18	0.13	06:55	0.049	17:55	0.076	0.056	7470	
06/08/2021	06:20	3.36	23:55	3.65	3.52	18:05	0.12	10:15	0.15	0.13	06:20	0.046	09:05	0.060	0.053	7133	
06/09/2021	20:00	3.22	00:05	3.67	3.43	17:30	0.12	09:10	0.18	0.13	20:00	0.045	09:10	0.075	0.052	6977	
06/10/2021	11:25	3.19	19:50	3.68	3.48	22:15	0.12	05:15	0.19	0.14	11:25	0.048	16:25	0.076	0.056	7432	
06/11/2021	05:40	3.19	21:10	3.84	3.50	18:10	0.11	21:30	0.17	0.13	05:40	0.043	21:30	0.073	0.053	7113	
06/12/2021	00:25	3.23	15:20	40.17	5.09	10:15	0.12	15:25	2.45	0.31	08:05	0.046	15:20	33.294	0.914	122182	0.62
06/13/2021	09:00	3.44	00:10	4.00	3.80	23:25	0.11	10:35	0.21	0.13	08:40	0.048	10:35	0.091	0.061	8123	
06/14/2021	10:45	3.09	13:55	4.58	3.72	01:25	0.10	13:55	0.23	0.14	10:45	0.041	13:55	0.141	0.063	8413	
06/15/2021	09:45	3.09	16:05	3.87	3.67	22:55	0.10	16:00	0.22	0.14	09:45	0.044	16:00	0.103	0.061	8215	
06/16/2021	08:55	3.31	18:35	4.93	3.88	08:30	0.09	18:35	0.52	0.14	08:55	0.042	18:35	0.348	0.065	8749	
06/17/2021	23:55	3.67	04:40	4.26	3.86	23:20	0.09	04:40	0.35	0.12	23:20	0.039	04:40	0.187	0.057	7597	
06/18/2021	03:00	3.54	05:20	25.41	4.93	00:20	0.10	05:15	2.48	0.36	00:20	0.044	05:15	18.482	0.693	92634	0.38
06/19/2021	04:50	3.23	18:15	4.71	3.61	10:35	0.10	18:15	0.46	0.15	10:35	0.042	18:15	0.290	0.063	8371	
06/20/2021	21:40	2.84	23:35	95.45	5.58	04:35	0.13	23:30	3.77	0.28	08:55	0.051	23:30	123.515	2.329	311382	1.78
06/21/2021	22:35	4.20	00:00	56.27	6.20	22:35	0.20	00:05	3.22	0.56	22:35	0.108	00:00	68.548	1.646	220093	0.03
06/22/2021	14:15	3.50	14:40	5.96	4.14	20:20	0.17	14:40	0.76	0.21	14:15	0.084	14:40	0.684	0.111	14783	
06/23/2021	16:40	3.87	16:00	4.16	4.01	20:45	0.16	05:00	0.28	0.18	20:45	0.077	04:55	0.137	0.091	12153	
06/24/2021	04:15	3.88	15:05	11.16	4.89	09:10	0.15	14:55	1.94	0.42	09:10	0.074	15:00	4.317	0.461	61638	0.31
06/25/2021	04:05	3.84	05:25	29.57	6.86	03:15	0.15	05:25	2.93	0.75	02:05	0.077	05:25	27.390	1.918	256458	0.03
06/26/2021	01:30	4.17	13:10	178.82	62.27	16:35	0.00	16:20	5.70	0.64	16:35	0.000	16:25	175.001	6.166	824279	0.01
06/27/2021	09:40	3.94	00:00	98.47	14.43	00:00	0.00	03:40	2.38	0.56	00:00	0.000	03:00	31.093	1.127	150613	0.02
06/28/2021	07:45	4.53	04:15	51.37	14.87	03:55	0.00	03:40	2.36	0.73	03:55	0.000	16:55	31.847	4.109	549250	0.02
06/29/2021	22:30	3.92	12:15	83.81	17.47	10:45	0.00	15:30	2.35	0.51	10:45	0.000	10:50	30.166	1.291	172592	0.02
06/30/2021	09:00	3.74	20:25	123.81	28.93	18:45	0.07	18:20	4.27	0.55	09:00	0.089	18:25	123.012	4.510	602884	0.02
07/01/2021	18:35	3.86	00:00	66.46	6.74	12:20	0.19	01:35	2.05	0.43	12:20	0.093	00:05	13.211	0.940	125704	0.01
07/02/2021	16:30	4.01	17:30	4.48	4.10	05:55	0.22	01:25	0.55	0.29	05:55	0.110	01:25	0.280	0.149	19917	0.01
07/03/2021	19:05	3.53	13:50	4.40	3.88	17:20	0.20	02:20	0.44	0.29	17:20	0.087	02:20	0.217	0.138	18392	
07/04/2021	23:20	3.55	23:35	4.34	3.78	11:15	0.19	19:50	0.42	0.30	16:50	0.085	20:05	0.207	0.133	17829	
07/05/2021	10:05	3.32	14:45	3.79	3.54	00:40	0.20	23:35	0.50	0.31	00:40	0.081	23:35	0.218	0.126	16891	
07/06/2021	05:15	3.33	11:00	4.18	3.60	15:00	0.21	09:25	0.91	0.41	15:00	0.087	09:25	0.408	0.174	23207	
07/07/2021	17:25	3.39	19:35	4.22	3.58	07:40	0.25	22:35	0.71	0.46	04:00	0.102	19:50	0.306	0.192	25601	
07/08/2021	11:25	3.42	10:25	4.26	3.81	20:10	0.12	16:40	0.67	0.41	20:10	0.057	10:20	0.329	0.187	25042	
07/09/2021	19:30	3.64	15:50	4.17	3.75	20:40	0.23	07:40	0.62	0.37	19:30	0.098	07:40	0.282	0.163	21771	
07/10/2021	15:30	3.45	21:40	10.10	4.00	17:10	0.20	21:10	2.16	0.48	17:10	0.079	21:40	4.138	0.368	49164	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	23:55	3.65	03:00	8.43	4.30	20:05	0.21	02:45	2.13	0.49	23:45	0.104	02:50	3.030	0.340	45388	
07/12/2021	20:00	3.22	22:05	4.52	3.65	03:30	0.21	21:45	1.05	0.36	19:15	0.087	21:45	0.588	0.157	21046	
07/13/2021	06:50	2.89	15:30	4.43	3.74	21:50	0.21	03:30	0.88	0.41	21:50	0.093	03:30	0.438	0.184	24621	
07/14/2021	07:00	2.96	07:20	4.50	3.71	01:35	0.20	19:25	0.72	0.38	01:35	0.087	19:25	0.313	0.168	22422	
07/15/2021	03:55	2.86	23:55	12.52	4.08	05:05	0.23	22:25	2.13	0.54	05:05	0.081	23:55	5.667	0.381	50999	0.37
07/16/2021	23:05	3.27	00:30	25.06	5.03	23:05	0.60	00:20	3.28	1.09	23:05	0.217	00:20	23.284	1.308	174854	0.32
07/17/2021	08:50	3.00	12:20	4.05	3.43	11:00	0.50	12:15	1.11	0.72	11:00	0.169	12:15	0.539	0.281	37498	
07/18/2021	13:20	3.26	11:25	3.64	3.48	13:20	0.59	11:25	0.87	0.75	13:20	0.212	11:25	0.373	0.300	40046	
07/19/2021	13:45	2.95	23:15	3.73	3.50	14:00	0.52	23:15	0.94	0.77	14:00	0.181	23:15	0.415	0.311	41570	
07/20/2021	02:25	3.26	12:15	3.87	3.64	17:10	0.49	13:10	1.76	0.91	02:25	0.211	13:10	0.807	0.392	52405	
07/21/2021	10:25	3.63	00:00	3.70	3.67	17:40	0.41	23:30	1.31	0.91	17:40	0.178	23:30	0.565	0.390	52200	
07/22/2021	16:45	3.64	03:35	3.77	3.68	08:50	0.42	03:40	1.33	0.89	08:50	0.184	03:40	0.594	0.384	51347	
07/23/2021	21:35	3.59	19:05	3.67	3.64	01:45	0.42	18:45	1.37	0.88	01:45	0.180	18:45	0.584	0.375	50158	0.01
07/24/2021	10:00	3.60	17:35	6.32	3.85	01:10	0.47	17:25	2.30	1.08	01:10	0.199	17:25	2.141	0.531	71021	0.08
07/25/2021	18:35	3.52	00:10	3.62	3.56	21:30	0.49	00:30	1.01	0.80	21:30	0.201	00:30	0.423	0.331	44193	
07/26/2021	19:20	3.60	23:20	3.67	3.63	02:20	0.41	22:55	0.96	0.71	02:20	0.172	22:55	0.408	0.300	40047	
07/27/2021	22:15	3.54	12:35	3.66	3.59	12:25	0.44	03:05	1.04	0.71	12:25	0.186	03:05	0.434	0.296	39619	
07/28/2021	04:30	3.55	08:10	3.68	3.61	06:20	0.37	09:55	0.91	0.70	06:20	0.157	09:55	0.387	0.295	39427	0.01
07/29/2021	23:45	3.59	04:55	5.16	3.84	03:30	0.36	04:35	1.77	1.08	03:30	0.151	04:45	1.260	0.518	69221	0.10
07/30/2021	22:25	3.43	02:00	3.58	3.49	08:15	0.66	12:30	1.18	0.96	08:15	0.265	12:30	0.485	0.384	51298	
07/31/2021	22:05	3.54	14:50	3.62	3.58	18:10	0.45	04:05	1.16	0.88	18:10	0.186	04:05	0.483	0.366	48887	
08/01/2021	02:55	3.56	10:50	3.66	3.61	21:55	0.42	09:20	1.03	0.78	21:55	0.176	09:20	0.434	0.327	43769	
08/02/2021	05:20	3.57	12:35	3.94	3.63	02:10	0.47	12:35	1.44	0.90	02:10	0.199	12:35	0.692	0.382	51125	
08/03/2021	06:10	3.54	12:00	3.61	3.58	04:10	0.56	19:40	1.11	0.83	04:10	0.231	19:40	0.461	0.344	45921	
08/04/2021	22:55	3.56	02:35	3.65	3.60	20:10	0.35	11:35	1.07	0.76	20:10	0.144	11:35	0.449	0.317	42331	
08/05/2021	22:20	3.55	11:20	3.65	3.59	09:45	0.27	12:55	1.03	0.69	09:45	0.113	12:55	0.433	0.286	38231	
08/06/2021	11:50	3.62	22:45	8.12	3.96	09:10	0.29	22:30	2.33	0.97	09:10	0.124	22:45	3.164	0.536	71604	0.13
08/07/2021	18:45	3.61	00:00	5.47	3.77	23:10	0.63	00:40	1.51	0.91	23:10	0.266	00:00	1.165	0.422	56421	
08/08/2021	19:20	3.48	23:50	3.66	3.52	18:25	0.32	23:25	1.06	0.75	18:25	0.129	23:25	0.452	0.305	40838	0.01
08/09/2021	09:40	3.57	21:05	31.42	6.55	19:50	0.27	10:15	2.81	1.02	19:50	0.124	21:10	25.820	1.961	262164	1.42
08/10/2021	19:40	4.65	20:10	45.45	6.49	19:45	0.33	20:20	3.40	0.68	19:45	0.204	20:10	55.153	1.849	247216	0.91
08/11/2021	23:55	3.33	12:15	6.01	3.74	21:25	0.16	12:10	1.00	0.28	21:25	0.061	12:10	0.889	0.140	18745	0.08
08/12/2021	21:45	3.41	13:30	5.54	3.58	23:05	0.14	13:25	0.91	0.20	23:05	0.055	13:25	0.724	0.089	11849	
08/13/2021	13:15	3.52	00:35	3.61	3.56	17:20	0.10	06:50	0.32	0.16	17:20	0.042	06:50	0.131	0.064	8602	
08/14/2021	22:40	3.53	18:55	3.65	3.57	06:05	0.10	02:30	0.36	0.15	06:05	0.041	02:30	0.149	0.060	8061	
08/15/2021	05:50	3.55	00:25	3.62	3.59	15:05	0.11	17:45	0.17	0.14	15:05	0.047	17:45	0.073	0.059	7936	
08/16/2021	16:35	3.55	11:25	3.96	3.61	20:30	0.12	11:10	0.24	0.16	20:30	0.049	11:10	0.116	0.067	9019	
08/17/2021	16:50	3.54	12:15	3.74	3.59	20:05	0.12	12:20	0.20	0.16	16:10	0.048	12:20	0.088	0.066	8855	
08/18/2021	23:00	3.57	07:35	3.63	3.60	20:35	0.12	07:25	0.18	0.16	20:35	0.049	07:25	0.076	0.067	8951	
08/19/2021	16:15	3.58	01:30	3.64	3.61	00:15	0.12	01:30	0.18	0.17	00:15	0.052	01:30	0.077	0.070	9423	
08/20/2021	04:30	3.57	07:55	3.66	3.61	04:35	0.12	07:55	0.18	0.17	04:35	0.050	07:55	0.079	0.072	9588	
08/21/2021	23:40	3.56	15:40	3.91	3.61	19:20	0.12	15:35	0.24	0.17	19:20	0.051	15:35	0.112	0.072	9612	
08/22/2021	08:45	3.57	16:30	3.94	3.61	08:10	0.12	16:25	0.23	0.17	08:10	0.051	16:25	0.112	0.072	9614	
08/23/2021	22:50	3.56	11:00	4.62	3.68	21:10	0.12	11:00	0.38	0.18	21:10	0.049	11:00	0.233	0.082	10896	
08/24/2021	13:35	3.50	18:40	23.47	5.28	09:25	0.11	19:00	2.75	0.42	09:25	0.045	19:00	17.688	1.131	151140	1.71
08/25/2021	20:50	3.60	23:55	9.91	3.84	21:55	0.14	23:45	1.71	0.22	21:55	0.061	23:50	3.122	0.130	17433	0.09
08/26/2021	18:35	3.47	00:00	9.79	3.90	23:15	0.14	00:00	1.38	0.23	23:15	0.057	00:00	2.588	0.159	21248	0.01
08/27/2021	08:15	3.44	16:05	4.11	3.55	01:50	0.11	16:05	0.28	0.16	01:50	0.043	16:05	0.143	0.067	9006	
08/28/2021	14:55	3.51	17:05	13.64	4.38	14:55	0.15	16:50	1.98	0.32	14:55	0.062	17:25	5.784	0.392	52429	0.09
08/29/2021	11:00	3.52	15:05	5.35	3.69	03:40	0.14	14:55	0.71	0.19	03:40	0.057	14:55	0.520	0.087	11626	0.09
08/30/2021	22:30	3.46	00:10	3.56	3.50	14:35	0.10	07:50	0.16	0.15	14:35	0.041	07:50	0.067	0.060	8056	
08/31/2021	21:45	3.56	01:10	3.63	3.59	00:15	0.12	01:10	0.18	0.17	00:15	0.051	01:10	0.076	0.070	9410	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			6959158	11.87
Avg	4.85	0.35	0.375	

Evanston, IL

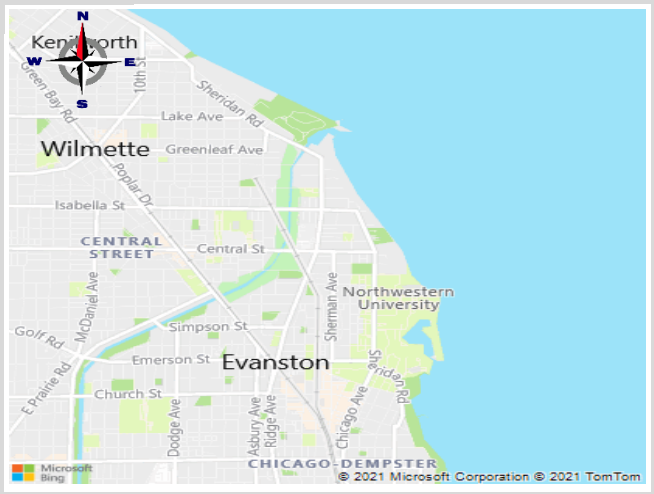
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

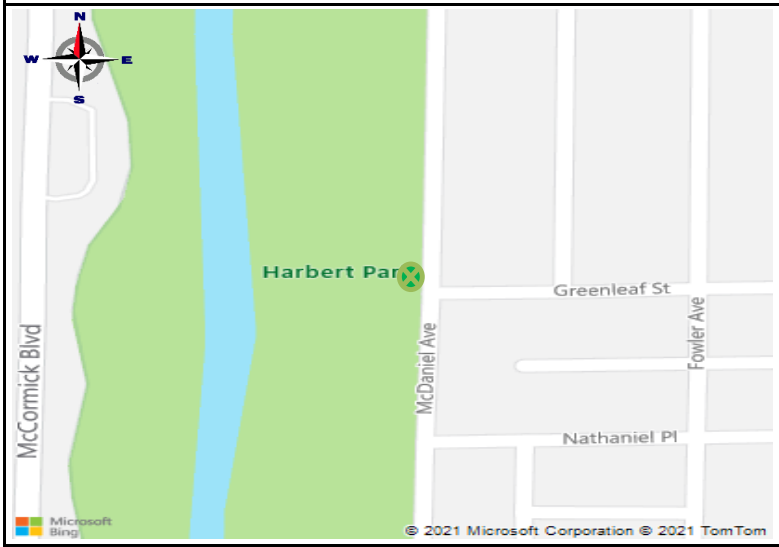
S0901000 (MP1)

Site Address /Location:	Near intersection of McDaniel Ave. and Greenleaf St.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in grass	Latitude:	42.037389	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.708675	30 x 30	Circular



Manhole #	System Characteristics
S09_01000	Other
Access	Traffic
Drive	None







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, April 08, 2021	Doppler Standard Ring and Crank
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
11:35:00 AM	30 x 30
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
11.25	N/A
Downlooker Physical Offset (in)	Measurement Confidence (in)
N/A	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.5	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
19.3	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

Upstream S



Downstream



Upstream N



Downstream Weir



SCATTERGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

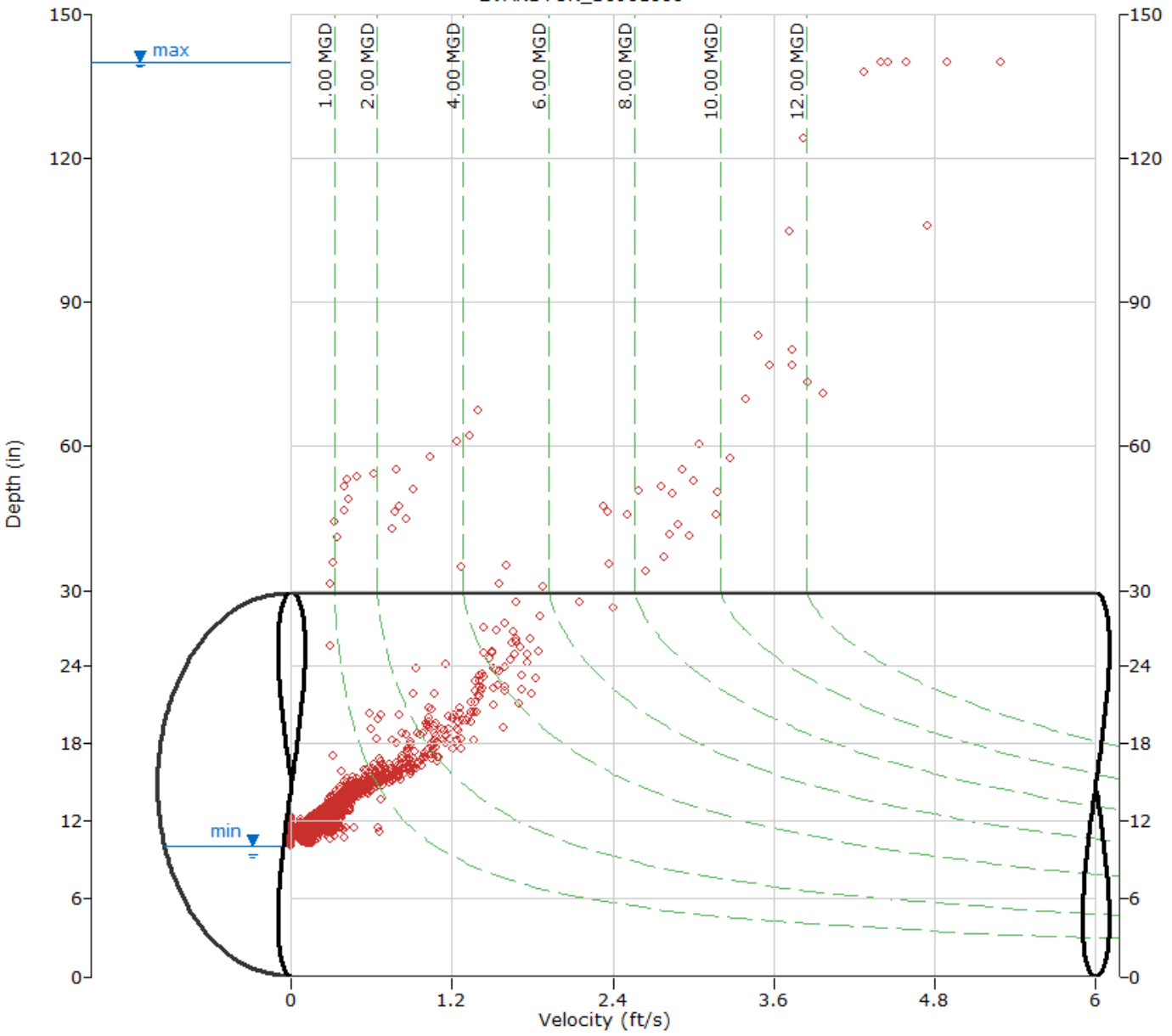
Pipe Height
29.75 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



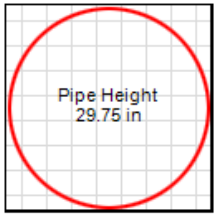
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

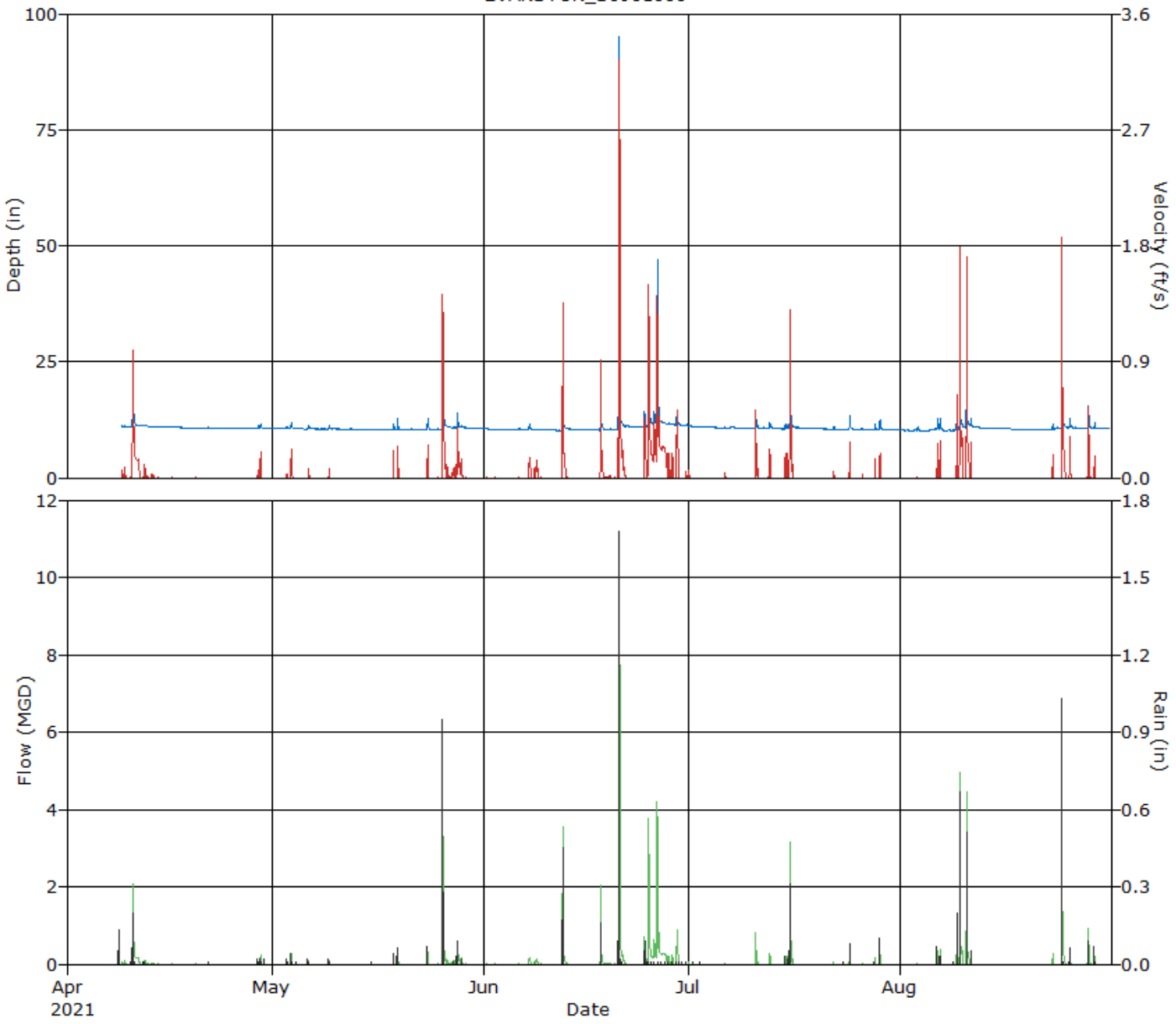


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



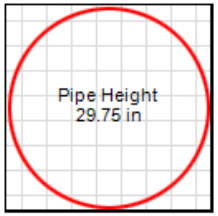
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

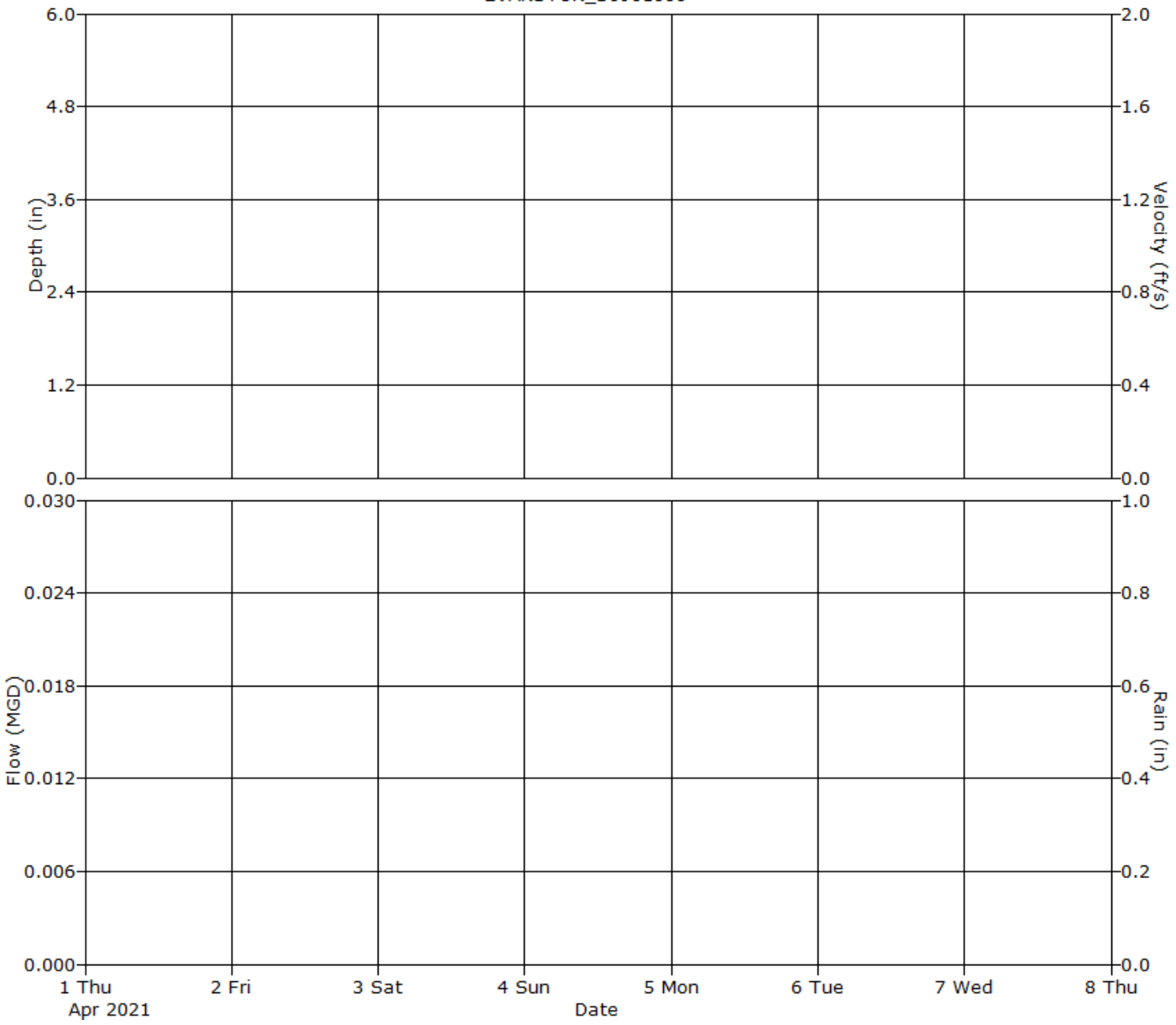


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



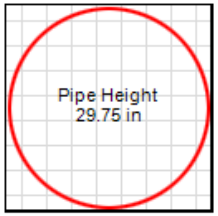
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

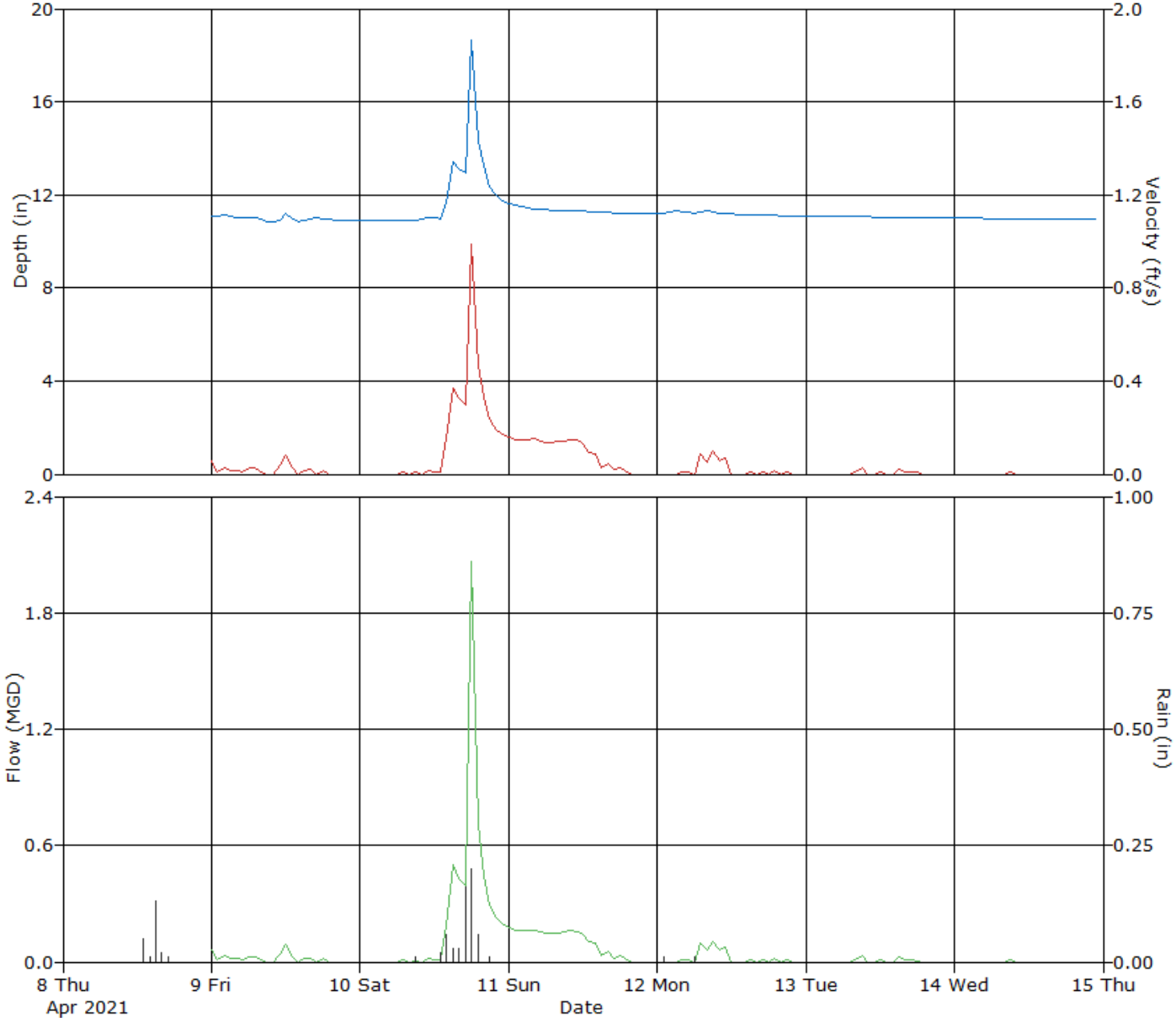


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



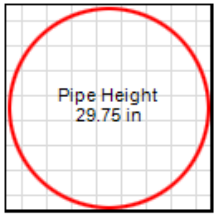
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

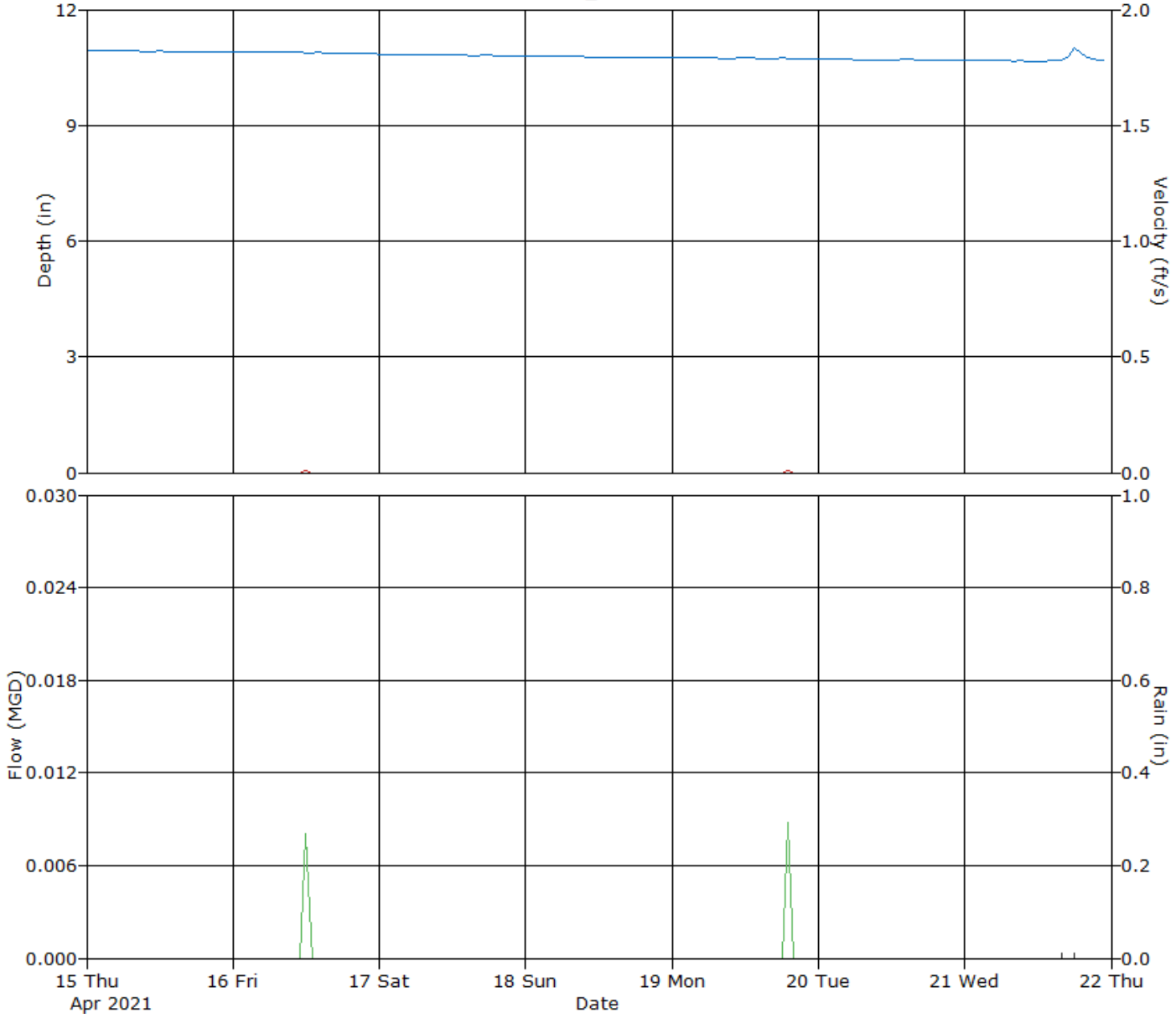


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



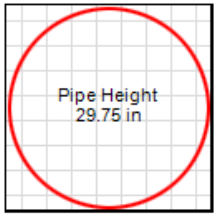
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

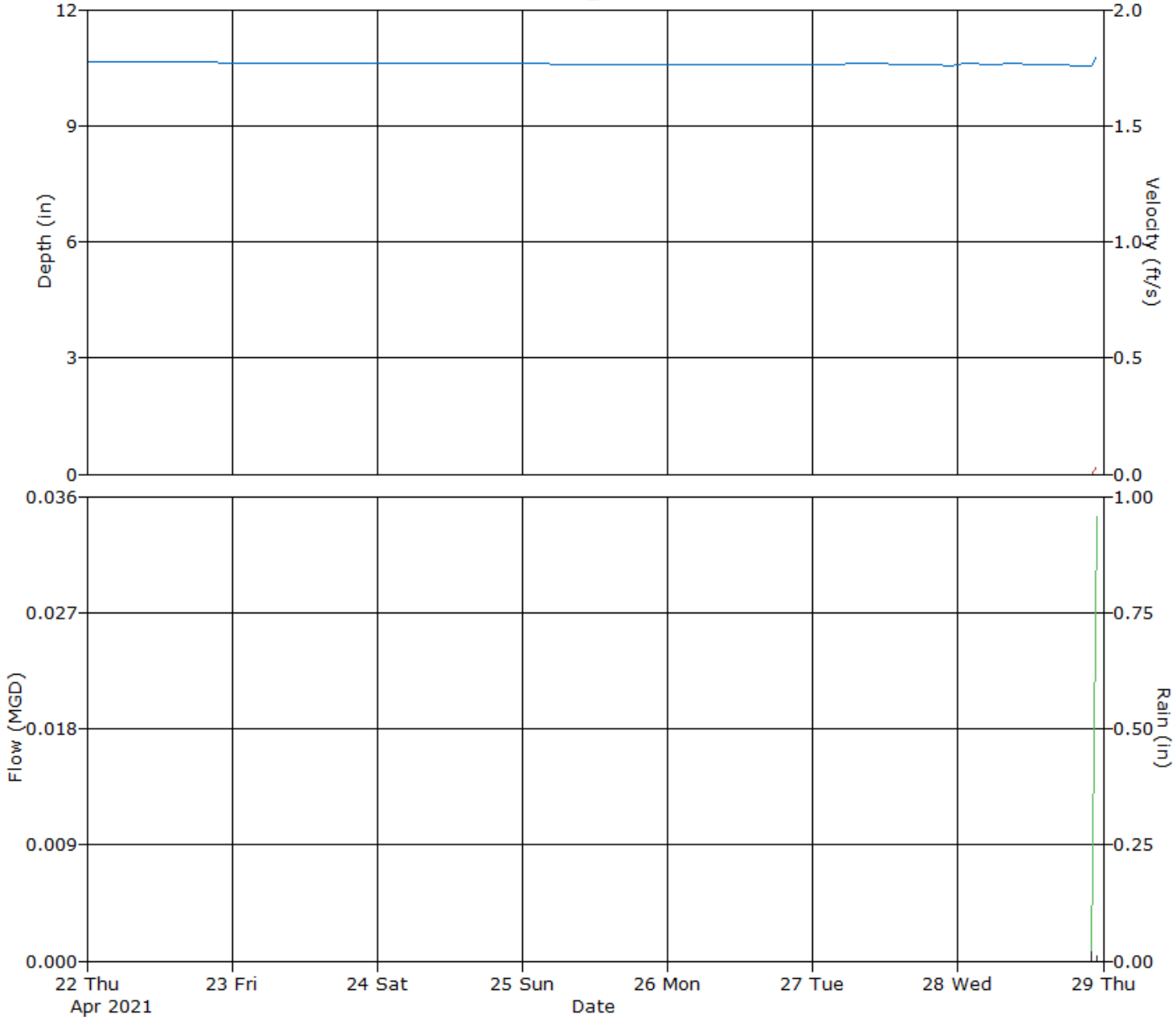


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



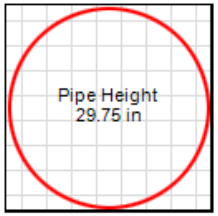
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

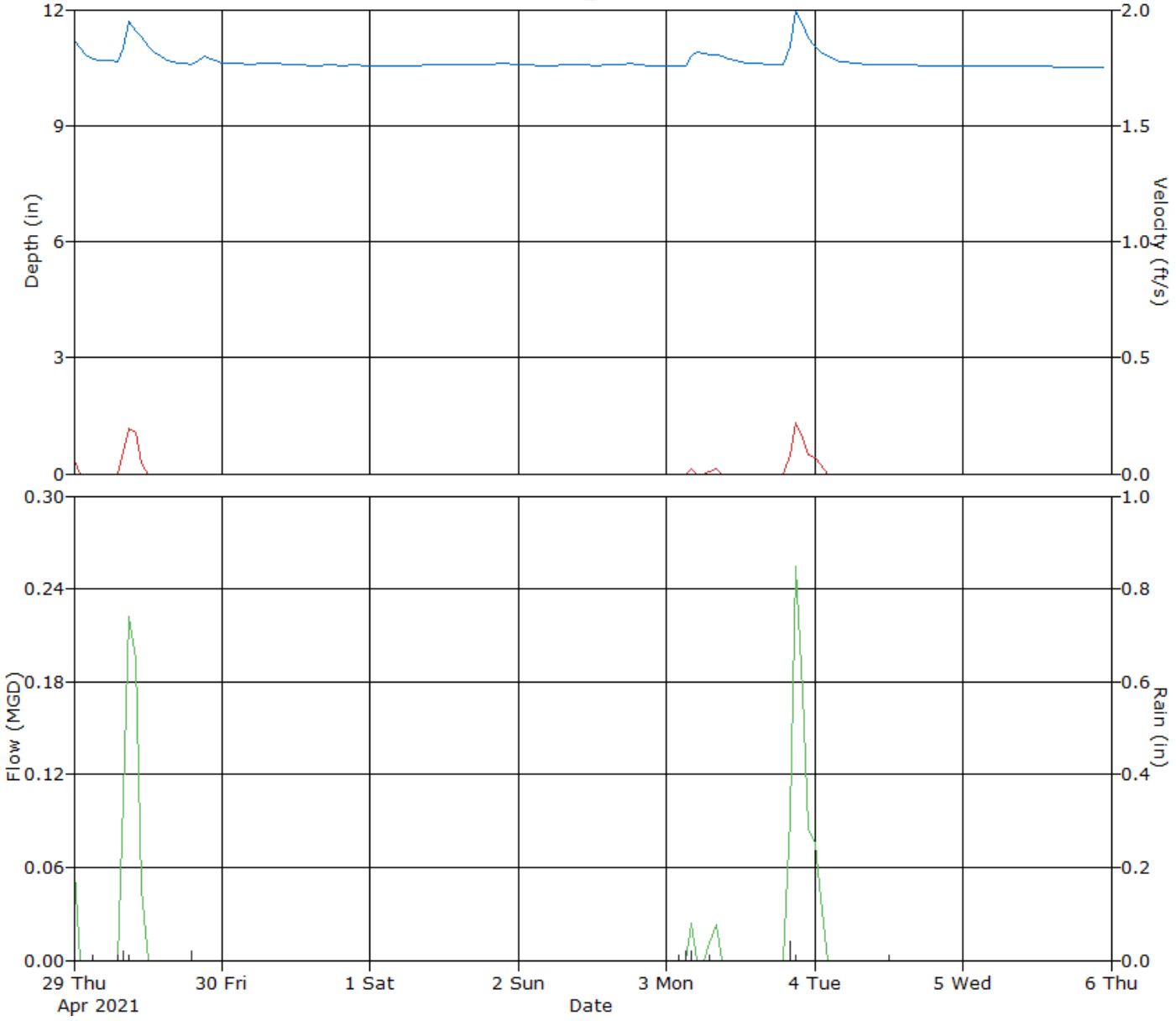


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



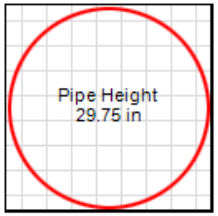
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

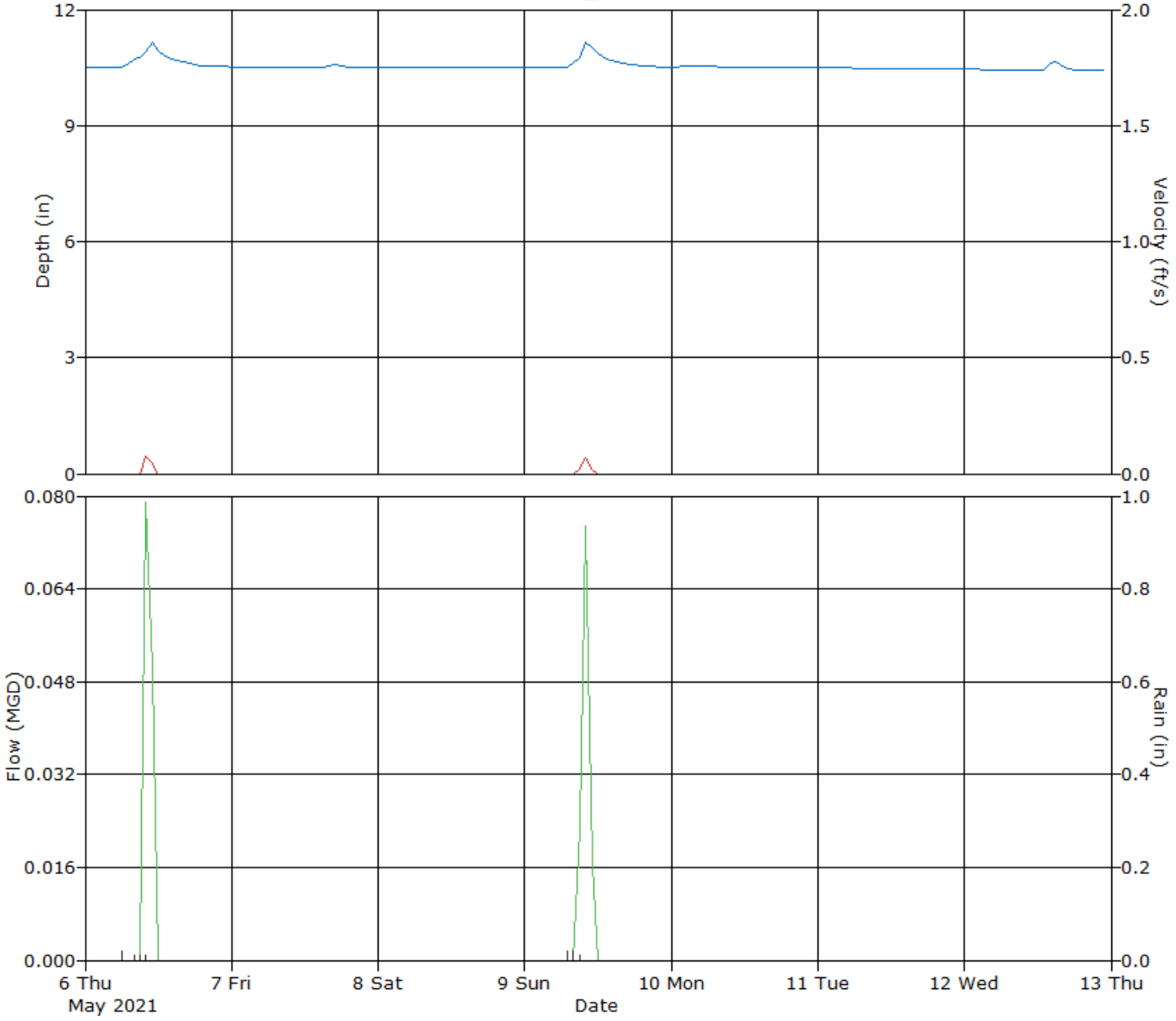


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



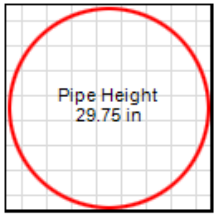
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

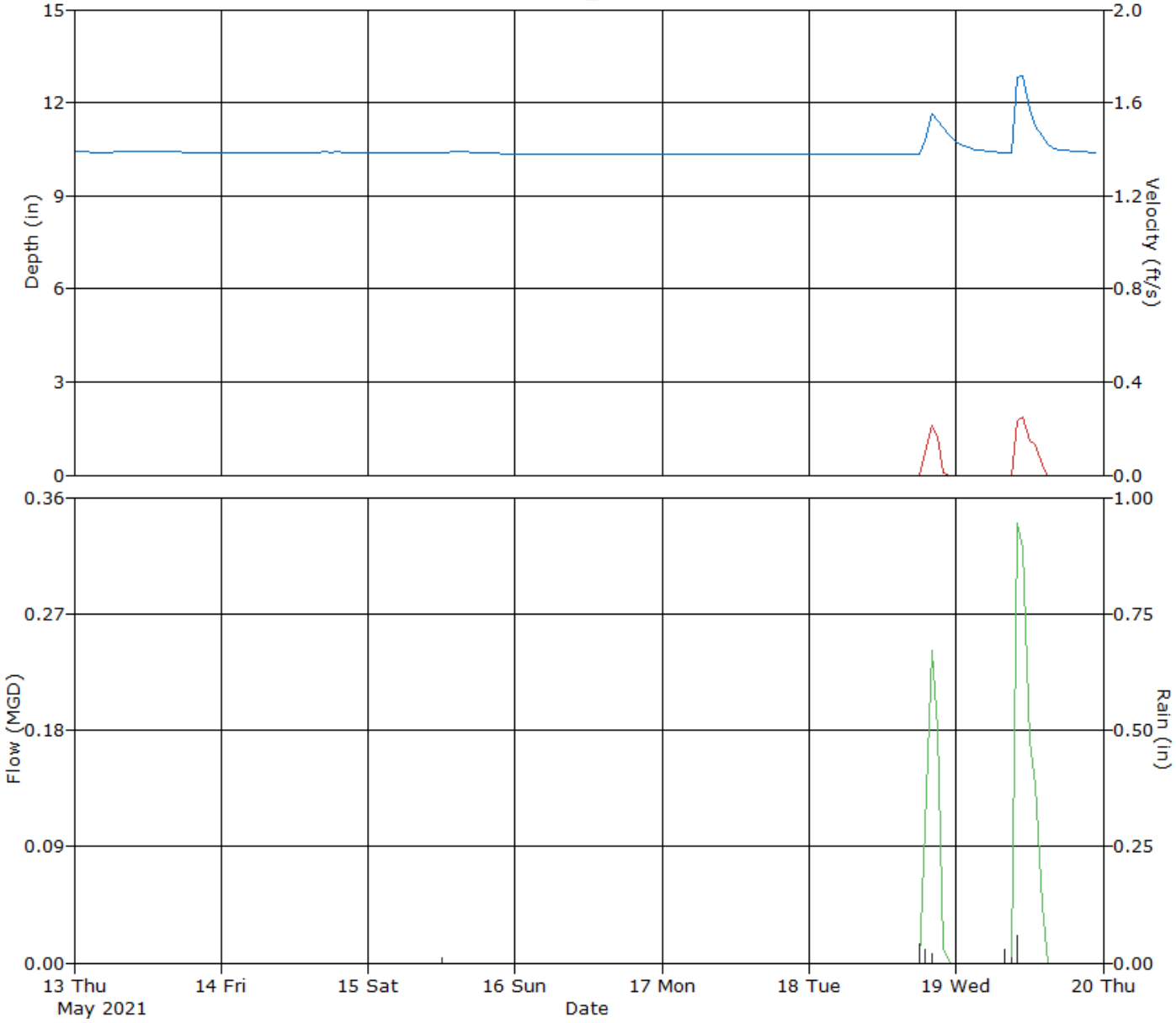


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

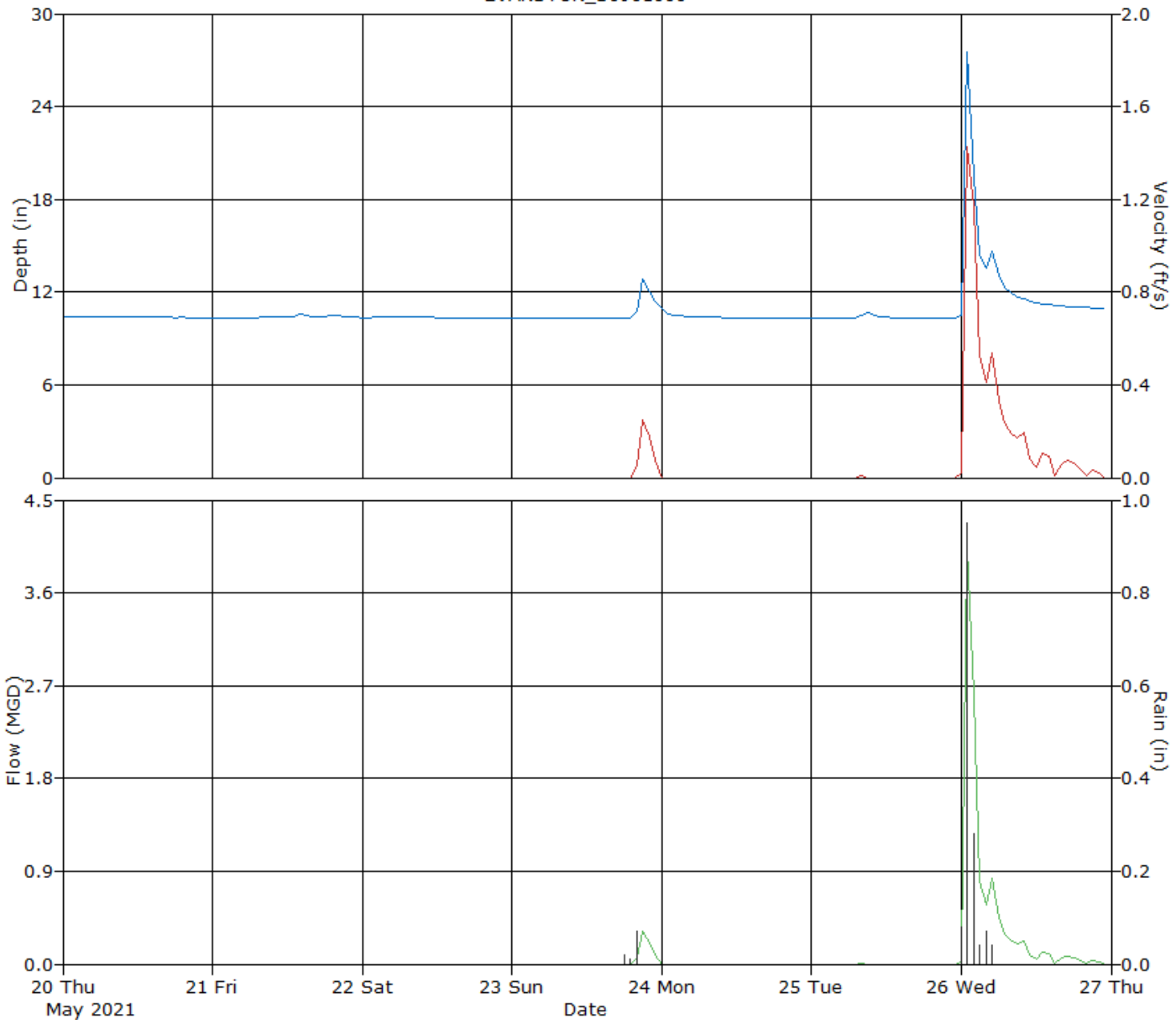
Pipe Height
29.75 in

Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



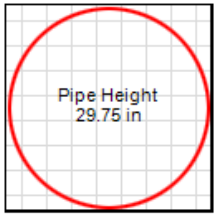
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

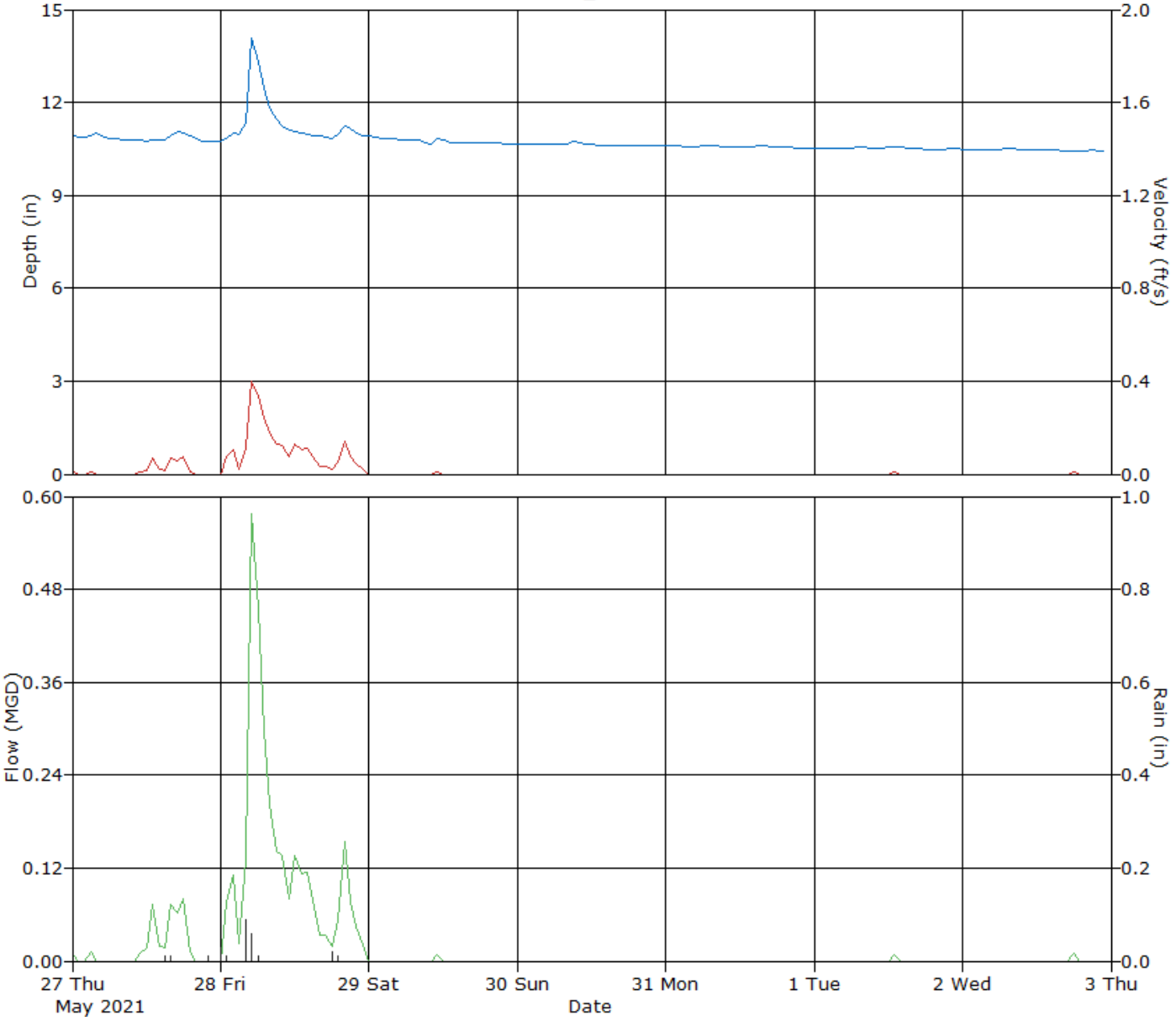


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



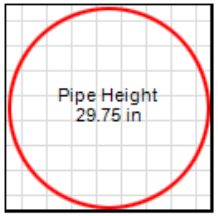
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

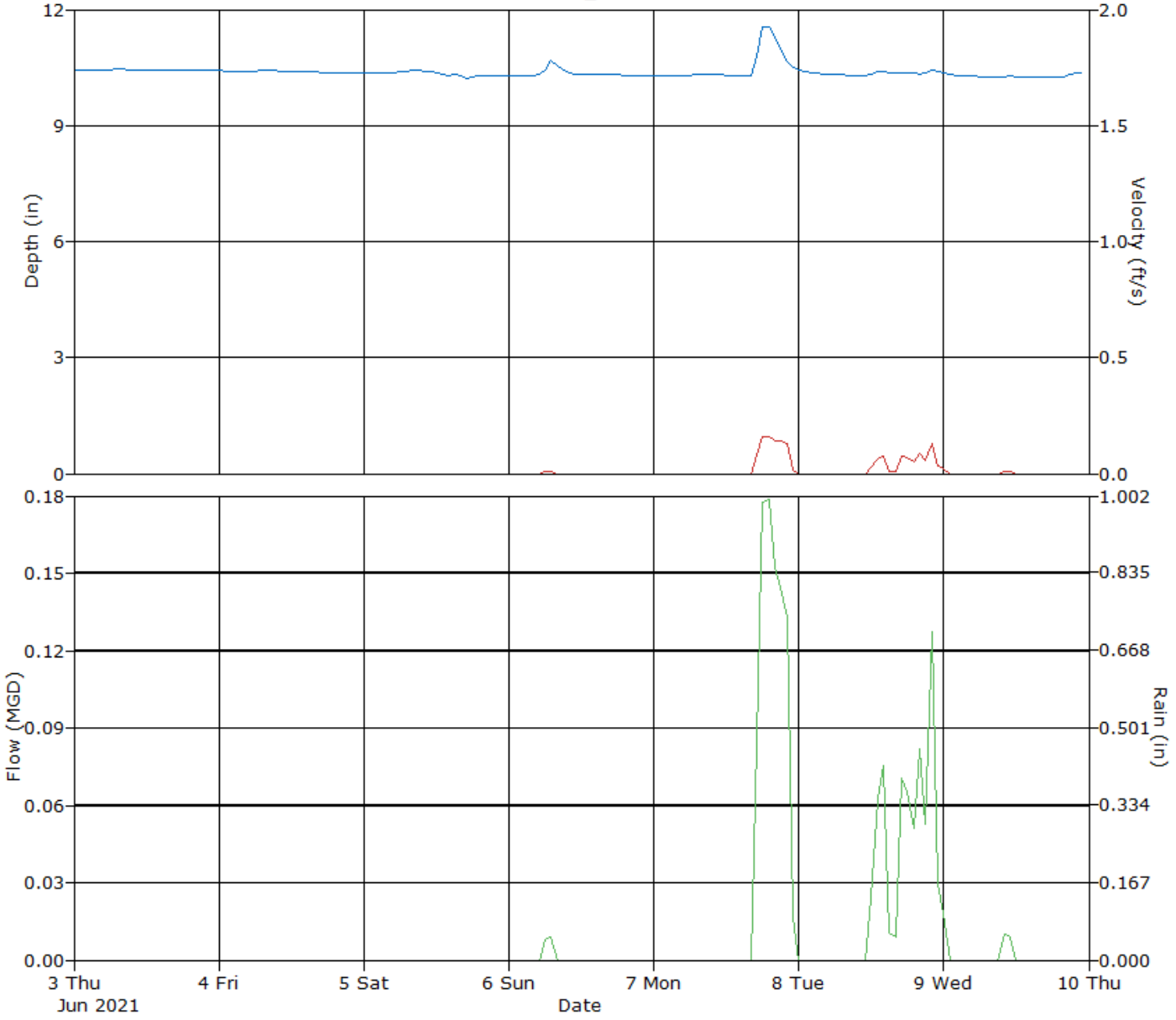


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



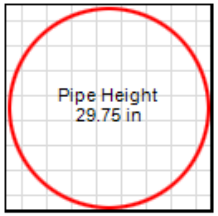
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

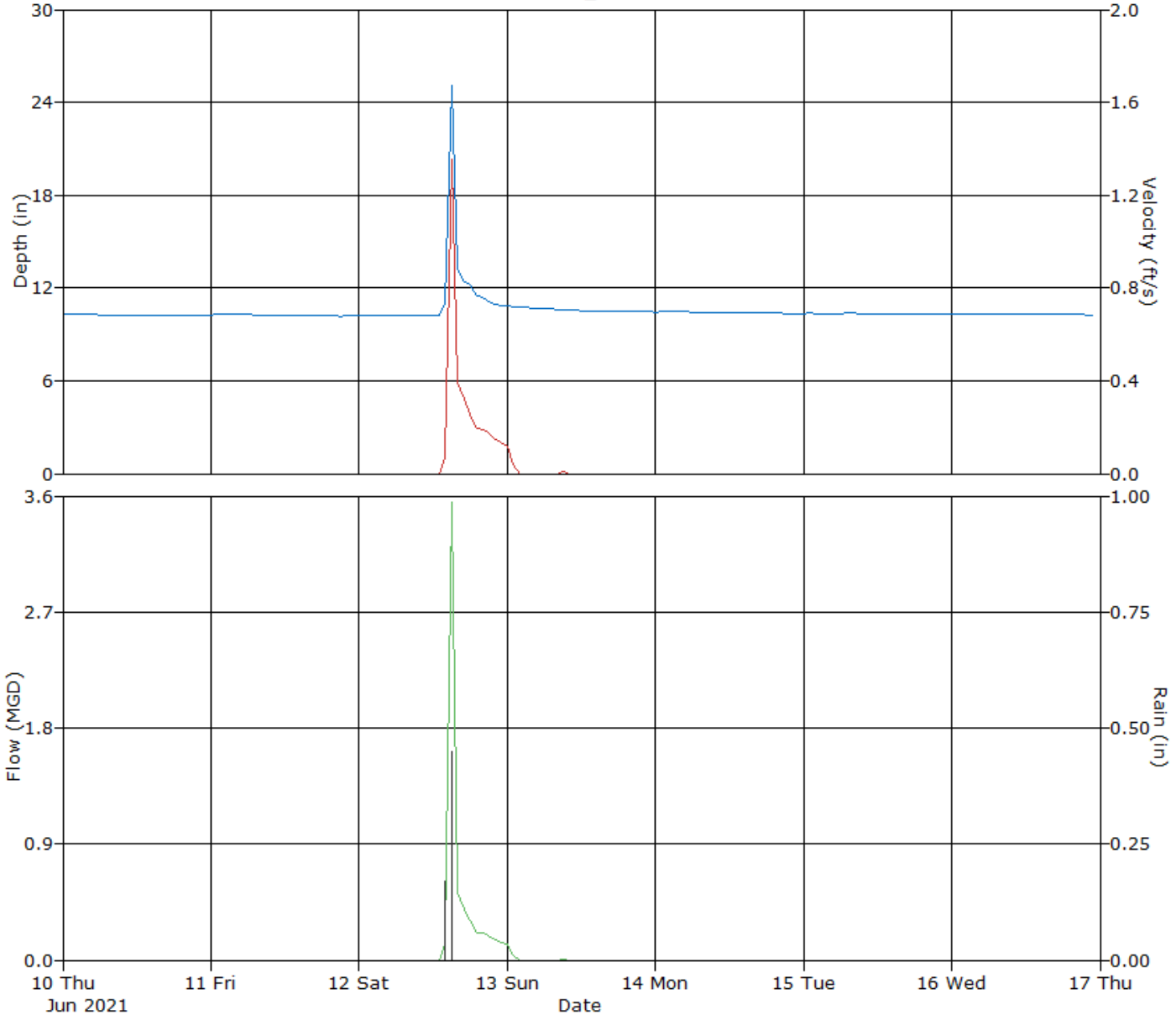


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



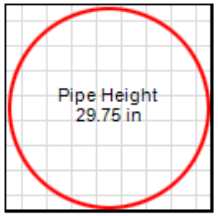
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

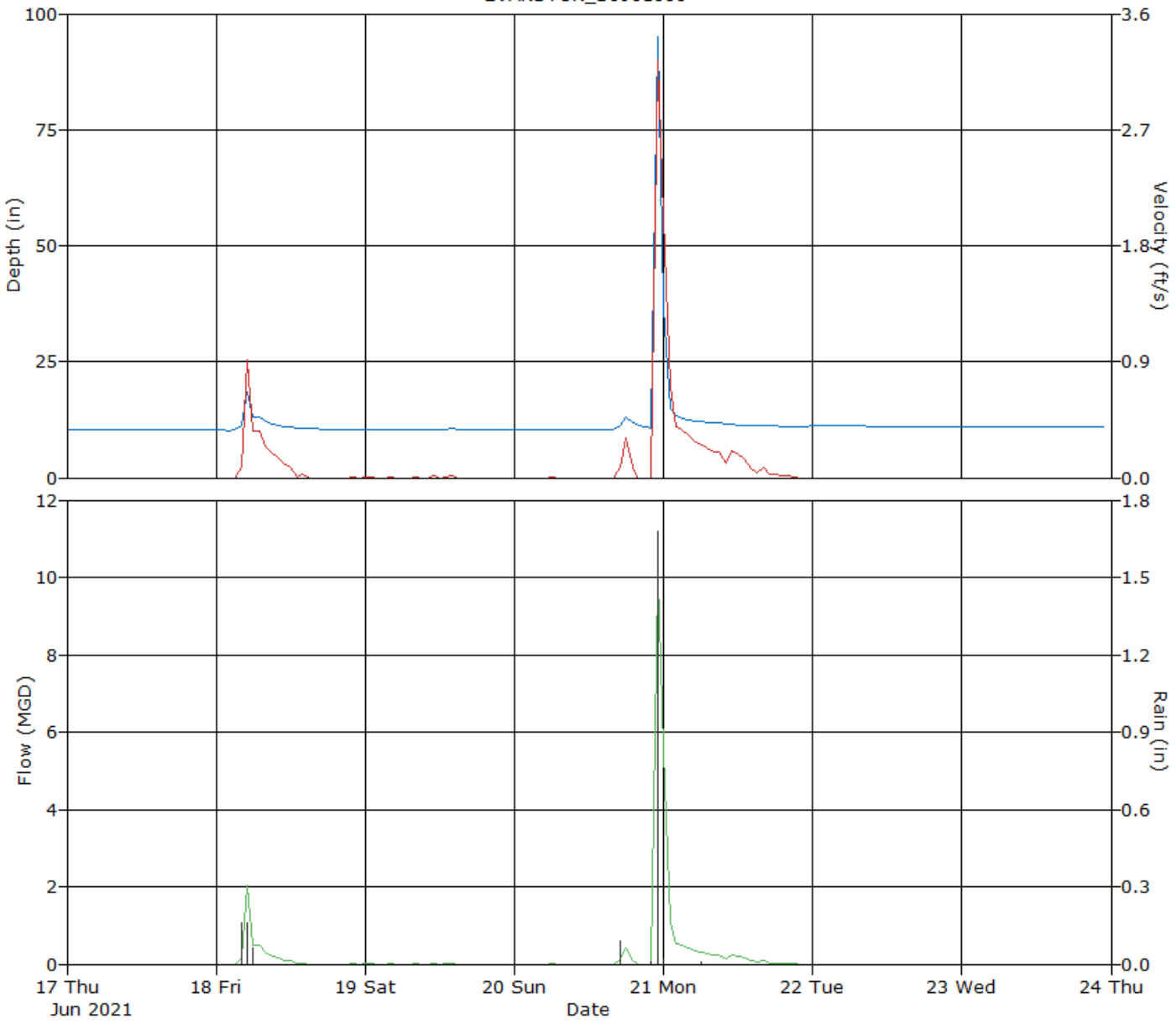


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



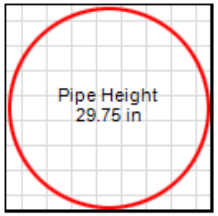
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

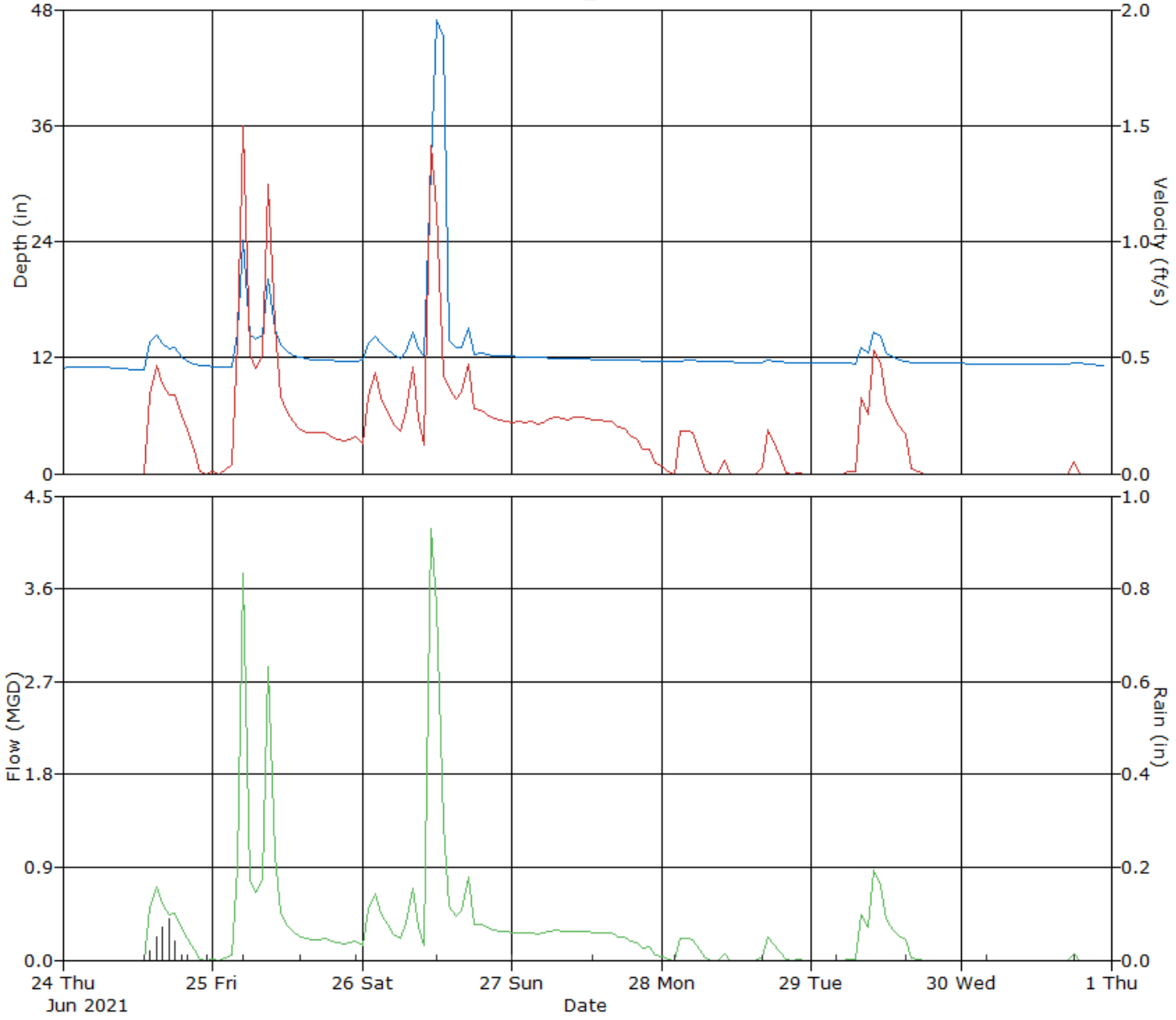


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



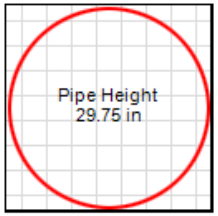
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

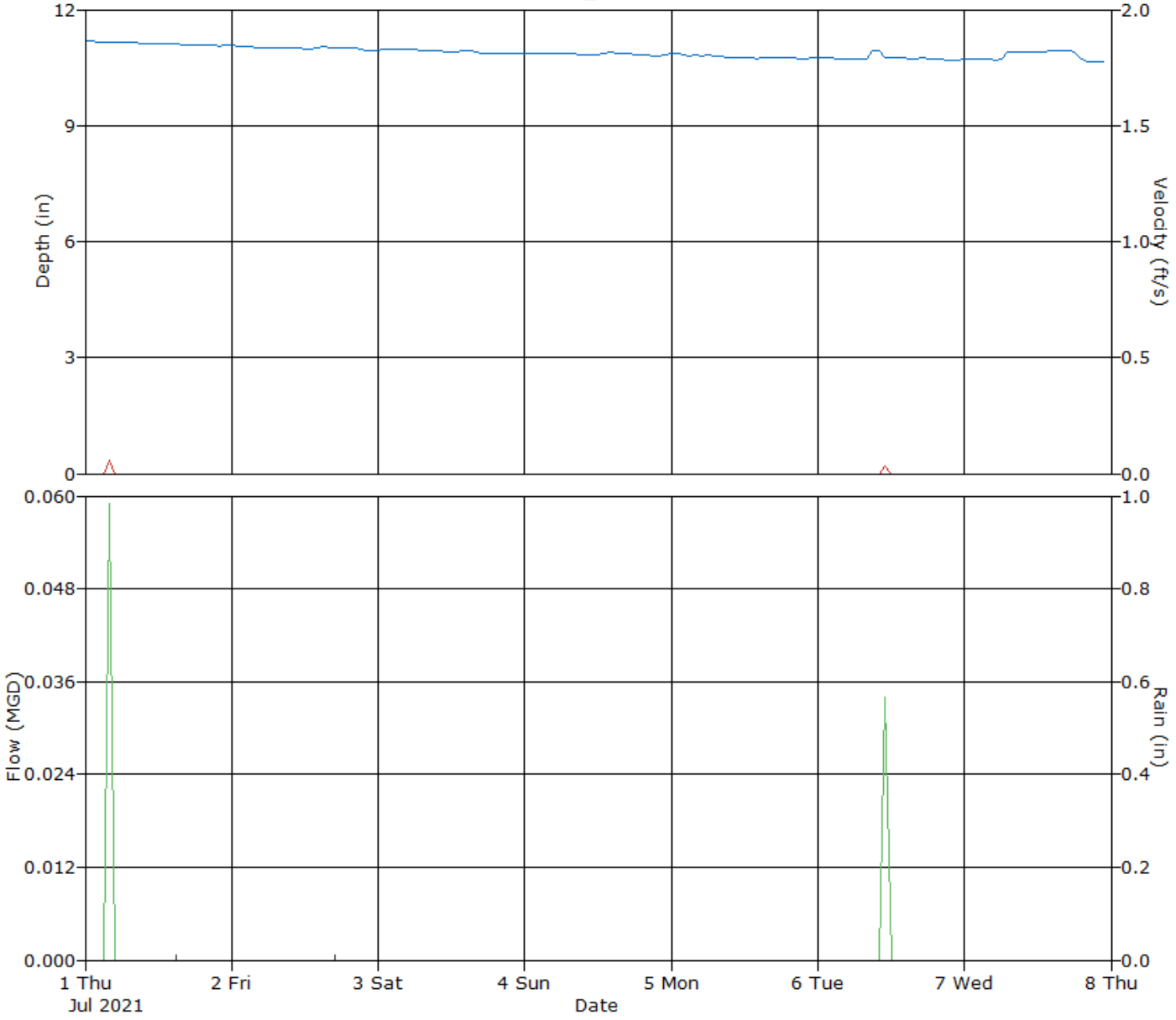


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



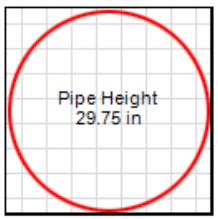
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

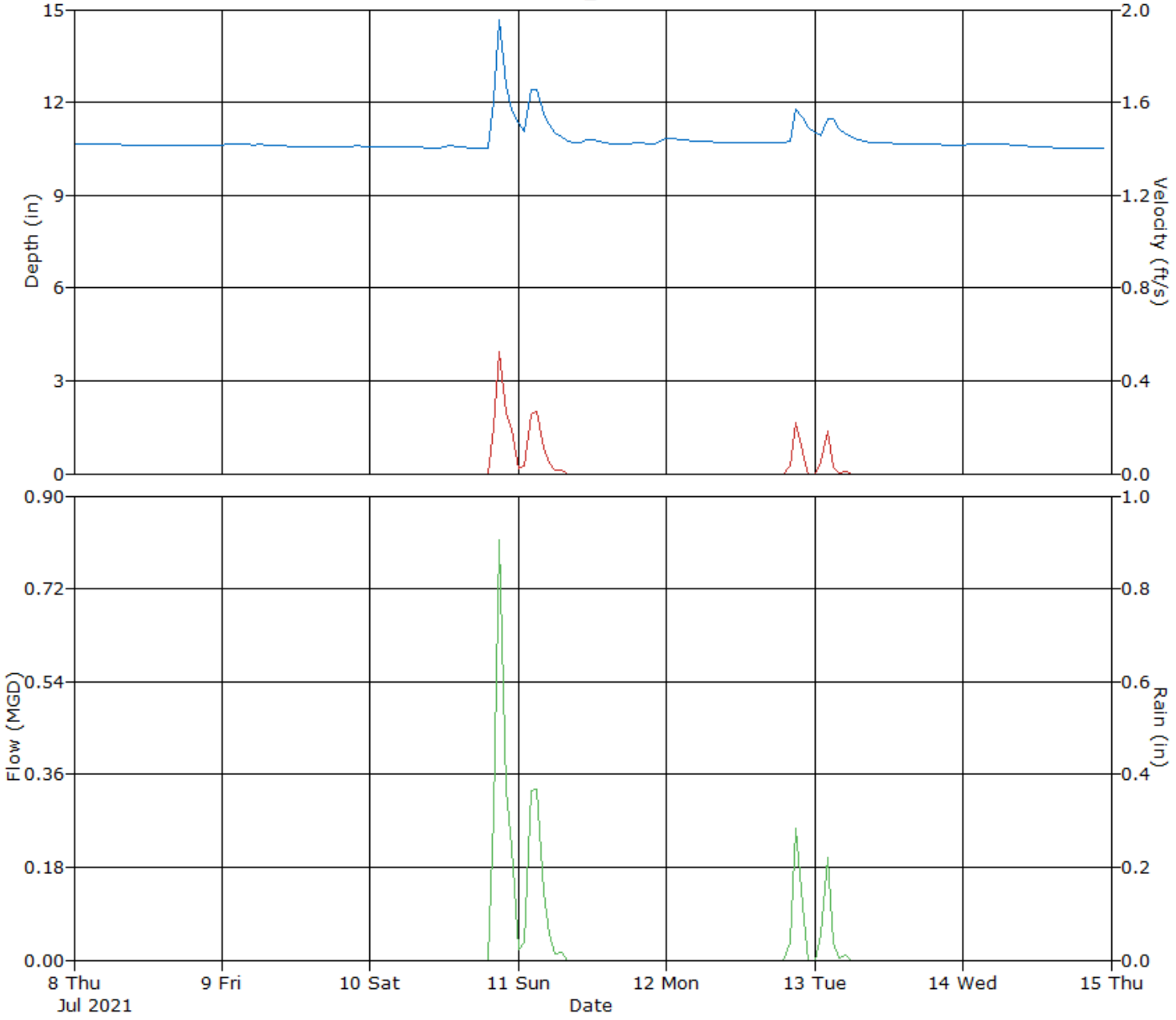


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



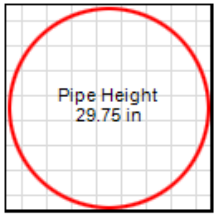
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

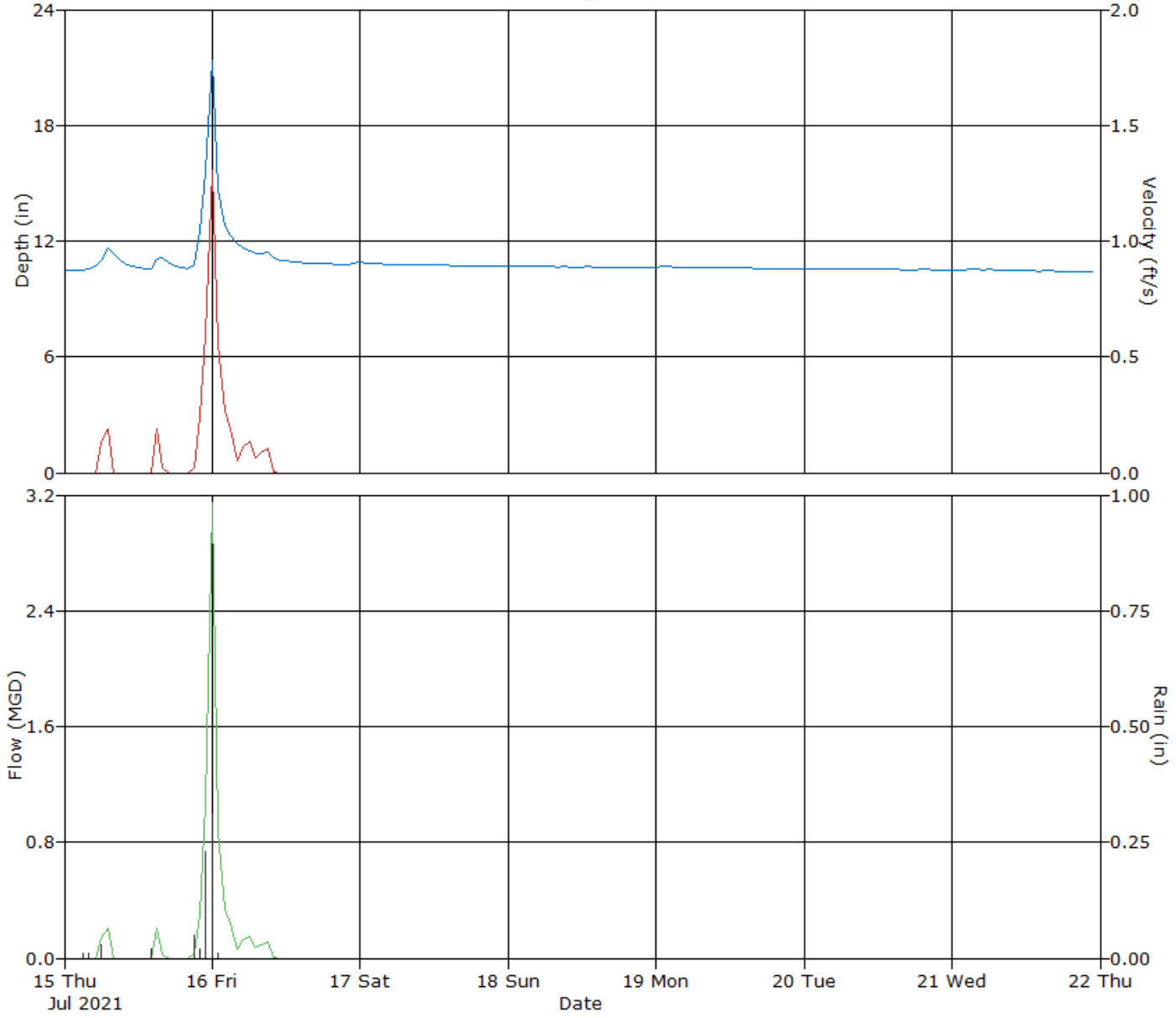


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



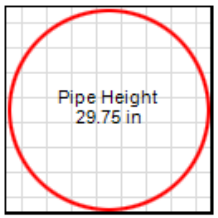
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

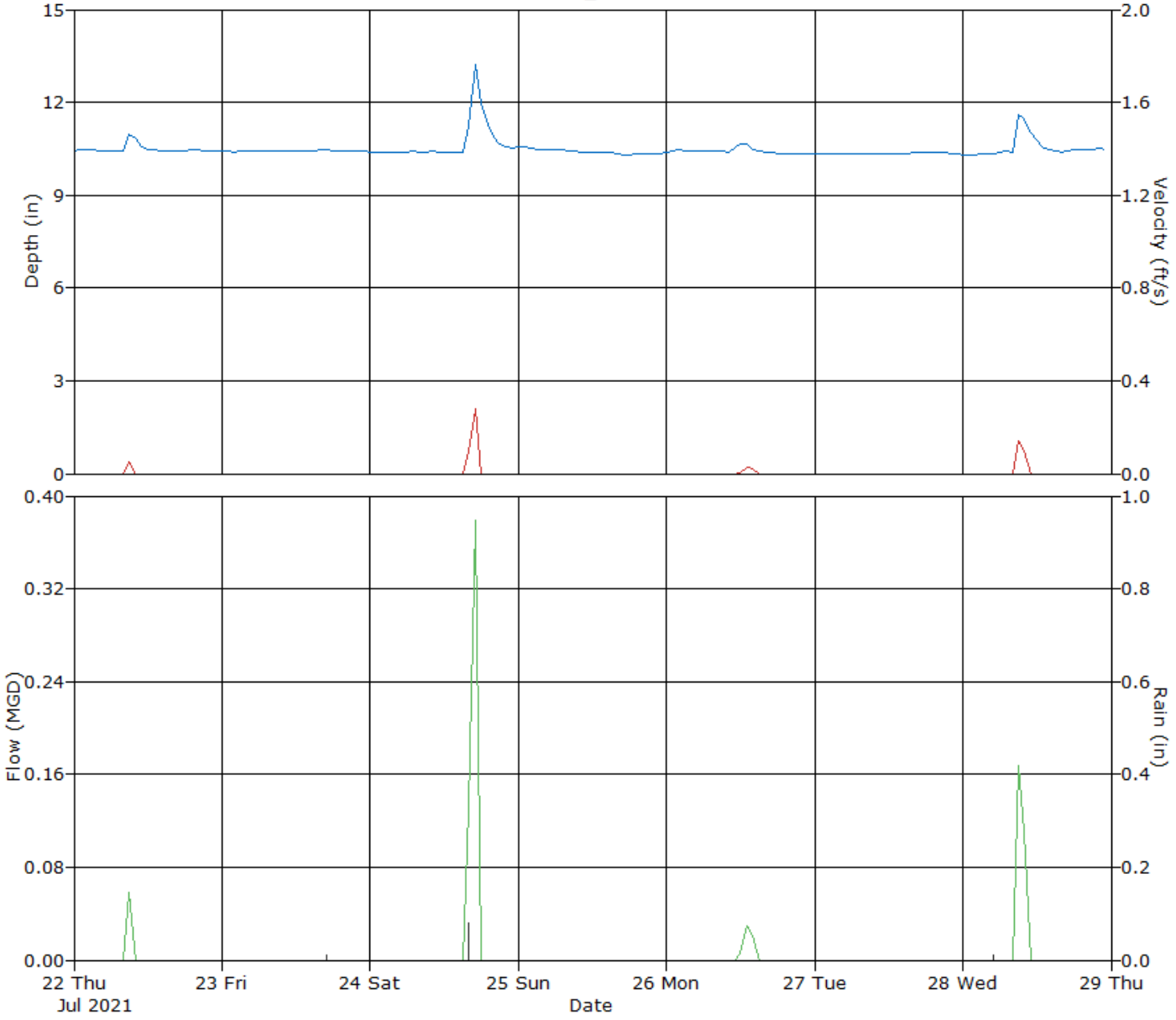


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



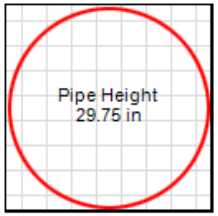
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

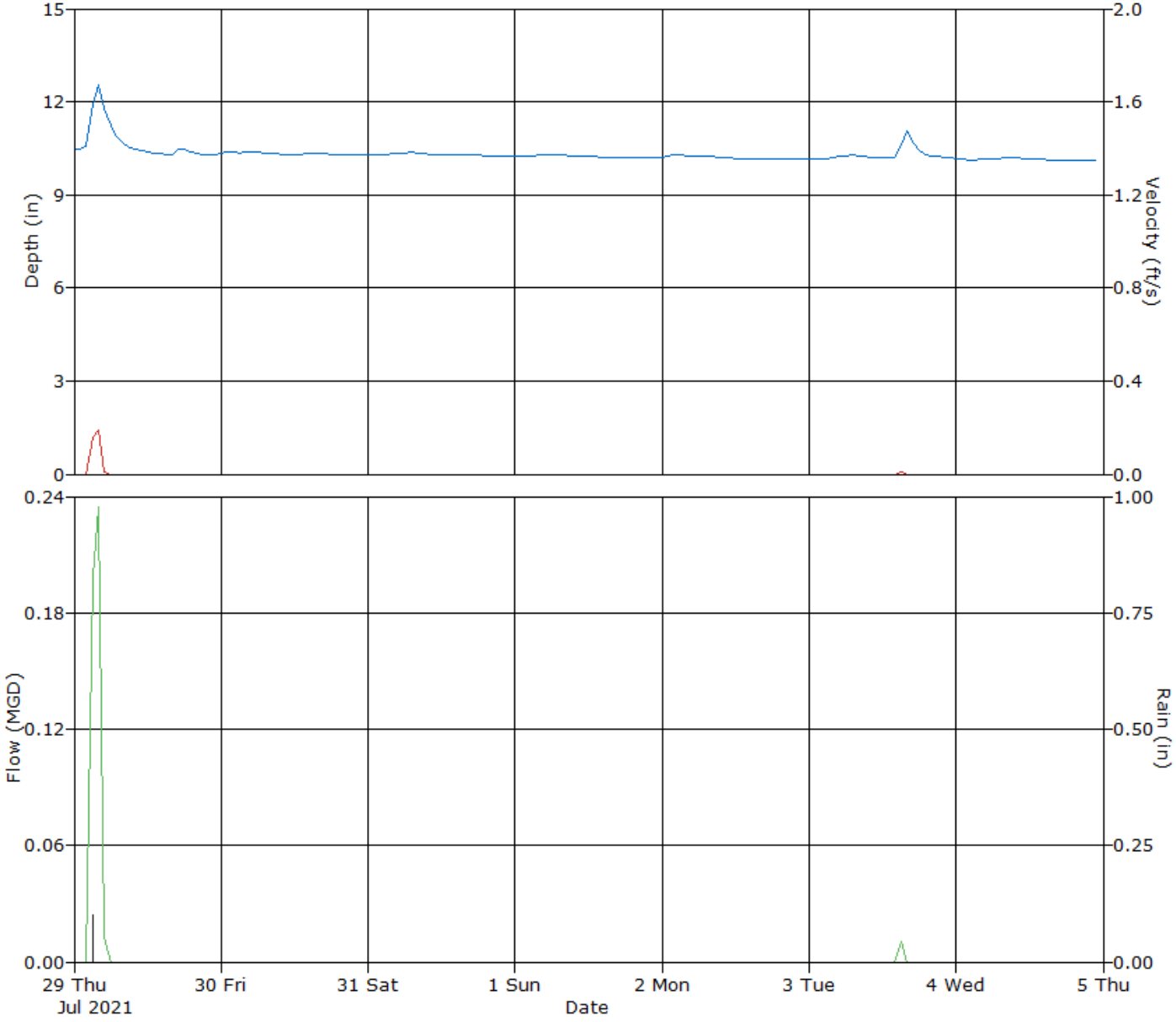


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



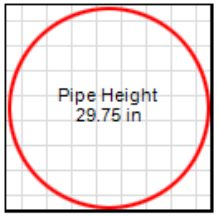
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

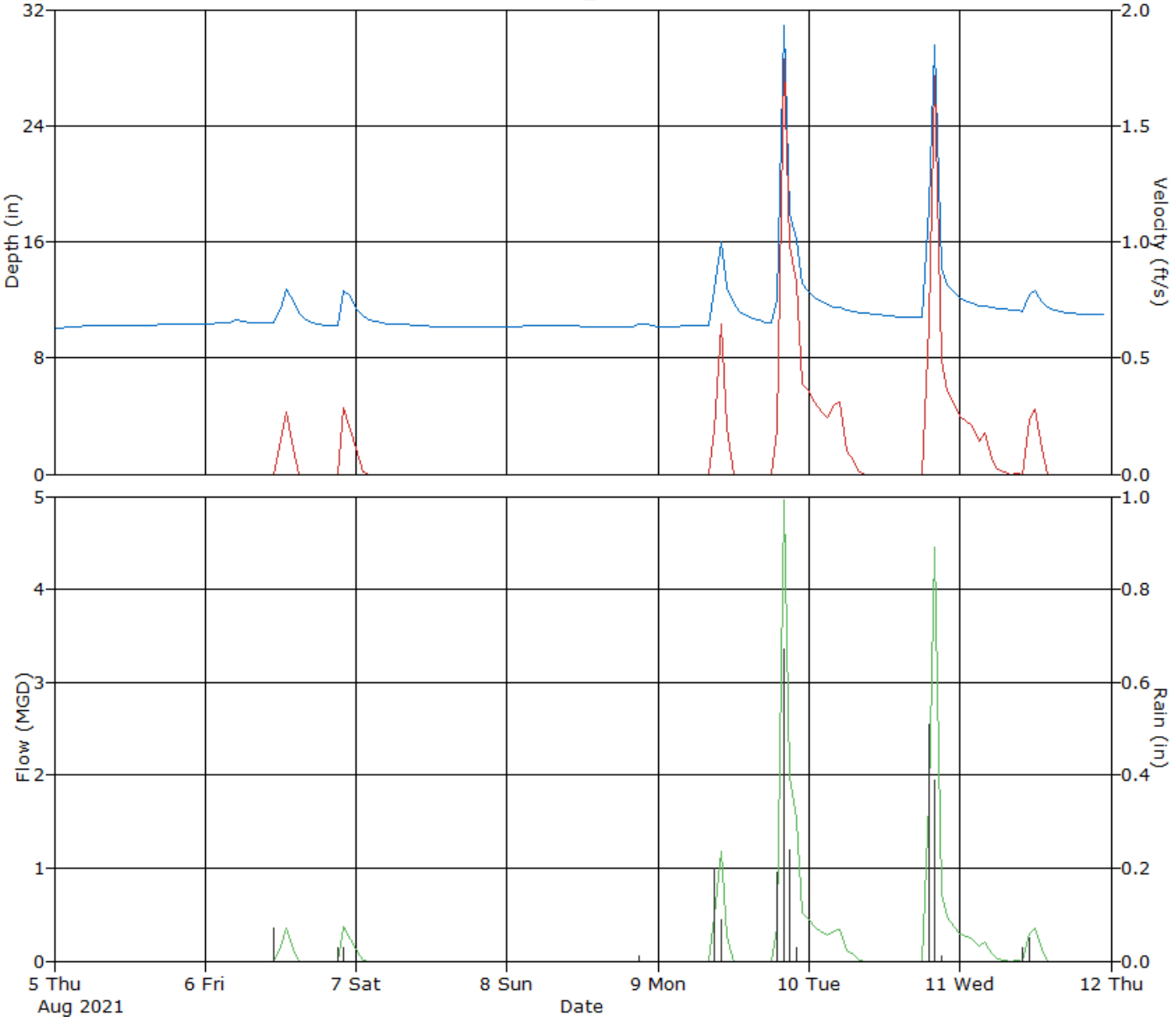


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



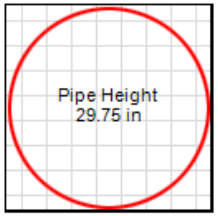
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

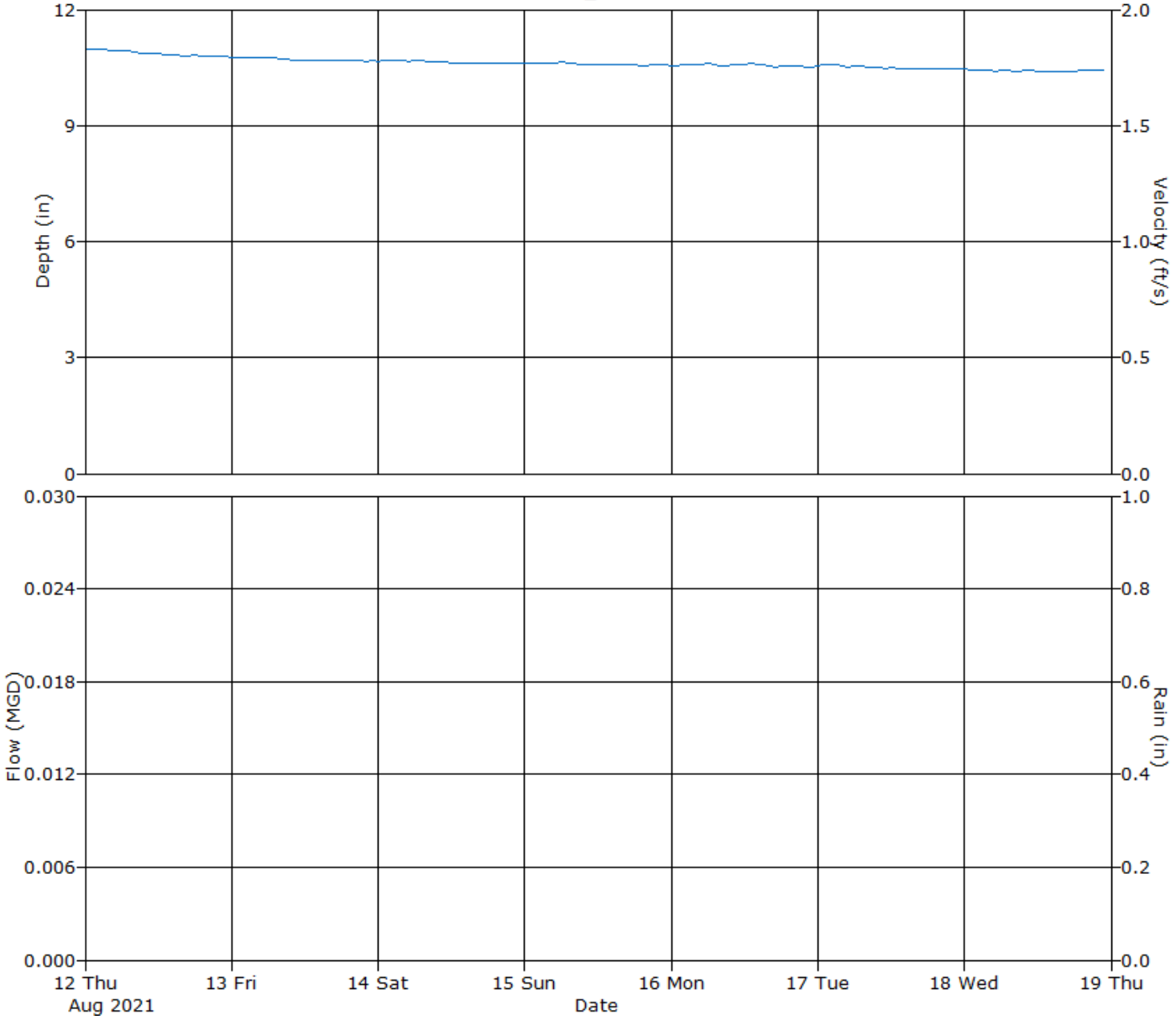


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain

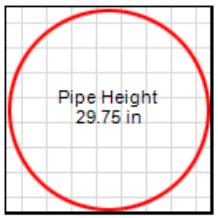


HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

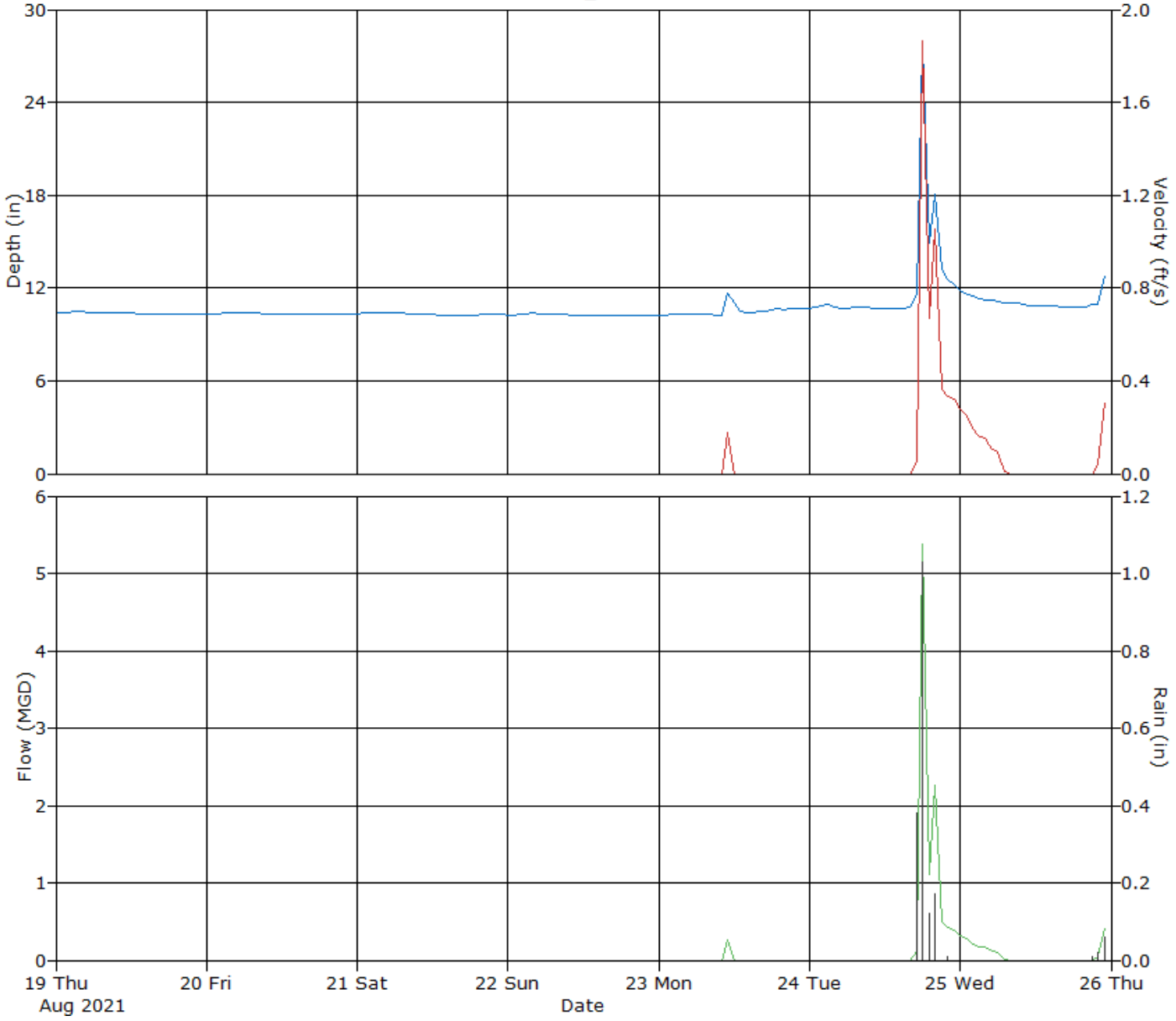


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



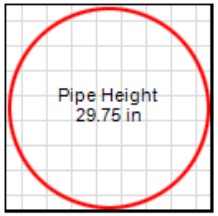
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000

Flow Monitor

EVANSTON_S0901000

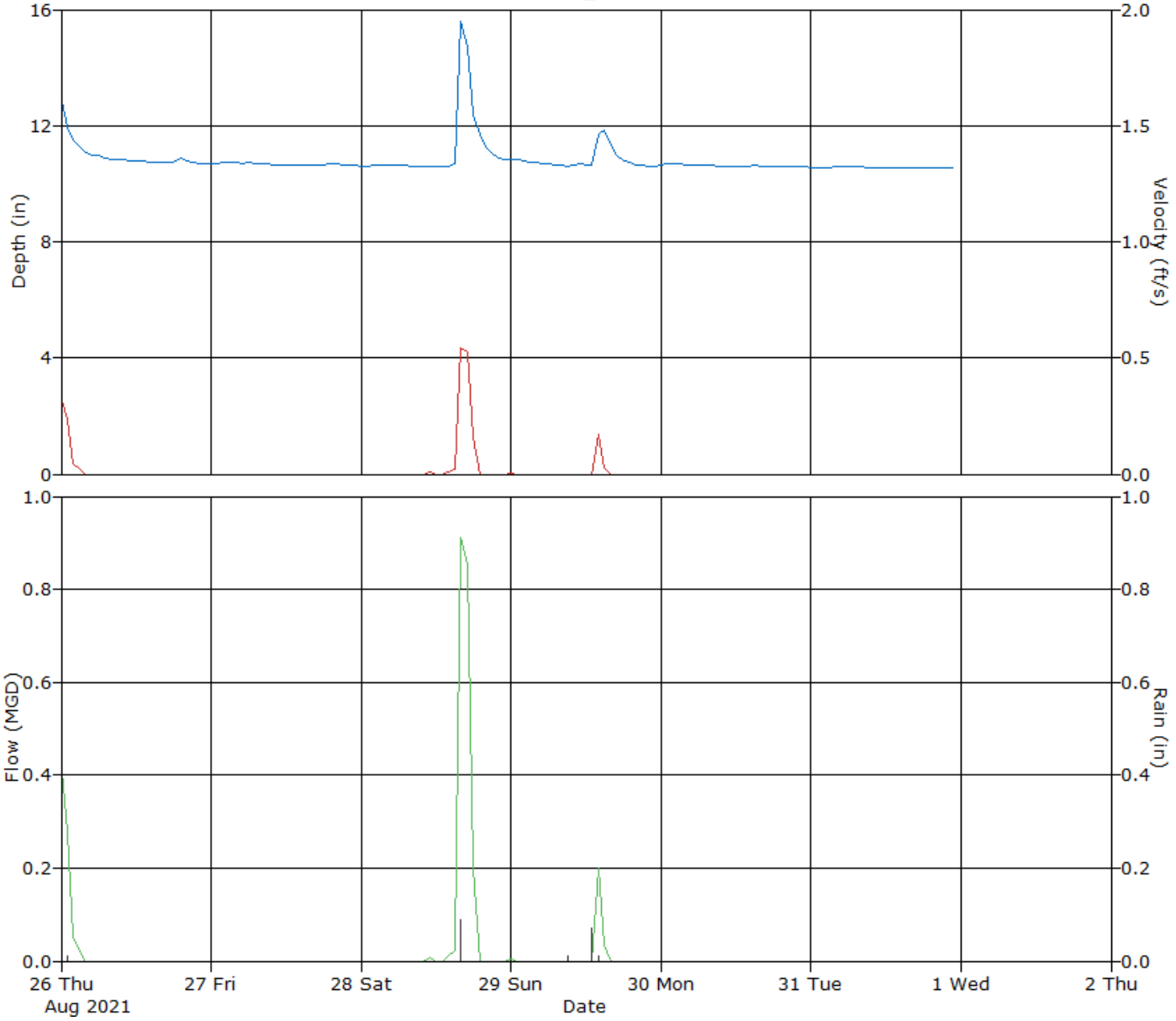


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S0901000, Pipe Height: 29.75 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.22
04/09/2021	09:35	10.84	12:20	11.25	10.98	00:20	0.00	12:20	0.15	0.02	00:20	0.000	12:20	0.160	0.017	2313	
04/10/2021	09:00	10.90	18:20	20.06	11.94	00:00	0.00	18:20	1.17	0.15	00:00	0.000	18:20	2.627	0.229	30578	0.58
04/11/2021	23:45	11.18	00:00	11.68	11.32	13:25	0.00	00:05	0.16	0.09	13:25	0.000	00:05	0.185	0.099	13294	
04/12/2021	22:00	11.09	03:00	11.34	11.18	00:00	0.00	11:50	0.15	0.02	00:00	0.000	11:50	0.160	0.020	2611	0.02
04/13/2021	23:05	11.00	00:00	11.09	11.04	00:00	0.00	15:40	0.15	0.00	00:00	0.000	15:40	0.158	0.004	566	
04/14/2021	23:00	10.95	00:00	11.01	10.98	00:00	0.00	09:50	0.12	0.00	00:00	0.000	09:50	0.127	0.000	59	
04/15/2021	17:35	10.90	00:10	10.96	10.92	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/16/2021	23:55	10.84	01:20	10.90	10.88	00:00	0.00	12:00	0.09	0.00	00:00	0.000	12:00	0.097	0.000	45	
04/17/2021	23:55	10.79	17:45	10.85	10.82	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/18/2021	22:15	10.75	00:35	10.80	10.77	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/19/2021	23:25	10.71	01:00	10.76	10.74	00:00	0.00	19:15	0.10	0.00	00:00	0.000	19:15	0.105	0.000	49	
04/20/2021	23:55	10.67	01:00	10.72	10.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/21/2021	11:30	10.66	18:05	11.04	10.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.02
04/22/2021	23:30	10.62	00:00	10.67	10.64	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/23/2021	20:45	10.61	04:25	10.63	10.62	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/24/2021	07:00	10.60	22:55	10.62	10.61	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/25/2021	14:30	10.57	00:10	10.62	10.59	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/26/2021	04:30	10.57	15:40	10.59	10.58	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/27/2021	22:45	10.55	10:00	10.63	10.59	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/28/2021	20:30	10.55	23:55	11.19	10.59	00:00	0.00	23:35	0.13	0.00	00:00	0.000	23:40	0.140	0.001	192	0.03
04/29/2021	20:05	10.59	09:05	11.78	10.86	00:00	0.00	09:15	0.21	0.02	00:00	0.000	09:15	0.241	0.026	3497	0.07
04/30/2021	19:55	10.55	00:00	10.64	10.58	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/01/2021	02:00	10.54	21:35	10.62	10.56	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/02/2021	23:55	10.53	18:35	10.61	10.57	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/03/2021	00:10	10.52	21:05	12.06	10.80	00:00	0.00	21:10	0.23	0.02	00:00	0.000	21:10	0.278	0.028	3705	0.11
05/04/2021	23:20	10.53	00:00	11.12	10.62	00:10	0.00	00:55	0.13	0.00	00:10	0.000	00:55	0.133	0.005	643	0.01
05/05/2021	22:50	10.50	03:35	10.55	10.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/06/2021	05:25	10.50	11:10	11.20	10.64	00:00	0.00	10:50	0.15	0.01	00:00	0.000	10:50	0.165	0.005	719	0.05
05/07/2021	13:30	10.49	17:15	10.58	10.51	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/08/2021	01:35	10.49	19:05	10.52	10.51	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/09/2021	01:55	10.50	10:35	11.17	10.62	00:00	0.00	11:35	0.19	0.00	00:00	0.000	11:35	0.198	0.005	635	0.05
05/10/2021	14:15	10.50	04:20	10.54	10.51	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/11/2021	23:30	10.46	00:35	10.51	10.48	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/12/2021	23:55	10.42	14:55	10.70	10.46	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/13/2021	22:40	10.39	01:30	10.42	10.41	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/14/2021	23:45	10.39	17:35	10.41	10.40	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/15/2021	23:50	10.35	14:30	10.45	10.38	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
05/16/2021	23:35	10.33	05:40	10.36	10.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	13:05	10.32	17:45	10.34	10.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/18/2021	12:20	10.31	20:25	11.70	10.51	00:00	0.00	20:20	0.23	0.02	00:00	0.000	20:20	0.262	0.022	3006	0.09
05/19/2021	09:05	10.37	10:30	15.28	10.78	00:00	0.00	10:25	0.42	0.03	00:00	0.000	10:30	0.679	0.042	5651	0.10
05/20/2021	22:35	10.33	10:20	10.40	10.37	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/21/2021	00:55	10.33	14:25	10.56	10.39	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/22/2021	19:35	10.29	05:45	10.40	10.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/23/2021	18:40	10.27	21:10	13.06	10.55	00:00	0.00	21:00	0.26	0.02	00:00	0.000	21:00	0.339	0.028	3780	0.10
05/24/2021	22:55	10.28	00:00	11.14	10.38	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/25/2021	18:40	10.27	09:00	10.71	10.34	00:00	0.00	08:50	0.09	0.00	00:00	0.000	08:50	0.094	0.000	44	
05/26/2021	00:05	10.29	01:40	71.07	12.71	00:00	0.00	01:40	3.97	0.24	00:00	0.000	01:40	12.375	0.455	60838	1.46
05/27/2021	23:55	10.74	04:00	11.10	10.85	00:00	0.00	18:15	0.15	0.02	00:00	0.000	18:15	0.153	0.016	2132	0.03
05/28/2021	00:00	10.73	05:15	14.39	11.34	00:00	0.00	05:15	0.44	0.11	00:00	0.000	05:15	0.665	0.129	17306	0.23
05/29/2021	10:20	10.60	00:00	10.93	10.75	00:00	0.00	11:10	0.09	0.00	00:00	0.000	11:10	0.098	0.000	45	
05/30/2021	21:30	10.59	09:15	10.76	10.64	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/31/2021	21:25	10.53	16:00	10.61	10.57	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/01/2021	21:05	10.43	13:30	10.58	10.52	00:00	0.00	13:35	0.10	0.00	00:00	0.000	13:35	0.095	0.000	44	
06/02/2021	18:20	10.44	07:55	10.51	10.47	00:00	0.00	18:00	0.12	0.00	00:00	0.000	18:00	0.112	0.000	52	
06/03/2021	12:45	10.41	08:20	10.46	10.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/04/2021	21:05	10.35	07:40	10.44	10.39	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/05/2021	17:50	10.22	09:15	10.45	10.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/06/2021	00:05	10.28	07:15	10.73	10.34	00:00	0.00	07:05	0.11	0.00	00:00	0.000	07:05	0.109	0.001	94	
06/07/2021	04:50	10.28	19:05	11.59	10.51	00:00	0.00	18:45	0.17	0.03	00:00	0.000	18:45	0.187	0.037	4941	
06/08/2021	11:00	10.29	00:00	10.47	10.35	00:00	0.00	12:40	0.15	0.03	00:00	0.000	12:40	0.148	0.027	3673	
06/09/2021	09:00	10.23	00:05	10.39	10.28	00:00	0.00	10:00	0.13	0.00	00:00	0.000	10:00	0.121	0.002	206	
06/10/2021	19:10	10.21	00:20	10.32	10.25	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/11/2021	21:00	10.17	02:10	10.35	10.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/12/2021	14:20	10.17	15:10	55.13	11.36	00:00	0.00	15:10	2.92	0.13	00:00	0.000	15:10	9.113	0.242	32396	0.62
06/13/2021	18:25	10.47	00:00	10.88	10.58	00:45	0.00	00:00	0.13	0.01	00:45	0.000	00:00	0.139	0.007	920	
06/14/2021	23:45	10.34	01:55	10.48	10.41	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/15/2021	20:50	10.28	08:15	10.38	10.32	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/16/2021	22:50	10.25	08:45	10.34	10.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/17/2021	21:45	10.23	15:00	10.34	10.27	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/18/2021	04:45	10.20	05:00	28.89	11.21	00:00	0.00	05:00	1.68	0.11	00:00	0.000	05:00	5.190	0.170	22661	0.38
06/19/2021	23:15	10.37	14:20	10.53	10.45	00:05	0.00	14:35	0.10	0.00	00:05	0.000	14:35	0.102	0.003	356	
06/20/2021	17:00	10.36	23:40	139.78	14.20	00:00	0.00	23:25	5.29	0.15	00:00	0.000	23:25	16.519	0.443	59275	1.78
06/21/2021	23:45	11.00	00:00	104.83	12.81	08:50	0.00	00:00	3.72	0.25	08:50	0.000	00:00	11.603	0.436	58340	0.03
06/22/2021	22:50	10.95	00:10	11.25	11.08	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/23/2021	20:15	10.81	23:55	10.93	10.88	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/24/2021	13:05	10.75	15:45	15.41	11.56	00:00	0.00	15:50	0.70	0.10	00:00	0.000	15:50	1.142	0.137	18280	0.31
06/25/2021	03:40	10.96	05:05	52.85	13.17	00:00	0.00	05:05	3.01	0.33	00:00	0.000	05:05	9.382	0.573	76535	0.03
06/26/2021	01:20	11.68	11:45	79.92	16.44	00:15	0.00	11:45	3.74	0.37	00:15	0.000	11:45	11.655	0.712	95184	0.01
06/27/2021	23:35	11.64	00:00	12.15	11.86	18:55	0.00	09:50	0.27	0.20	18:55	0.000	08:30	0.314	0.236	31516	0.02
06/28/2021	23:05	11.45	17:40	11.77	11.57	00:05	0.00	10:55	0.65	0.05	00:05	0.000	10:55	0.729	0.056	7461	0.02
06/29/2021	07:35	11.37	10:45	16.55	11.87	00:00	0.00	10:45	0.86	0.11	00:00	0.000	10:45	1.529	0.147	19648	0.02
06/30/2021	23:55	11.21	18:55	11.50	11.30	00:00	0.00	18:45	0.16	0.00	00:00	0.000	18:45	0.180	0.002	320	0.02
07/01/2021	22:40	11.05	01:30	11.20	11.12	00:00	0.00	04:55	0.66	0.00	00:00	0.000	04:55	0.708	0.002	329	0.01
07/02/2021	23:25	10.94	00:35	11.07	11.01	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/03/2021	22:50	10.86	06:10	10.98	10.92	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/04/2021	22:20	10.78	14:20	10.89	10.84	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/05/2021	22:05	10.71	01:00	10.87	10.77	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/06/2021	22:20	10.66	09:45	11.24	10.75	00:00	0.00	11:50	0.40	0.00	00:00	0.000	11:50	0.407	0.001	189	
07/07/2021	22:55	10.63	16:00	10.96	10.81	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/08/2021	23:20	10.59	02:00	10.68	10.62	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/09/2021	19:15	10.55	03:45	10.67	10.60	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/10/2021	16:15	10.51	21:10	15.57	10.92	00:00	0.00	21:15	0.73	0.05	00:00	0.000	21:15	1.192	0.069	9162	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	16:05	10.63	02:40	13.12	10.97	00:00	0.00	02:40	0.35	0.03	00:00	0.000	02:40	0.465	0.038	5146	
07/12/2021	20:35	10.66	21:30	11.88	10.82	00:00	0.00	21:35	0.25	0.01	00:00	0.000	21:35	0.293	0.016	2206	
07/13/2021	22:20	10.60	02:45	11.59	10.80	00:00	0.00	01:55	0.22	0.01	00:00	0.000	01:55	0.232	0.012	1652	
07/14/2021	20:30	10.49	03:25	10.67	10.58	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/15/2021	03:05	10.47	23:55	21.88	11.05	00:00	0.00	23:55	0.92	0.06	00:00	0.000	23:55	2.252	0.082	10972	0.37
07/16/2021	22:45	10.77	00:00	24.57	11.77	03:55	0.00	00:00	1.48	0.12	03:55	0.000	00:00	4.073	0.218	29107	0.32
07/17/2021	23:20	10.70	00:15	10.93	10.77	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/18/2021	19:15	10.63	02:20	10.73	10.67	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/19/2021	23:55	10.56	02:00	10.68	10.61	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/20/2021	23:35	10.49	19:50	10.58	10.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/21/2021	20:30	10.43	04:00	10.55	10.48	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/22/2021	18:05	10.40	09:40	11.99	10.48	00:00	0.00	09:35	0.17	0.00	00:00	0.000	09:35	0.198	0.002	321	
07/23/2021	02:25	10.39	16:55	10.47	10.42	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/24/2021	16:10	10.35	16:55	13.90	10.69	00:00	0.00	17:05	0.41	0.02	00:00	0.000	17:05	0.583	0.021	2839	0.08
07/25/2021	18:15	10.30	00:45	10.57	10.41	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/26/2021	22:30	10.33	13:05	10.67	10.43	00:00	0.00	13:45	0.29	0.00	00:00	0.000	13:45	0.292	0.002	313	
07/27/2021	14:35	10.31	17:55	10.40	10.35	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/28/2021	02:20	10.29	09:10	12.33	10.55	00:00	0.00	09:10	0.27	0.01	00:00	0.000	09:10	0.327	0.012	1551	0.01
07/29/2021	16:00	10.28	04:10	12.69	10.67	00:00	0.00	03:20	0.26	0.01	00:00	0.000	03:30	0.320	0.019	2484	0.10
07/30/2021	20:00	10.28	01:55	10.38	10.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/31/2021	20:30	10.25	07:20	10.39	10.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/01/2021	22:20	10.17	08:05	10.32	10.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/02/2021	16:55	10.13	02:40	10.31	10.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/03/2021	02:05	10.15	15:55	11.26	10.30	00:00	0.00	15:40	0.12	0.00	00:00	0.000	15:40	0.123	0.000	57	
08/04/2021	23:50	10.08	09:45	10.20	10.14	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/05/2021	00:00	10.07	19:10	10.35	10.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/06/2021	21:15	10.21	13:30	13.28	10.80	00:00	0.00	13:25	0.39	0.04	00:00	0.000	13:25	0.522	0.052	6914	0.13
08/07/2021	20:15	10.10	00:00	11.72	10.31	00:35	0.00	00:10	0.15	0.00	00:35	0.000	00:10	0.166	0.006	735	
08/08/2021	20:20	10.10	21:45	10.46	10.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
08/09/2021	02:10	10.15	20:15	51.72	12.49	00:00	0.00	20:20	2.85	0.22	00:00	0.000	20:20	8.887	0.471	62947	1.42
08/10/2021	18:10	10.77	20:00	76.92	12.56	06:00	0.00	19:55	3.85	0.23	06:00	0.000	19:55	12.025	0.417	55779	0.91
08/11/2021	22:45	10.98	11:50	13.15	11.45	02:00	0.00	11:45	0.36	0.07	02:00	0.000	11:45	0.479	0.085	11401	0.08
08/12/2021	22:45	10.77	01:00	10.99	10.87	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/13/2021	22:45	10.65	03:25	10.78	10.71	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/14/2021	23:10	10.60	06:35	10.71	10.64	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/15/2021	20:25	10.54	06:35	10.65	10.59	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/16/2021	17:40	10.51	13:45	10.61	10.56	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/17/2021	19:10	10.45	01:45	10.60	10.50	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/18/2021	18:15	10.39	00:25	10.46	10.42	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/19/2021	21:10	10.31	03:35	10.48	10.38	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/20/2021	21:55	10.26	04:10	10.43	10.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/21/2021	16:45	10.23	01:40	10.42	10.32	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/22/2021	22:15	10.21	04:25	10.39	10.26	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/23/2021	00:50	10.23	11:40	15.31	10.49	00:00	0.00	11:40	0.77	0.01	00:00	0.000	11:40	1.248	0.011	1458	
08/24/2021	05:45	10.65	18:20	45.82	12.20	00:00	0.00	18:20	3.17	0.19	00:00	0.000	18:20	9.901	0.423	56572	1.71
08/25/2021	19:35	10.74	23:30	13.86	11.11	05:10	0.00	23:25	0.44	0.07	05:10	0.000	23:25	0.629	0.076	10223	0.09
08/26/2021	23:50	10.69	00:00	13.51	11.00	02:10	0.00	00:00	0.40	0.03	02:10	0.000	00:00	0.547	0.032	4236	0.01
08/27/2021	23:45	10.63	03:20	10.75	10.68	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/28/2021	11:25	10.58	17:00	18.27	11.18	00:00	0.00	17:00	1.07	0.05	00:00	0.000	17:00	2.142	0.084	11173	0.09
08/29/2021	09:45	10.61	14:55	12.12	10.82	00:00	0.00	14:50	0.22	0.01	00:00	0.000	14:50	0.260	0.010	1333	0.09
08/30/2021	12:40	10.60	01:45	10.71	10.63	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/31/2021	20:10	10.54	06:45	10.62	10.56	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			872709	11.87
Avg	10.82	0.03	0.045	

Evanston, IL

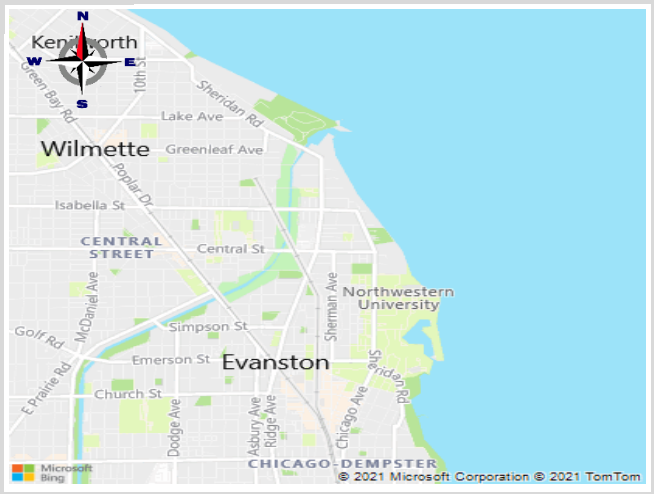
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

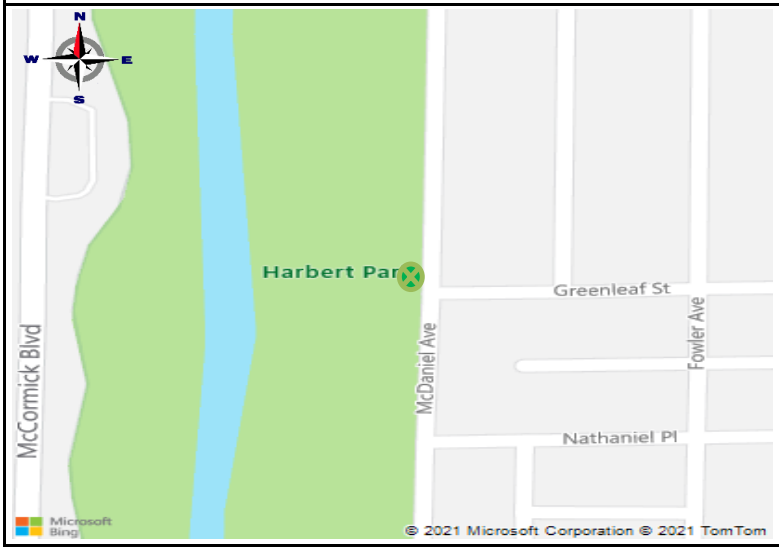
S0901000 (MP2)

Site Address /Location:	Near intersection of McDaniel Ave. and Greenleaf St.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in grass	Latitude:	42.037389	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.708675	21 x 21	Circular



Manhole #	System Characteristics
S09_01000	Other
Access	Traffic
Drive	None







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, April 08, 2021	Doppler Standard Ring and Crank
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
11:37:00 AM	21 x 21
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
14.00	N/A
Downlooker Physical Offset (in)	Measurement Confidence (in)
N/A	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
19.3	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

Upstream N 	Downstream 	Upstream S 
	Downstream Weir 	

SCATTERGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

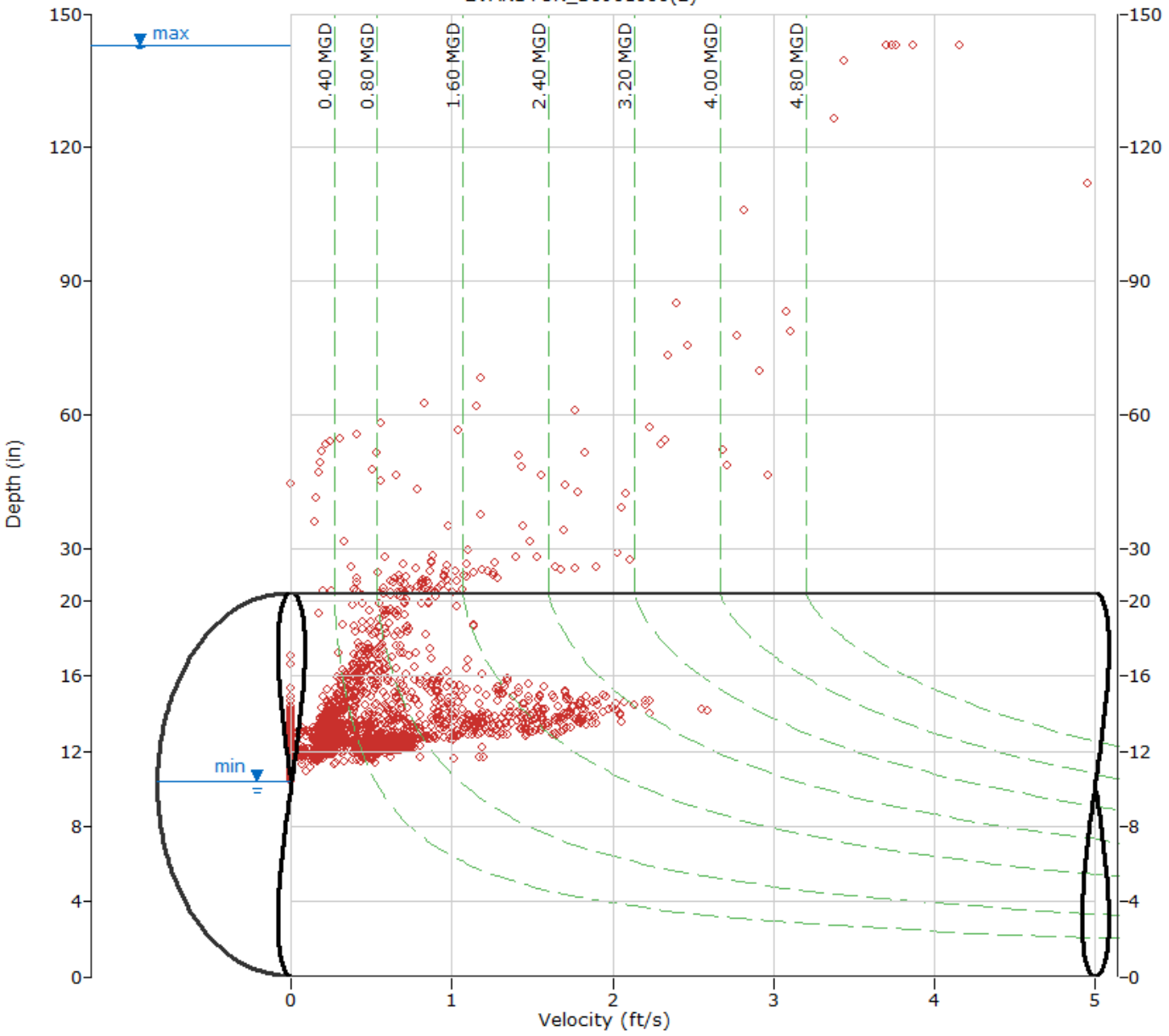
Pipe Height
20.50 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



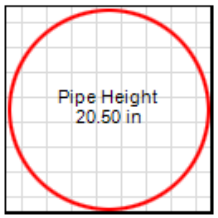
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

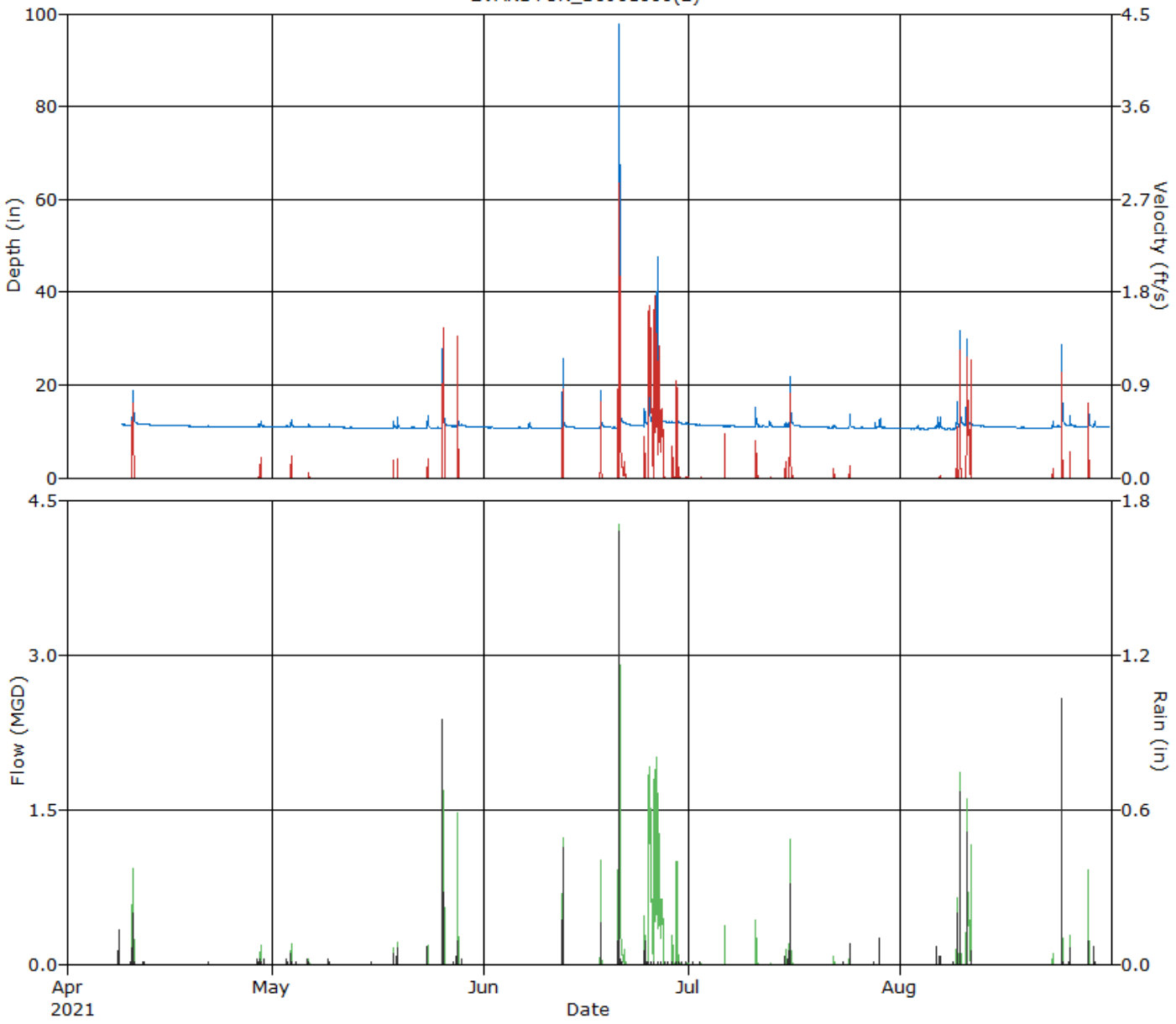


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



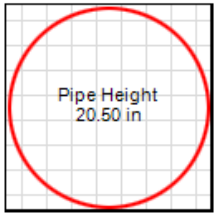
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

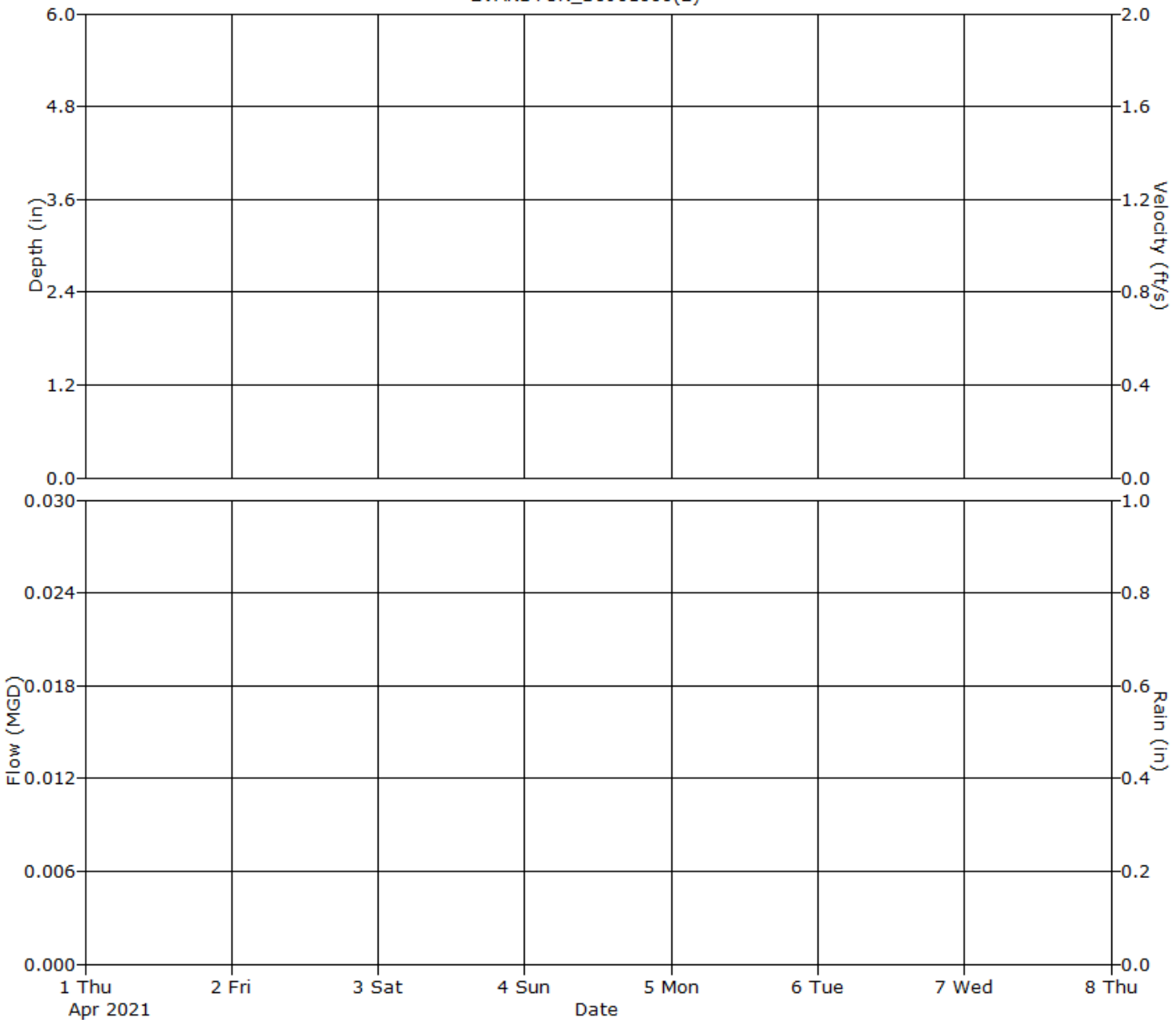


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

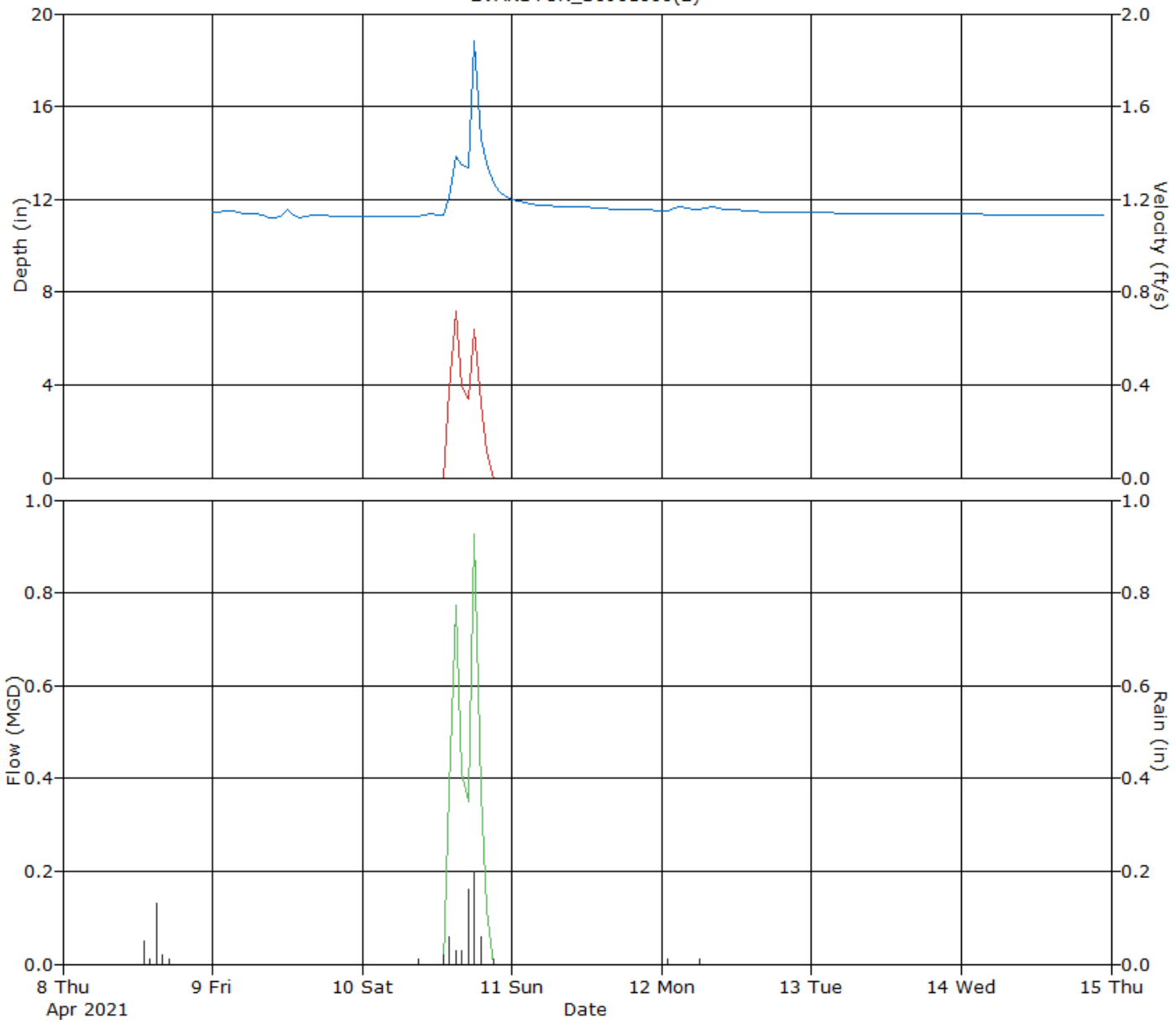
Pipe Height
20.50 in

Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



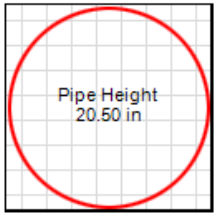
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

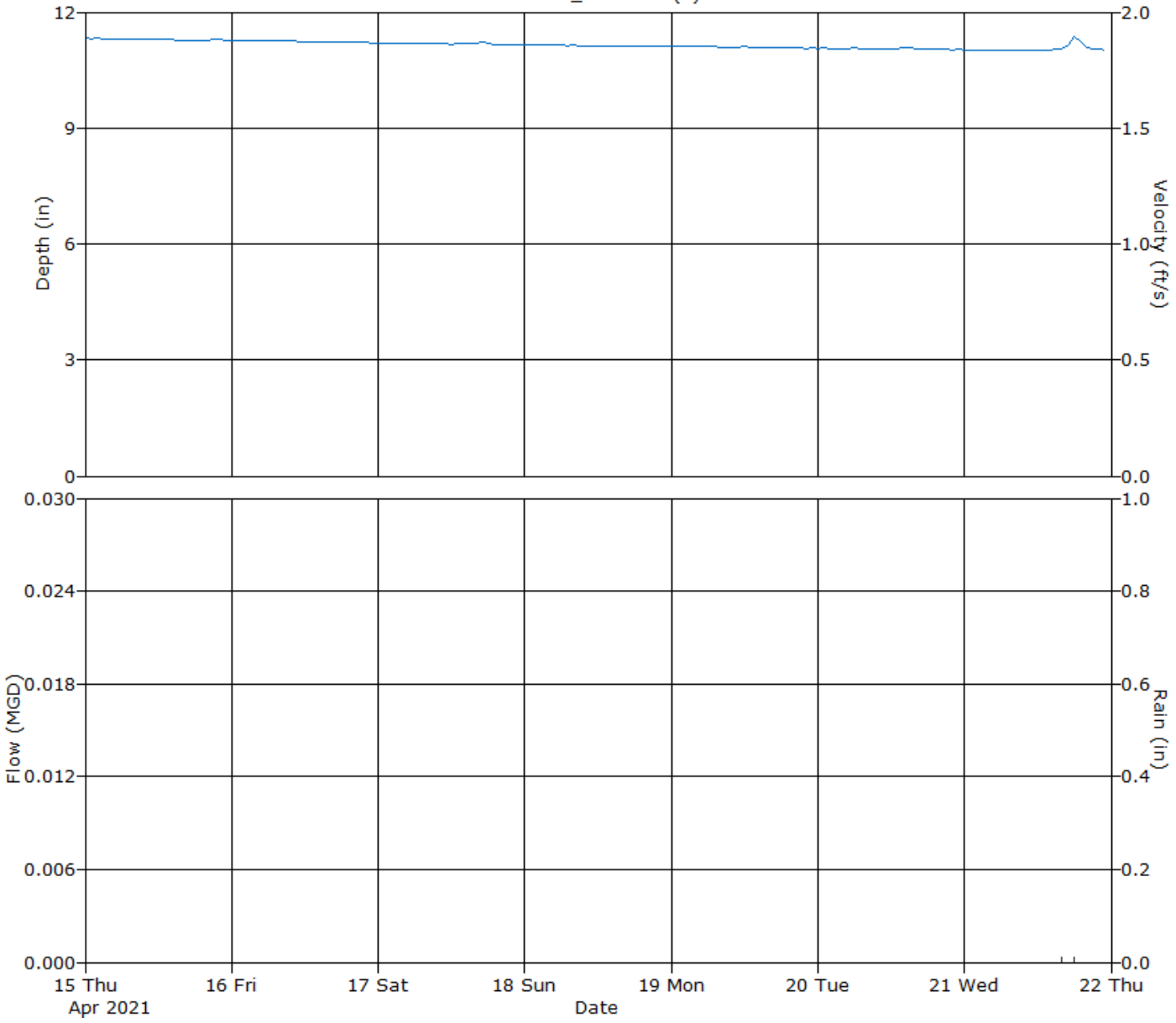


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



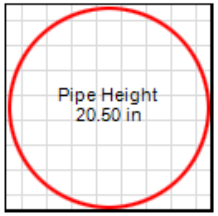
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

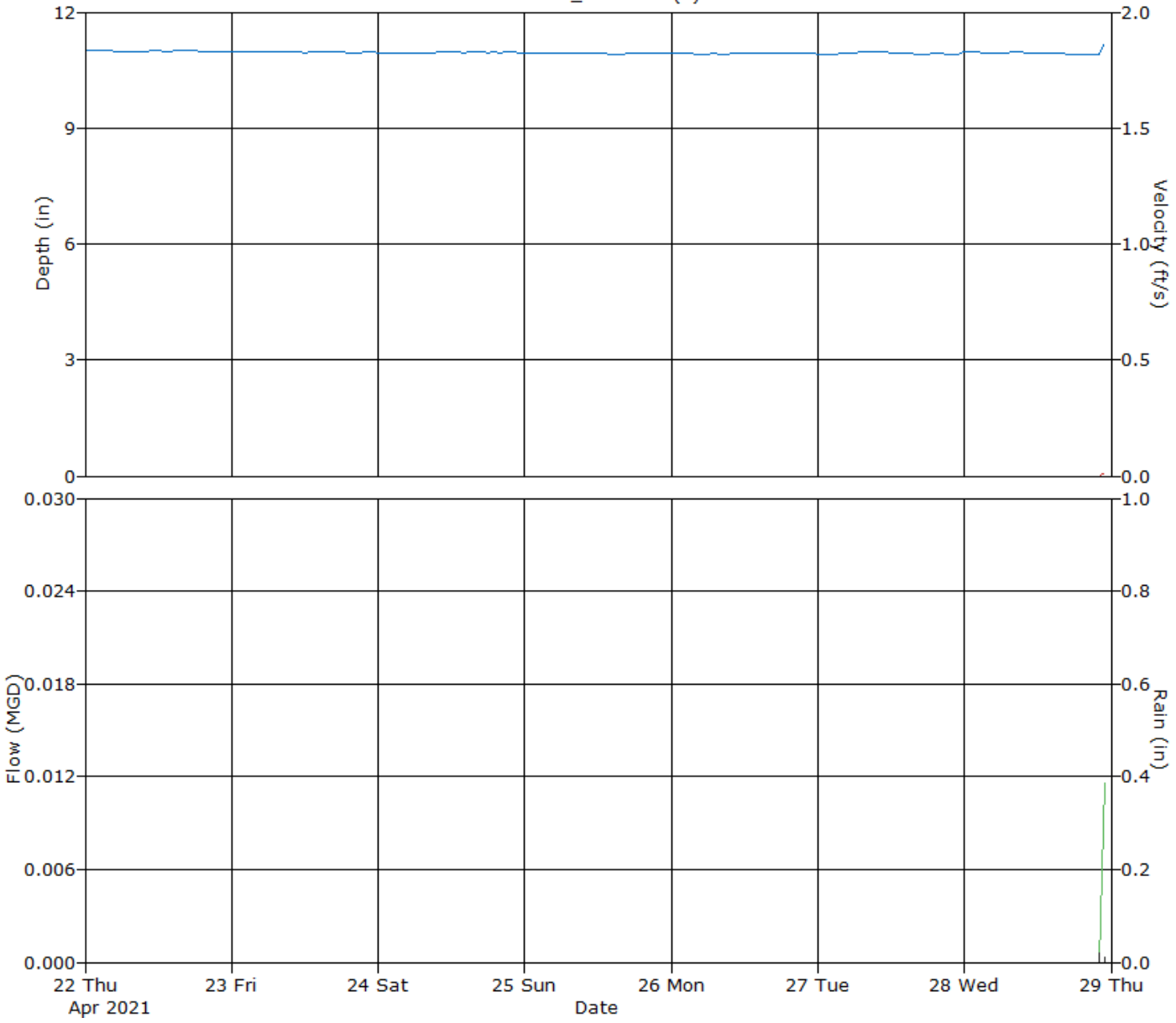


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

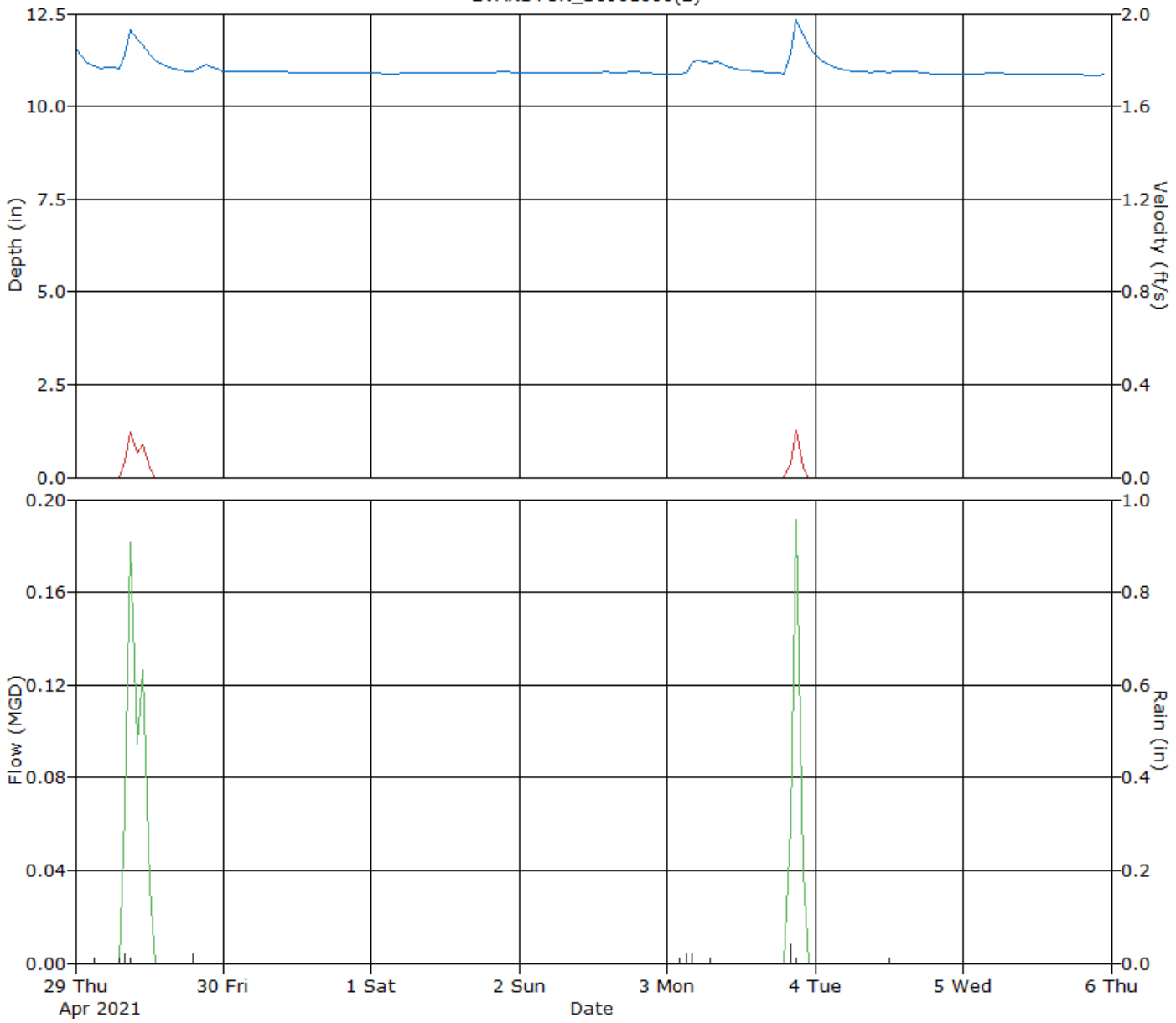
Pipe Height
20.50 in

Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

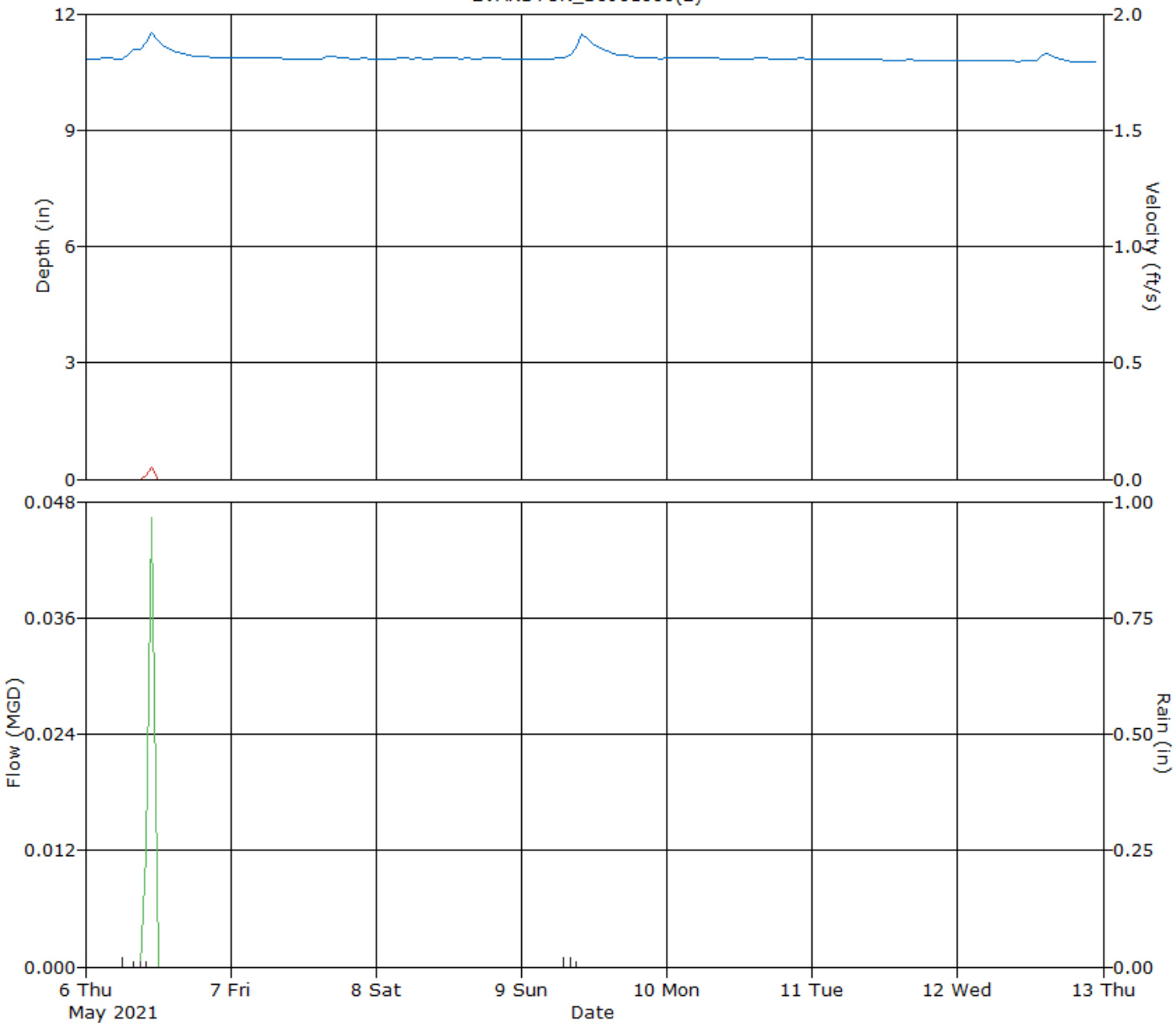
Pipe Height
20.50 in

Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

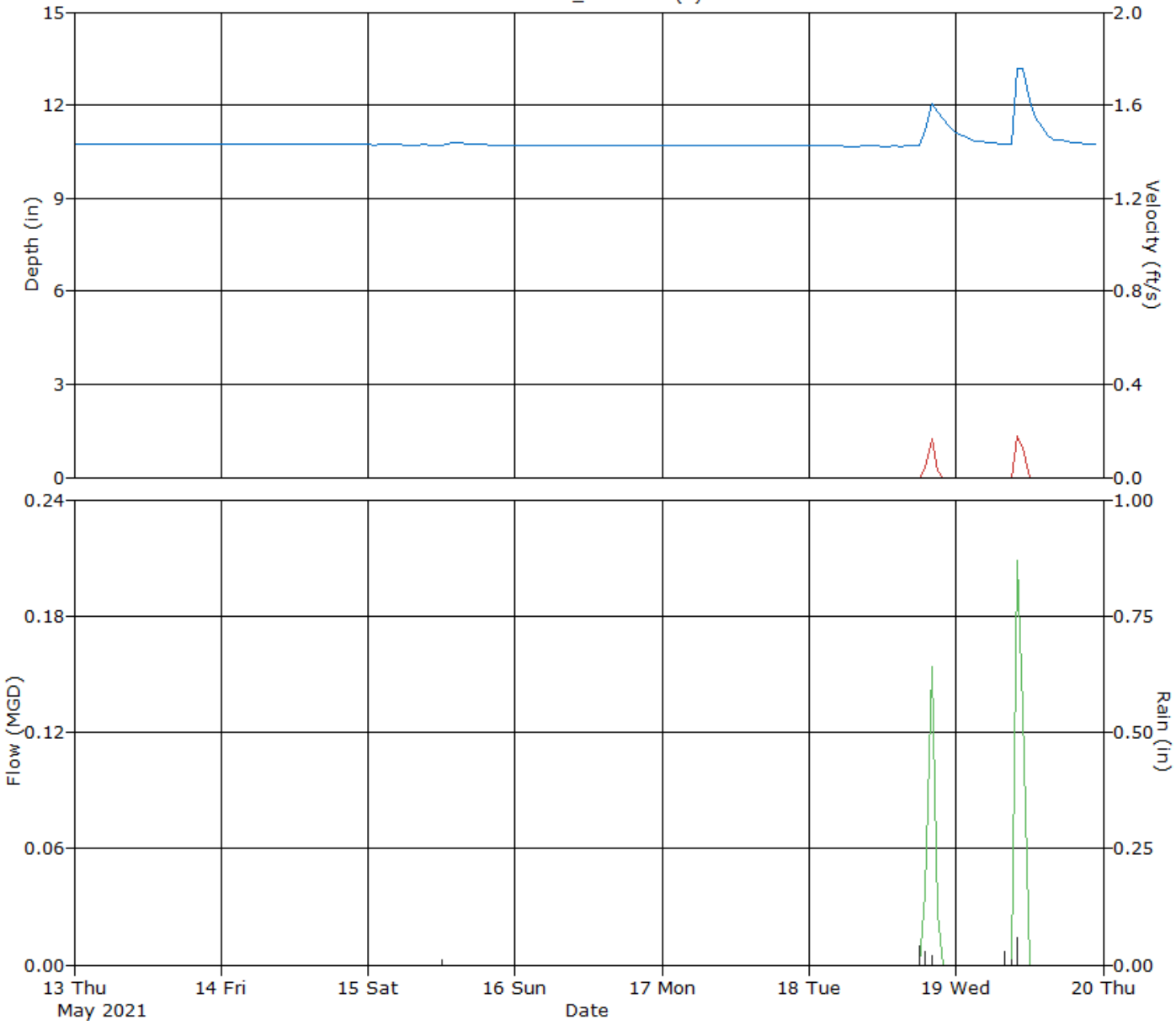
Pipe Height
20.50 in

Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

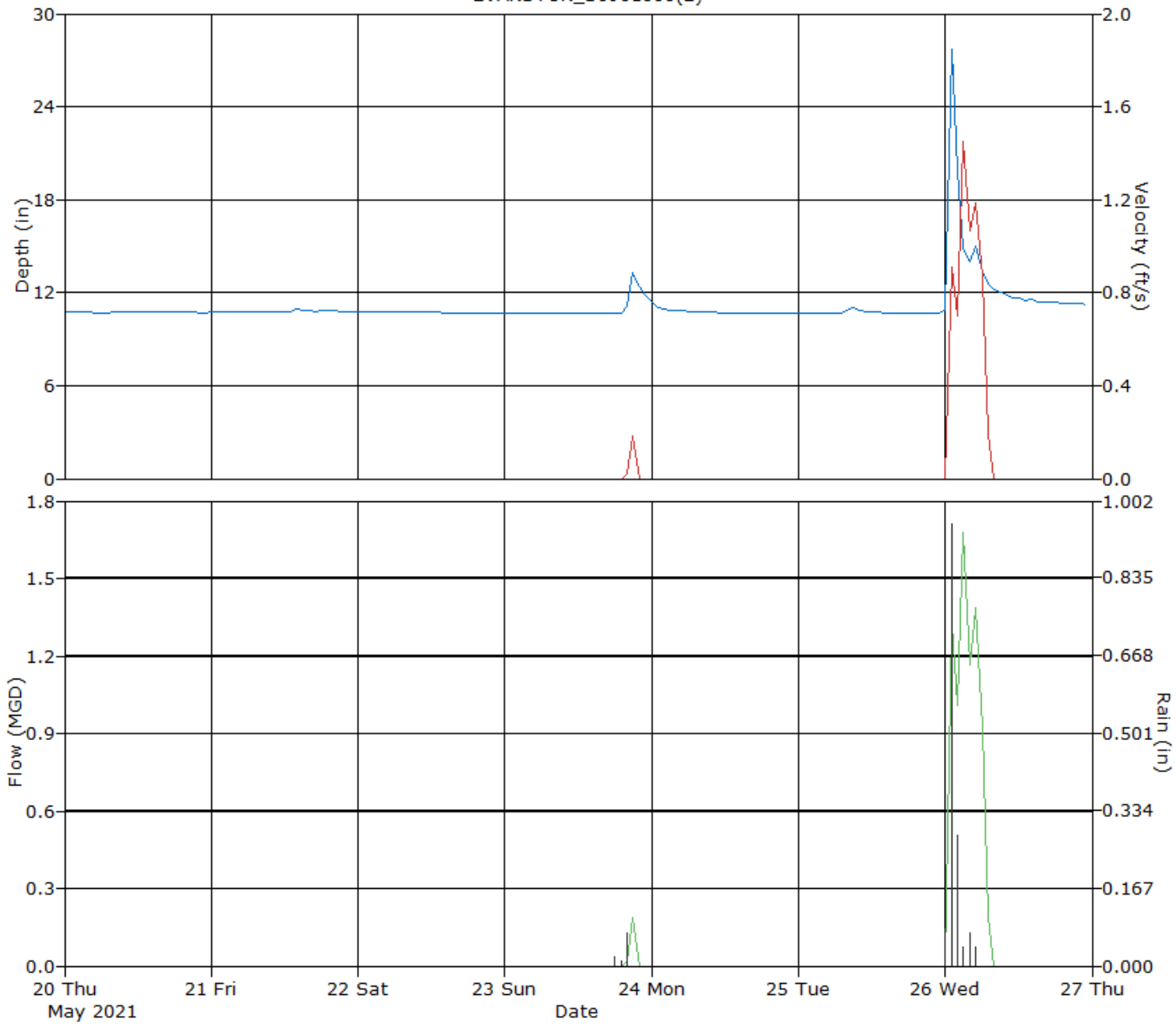
Pipe Height
20.50 in

Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

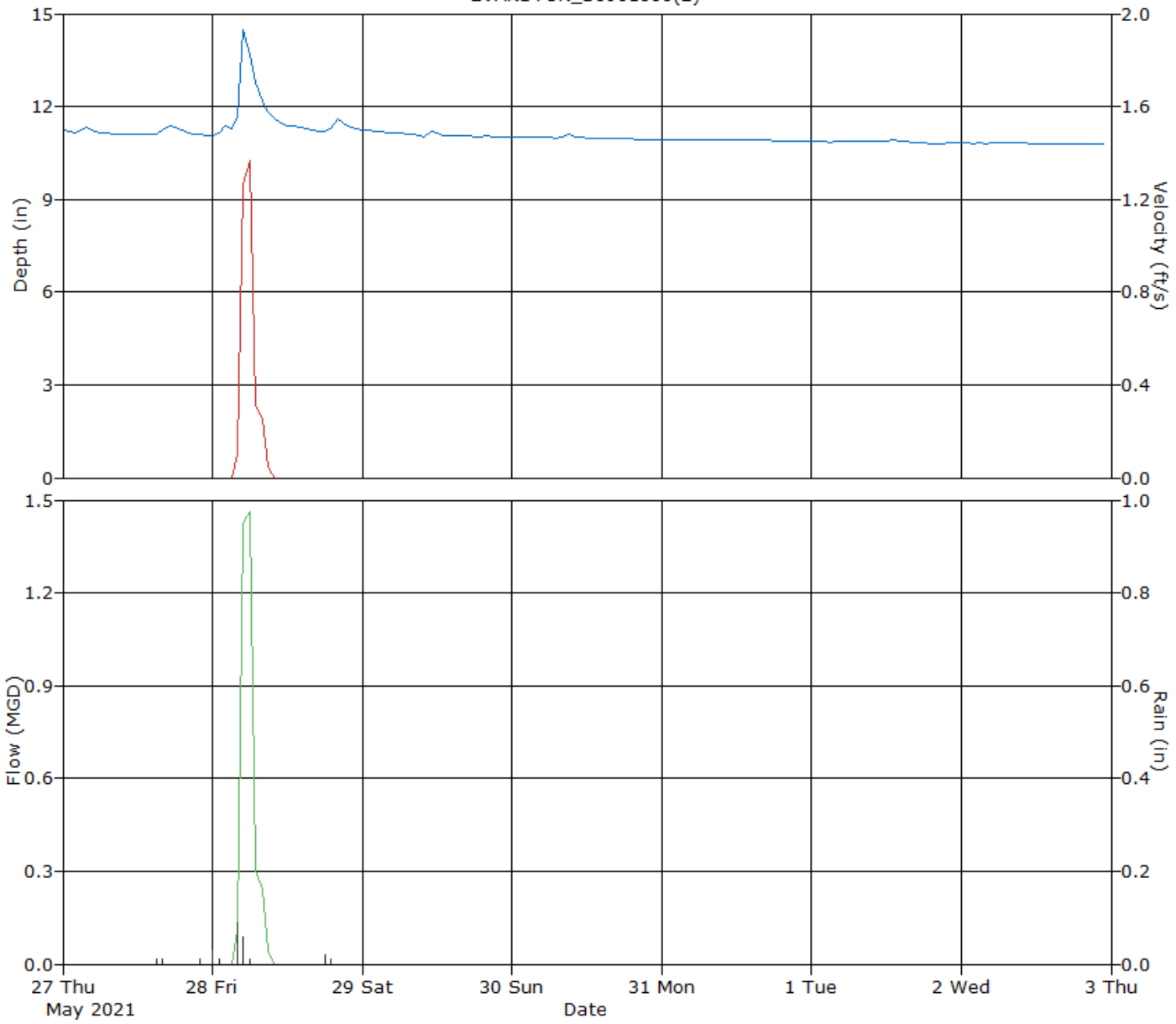
Pipe Height
20.50 in

Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



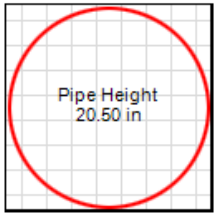
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

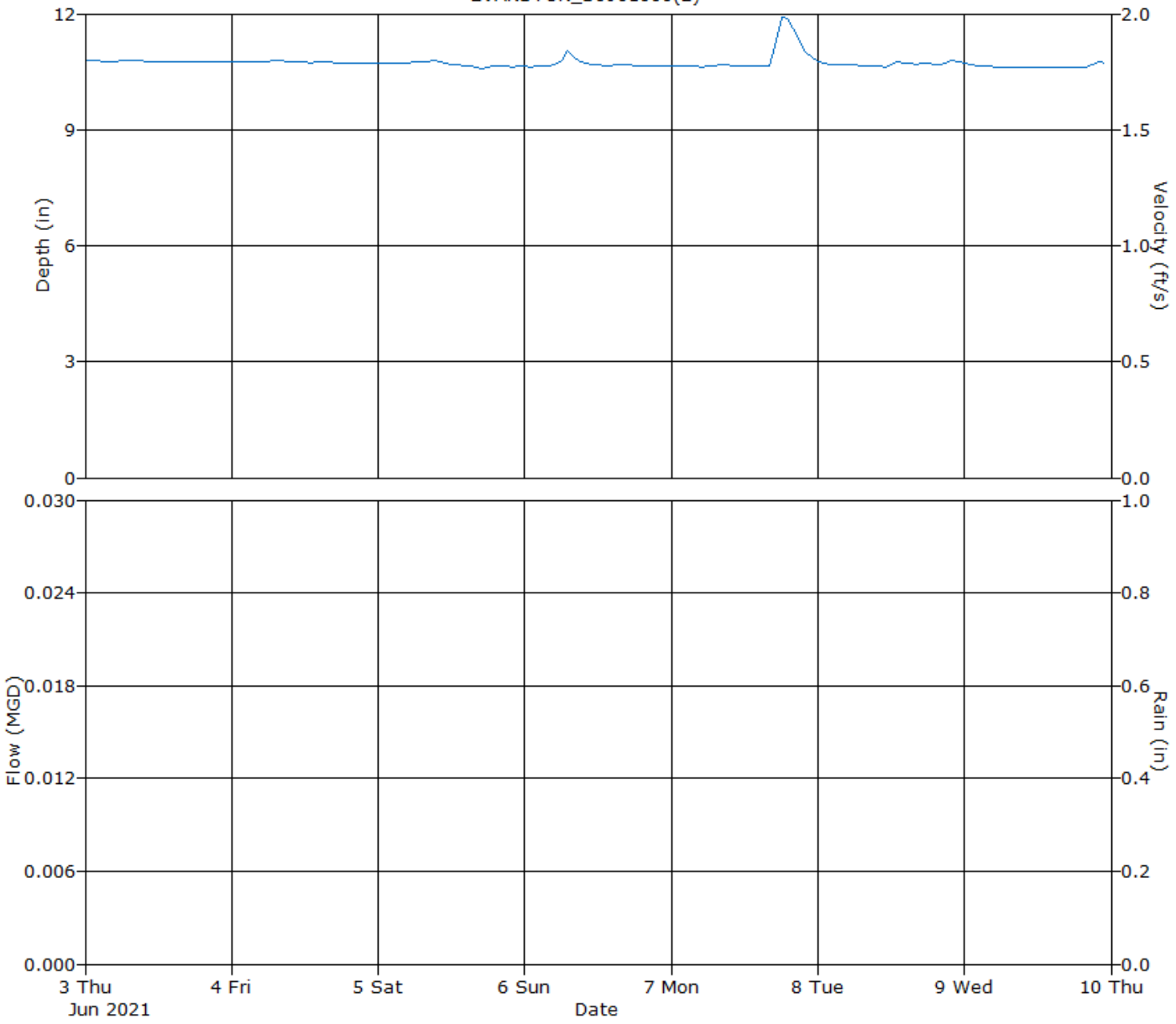


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

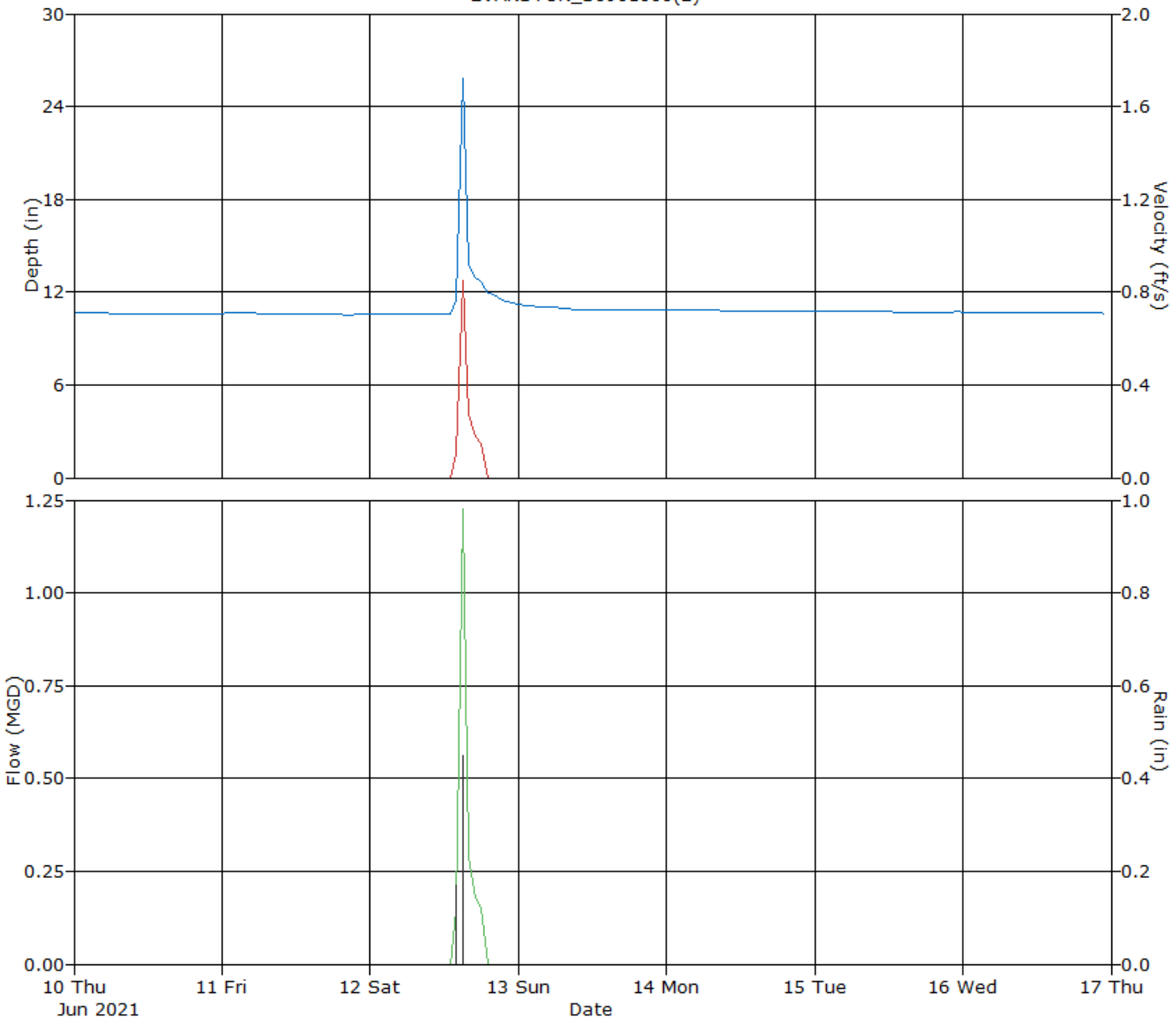
Pipe Height
20.50 in

Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

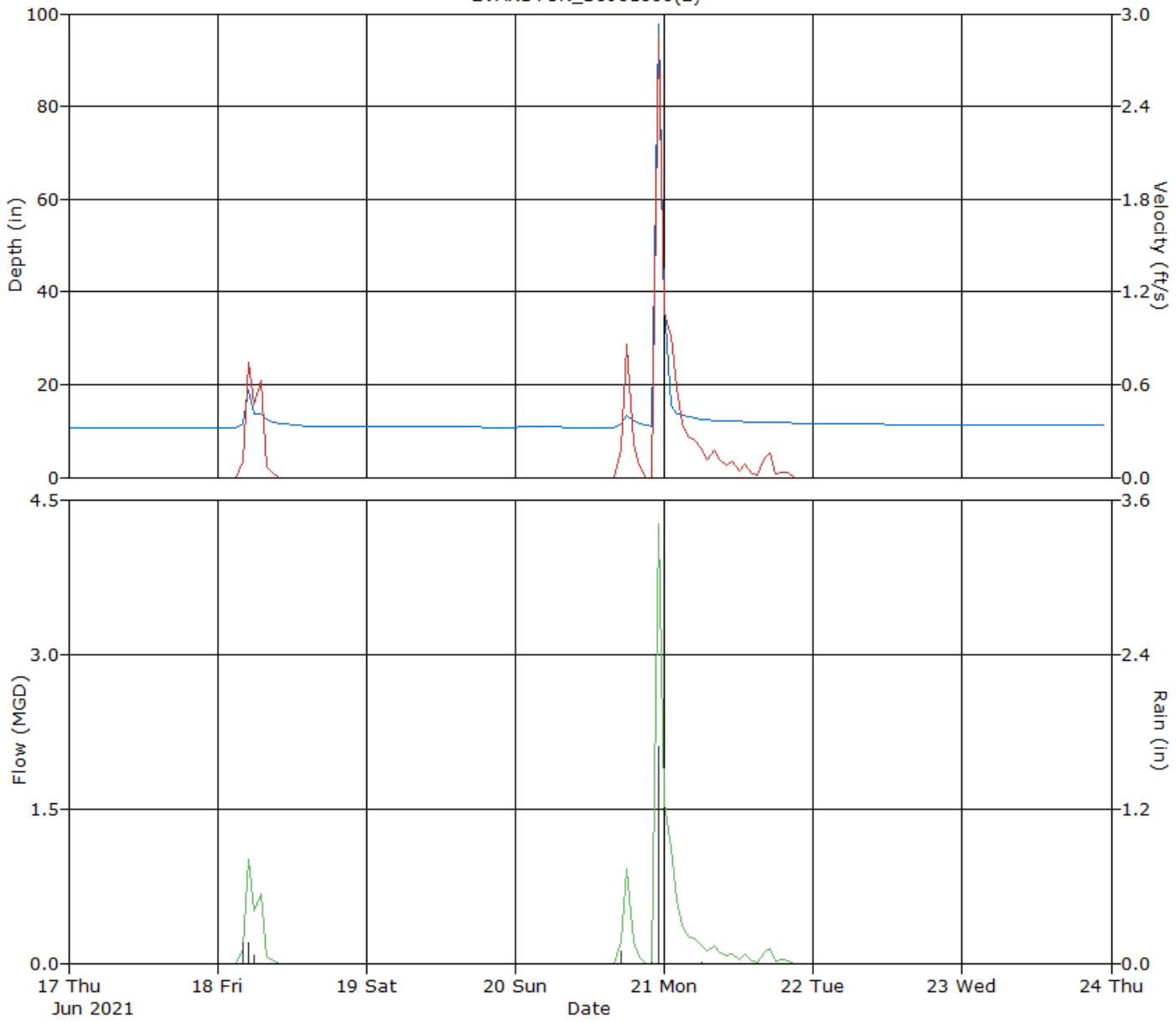
Pipe Height
20.50 in

Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

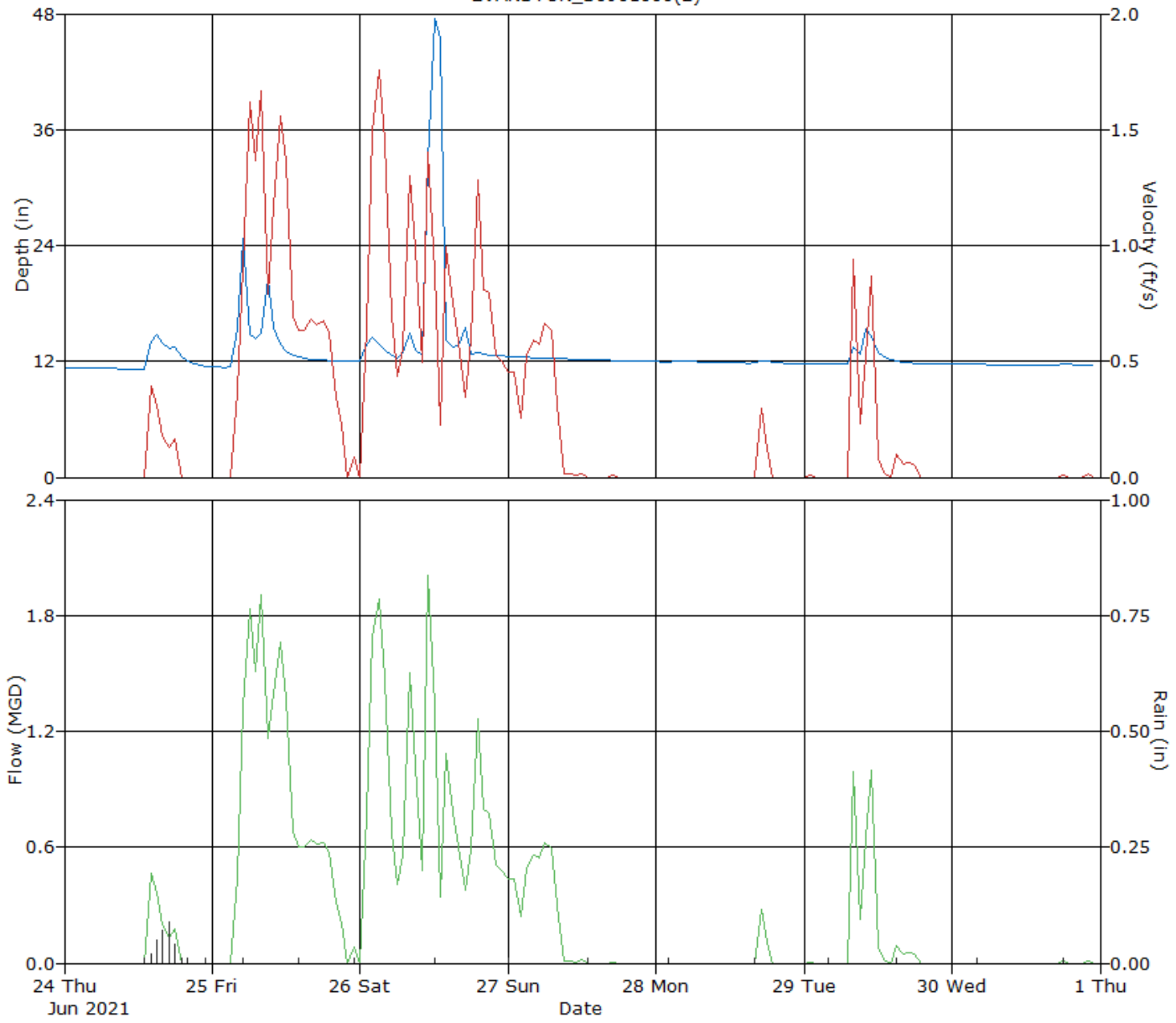
Pipe Height
20.50 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

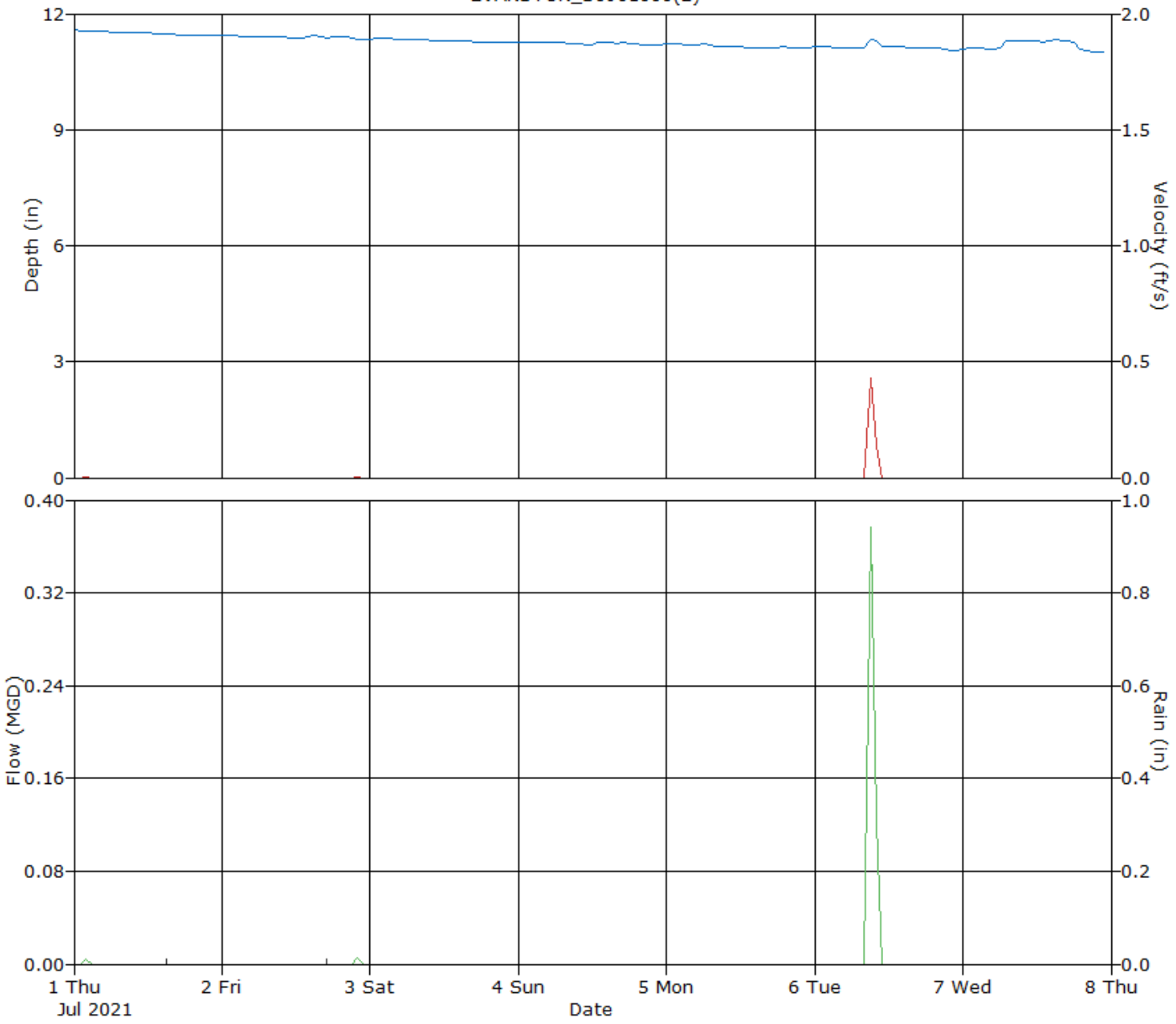
Pipe Height
20.50 in

Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

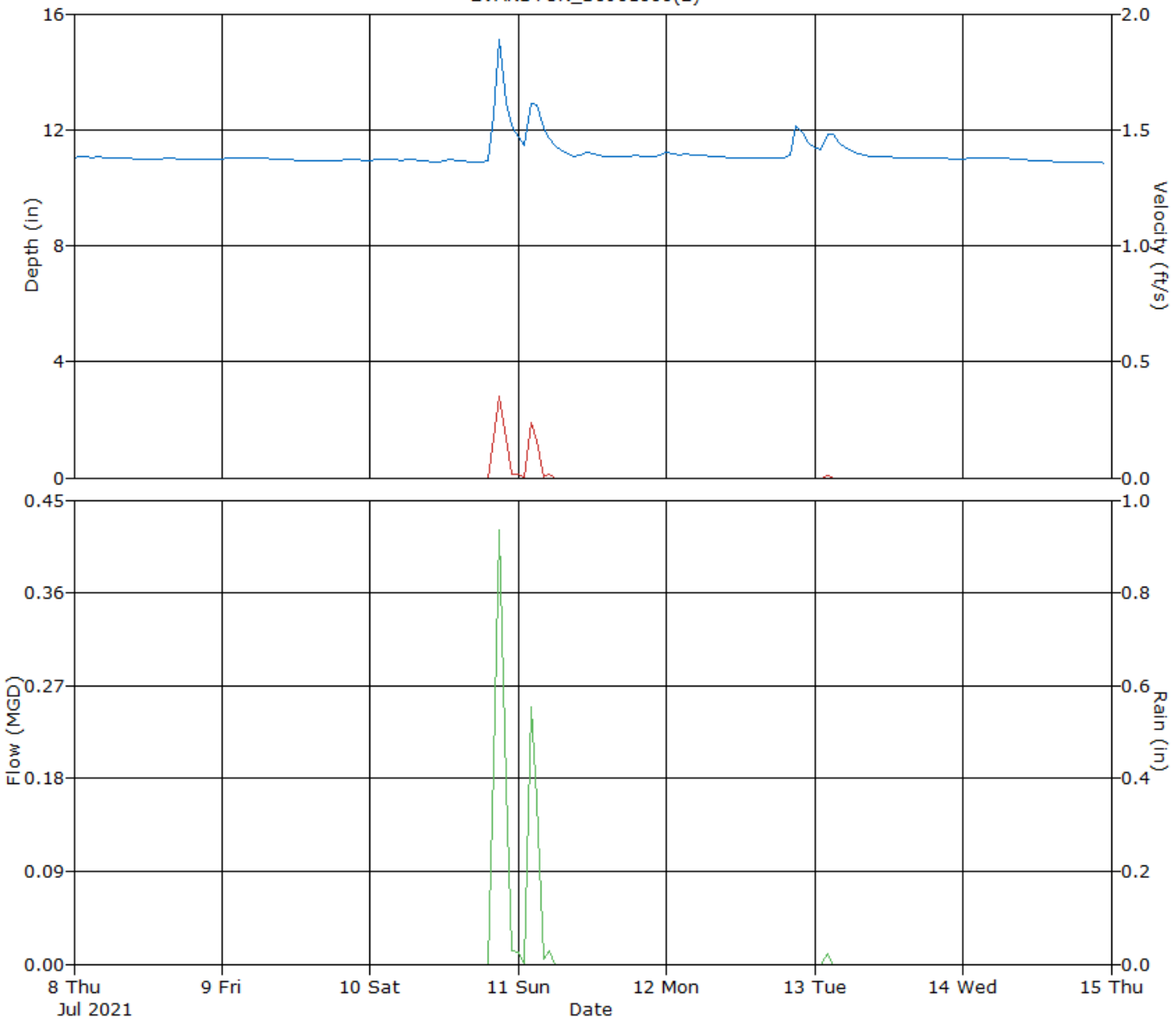
Pipe Height
20.50 in

Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



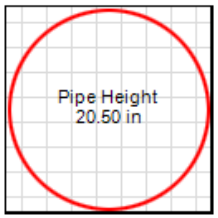
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

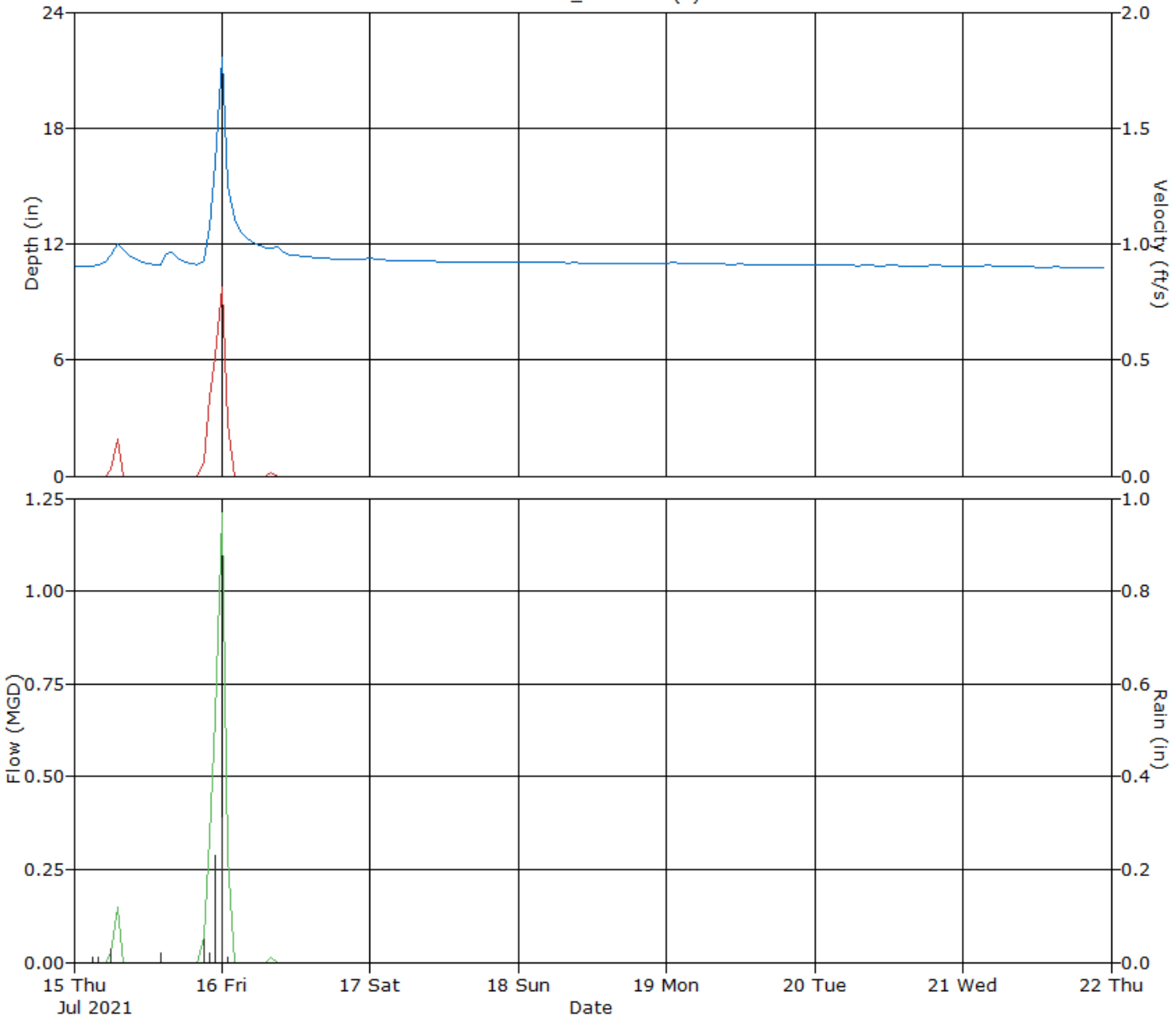


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



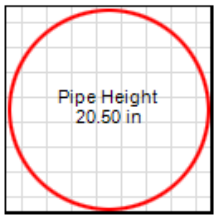
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

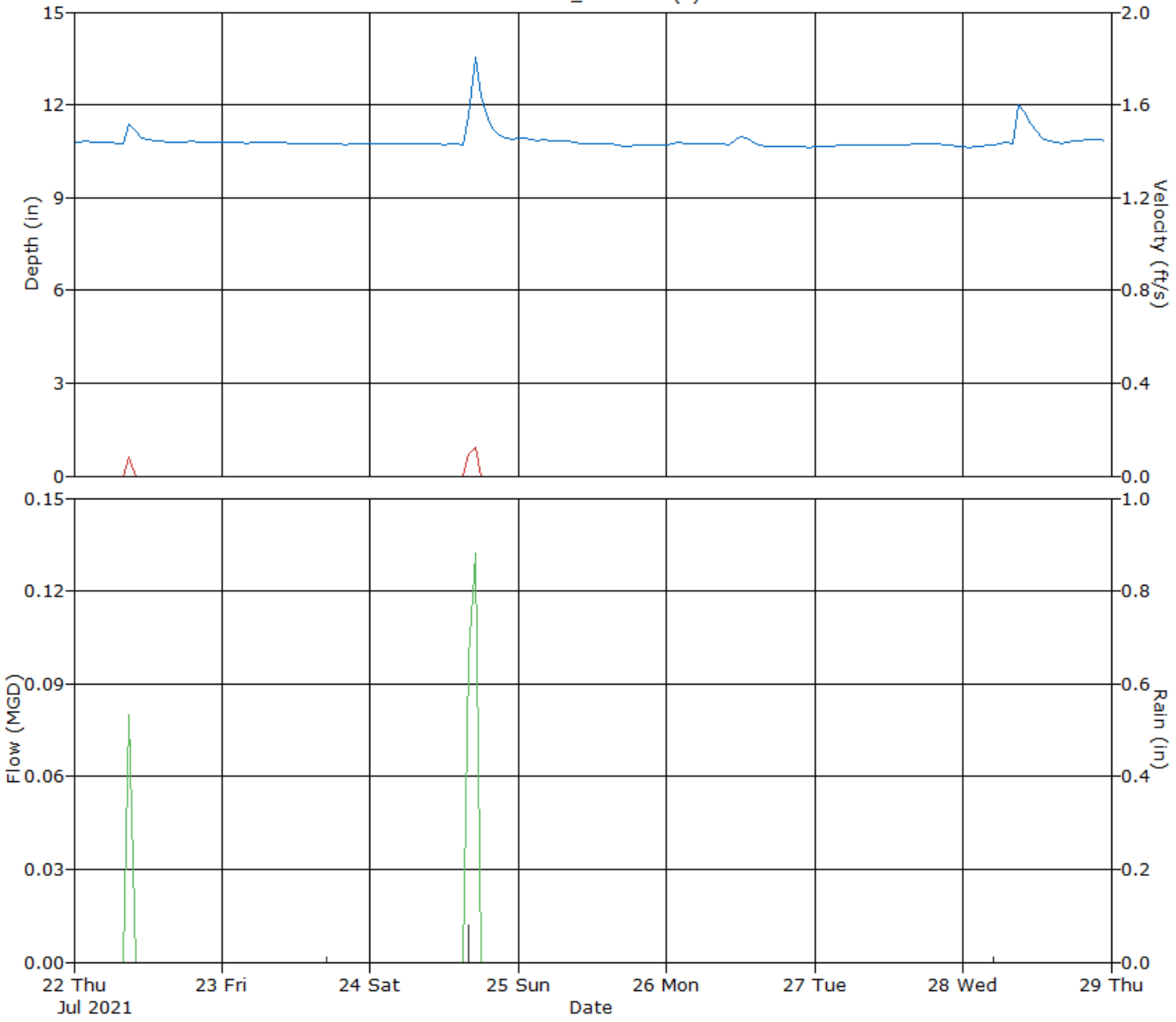


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



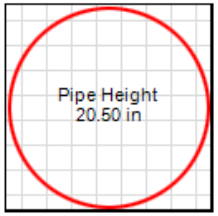
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

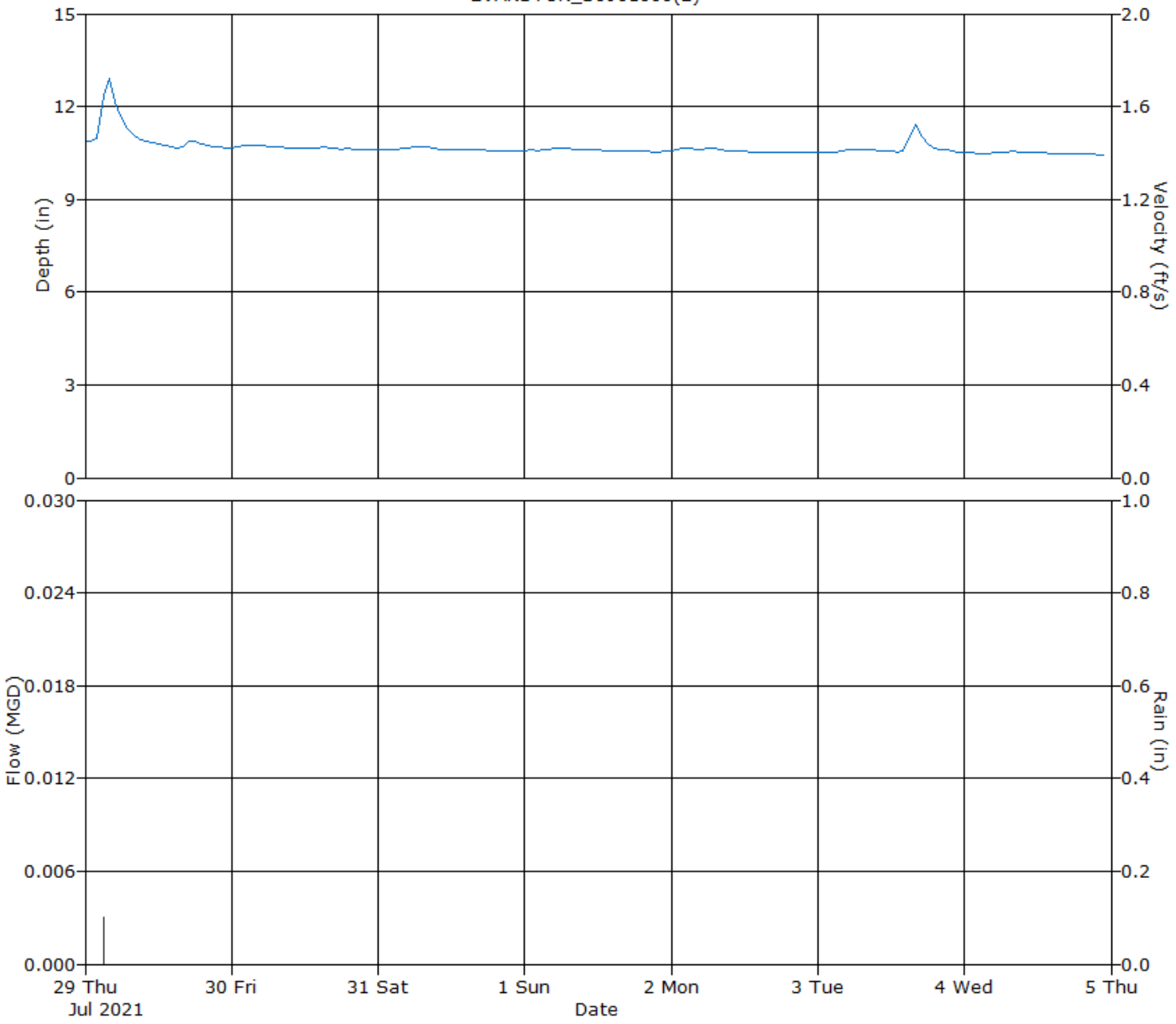


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



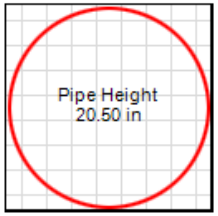
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

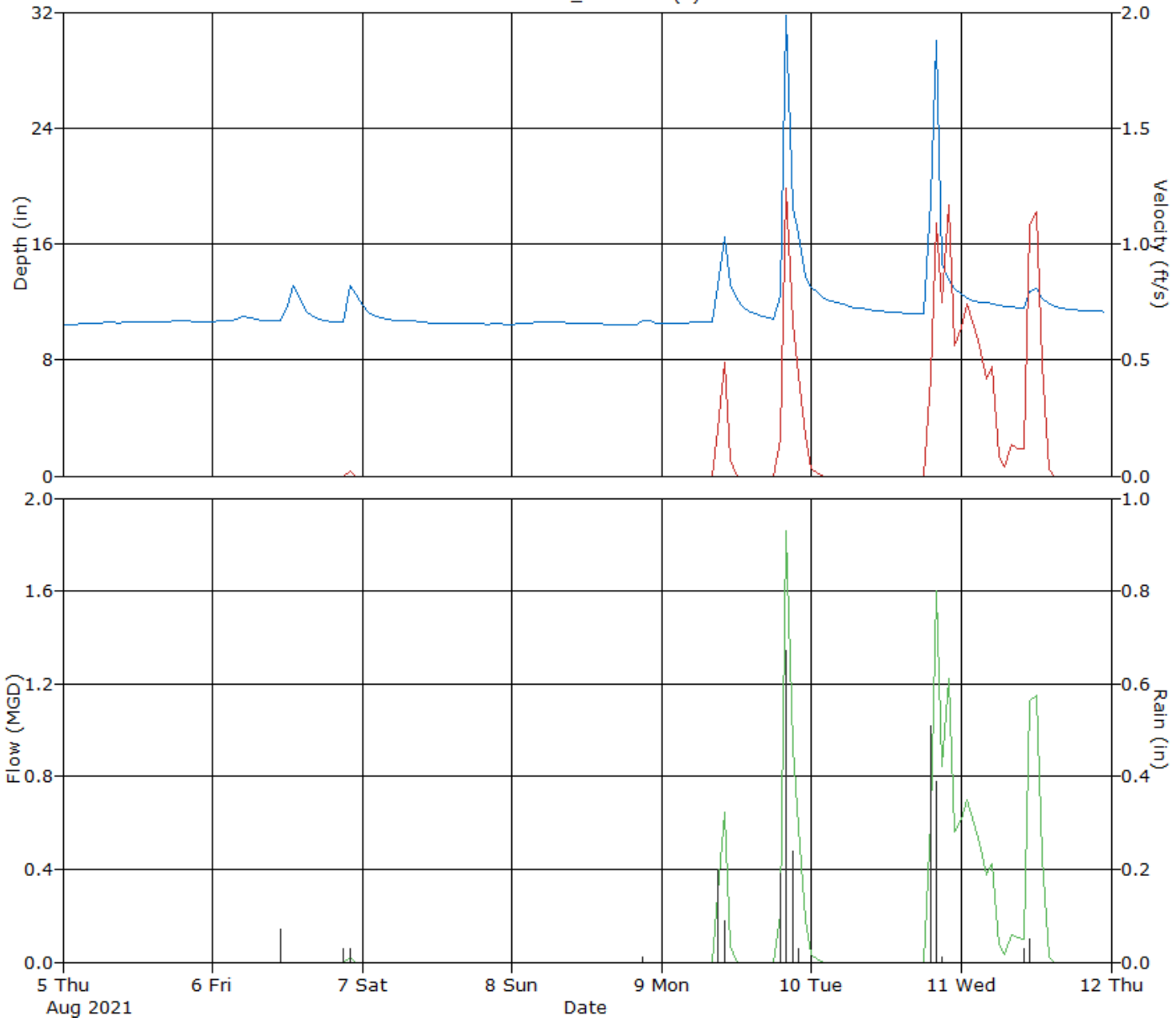


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



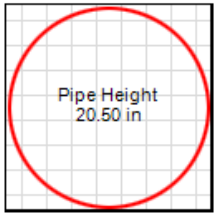
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

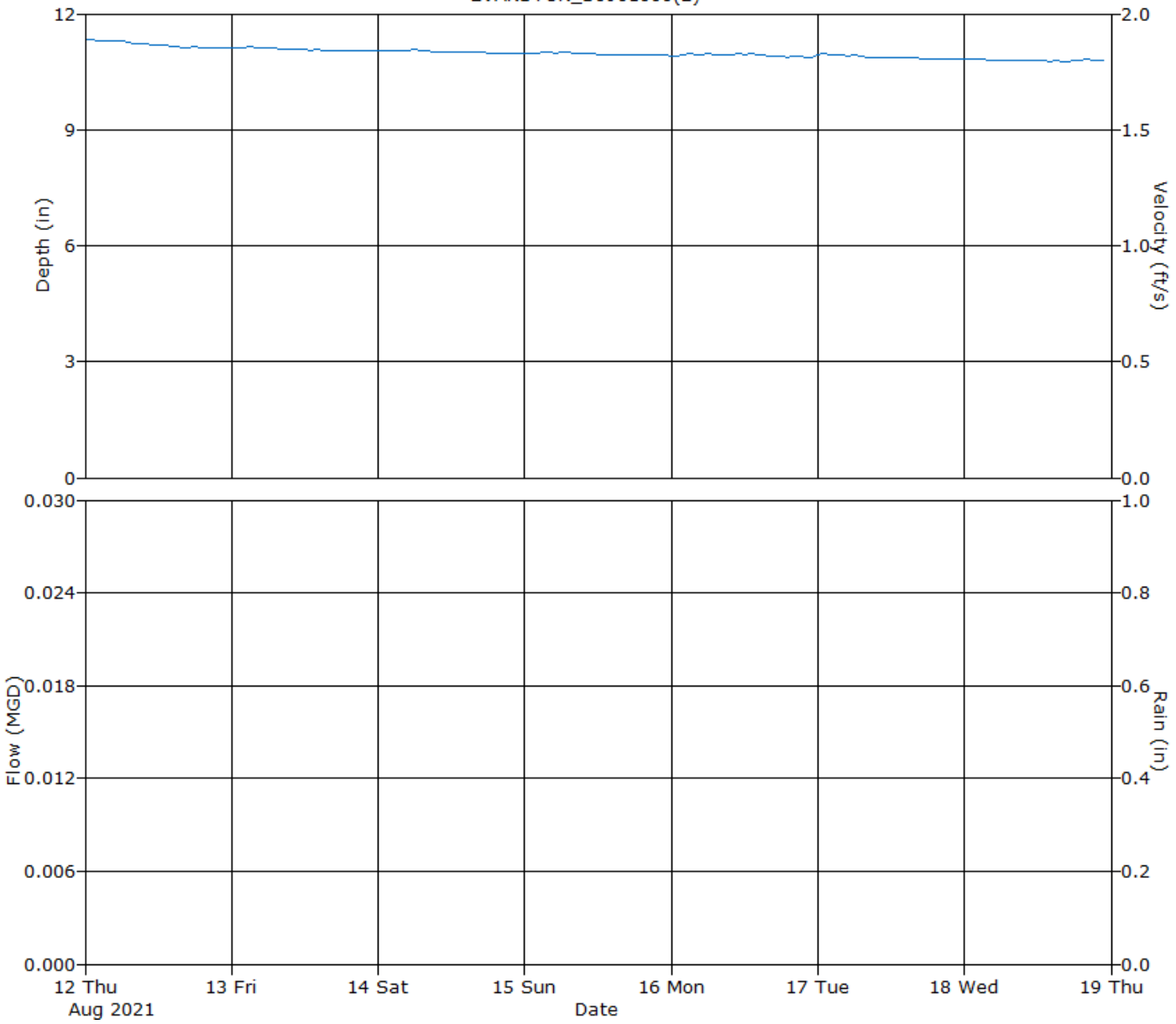


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



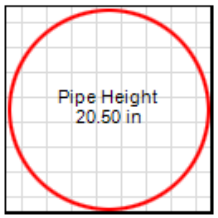
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

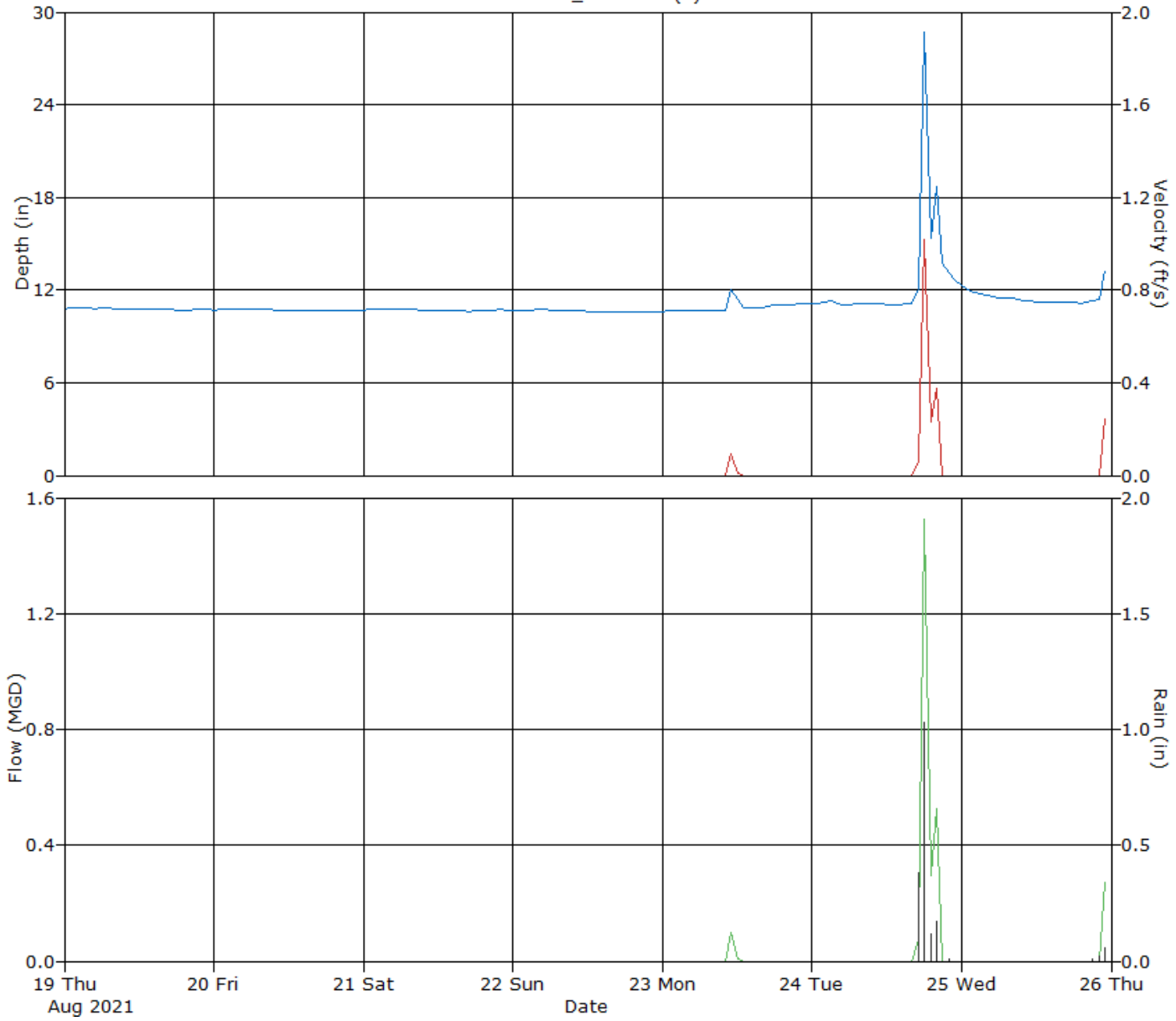


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S0901000(2)

Flow Monitor

EVANSTON_S0901000(2)

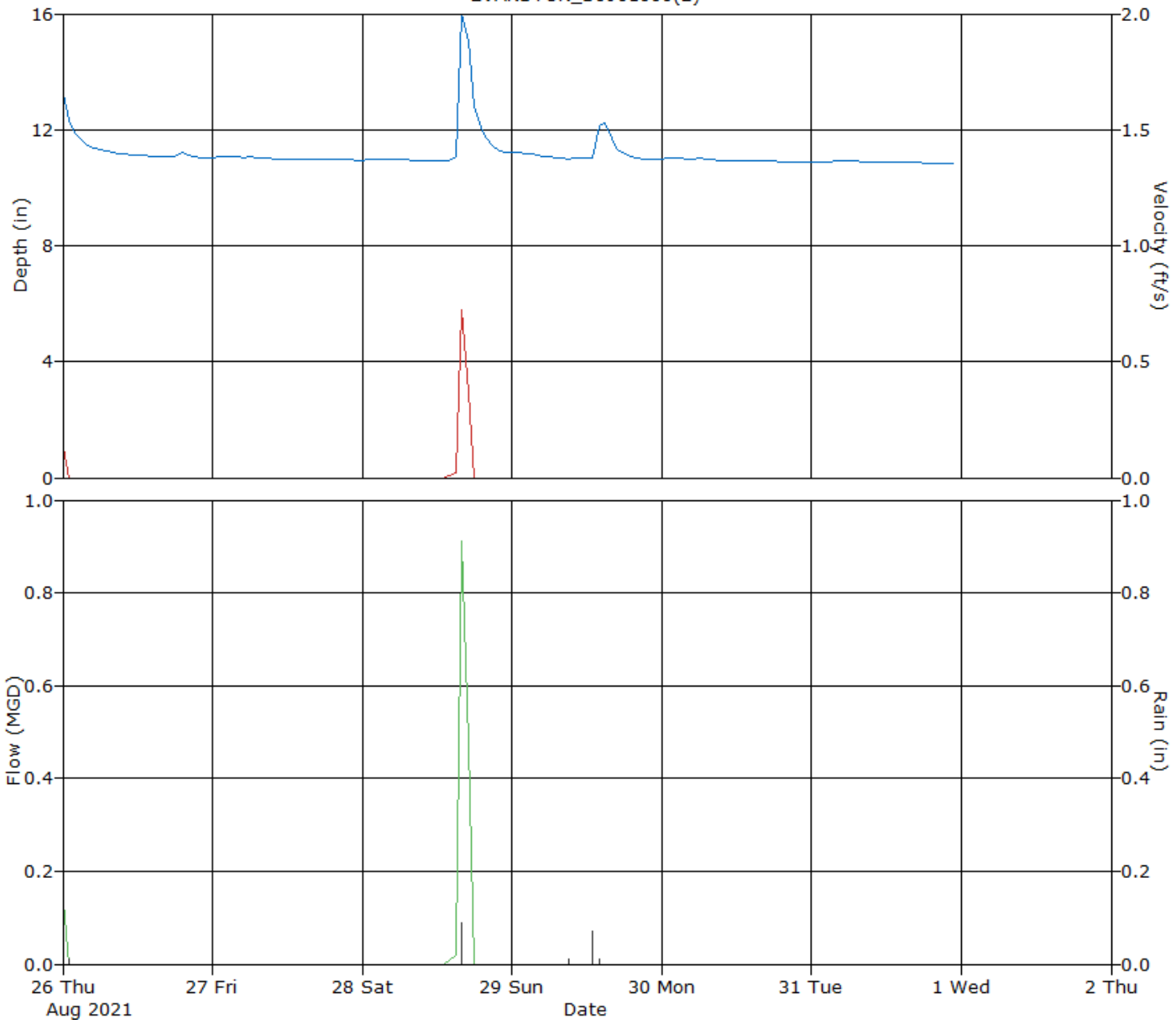
Pipe Height
20.50 in

Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S0901000(2), Pipe Height: 20.50 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.22
04/09/2021	14:05	11.20	12:25	11.62	11.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/10/2021	09:25	11.24	18:15	20.53	12.29	00:00	0.00	14:50	1.14	0.12	00:00	0.000	18:40	1.344	0.138	18514	0.58
04/11/2021	23:35	11.52	00:00	12.05	11.67	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/12/2021	23:40	11.44	02:55	11.69	11.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.02
04/13/2021	22:05	11.36	00:05	11.43	11.39	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/14/2021	21:55	11.30	00:50	11.37	11.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/15/2021	23:55	11.26	00:25	11.33	11.29	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/16/2021	23:55	11.20	00:35	11.29	11.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/17/2021	22:45	11.15	17:45	11.22	11.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/18/2021	21:40	11.10	01:30	11.16	11.13	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/19/2021	23:55	11.06	04:20	11.12	11.09	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/20/2021	22:30	11.02	15:20	11.07	11.05	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/21/2021	12:05	11.00	18:05	11.40	11.05	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.02
04/22/2021	19:50	10.97	00:05	11.02	10.99	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/23/2021	20:55	10.94	03:15	10.99	10.97	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/24/2021	07:25	10.94	20:00	10.97	10.95	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/25/2021	17:10	10.90	01:05	10.96	10.93	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/26/2021	08:55	10.90	19:05	10.95	10.92	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/27/2021	21:55	10.90	09:35	10.98	10.93	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/28/2021	23:00	10.89	23:55	11.57	10.94	00:00	0.00	23:45	0.16	0.00	00:00	0.000	23:45	0.140	0.000	65	0.03
04/29/2021	20:15	10.93	09:05	12.15	11.21	00:00	0.00	09:00	0.23	0.02	00:00	0.000	09:00	0.211	0.021	2790	0.07
04/30/2021	23:45	10.88	00:00	10.98	10.92	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/01/2021	03:25	10.87	21:20	10.96	10.91	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/02/2021	23:30	10.86	18:50	10.94	10.91	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/03/2021	00:20	10.87	21:00	12.45	11.15	00:00	0.00	20:45	0.26	0.01	00:00	0.000	20:50	0.242	0.012	1618	0.11
05/04/2021	23:35	10.86	00:00	11.46	10.97	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
05/05/2021	22:05	10.84	05:30	10.90	10.87	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/06/2021	02:20	10.83	11:15	11.56	10.98	00:00	0.00	11:05	0.17	0.00	00:00	0.000	11:05	0.150	0.002	323	0.05
05/07/2021	13:05	10.83	16:55	10.92	10.86	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/08/2021	02:25	10.82	19:50	10.86	10.84	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/09/2021	02:30	10.83	10:35	11.53	10.96	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.05
05/10/2021	18:25	10.82	04:20	10.88	10.85	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/11/2021	19:40	10.79	00:30	10.85	10.81	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/12/2021	19:40	10.75	14:55	11.05	10.80	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/13/2021	21:20	10.72	00:45	10.77	10.75	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/14/2021	23:35	10.72	17:45	10.76	10.74	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/15/2021	23:30	10.70	14:20	10.81	10.73	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
05/16/2021	23:45	10.68	03:25	10.72	10.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	21:20	10.67	12:35	10.70	10.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/18/2021	07:30	10.66	20:20	12.09	10.87	00:00	0.00	20:40	0.24	0.01	00:00	0.000	20:40	0.218	0.009	1211	0.09
05/19/2021	08:40	10.73	10:30	15.92	11.14	00:00	0.00	10:35	0.37	0.01	00:00	0.000	10:35	0.443	0.014	1896	0.10
05/20/2021	22:45	10.70	11:15	10.75	10.73	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/21/2021	01:20	10.71	14:20	10.95	10.78	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/22/2021	20:25	10.68	07:55	10.79	10.74	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/23/2021	19:40	10.66	21:05	13.49	10.93	00:00	0.00	21:05	0.26	0.01	00:00	0.000	21:05	0.270	0.009	1161	0.10
05/24/2021	13:30	10.66	00:00	11.54	10.78	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/25/2021	16:00	10.65	09:00	11.11	10.72	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/26/2021	00:00	10.67	01:40	73.38	13.03	00:00	0.00	01:40	2.34	0.27	00:00	0.000	01:40	3.514	0.320	42760	1.46
05/27/2021	23:50	11.06	04:00	11.43	11.17	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.03
05/28/2021	00:25	11.06	05:15	14.78	11.69	00:00	0.00	06:10	1.88	0.14	00:00	0.000	06:10	2.042	0.149	19939	0.23
05/29/2021	10:25	10.94	00:00	11.27	11.10	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/30/2021	22:45	10.93	09:20	11.10	10.98	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/31/2021	22:35	10.86	16:00	10.95	10.92	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/01/2021	21:15	10.78	13:30	10.92	10.86	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/02/2021	18:40	10.77	07:40	10.86	10.80	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/03/2021	12:50	10.75	08:15	10.80	10.77	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/04/2021	20:55	10.70	07:45	10.80	10.74	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/05/2021	17:55	10.57	09:15	10.80	10.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/06/2021	01:40	10.62	07:10	11.11	10.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/07/2021	00:00	10.62	18:45	11.94	10.86	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/08/2021	11:15	10.63	00:00	10.80	10.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/09/2021	09:05	10.59	22:45	10.75	10.64	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/10/2021	23:40	10.56	00:00	10.69	10.61	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/11/2021	21:10	10.53	01:55	10.72	10.59	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/12/2021	14:40	10.53	15:10	56.54	11.77	00:00	0.00	15:05	1.56	0.06	00:00	0.000	15:05	2.339	0.083	11092	0.62
06/13/2021	23:55	10.82	00:00	11.27	10.93	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/14/2021	23:30	10.73	02:35	10.87	10.79	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/15/2021	20:55	10.67	01:35	10.79	10.73	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/16/2021	23:20	10.62	00:00	10.72	10.68	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/17/2021	21:30	10.60	08:25	10.72	10.66	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/18/2021	02:25	10.59	05:00	29.04	11.67	00:00	0.00	05:00	2.03	0.08	00:00	0.000	05:00	3.037	0.101	13483	0.38
06/19/2021	23:50	10.77	14:25	10.93	10.85	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/20/2021	16:55	10.72	23:45	142.90	14.69	00:00	0.00	23:20	4.95	0.17	00:00	0.000	23:20	7.425	0.235	31468	1.78
06/21/2021	23:50	11.63	00:00	106.05	13.38	06:40	0.00	00:00	2.82	0.19	06:40	0.000	00:00	4.228	0.222	29682	0.03
06/22/2021	23:35	11.28	00:00	11.64	11.44	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/23/2021	22:10	11.14	00:45	11.29	11.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/24/2021	13:25	11.09	15:45	16.39	11.94	00:00	0.00	14:30	0.70	0.05	00:00	0.000	14:35	0.849	0.056	7461	0.31
06/25/2021	03:35	11.35	05:05	54.33	13.62	00:00	0.00	08:45	2.59	0.67	00:00	0.000	05:05	3.484	0.731	97717	0.03
06/26/2021	01:20	11.99	11:45	83.16	16.85	00:00	0.00	11:50	3.11	0.81	00:00	0.000	11:50	4.656	0.891	119141	0.01
06/27/2021	22:55	11.97	00:00	12.56	12.23	01:40	0.00	06:40	0.72	0.19	01:40	0.000	06:40	0.680	0.179	23880	0.02
06/28/2021	23:25	11.79	17:40	12.10	11.91	00:00	0.00	17:35	0.65	0.02	00:00	0.000	17:35	0.597	0.016	2141	0.02
06/29/2021	07:35	11.73	10:40	17.59	12.26	00:00	0.00	11:10	1.48	0.12	00:00	0.000	11:10	1.808	0.133	17846	0.02
06/30/2021	23:15	11.56	18:55	11.85	11.66	00:00	0.00	22:50	0.15	0.00	00:00	0.000	22:50	0.131	0.001	115	0.02
07/01/2021	20:35	11.42	00:30	11.58	11.49	00:00	0.00	02:20	0.07	0.00	00:00	0.000	02:20	0.057	0.000	26	0.01
07/02/2021	23:10	11.32	00:20	11.46	11.40	00:00	0.00	22:40	0.07	0.00	00:00	0.000	22:40	0.059	0.000	28	0.01
07/03/2021	22:45	11.24	01:30	11.37	11.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/04/2021	22:00	11.16	13:55	11.28	11.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/05/2021	22:10	11.11	01:10	11.26	11.16	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/06/2021	23:00	11.05	09:45	11.67	11.14	00:00	0.00	09:40	1.20	0.02	00:00	0.000	09:40	1.057	0.021	2786	
07/07/2021	22:55	11.01	15:20	11.33	11.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/08/2021	23:50	10.96	02:15	11.07	11.01	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/09/2021	16:40	10.93	03:35	11.06	10.98	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/10/2021	18:00	10.88	21:05	16.26	11.31	00:00	0.00	20:45	0.55	0.03	00:00	0.000	20:45	0.605	0.033	4459	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	15:55	11.05	02:35	13.65	11.38	00:00	0.00	02:20	0.46	0.02	00:00	0.000	02:20	0.471	0.018	2436	
07/12/2021	20:45	10.99	21:30	12.21	11.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/13/2021	22:50	10.99	02:45	11.97	11.18	00:00	0.00	02:35	0.13	0.00	00:00	0.000	02:35	0.121	0.000	56	
07/14/2021	23:20	10.85	03:35	11.05	10.94	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/15/2021	02:30	10.84	23:55	22.47	11.43	00:00	0.00	21:55	0.76	0.05	00:00	0.000	23:55	1.024	0.051	6879	0.37
07/16/2021	22:50	11.17	00:00	25.03	12.19	01:35	0.00	00:20	0.97	0.04	01:35	0.000	00:20	1.452	0.063	8372	0.32
07/17/2021	23:45	11.03	00:05	11.28	11.10	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/18/2021	19:15	10.97	01:15	11.08	11.02	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/19/2021	17:40	10.91	01:35	11.04	10.96	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/20/2021	23:15	10.84	00:05	10.93	10.89	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/21/2021	14:10	10.78	04:15	10.91	10.83	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/22/2021	08:15	10.75	09:35	12.52	10.84	00:00	0.00	09:35	0.42	0.00	00:00	0.000	09:35	0.402	0.003	446	
07/23/2021	20:00	10.71	06:10	10.81	10.76	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/24/2021	15:50	10.69	16:55	14.41	11.04	00:00	0.00	16:55	0.40	0.01	00:00	0.000	16:55	0.447	0.010	1285	0.08
07/25/2021	17:40	10.66	00:40	10.94	10.78	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/26/2021	19:35	10.62	12:35	10.97	10.73	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/27/2021	01:40	10.63	18:05	10.76	10.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/28/2021	01:30	10.62	09:10	12.94	10.90	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/29/2021	23:50	10.64	04:05	13.09	11.07	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.10
07/30/2021	21:55	10.60	04:35	10.74	10.67	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/31/2021	20:40	10.56	07:15	10.71	10.62	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/01/2021	21:40	10.53	07:25	10.66	10.58	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/02/2021	16:55	10.50	02:30	10.68	10.57	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/03/2021	03:20	10.50	15:55	11.65	10.65	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/04/2021	22:35	10.43	08:05	10.54	10.49	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/05/2021	00:30	10.43	19:15	10.69	10.58	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/06/2021	21:35	10.57	13:25	13.73	11.15	00:00	0.00	22:15	0.22	0.00	00:00	0.000	22:15	0.229	0.001	106	0.13
08/07/2021	23:40	10.46	00:00	12.06	10.68	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/08/2021	19:30	10.43	21:45	10.80	10.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
08/09/2021	01:30	10.47	20:15	53.51	12.91	00:00	0.00	20:45	2.97	0.14	00:00	0.000	20:45	4.450	0.199	26587	1.42
08/10/2021	19:05	11.15	20:00	77.81	12.99	00:00	0.00	20:05	2.91	0.17	00:00	0.000	20:05	4.363	0.204	27247	0.91
08/11/2021	23:35	11.33	11:45	13.59	11.82	04:30	0.00	11:45	2.06	0.28	04:30	0.000	11:45	2.172	0.267	35660	0.08
08/12/2021	23:10	11.10	00:05	11.34	11.21	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/13/2021	21:10	11.03	04:00	11.15	11.08	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/14/2021	22:45	10.96	06:05	11.10	11.02	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/15/2021	23:55	10.92	06:20	11.03	10.96	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/16/2021	19:30	10.87	06:20	10.98	10.92	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/17/2021	19:45	10.81	01:20	10.98	10.87	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/18/2021	17:00	10.76	00:40	10.84	10.80	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/19/2021	19:00	10.70	03:55	10.85	10.76	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/20/2021	23:15	10.66	07:05	10.83	10.72	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/21/2021	15:00	10.62	02:00	10.80	10.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/22/2021	21:45	10.60	04:15	10.78	10.65	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/23/2021	00:40	10.63	11:40	15.96	10.90	00:00	0.00	11:40	0.28	0.00	00:00	0.000	11:40	0.357	0.005	610	
08/24/2021	05:55	11.03	18:20	48.57	12.63	00:00	0.00	18:00	2.11	0.07	00:00	0.000	18:00	3.160	0.101	13493	1.71
08/25/2021	19:15	11.15	23:25	14.49	11.52	00:00	0.00	23:25	0.79	0.01	00:00	0.000	23:25	0.895	0.012	1547	0.09
08/26/2021	22:50	11.03	00:00	13.91	11.35	00:35	0.00	00:00	0.27	0.01	00:35	0.000	00:00	0.295	0.006	748	0.01
08/27/2021	23:55	10.94	03:35	11.10	11.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/28/2021	15:40	10.89	16:55	18.77	11.54	00:00	0.00	17:00	1.14	0.05	00:00	0.000	16:55	1.629	0.059	7859	0.09
08/29/2021	23:15	10.96	14:50	12.52	11.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.09
08/30/2021	23:45	10.89	01:55	11.06	10.95	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/31/2021	23:55	10.82	06:35	10.95	10.88	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			584934	11.87
Avg	11.18	0.03	0.030	

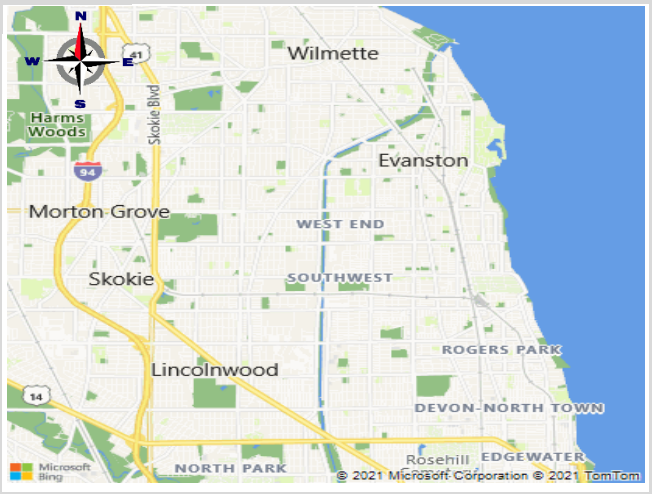
Evanston, IL

Flow Monitoring Site Report

SITE NAME

S1000500

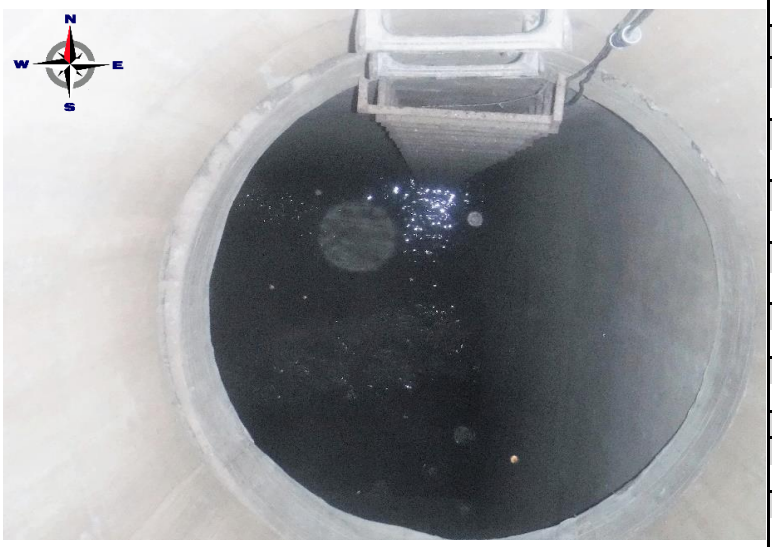
Site Address /Location:	3219 Main St.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	Park in parking lot East of Soccer Field and walk to manhole	Latitude:	42.03347	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.709453	120 x 120	Circular



Manhole #	System Characteristics
S10_00500	Other
Access	Traffic
Walk (Commercial)	None







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Tuesday, April 13, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
2:35:00 PM	120 x 120
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
3.00	115.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.50"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1.88	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
56	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	over 5 feet
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

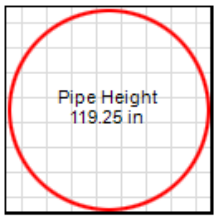
Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

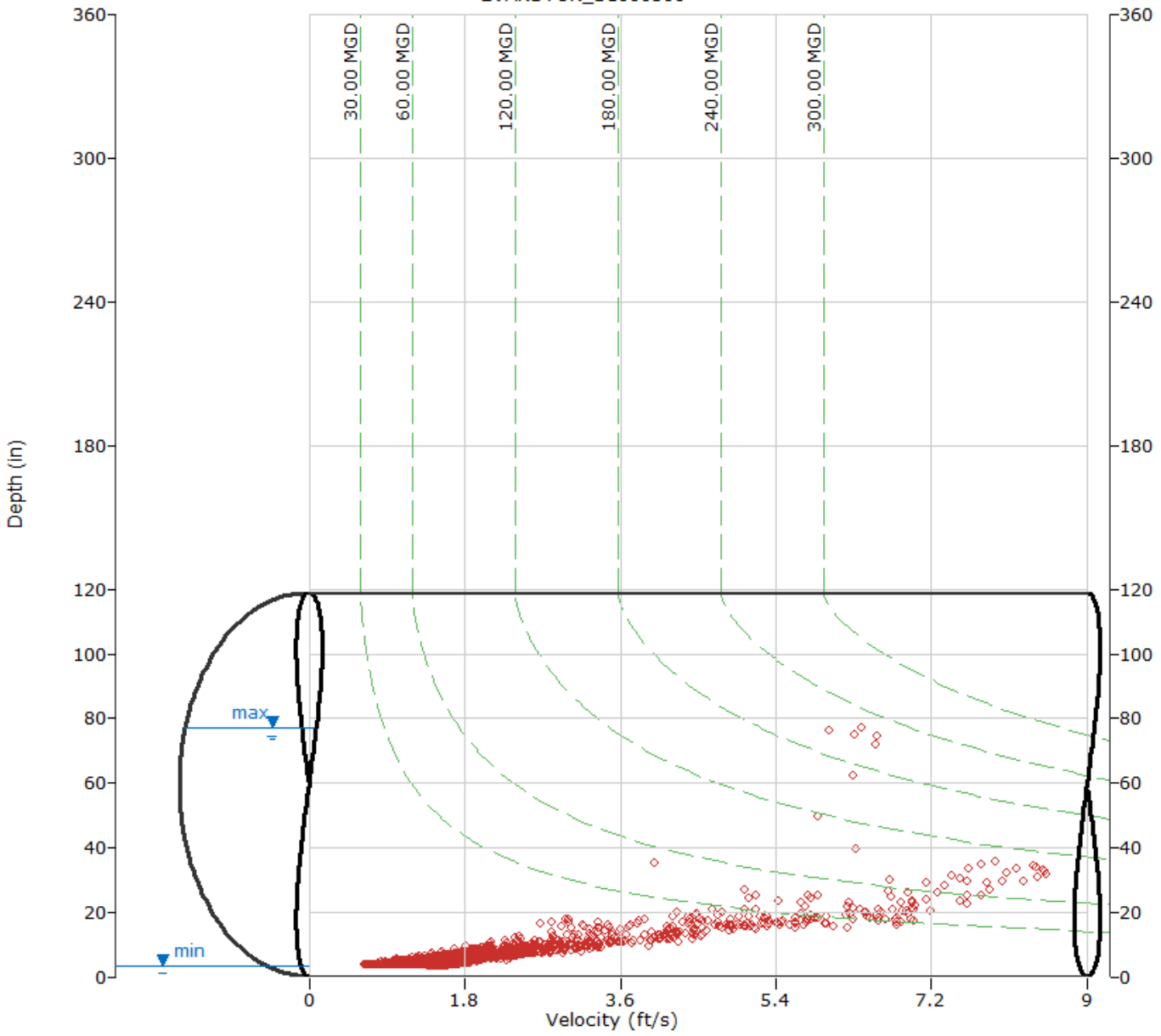


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



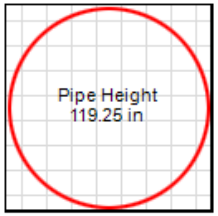
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

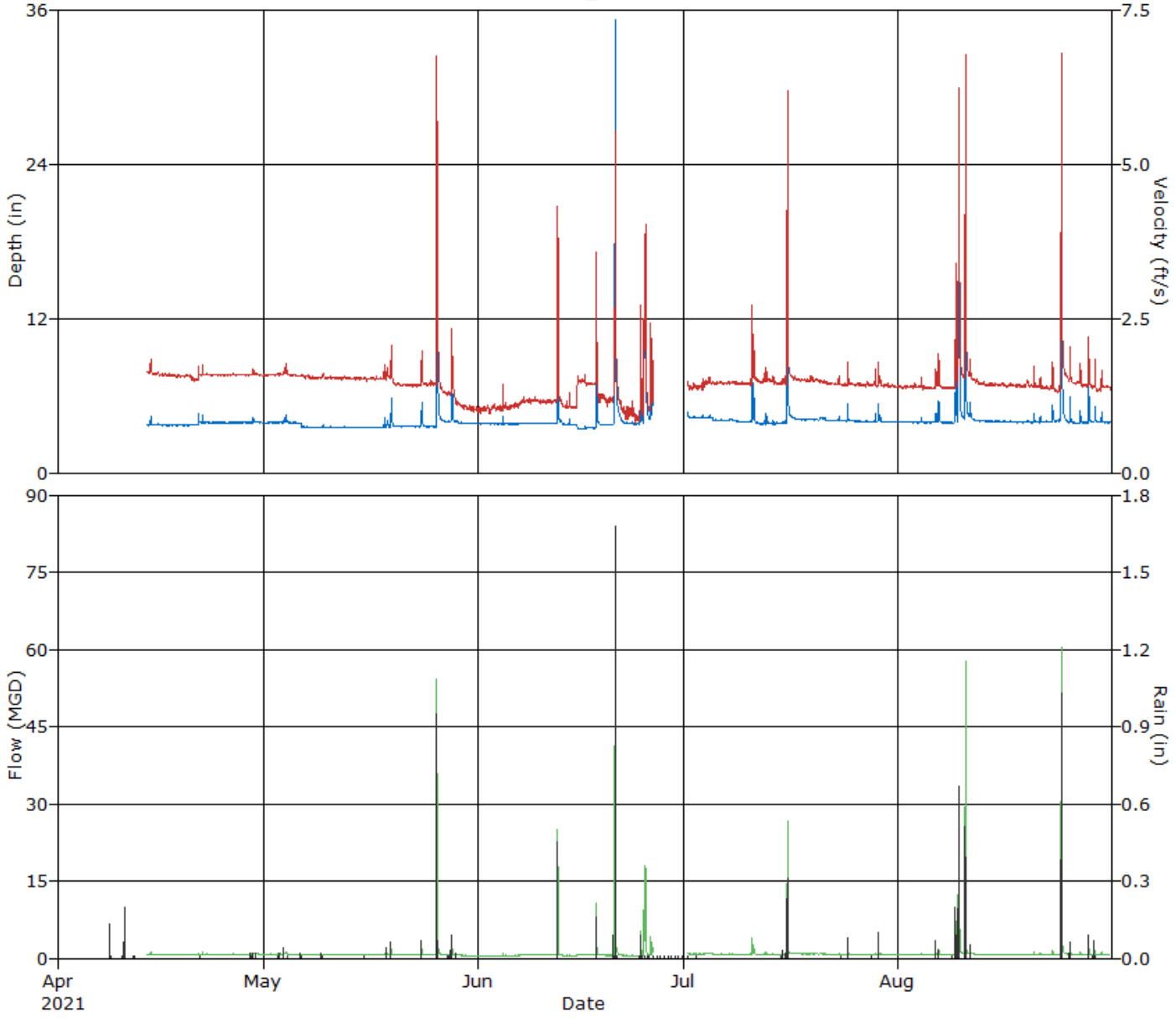


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



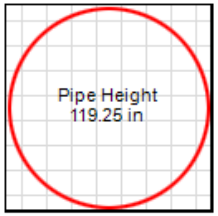
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

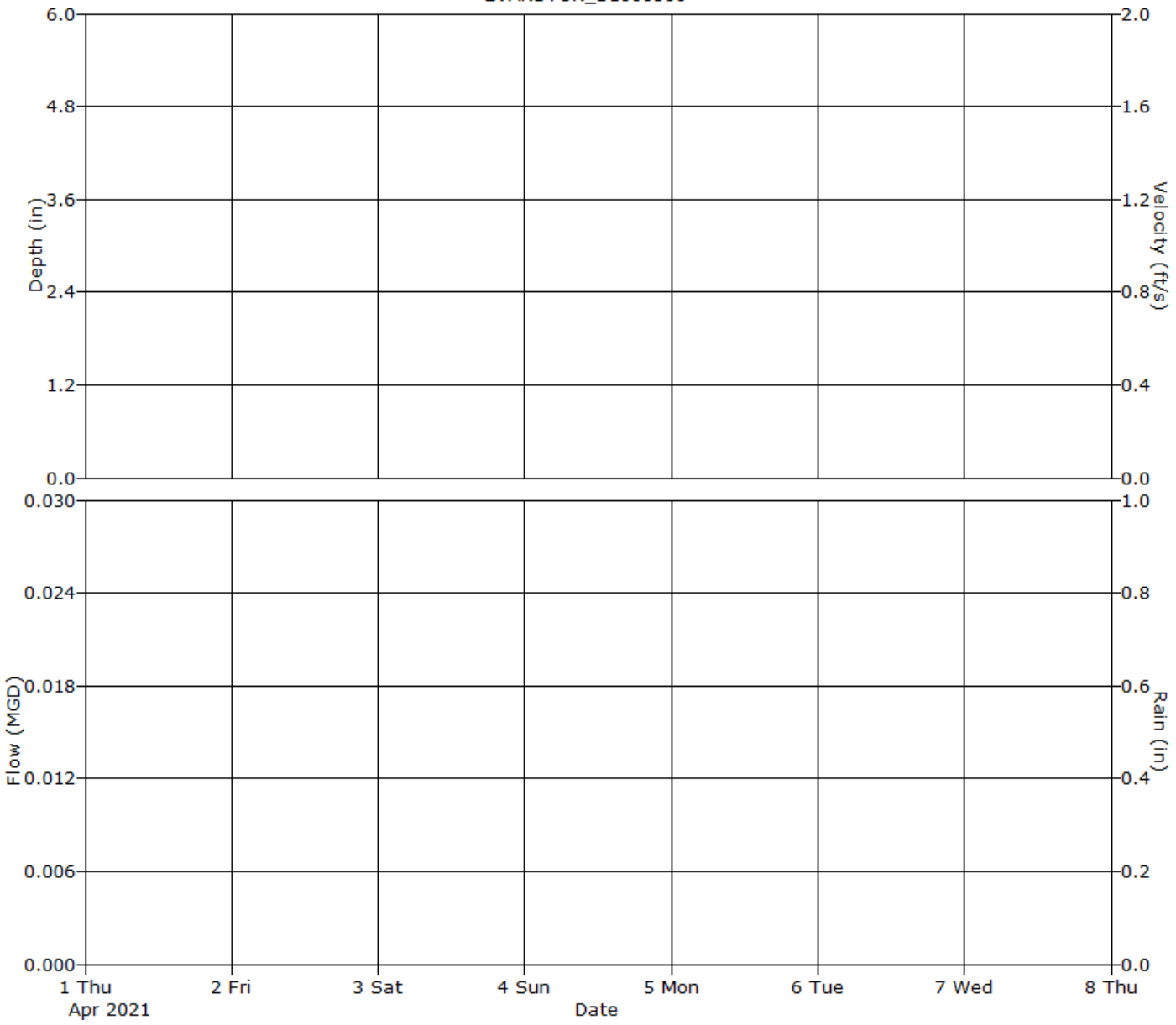


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

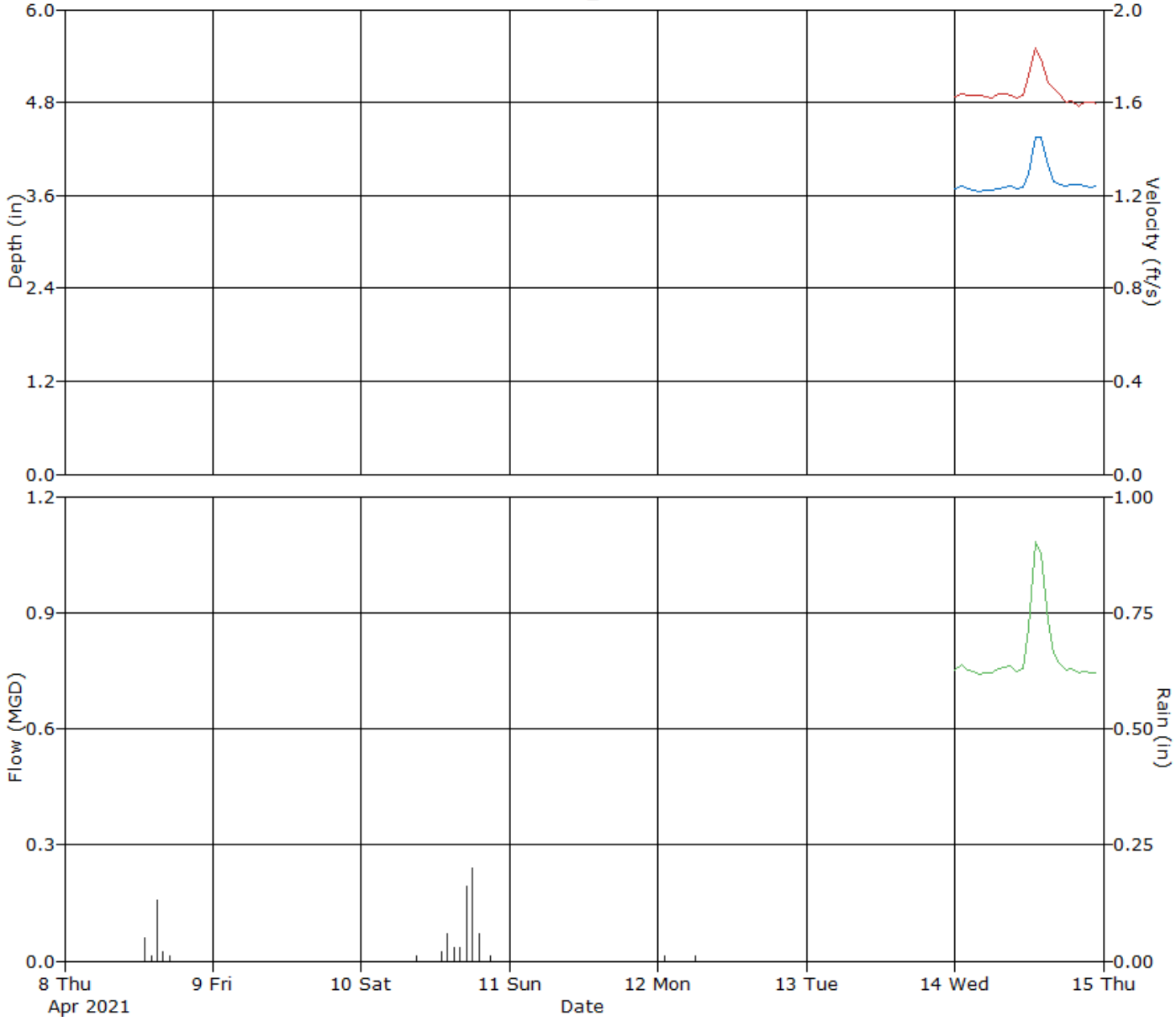
Pipe Height
119.25 in

Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



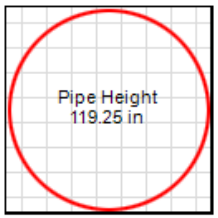
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

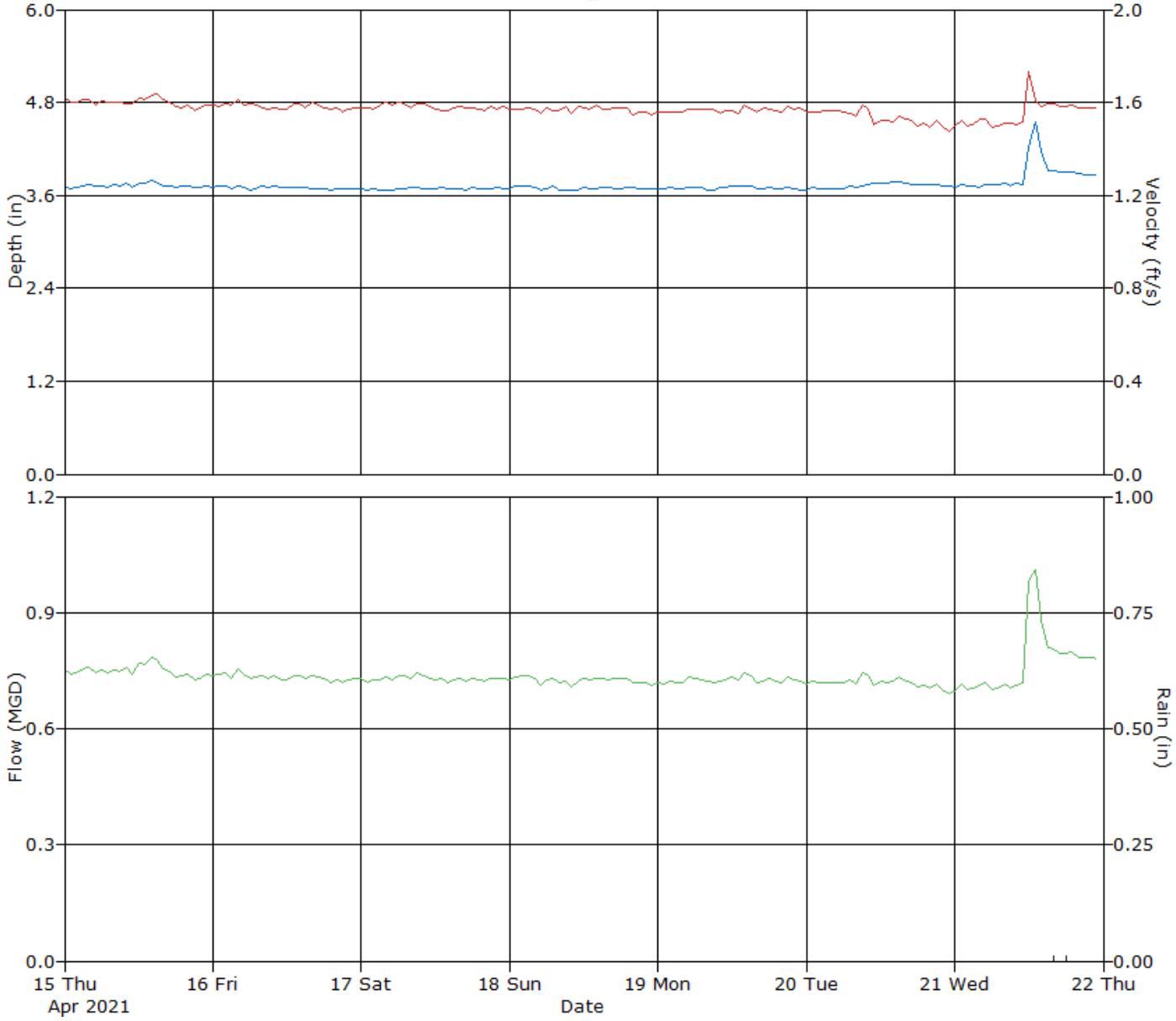


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



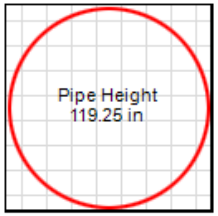
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

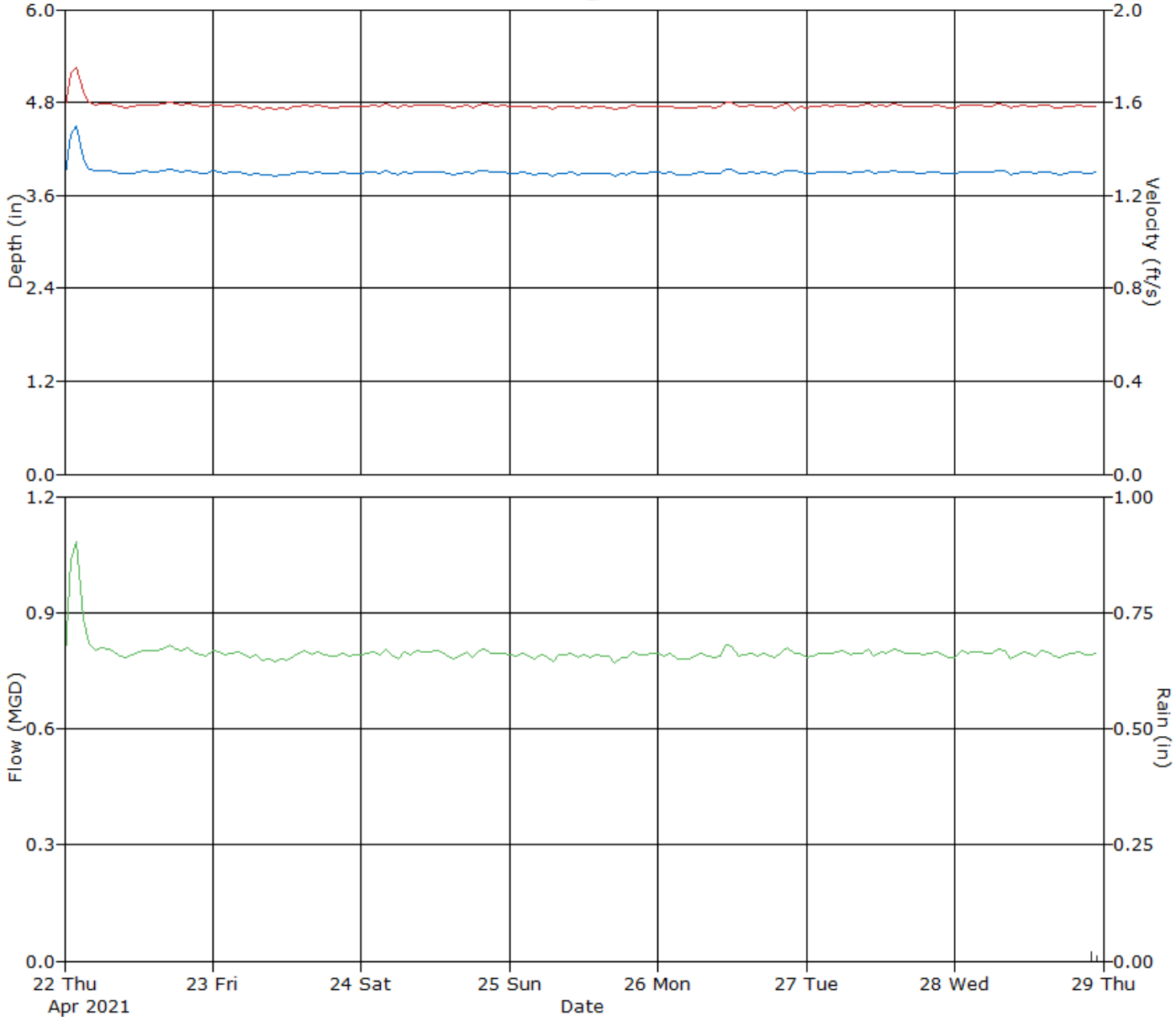


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

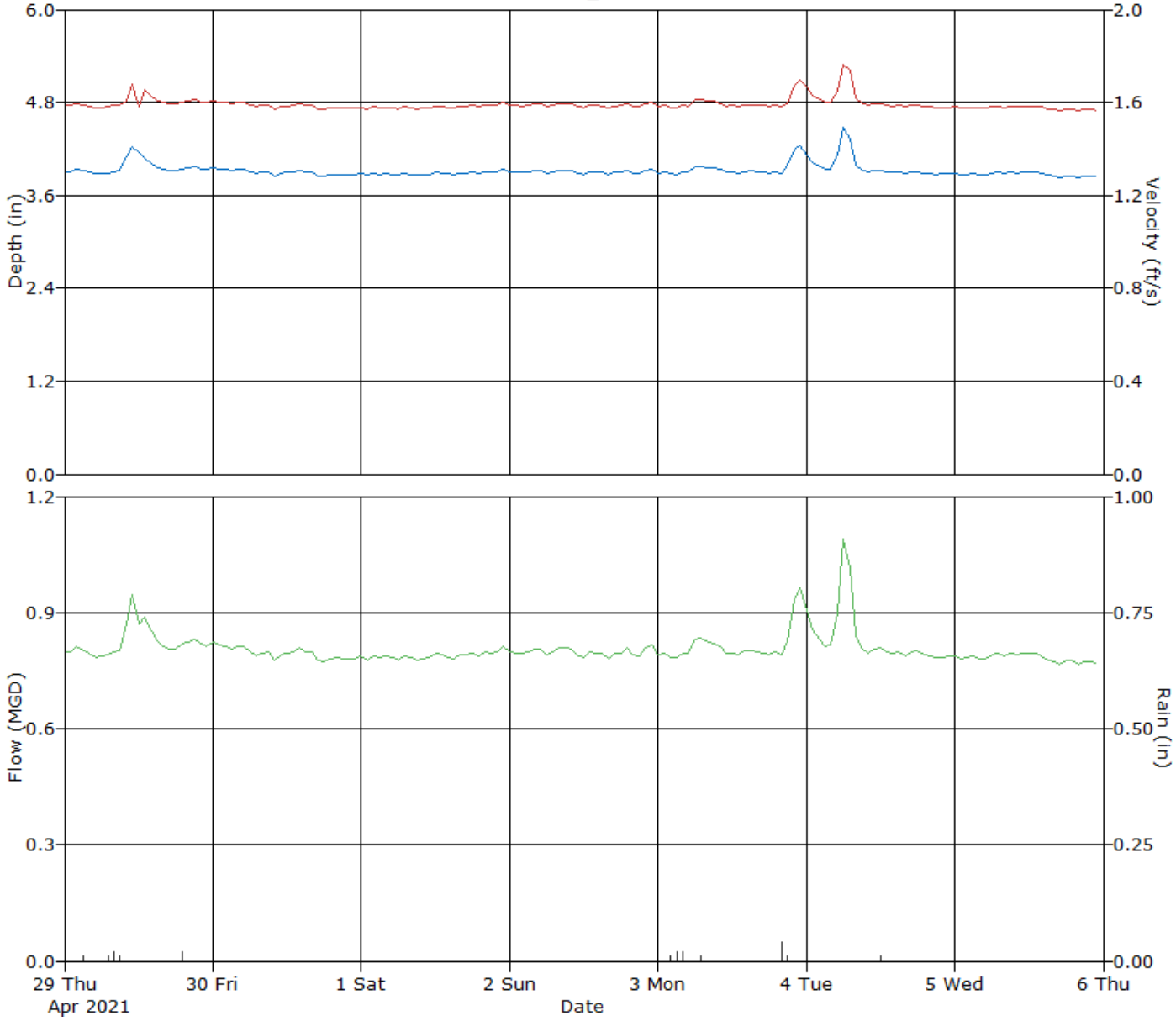
Pipe Height
119.25 in

Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



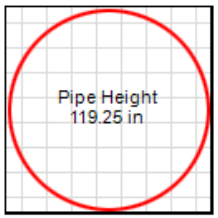
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

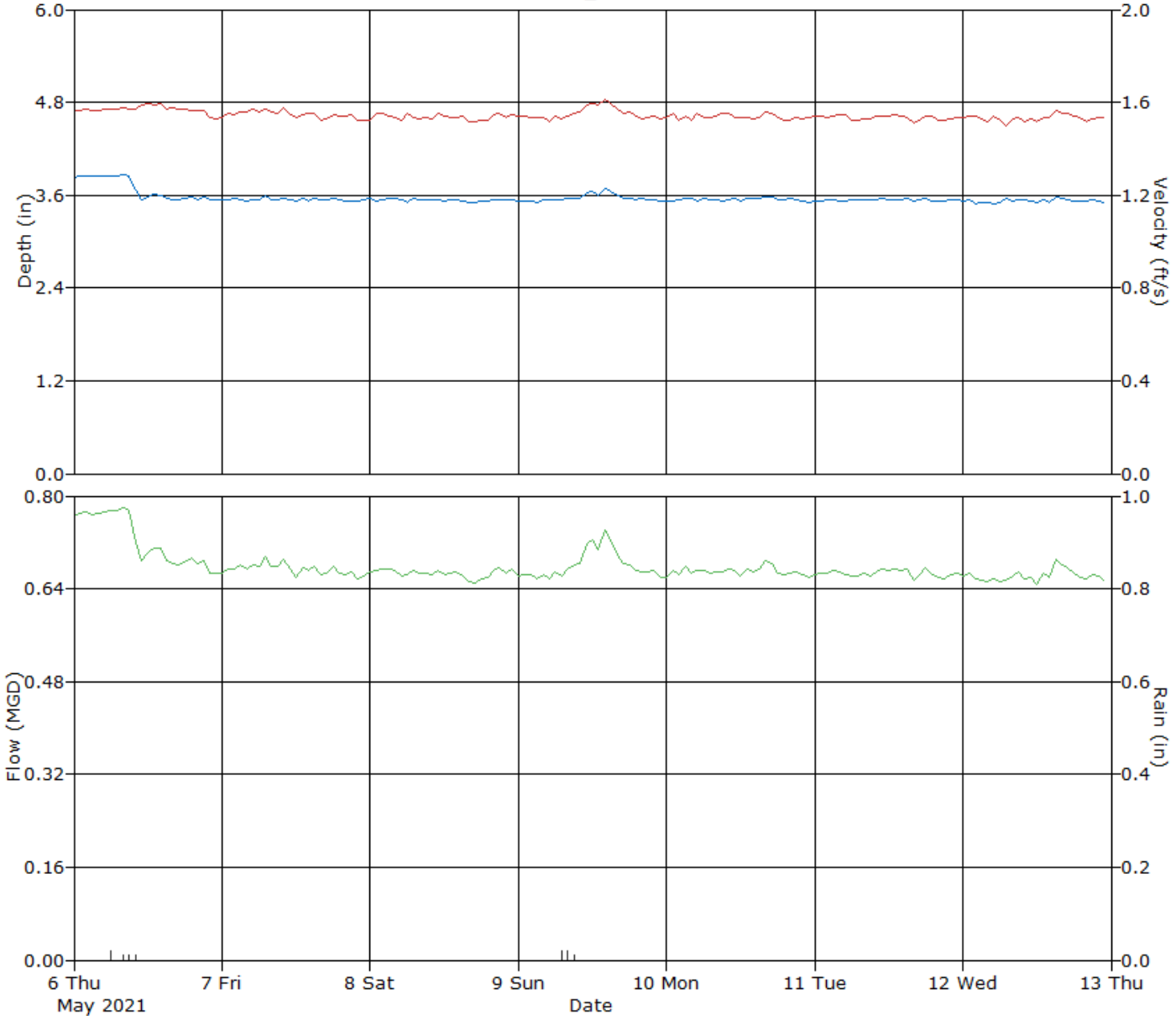


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

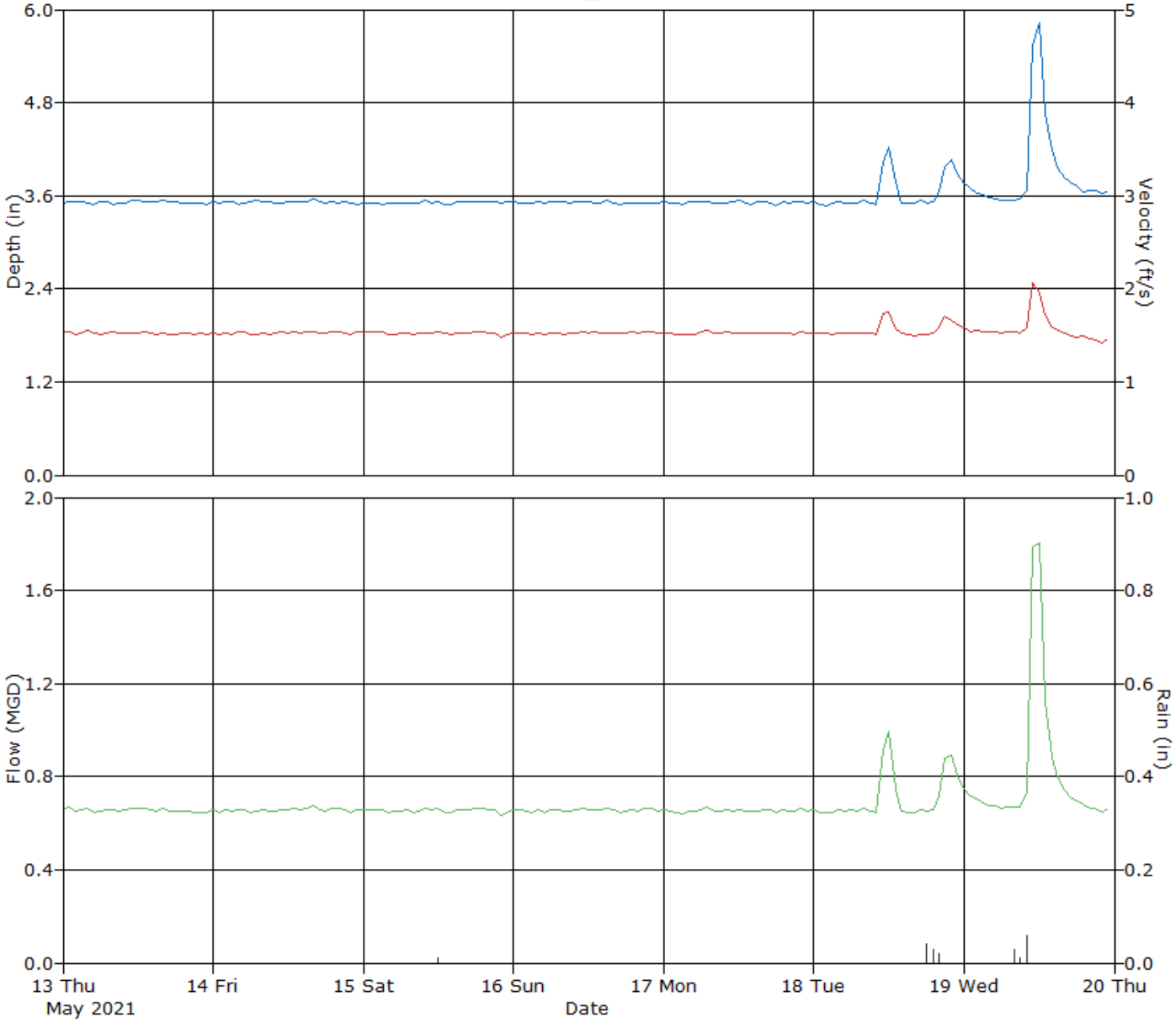
Pipe Height
119.25 in

Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



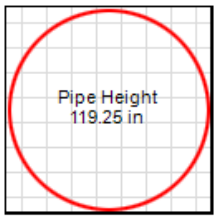
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

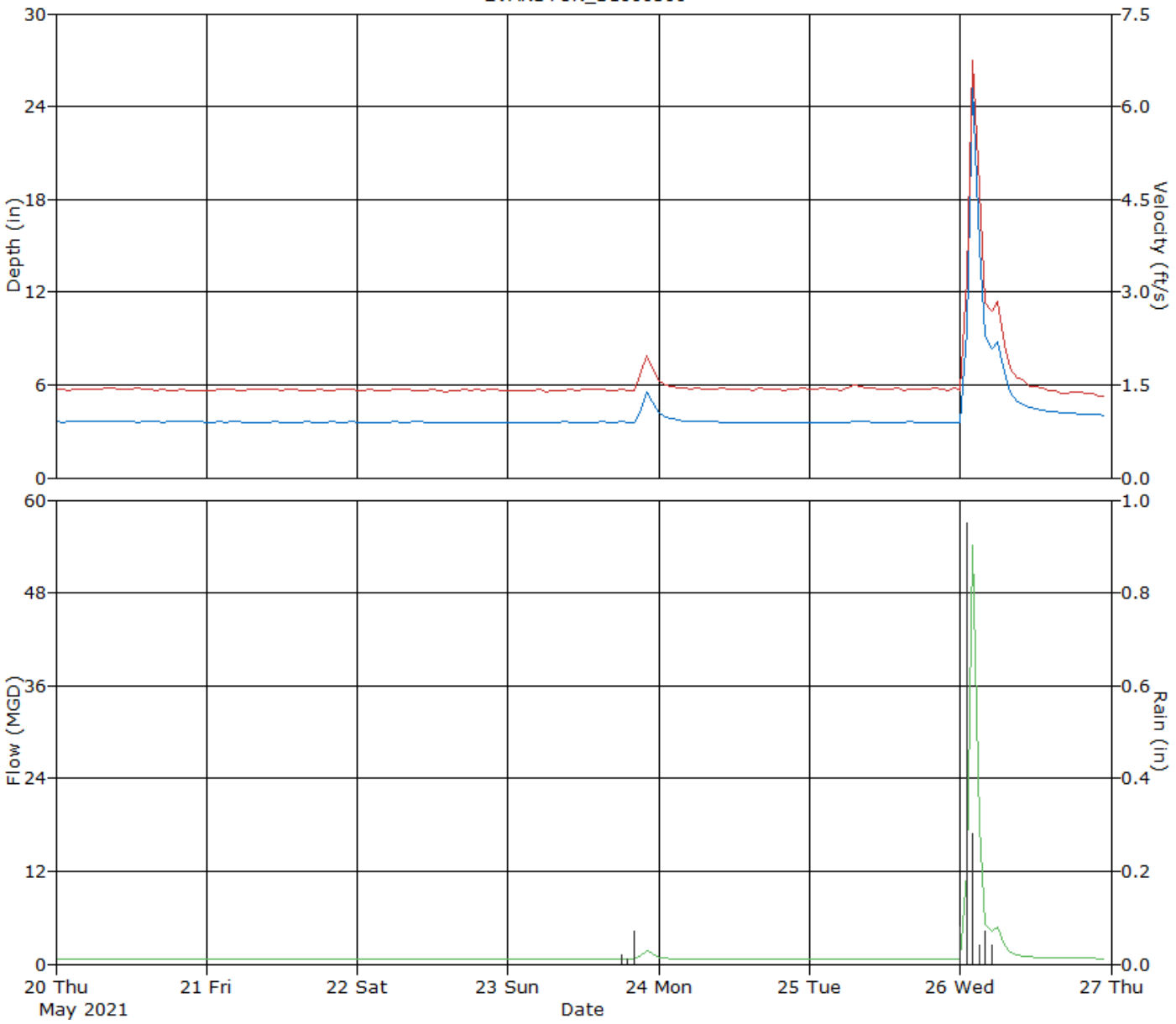


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



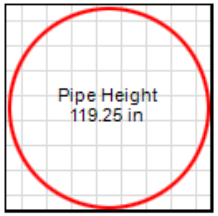
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

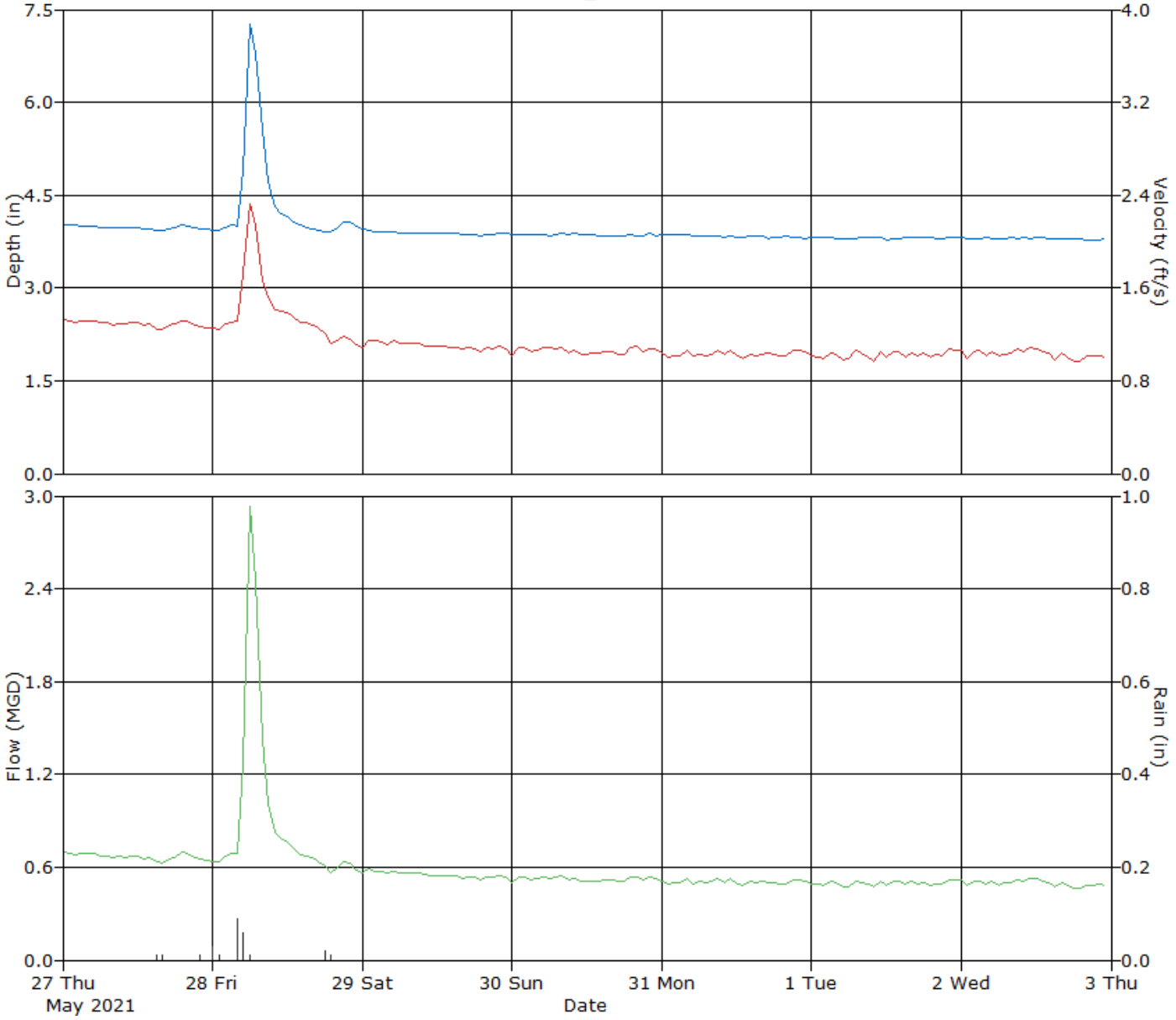


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



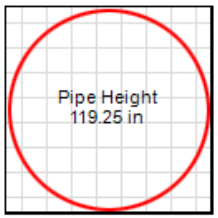
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

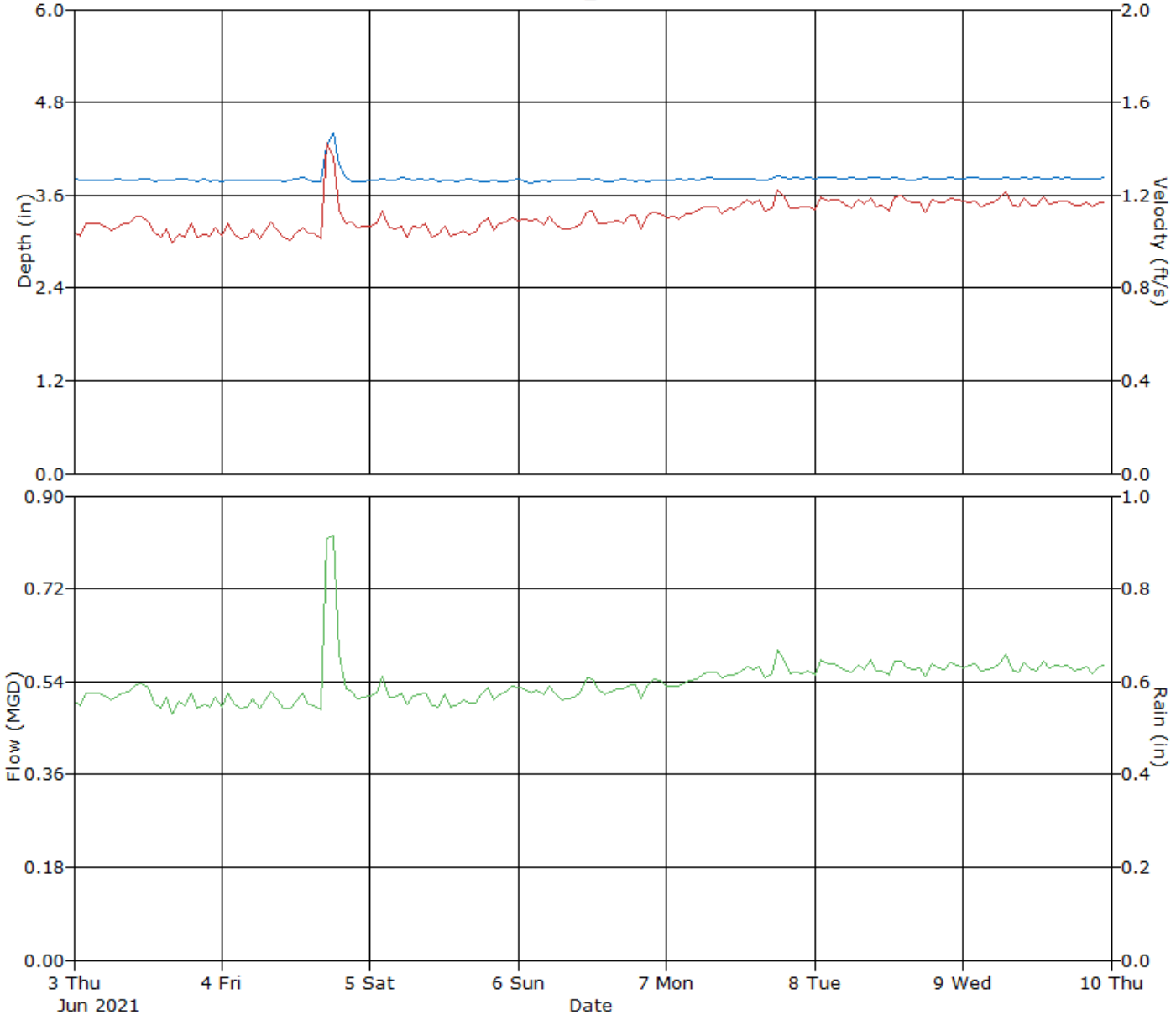


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



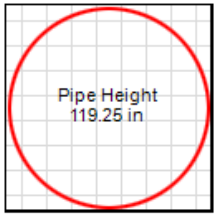
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

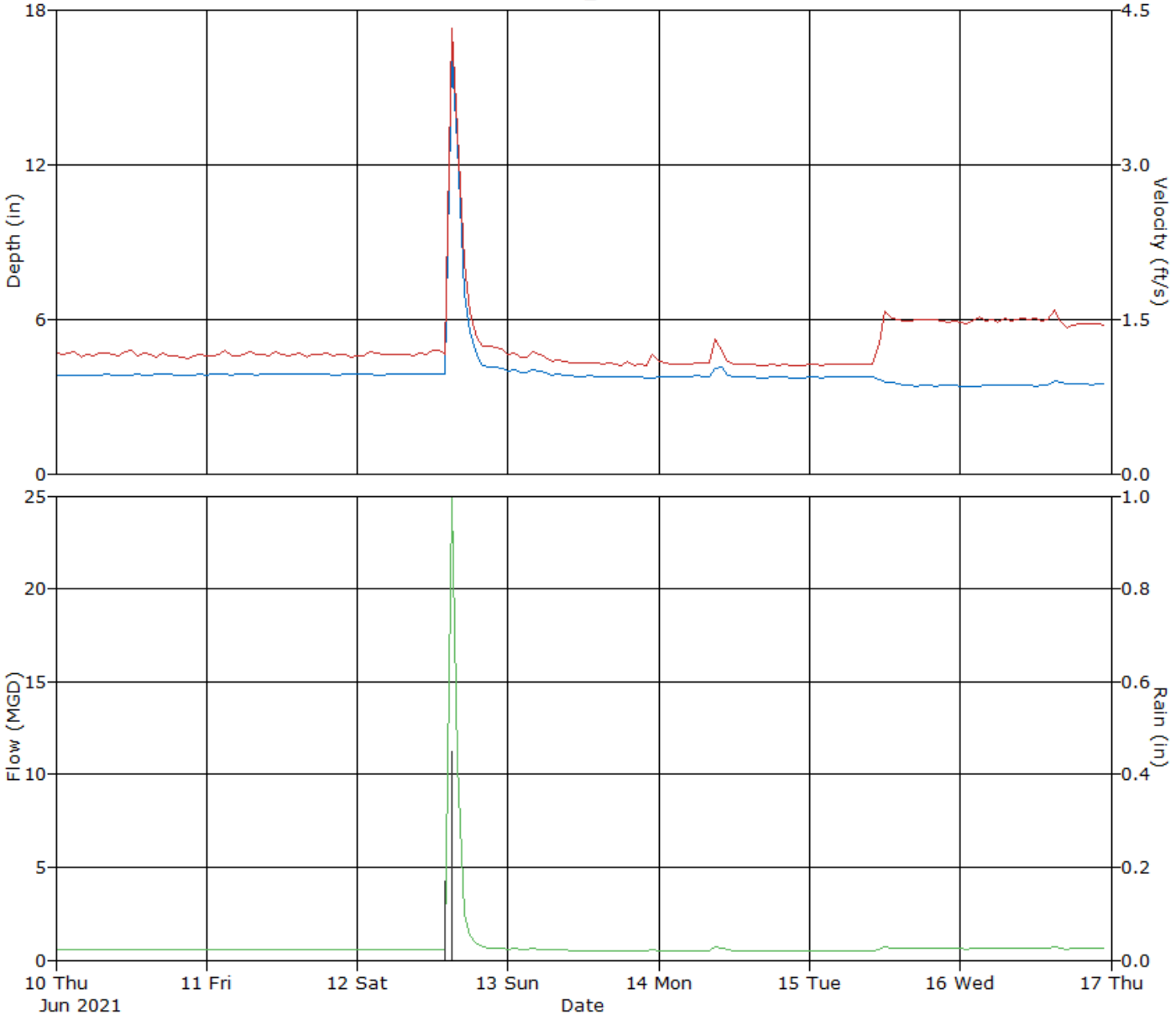


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



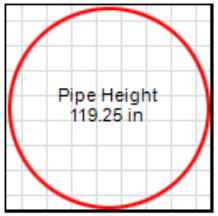
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

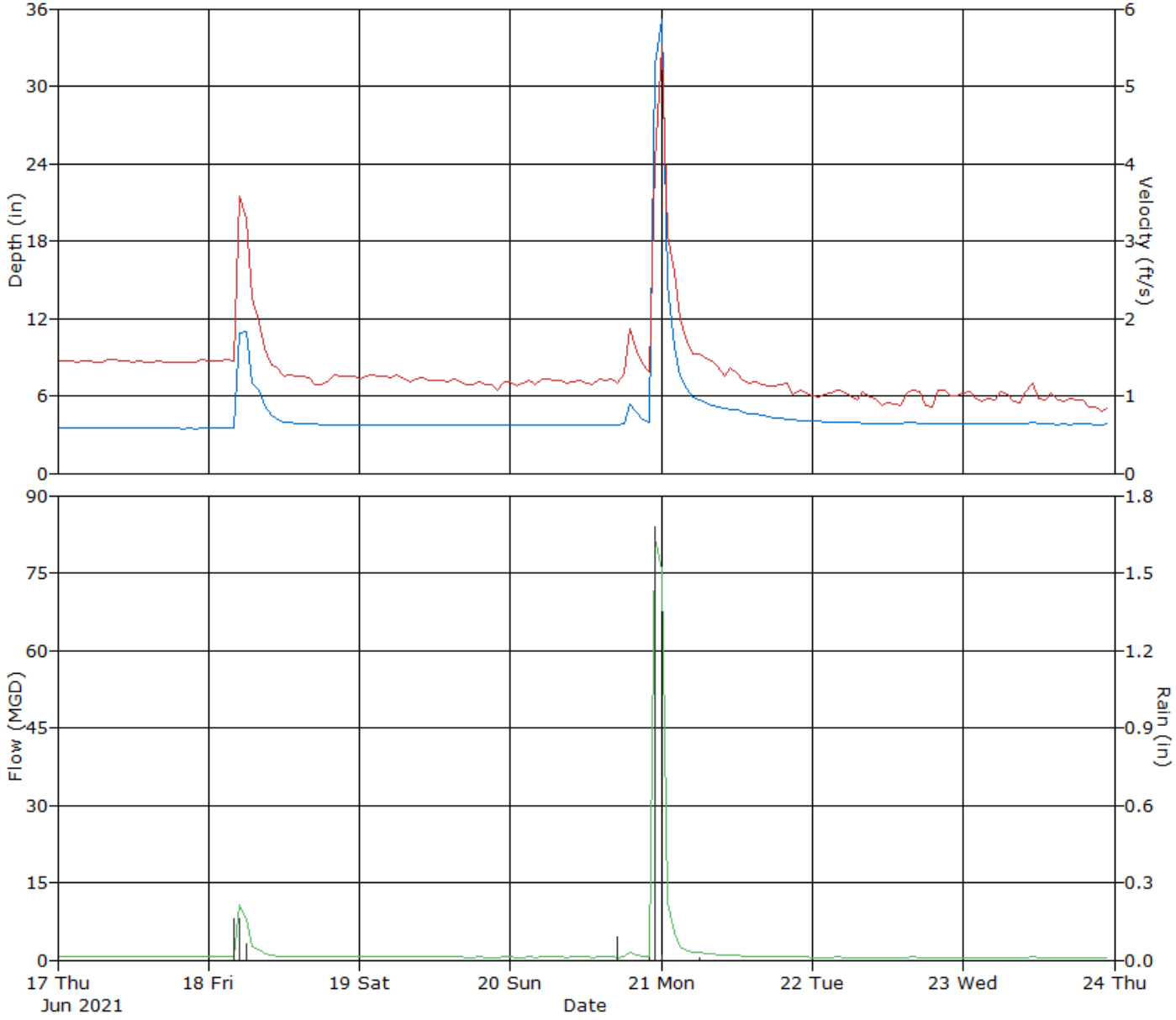


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

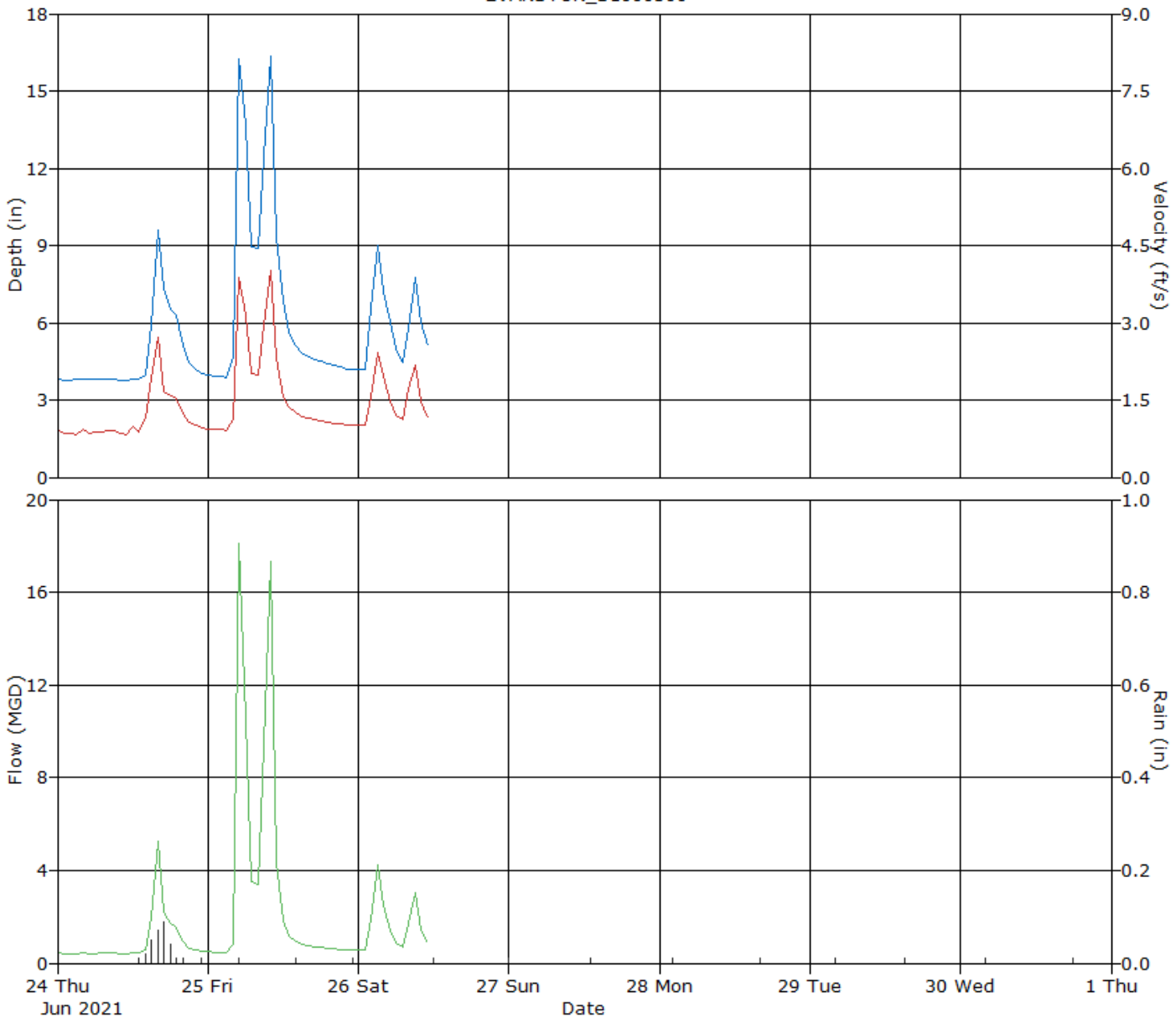
Pipe Height
119.25 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



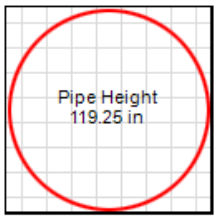
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

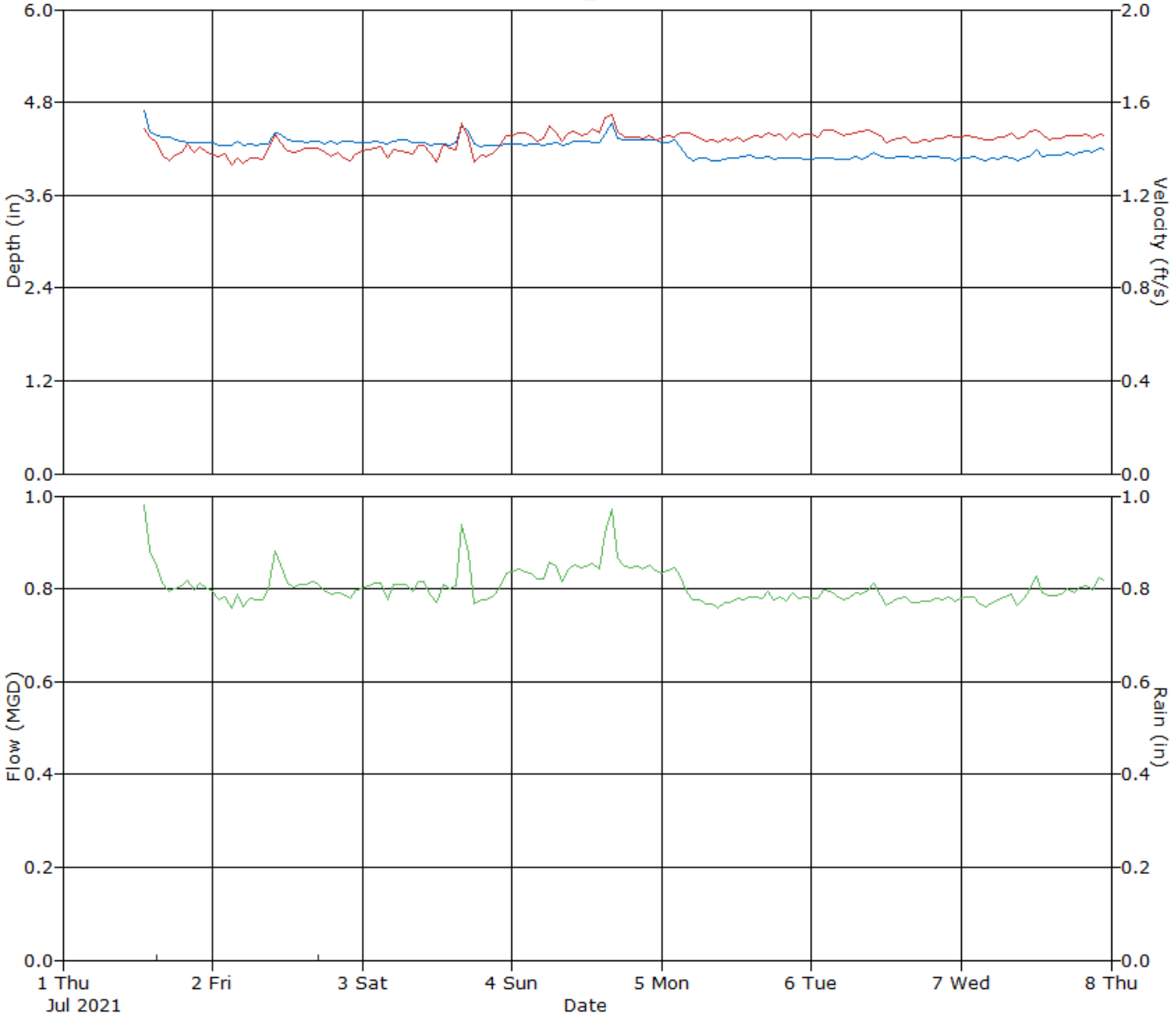


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



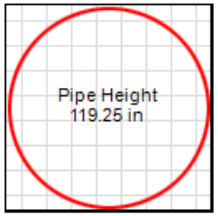
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

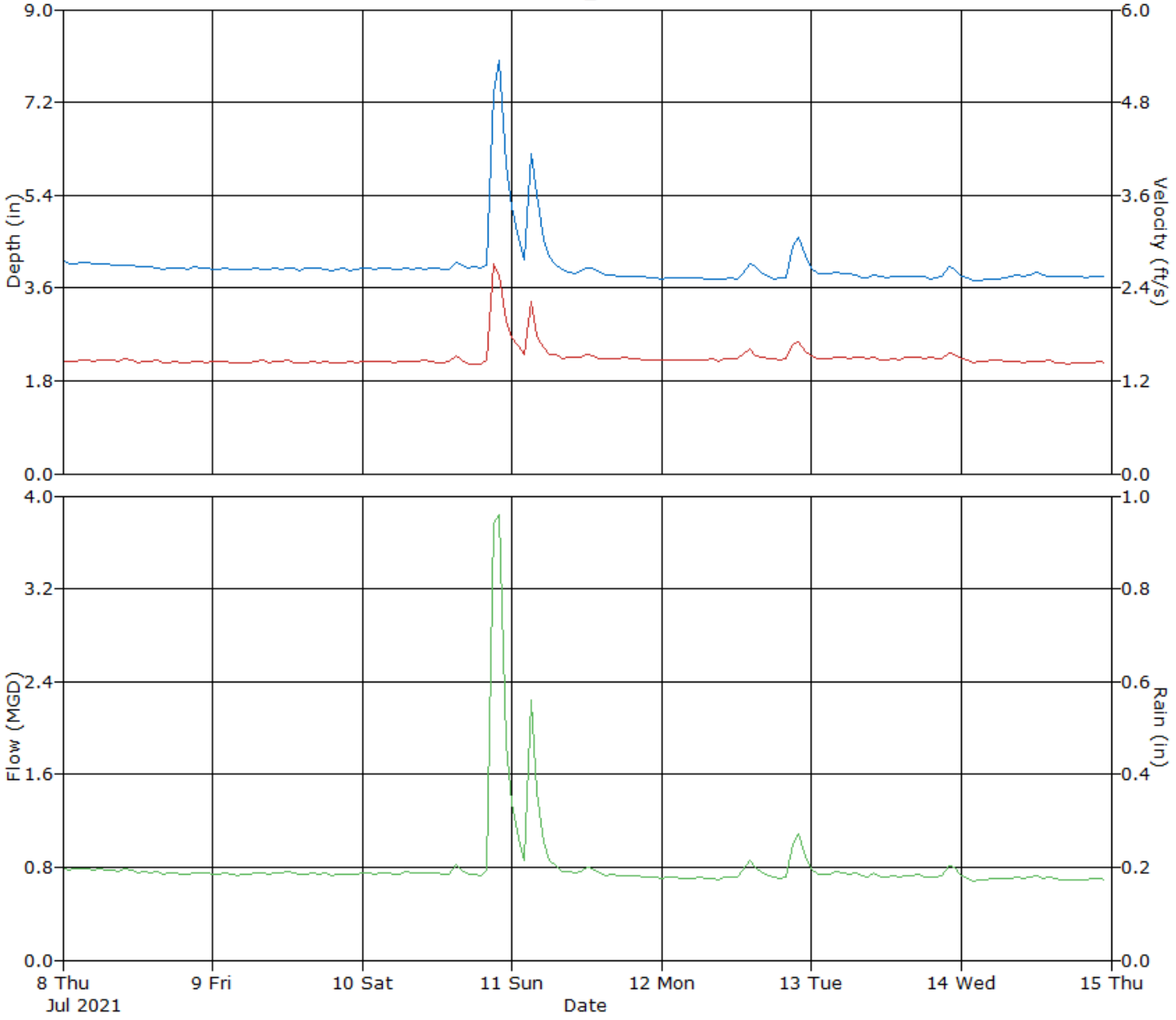


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



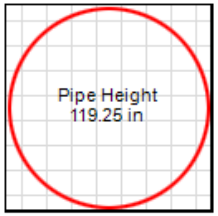
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

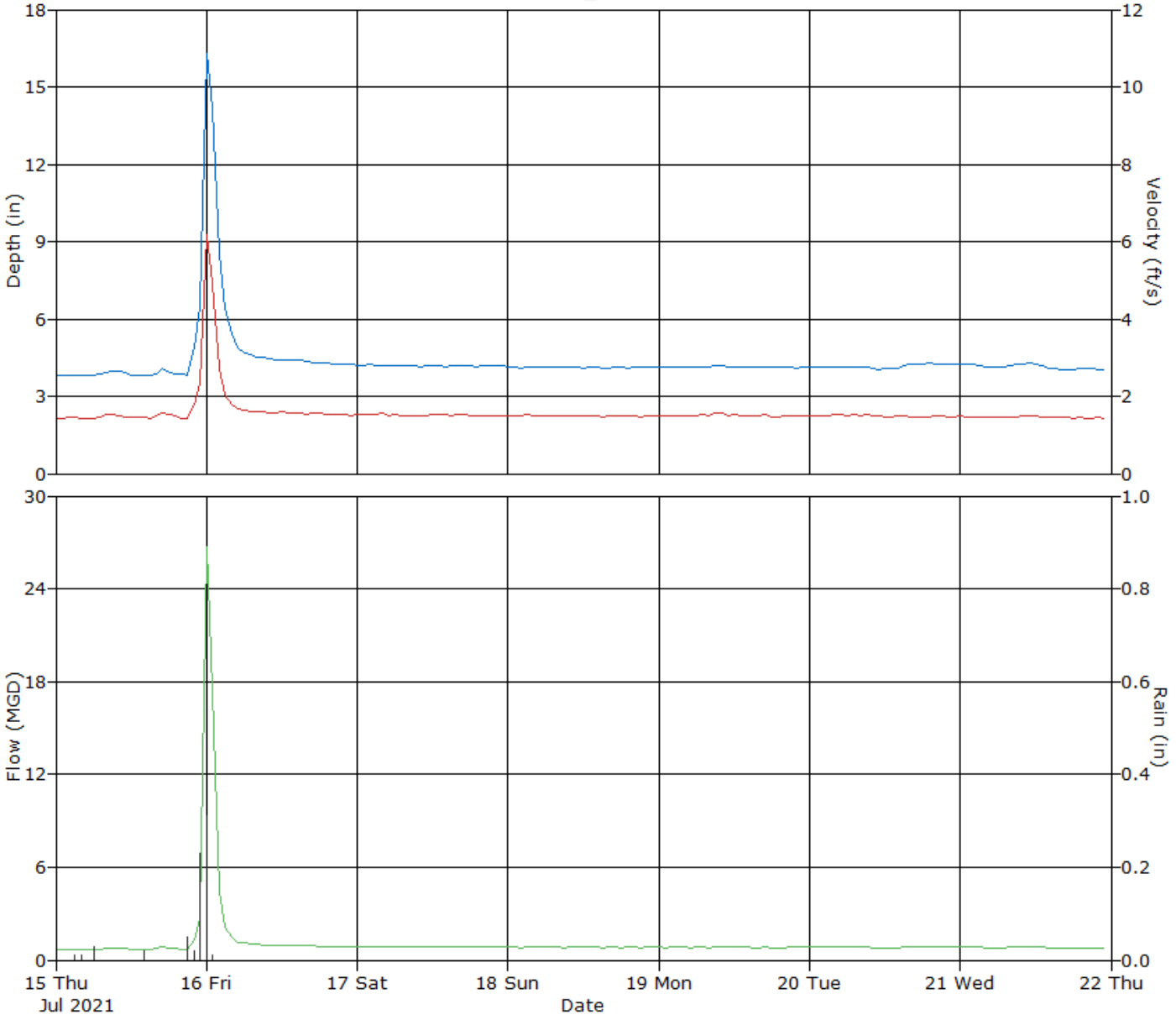


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



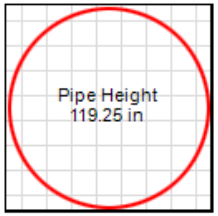
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

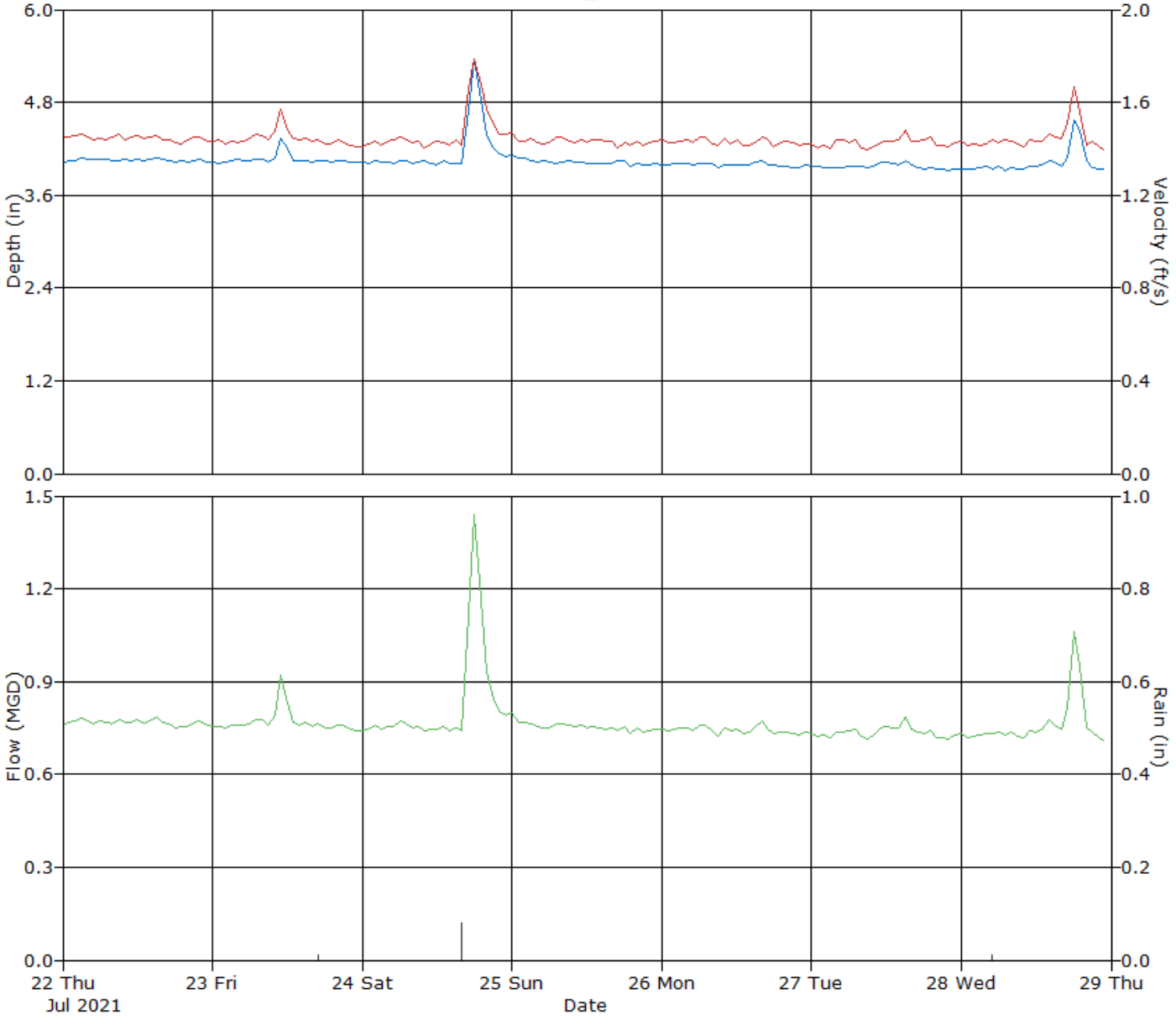


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



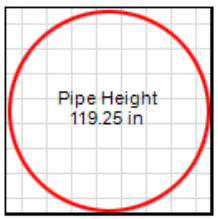
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

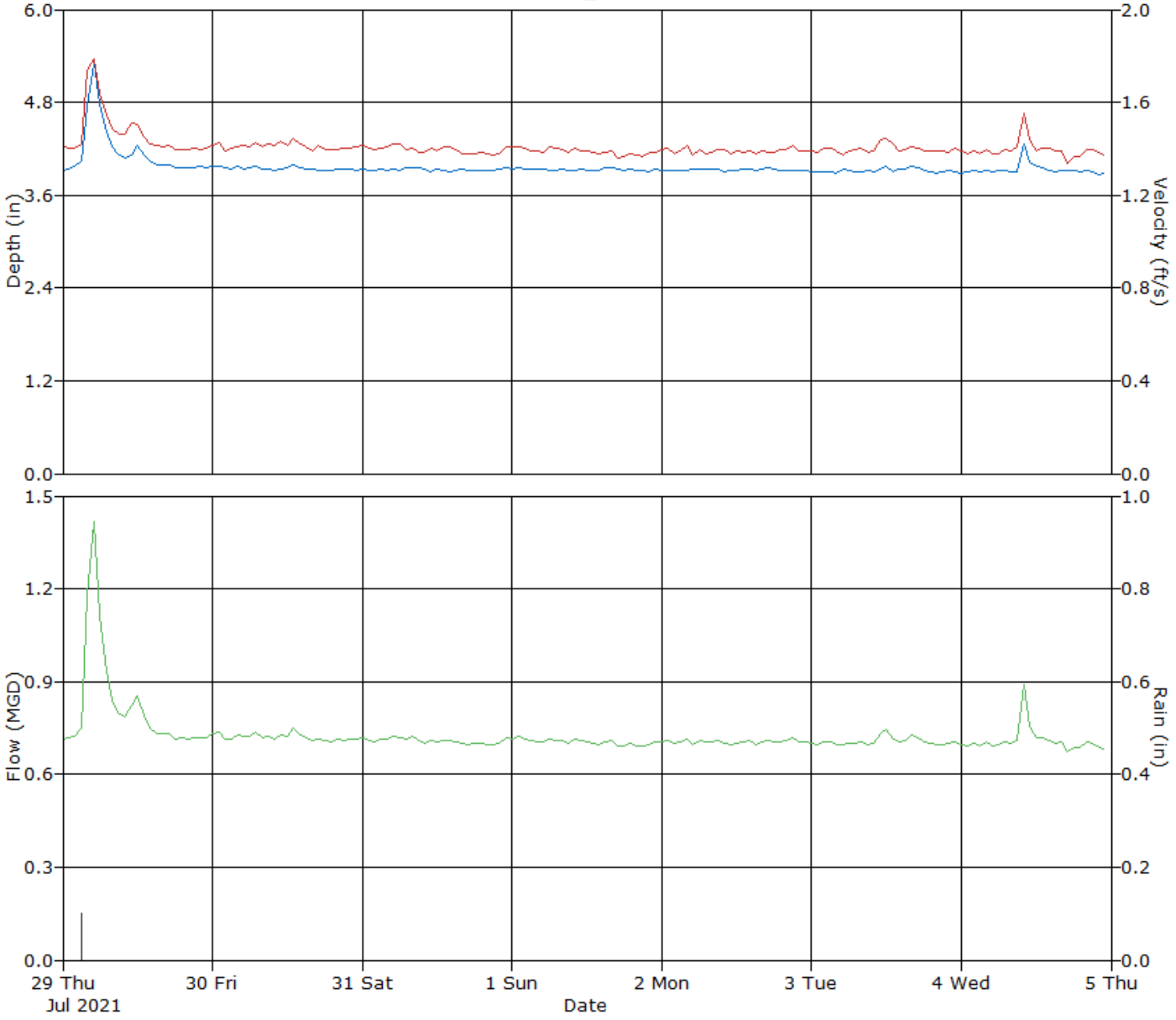


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



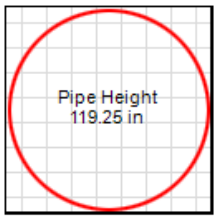
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

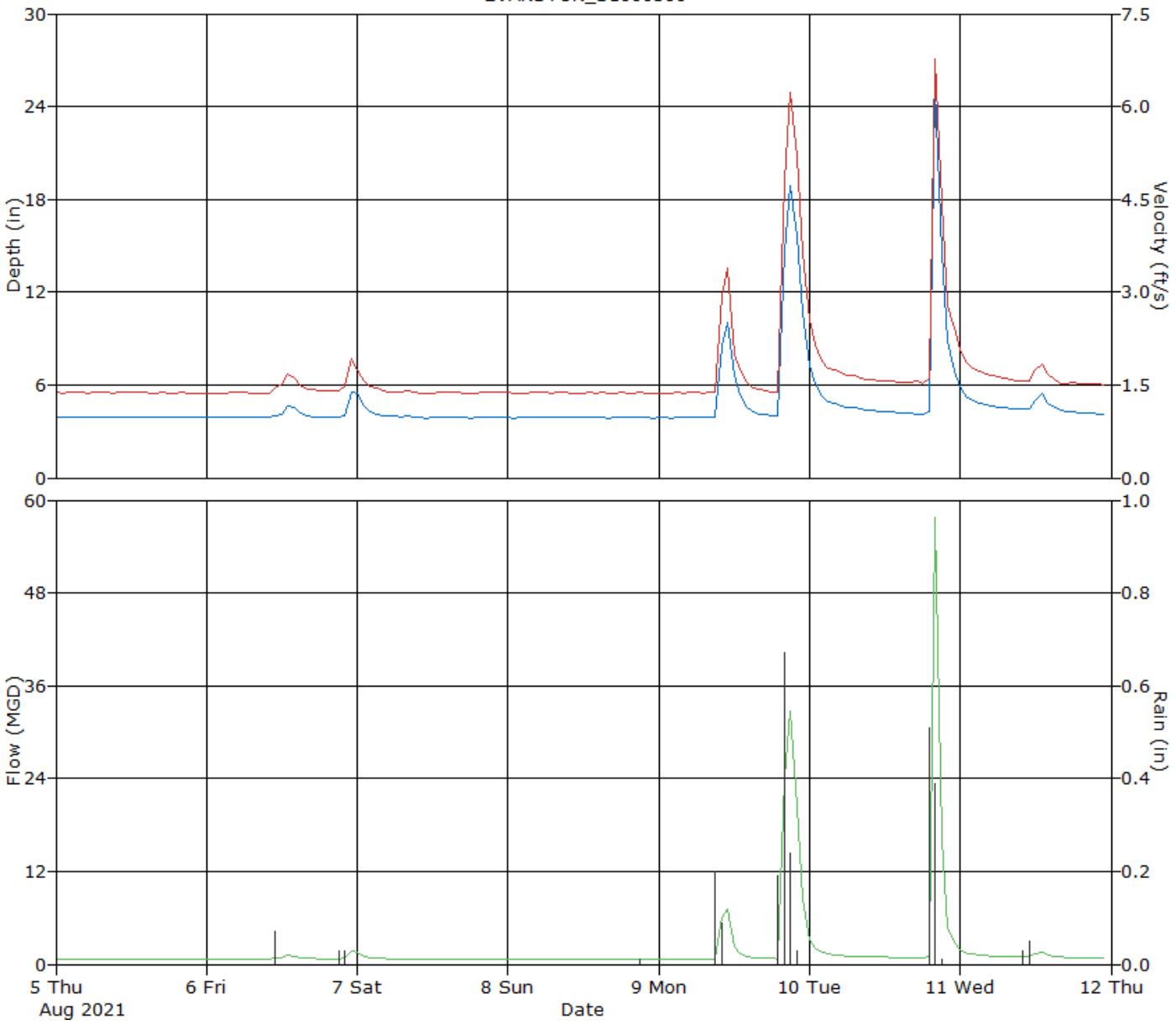


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



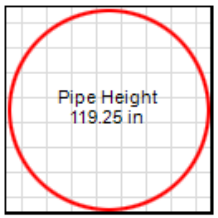
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

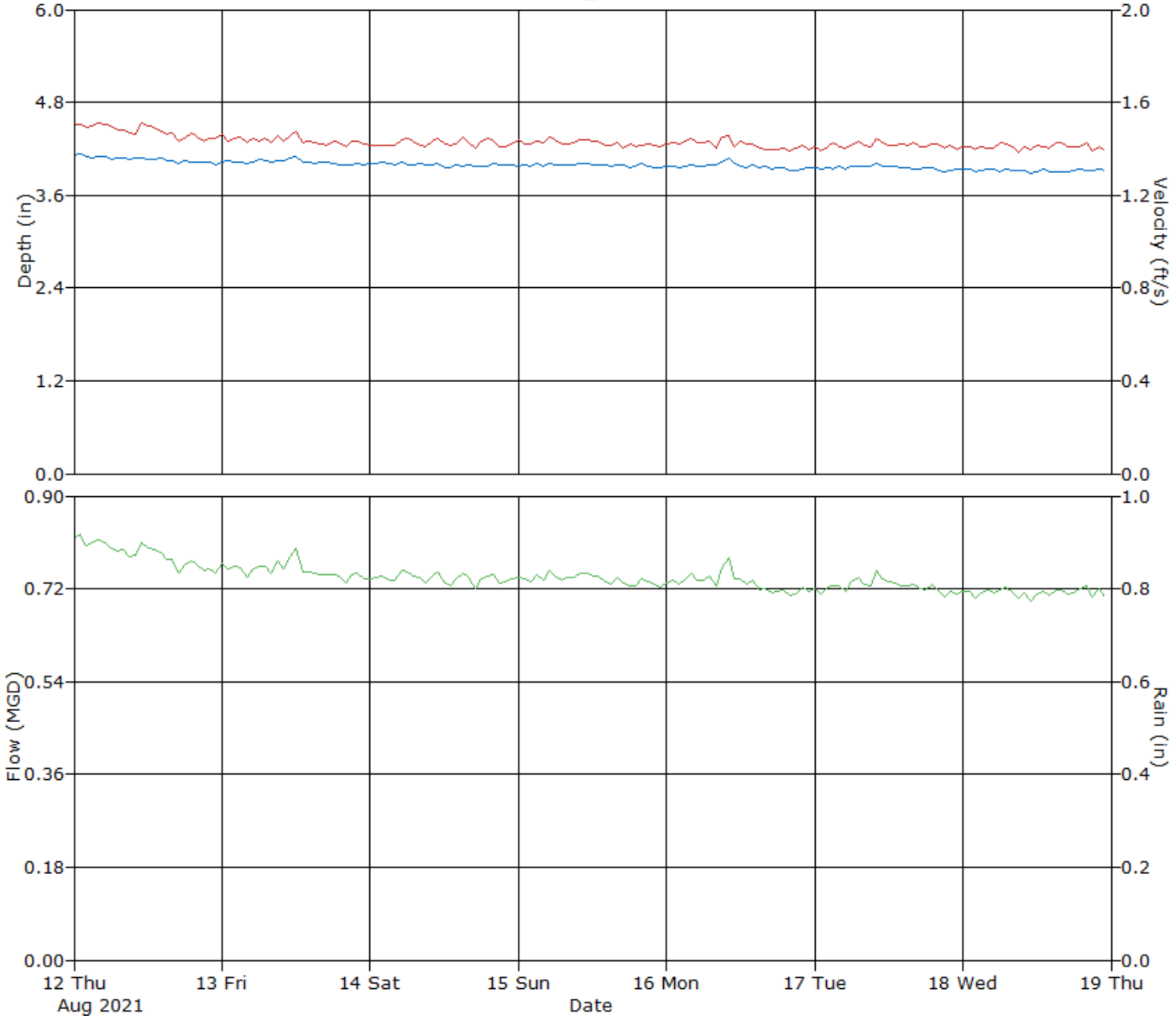


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



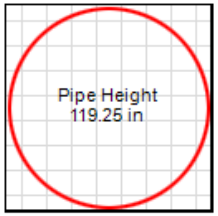
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

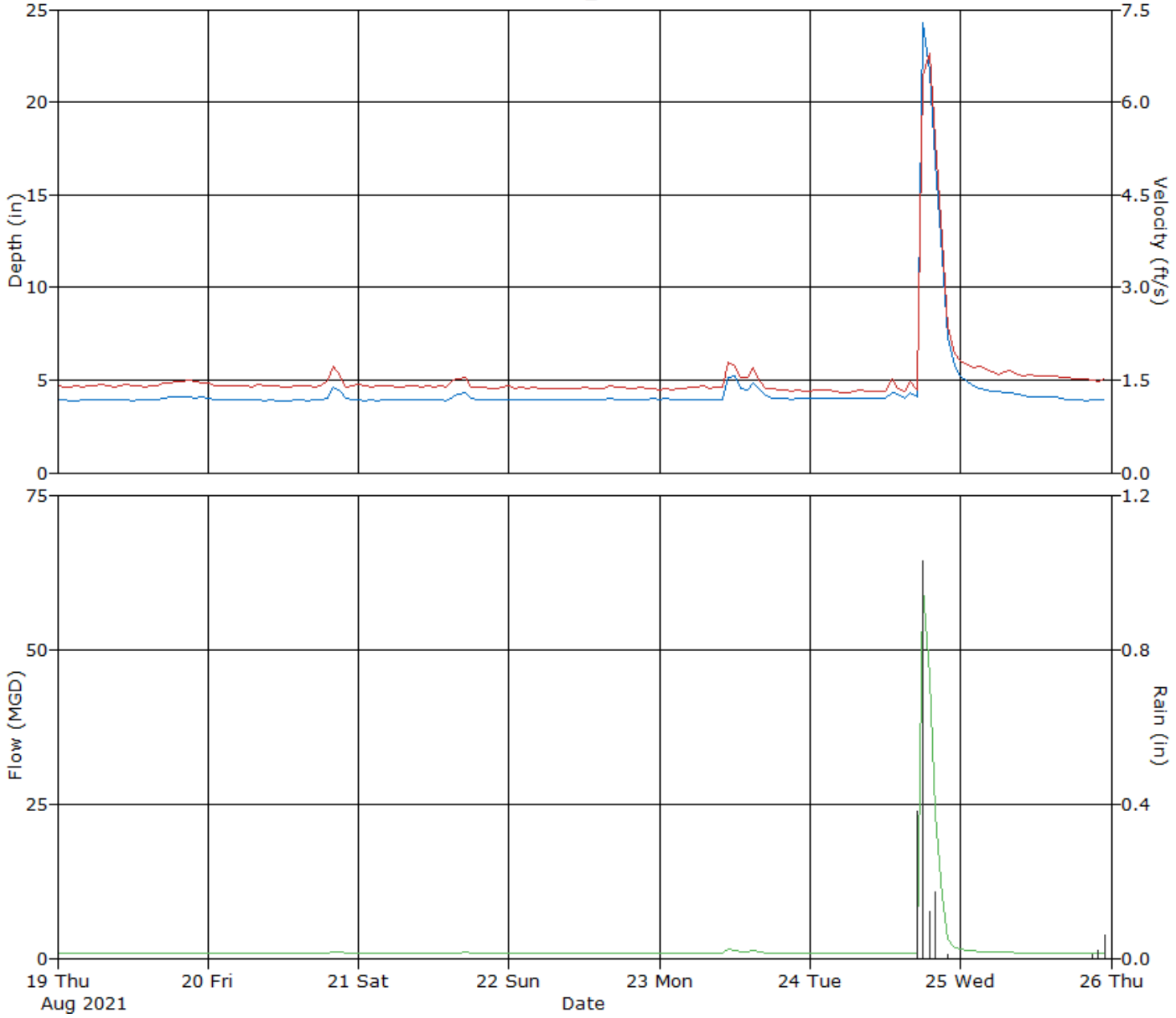


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



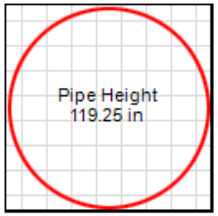
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1000500

Flow Monitor

EVANSTON_S1000500

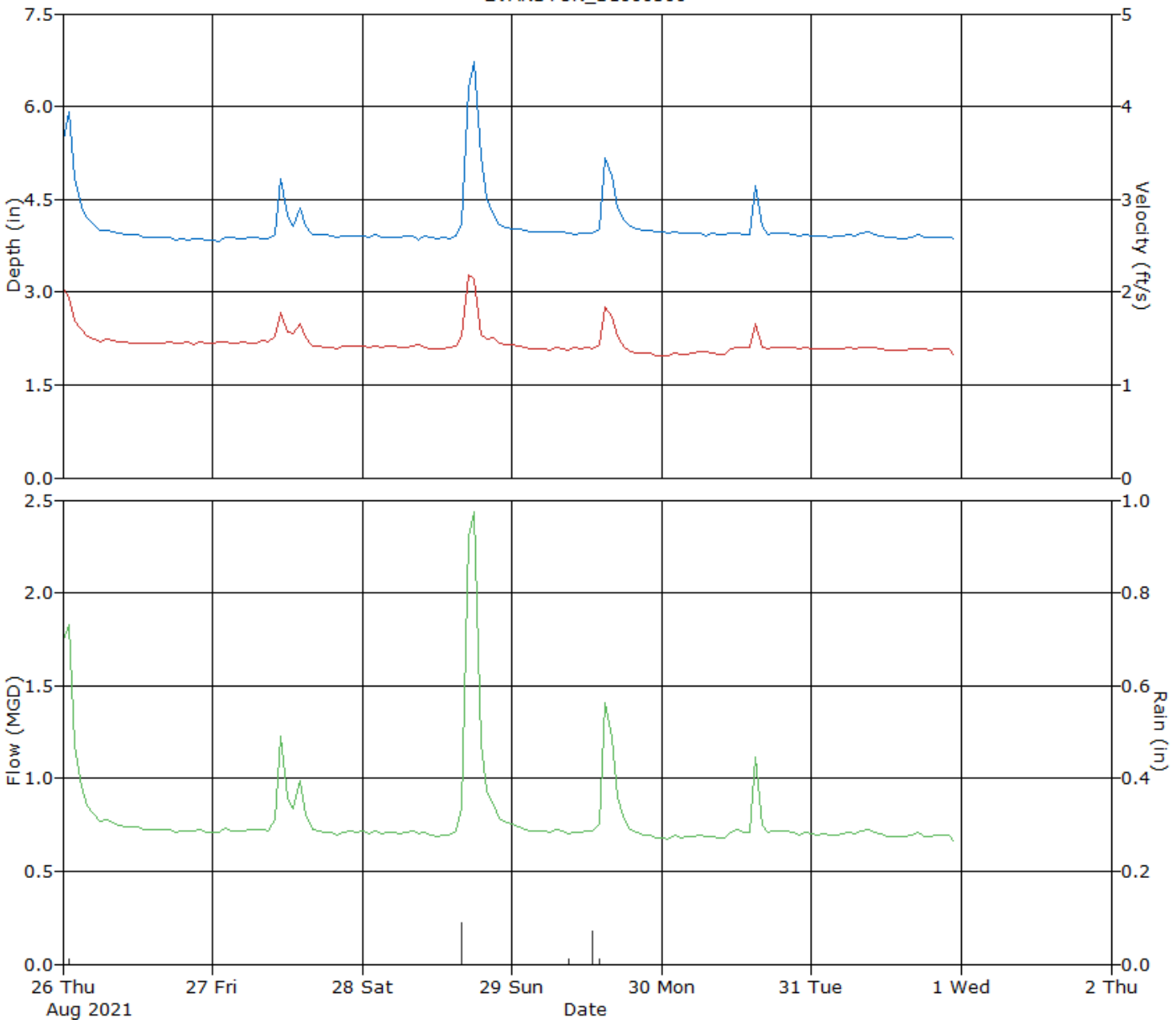


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S1000500, Pipe Height: 119.25 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.22
04/09/2021																	
04/10/2021																	0.58
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021	06:45	3.62	14:00	4.39	3.78	20:25	1.54	13:05	1.87	1.64	20:25	0.724	13:05	1.097	0.790	105542	
04/15/2021	18:15	3.66	14:45	3.82	3.72	20:15	1.50	03:30	1.66	1.60	20:15	0.697	14:10	0.799	0.750	100272	
04/16/2021	19:45	3.64	05:05	3.75	3.70	15:45	1.52	04:45	1.64	1.58	21:30	0.702	04:45	0.771	0.733	97971	
04/17/2021	01:45	3.61	13:05	3.76	3.69	00:00	1.52	06:20	1.64	1.58	20:25	0.700	23:35	0.760	0.729	97452	
04/18/2021	06:00	3.64	01:55	3.75	3.69	23:10	1.50	01:55	1.61	1.57	05:20	0.689	01:55	0.761	0.725	96972	
04/19/2021	00:15	3.64	15:15	3.76	3.69	20:55	1.52	19:05	1.63	1.57	23:40	0.695	12:50	0.762	0.725	96928	
04/20/2021	04:10	3.66	16:00	3.80	3.72	23:00	1.46	09:30	1.64	1.53	23:10	0.682	09:40	0.775	0.718	96032	
04/21/2021	00:15	3.68	13:40	4.57	3.86	00:00	1.45	12:35	1.81	1.55	00:00	0.671	12:35	1.071	0.771	103092	0.02
04/22/2021	00:10	3.85	02:10	4.58	3.96	00:10	1.57	02:10	1.83	1.60	00:10	0.771	02:10	1.166	0.825	110242	
04/23/2021	11:55	3.83	00:40	3.94	3.88	11:55	1.56	00:40	1.60	1.58	11:55	0.763	00:40	0.814	0.789	105504	
04/24/2021	06:35	3.84	20:15	3.95	3.89	06:35	1.57	20:15	1.60	1.59	06:35	0.769	20:15	0.820	0.794	106168	
04/25/2021	17:40	3.83	23:00	3.92	3.88	17:40	1.56	23:00	1.60	1.58	17:40	0.761	23:00	0.808	0.788	105292	
04/26/2021	19:50	3.84	11:15	3.98	3.89	22:20	1.52	11:15	1.61	1.58	19:50	0.770	11:15	0.835	0.792	105860	
04/27/2021	22:30	3.85	10:15	3.94	3.90	23:55	1.56	10:15	1.60	1.59	23:55	0.774	10:15	0.815	0.794	106198	
04/28/2021	17:00	3.83	21:00	3.93	3.89	17:00	1.56	21:00	1.60	1.58	17:00	0.765	21:00	0.812	0.794	106097	0.03
04/29/2021	06:30	3.84	11:15	4.24	3.96	12:15	1.51	11:15	1.71	1.60	06:30	0.769	11:15	0.969	0.823	110012	0.07
04/30/2021	17:55	3.83	00:25	3.97	3.90	17:55	1.56	00:25	1.61	1.59	17:55	0.765	00:25	0.831	0.795	106218	
05/01/2021	06:05	3.83	23:20	3.96	3.88	06:05	1.56	23:20	1.61	1.58	06:05	0.762	23:20	0.825	0.788	105343	
05/02/2021	11:30	3.83	23:20	3.96	3.90	11:30	1.56	23:20	1.61	1.59	11:30	0.765	23:20	0.825	0.798	106616	
05/03/2021	03:35	3.83	23:25	4.27	3.94	21:55	1.51	23:25	1.72	1.60	03:35	0.762	23:25	0.986	0.814	108877	0.11
05/04/2021	21:10	3.85	06:45	4.52	3.97	23:55	1.57	06:45	1.81	1.61	21:10	0.771	06:45	1.133	0.833	111408	0.01
05/05/2021	20:15	3.81	09:25	3.92	3.87	20:15	1.55	09:25	1.60	1.58	20:15	0.752	09:25	0.808	0.782	104561	
05/06/2021	16:10	3.50	10:10	3.95	3.68	22:00	1.50	12:35	1.65	1.57	23:15	0.651	10:10	0.797	0.724	96837	0.05
05/07/2021	20:50	3.47	07:10	3.61	3.54	20:05	1.49	05:10	1.60	1.55	20:05	0.638	07:30	0.713	0.673	90018	
05/08/2021	18:00	3.48	00:50	3.58	3.53	18:35	1.48	01:35	1.59	1.54	12:30	0.641	03:25	0.689	0.666	89078	
05/09/2021	03:10	3.48	14:30	3.70	3.56	05:50	1.50	14:25	1.63	1.55	05:35	0.642	14:25	0.754	0.681	91100	0.05
05/10/2021	23:05	3.49	03:25	3.61	3.54	02:55	1.50	16:05	1.59	1.54	07:50	0.648	16:10	0.707	0.670	89543	
05/11/2021	05:45	3.49	15:30	3.60	3.54	15:45	1.49	13:40	1.57	1.53	15:50	0.643	15:30	0.694	0.666	89070	
05/12/2021	23:25	3.46	15:40	3.63	3.53	07:30	1.48	15:35	1.61	1.53	03:50	0.637	15:35	0.724	0.662	88521	
05/13/2021	23:30	3.45	11:40	3.57	3.51	23:20	1.47	12:20	1.58	1.52	23:20	0.626	01:20	0.679	0.655	87625	
05/14/2021	04:00	3.46	16:40	3.59	3.52	22:05	1.46	04:15	1.57	1.53	22:05	0.625	16:30	0.686	0.656	87761	
05/15/2021	14:00	3.44	21:10	3.55	3.51	22:20	1.45	17:55	1.58	1.52	22:25	0.616	17:55	0.685	0.654	87449	0.01
05/16/2021	17:10	3.46	11:00	3.57	3.51	03:35	1.48	13:55	1.60	1.53	03:45	0.631	13:55	0.682	0.656	87690	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	18:15	3.44	11:30	3.57	3.51	05:10	1.48	13:15	1.58	1.52	02:50	0.626	07:10	0.687	0.654	87389	
05/18/2021	02:30	3.43	12:15	4.31	3.64	00:45	1.47	12:10	1.82	1.56	02:50	0.626	12:05	1.056	0.710	94867	0.09
05/19/2021	08:45	3.50	11:55	6.46	3.89	22:05	1.37	11:40	2.26	1.57	22:05	0.619	11:55	2.385	0.812	108486	0.10
05/20/2021	17:20	3.56	14:55	3.68	3.62	05:50	1.37	04:20	1.49	1.43	01:15	0.610	04:20	0.681	0.641	85652	
05/21/2021	07:30	3.55	20:30	3.65	3.60	12:10	1.29	13:55	1.47	1.42	12:10	0.573	17:10	0.659	0.633	84670	
05/22/2021	22:50	3.53	10:45	3.64	3.59	00:00	1.36	02:15	1.47	1.42	00:00	0.601	02:15	0.656	0.629	84086	
05/23/2021	02:10	3.54	22:30	5.71	3.75	06:30	1.36	22:15	2.00	1.46	06:30	0.605	22:30	1.753	0.710	94904	0.10
05/24/2021	15:35	3.52	00:00	4.41	3.64	00:30	1.26	00:00	1.68	1.44	15:35	0.607	00:00	1.012	0.657	87811	
05/25/2021	18:30	3.51	07:40	3.65	3.58	22:50	1.38	08:15	1.53	1.44	18:30	0.597	08:15	0.687	0.636	84977	
05/26/2021	00:40	3.52	02:10	31.37	6.52	22:15	1.29	02:00	7.62	2.07	00:35	0.598	02:10	78.835	4.811	643178	1.46
05/27/2021	15:20	3.91	00:00	4.05	3.98	15:00	1.15	19:45	1.36	1.29	15:00	0.587	19:45	0.716	0.669	89421	0.03
05/28/2021	19:05	3.89	06:30	7.54	4.40	18:45	1.04	06:30	2.50	1.39	18:45	0.529	06:30	3.331	0.907	121228	0.23
05/29/2021	20:55	3.83	00:15	3.99	3.89	19:20	1.00	04:55	1.23	1.10	19:20	0.487	04:55	0.623	0.551	73688	
05/30/2021	21:05	3.80	10:35	3.90	3.86	12:00	0.97	01:55	1.21	1.06	12:00	0.479	01:55	0.593	0.523	69966	
05/31/2021	23:05	3.77	03:00	3.88	3.84	03:35	0.88	11:55	1.17	1.03	03:35	0.434	11:55	0.576	0.504	67410	
06/01/2021	12:25	3.77	10:50	3.85	3.81	10:45	0.86	11:05	1.22	1.02	06:55	0.414	11:05	0.595	0.496	66244	
06/02/2021	20:45	3.74	00:25	3.85	3.80	18:25	0.84	14:10	1.22	1.03	18:25	0.402	14:10	0.586	0.497	66376	
06/03/2021	05:45	3.76	17:10	3.85	3.79	23:50	0.89	12:10	1.22	1.05	23:50	0.429	12:10	0.592	0.507	67842	
06/04/2021	10:35	3.74	18:05	4.49	3.84	10:05	0.91	17:40	1.49	1.08	06:50	0.439	17:55	0.908	0.532	71147	
06/05/2021	11:45	3.76	05:35	3.84	3.79	17:10	0.92	19:00	1.21	1.06	17:10	0.447	19:00	0.586	0.511	68258	
06/06/2021	08:15	3.75	17:25	3.84	3.79	10:10	0.93	05:00	1.20	1.09	10:10	0.447	05:00	0.575	0.525	70122	
06/07/2021	01:00	3.75	18:15	3.87	3.81	10:05	1.02	15:00	1.26	1.15	10:05	0.493	18:10	0.610	0.555	74202	
06/08/2021	16:20	3.77	09:45	3.87	3.82	10:55	1.06	01:55	1.34	1.17	10:55	0.508	01:55	0.653	0.568	75872	
06/09/2021	00:00	3.77	17:45	3.85	3.82	09:40	1.10	07:35	1.27	1.17	21:20	0.534	13:55	0.618	0.568	75942	
06/10/2021	10:05	3.79	16:25	3.88	3.83	06:15	1.03	12:35	1.24	1.15	06:15	0.500	23:20	0.609	0.564	75450	
06/11/2021	20:35	3.79	10:15	3.90	3.85	04:45	1.06	03:05	1.30	1.16	04:45	0.516	03:05	0.643	0.568	75989	
06/12/2021	04:05	3.81	15:35	25.28	5.02	19:55	1.03	15:30	7.62	1.45	10:05	0.540	15:30	58.681	2.143	286465	0.62
06/13/2021	23:20	3.71	01:15	4.05	3.83	20:10	0.97	23:40	1.36	1.10	23:25	0.453	23:40	0.638	0.537	71766	
06/14/2021	22:10	3.71	09:50	4.47	3.79	19:55	0.95	10:00	1.56	1.08	19:55	0.445	09:55	0.933	0.520	69519	
06/15/2021	18:15	3.37	11:25	3.80	3.59	11:30	1.00	12:30	1.61	1.29	11:30	0.482	12:30	0.702	0.564	75396	
06/16/2021	01:15	3.36	15:30	3.72	3.45	17:25	1.38	15:25	1.68	1.48	01:05	0.569	15:30	0.775	0.618	82571	
06/17/2021	22:30	3.42	14:25	3.56	3.48	15:05	1.38	00:15	1.51	1.44	15:05	0.577	08:50	0.639	0.612	81837	
06/18/2021	00:30	3.45	05:45	16.14	4.68	18:35	1.01	05:35	5.17	1.56	18:35	0.478	05:45	20.601	1.527	204162	0.38
06/19/2021	18:00	3.65	01:50	3.78	3.72	22:45	0.84	15:50	1.34	1.20	22:45	0.390	01:15	0.630	0.561	74952	
06/20/2021	16:30	3.65	23:50	77.01	5.02	04:25	0.99	23:35	7.63	1.36	04:25	0.462	23:50	220.410	4.017	536942	1.78
06/21/2021	23:45	4.03	00:00	71.73	6.82	16:40	0.84	00:25	8.02	1.61	23:25	0.453	00:00	207.644	4.697	627843	0.03
06/22/2021	19:40	3.79	16:10	4.05	3.89	19:00	0.65	16:05	1.25	0.99	19:00	0.318	16:05	0.662	0.494	66097	
06/23/2021	22:35	3.74	11:30	3.98	3.81	22:50	0.63	10:40	1.26	0.96	22:50	0.303	11:30	0.646	0.465	62126	
06/24/2021	11:30	3.72	16:25	10.10	4.61	03:05	0.66	16:30	3.03	1.13	03:05	0.318	16:25	6.229	0.908	121338	0.31
06/25/2021	03:50	3.86	05:35	20.71	6.83	03:50	0.91	05:50	5.31	1.63	03:50	0.452	05:40	29.980	3.298	440917	0.03
06/26/2021	01:30	4.15	03:20	9.30	5.96	07:25	0.89	03:10	2.62	1.53	07:25	0.543	03:15	4.724	1.662	108777	0.01
06/27/2021	00:00		00:00			00:00		00:00			00:00		00:00				0.02
06/28/2021	00:00		00:00			00:00		00:00			00:00		00:00				0.02
06/29/2021	00:00		00:00			00:00		00:00			00:00		00:00				0.02
06/30/2021	00:00		00:00			00:00		00:00			00:00		00:00				0.02
07/01/2021	21:30	4.25	13:15	5.11	4.35	19:40	1.25	13:15	1.56	1.40	19:40	0.731	13:15	1.169	0.828	49593	0.01
07/02/2021	01:20	4.21	10:35	4.49	4.29	05:15	1.25	10:35	1.53	1.38	05:15	0.713	10:35	0.951	0.797	106483	0.01
07/03/2021	20:05	4.18	16:45	4.71	4.28	12:45	1.30	16:45	1.68	1.40	12:45	0.731	16:45	1.112	0.808	107965	
07/04/2021	05:55	4.20	16:15	4.61	4.30	08:05	1.39	15:30	1.63	1.47	08:05	0.788	16:15	1.026	0.851	113766	
07/05/2021	05:10	4.01	02:10	4.33	4.11	02:10	1.38	16:00	1.52	1.45	07:55	0.741	03:05	0.870	0.787	105264	
07/06/2021	00:05	4.03	10:20	4.21	4.09	12:05	1.36	03:40	1.51	1.45	12:05	0.731	10:20	0.824	0.782	104512	
07/07/2021	09:30	4.01	22:45	4.24	4.11	04:30	1.40	12:00	1.54	1.45	04:30	0.740	12:00	0.862	0.789	105535	
07/08/2021	15:50	3.94	00:05	4.18	4.03	19:40	1.39	06:55	1.51	1.45	19:40	0.721	06:55	0.810	0.765	102215	
07/09/2021	22:35	3.91	12:45	4.01	3.97	03:05	1.40	12:20	1.48	1.44	09:40	0.718	12:50	0.773	0.743	99381	
07/10/2021	05:20	3.91	21:55	9.30	4.38	19:55	1.38	21:45	3.34	1.57	19:55	0.704	21:55	6.066	1.053	140756	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	23:50	3.78	03:30	6.63	4.18	04:00	1.19	03:25	2.44	1.56	23:35	0.692	03:25	2.690	0.896	119780	
07/12/2021	08:50	3.70	22:30	4.66	3.89	09:35	1.42	22:25	1.77	1.51	09:35	0.668	22:25	1.155	0.759	101450	
07/13/2021	19:50	3.74	22:50	4.07	3.85	13:10	1.44	22:50	1.60	1.50	14:20	0.696	22:50	0.856	0.740	98884	
07/14/2021	03:00	3.73	12:15	3.91	3.81	17:20	1.38	06:00	1.52	1.45	02:15	0.665	00:05	0.744	0.702	93869	
07/15/2021	14:40	3.76	23:55	8.72	4.01	04:20	1.39	23:55	3.09	1.52	04:20	0.666	23:55	5.114	0.828	110673	0.37
07/16/2021	23:00	4.20	00:40	18.07	5.62	23:20	1.45	00:55	6.99	1.98	23:15	0.820	00:35	32.624	2.928	391434	0.32
07/17/2021	10:30	4.13	02:00	4.26	4.19	18:55	1.44	04:05	1.60	1.51	19:00	0.799	04:05	0.904	0.844	112814	
07/18/2021	02:10	4.07	00:00	4.17	4.12	21:35	1.44	00:10	1.55	1.50	15:55	0.785	00:10	0.852	0.817	109214	
07/19/2021	22:00	4.08	09:40	4.30	4.13	15:40	1.42	09:50	1.62	1.50	18:20	0.769	09:35	0.936	0.823	109971	
07/20/2021	11:40	4.02	19:55	4.29	4.16	17:45	1.43	14:45	1.61	1.49	14:25	0.766	18:40	0.880	0.823	110082	
07/21/2021	23:45	4.01	11:20	4.34	4.14	20:10	1.36	12:10	1.52	1.46	20:10	0.731	11:15	0.876	0.800	106980	
07/22/2021	18:15	3.99	06:10	4.12	4.05	04:40	1.38	09:40	1.57	1.45	18:25	0.736	09:40	0.833	0.768	102627	
07/23/2021	23:50	3.99	11:15	4.38	4.06	23:40	1.37	11:15	1.61	1.44	23:40	0.721	11:15	0.960	0.770	102943	0.01
07/24/2021	12:05	3.95	18:10	5.43	4.17	10:05	1.37	17:50	1.90	1.47	12:15	0.719	17:55	1.546	0.827	110489	0.08
07/25/2021	19:40	3.95	00:45	4.15	4.03	17:35	1.37	00:35	1.53	1.43	19:50	0.717	00:35	0.835	0.754	100825	
07/26/2021	22:50	3.92	16:00	4.12	3.99	09:25	1.37	10:40	1.49	1.43	09:25	0.698	16:00	0.804	0.743	99314	
07/27/2021	22:20	3.91	15:20	4.08	3.97	09:00	1.35	05:25	1.51	1.43	09:00	0.694	15:30	0.798	0.735	98243	
07/28/2021	09:10	3.89	19:00	4.64	4.01	10:45	1.36	18:05	1.69	1.45	10:45	0.692	19:00	1.094	0.760	101608	0.01
07/29/2021	00:05	3.91	05:10	5.40	4.16	22:00	1.31	04:45	1.89	1.47	22:00	0.678	05:05	1.489	0.820	109662	0.10
07/30/2021	17:40	3.89	13:30	4.01	3.94	23:10	1.36	13:25	1.46	1.41	18:20	0.689	13:25	0.766	0.720	96300	
07/31/2021	14:05	3.88	08:35	3.98	3.93	20:45	1.32	04:55	1.49	1.40	20:45	0.661	04:55	0.751	0.708	94653	
08/01/2021	21:55	3.88	01:40	4.00	3.93	17:25	1.32	01:55	1.44	1.39	17:25	0.668	01:55	0.736	0.705	94230	
08/02/2021	15:35	3.88	09:25	3.98	3.93	14:45	1.31	12:00	1.46	1.39	05:00	0.665	12:00	0.738	0.706	94323	
08/03/2021	23:55	3.85	12:10	3.99	3.92	21:15	1.33	11:45	1.49	1.40	04:55	0.671	11:45	0.762	0.707	94453	
08/04/2021	23:25	3.85	10:25	4.38	3.93	17:35	1.29	10:05	1.62	1.39	17:35	0.645	10:25	0.952	0.709	94733	
08/05/2021	04:35	3.85	08:25	3.97	3.90	20:35	1.33	08:05	1.44	1.38	20:35	0.661	08:05	0.735	0.691	92411	
08/06/2021	02:15	3.87	23:50	6.01	4.07	00:00	1.33	23:50	2.01	1.45	10:00	0.666	23:50	1.921	0.785	104874	0.13
08/07/2021	18:50	3.84	00:00	5.93	4.03	10:55	1.28	00:05	1.96	1.41	10:55	0.632	00:00	1.832	0.751	100373	
08/08/2021	22:55	3.82	09:15	3.95	3.89	12:50	1.31	09:15	1.40	1.37	12:50	0.658	09:15	0.713	0.686	91767	0.01
08/09/2021	02:35	3.84	20:45	23.67	6.43	00:35	1.28	20:40	7.54	2.18	00:35	0.635	20:40	52.308	4.755	635594	1.42
08/10/2021	19:10	4.09	20:20	35.45	6.20	19:20	1.49	20:15	8.07	2.10	19:20	0.803	20:20	99.926	4.378	585306	0.91
08/11/2021	23:55	4.11	00:00	6.29	4.60	23:20	1.45	00:00	2.23	1.64	23:20	0.795	00:00	2.278	1.067	142675	0.08
08/12/2021	23:40	3.98	01:30	4.16	4.06	17:55	1.39	01:05	1.57	1.48	17:55	0.723	01:05	0.857	0.788	105318	
08/13/2021	21:15	3.95	11:50	4.21	4.03	13:15	1.37	00:15	1.54	1.44	13:15	0.717	11:55	0.864	0.756	101087	
08/14/2021	13:10	3.92	02:00	4.06	3.99	22:45	1.36	06:05	1.49	1.42	17:40	0.705	06:05	0.778	0.740	98975	
08/15/2021	22:55	3.92	05:30	4.04	3.99	17:35	1.34	00:45	1.48	1.42	17:35	0.700	05:30	0.778	0.739	98735	
08/16/2021	21:00	3.90	10:20	4.10	3.97	11:10	1.34	09:45	1.52	1.42	17:35	0.686	09:45	0.814	0.731	97764	
08/17/2021	21:15	3.89	10:20	4.03	3.95	01:45	1.36	14:45	1.49	1.41	21:10	0.688	10:10	0.782	0.725	96944	
08/18/2021	11:30	3.85	00:50	3.97	3.92	09:35	1.36	20:05	1.47	1.41	11:30	0.682	20:05	0.753	0.712	95223	
08/19/2021	11:00	3.86	18:40	4.11	3.96	12:05	1.34	22:45	1.52	1.42	13:05	0.679	22:45	0.820	0.731	97669	
08/20/2021	12:40	3.83	20:50	4.65	3.97	12:35	1.34	20:15	1.76	1.43	12:40	0.656	20:15	1.125	0.741	99106	
08/21/2021	14:50	3.86	17:10	4.50	3.96	18:45	1.34	17:10	1.68	1.41	02:35	0.682	17:10	1.041	0.727	97173	
08/22/2021	11:20	3.90	16:10	4.06	3.96	18:45	1.31	16:10	1.43	1.37	18:45	0.670	16:10	0.763	0.706	94349	
08/23/2021	06:00	3.89	11:40	6.49	4.18	23:25	1.26	11:40	2.28	1.43	21:40	0.652	11:40	2.438	0.809	108162	
08/24/2021	11:45	3.93	18:35	34.30	6.69	04:35	1.27	18:55	8.53	2.12	11:45	0.657	18:35	100.645	6.548	875290	1.71
08/25/2021	20:20	3.85	00:00	5.38	4.24	22:10	1.44	00:00	1.89	1.59	22:10	0.725	00:00	1.536	0.913	121989	0.09
08/26/2021	18:25	3.80	00:50	6.46	4.13	21:55	1.41	00:40	2.35	1.52	20:40	0.688	00:45	2.474	0.856	114475	0.01
08/27/2021	01:25	3.79	11:15	5.02	3.98	20:55	1.37	11:10	1.90	1.48	00:05	0.681	11:10	1.379	0.768	102619	
08/28/2021	09:40	3.81	18:00	7.37	4.23	20:10	1.16	17:45	2.62	1.49	12:55	0.664	17:45	3.310	0.891	119089	0.09
08/29/2021	10:15	3.90	15:40	5.45	4.09	21:25	1.20	15:30	1.90	1.42	21:25	0.621	15:35	1.554	0.777	103841	0.09
08/30/2021	22:05	3.88	15:10	5.10	3.98	16:05	1.21	15:00	1.86	1.38	01:05	0.642	15:10	1.356	0.717	95876	
08/31/2021	14:35	3.84	09:40	3.99	3.90	23:55	0.65	09:40	1.42	1.39	23:55	0.321	09:40	0.739	0.697	93102	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			17318050	11.87
Avg	4.06	1.45	0.960	

Evanston, IL

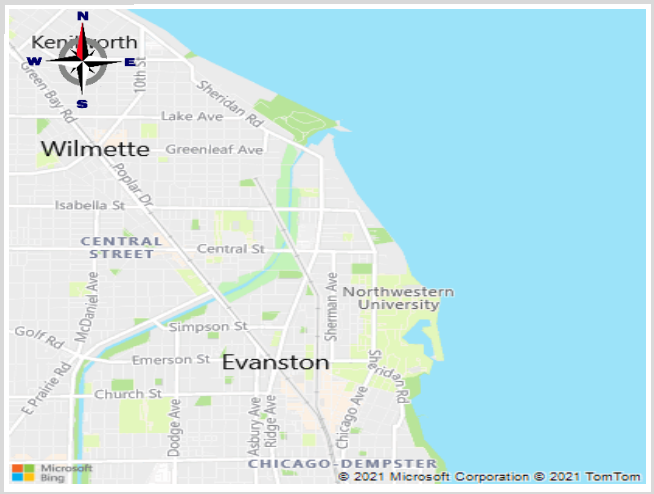
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

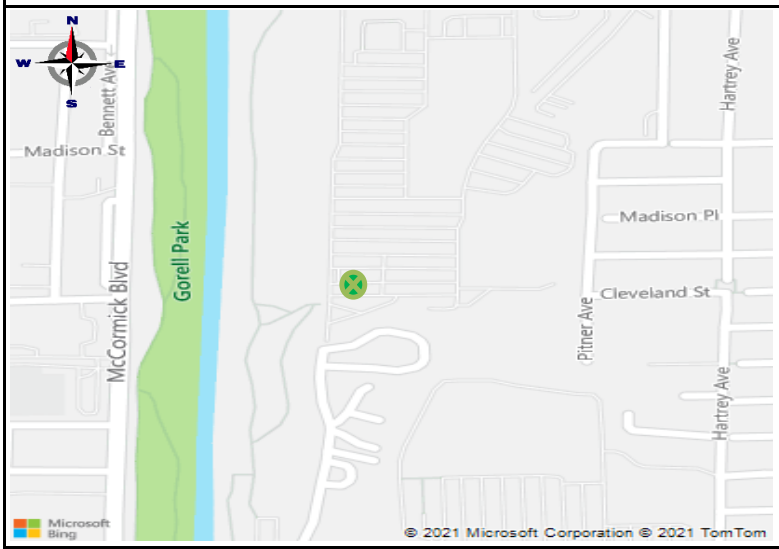
S1100130

Site Address /Location:	646 Pitner Ave. (Sam's Club)			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	MH SE of Sam's Club gas station; by landscape island	Latitude:	42.030022	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.708007	60 x 60	Circular



Manhole #	System Characteristics
S11_00130	Other
Access	Traffic
Drive	Light







Installation Information

Installation Date:	Installation Type:
Wednesday, March 31, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
5:48:00 PM	60 x 60
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
14.00	44.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.12	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Wet weather influenced; storm connections

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
20	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Additional Photos

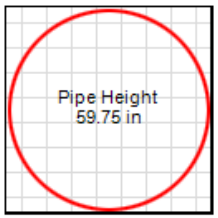
Upstream 	Downstream 	Storm connection from N 
Side connection from N 		

SCATTERGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

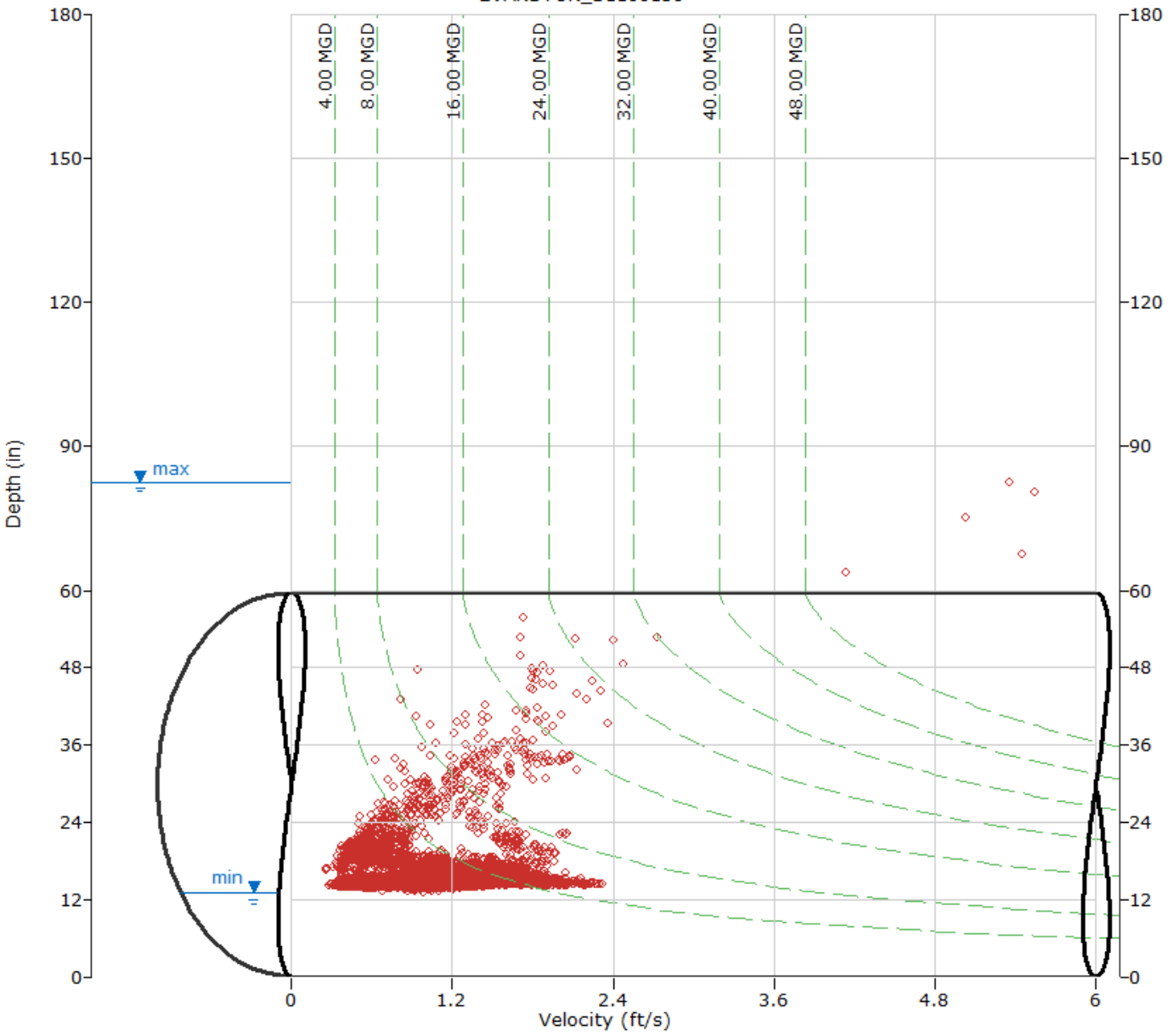


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



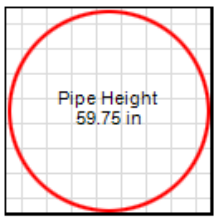
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

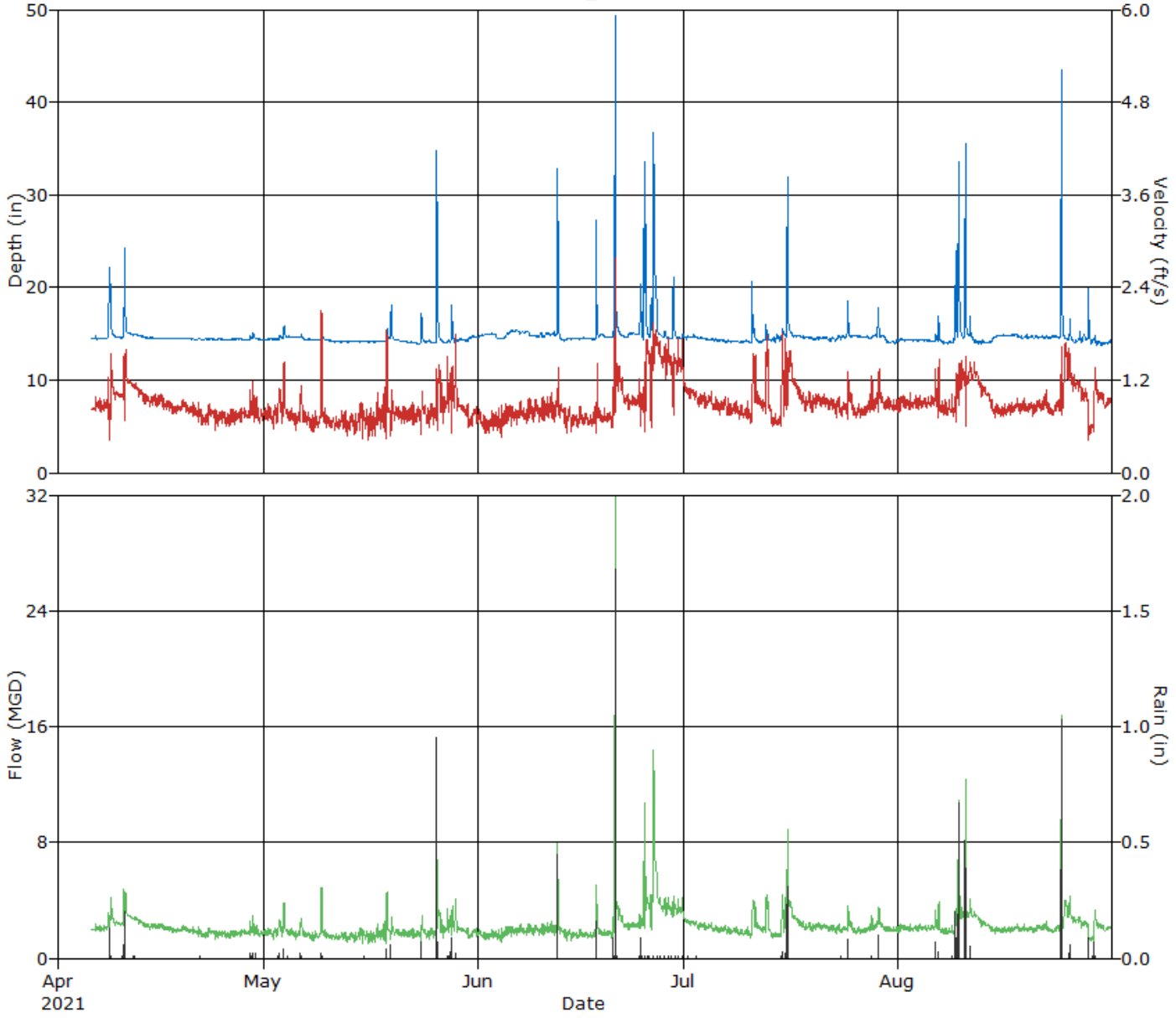


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



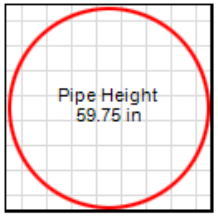
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130



Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



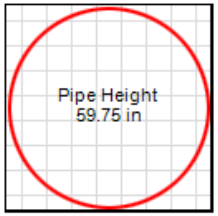
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

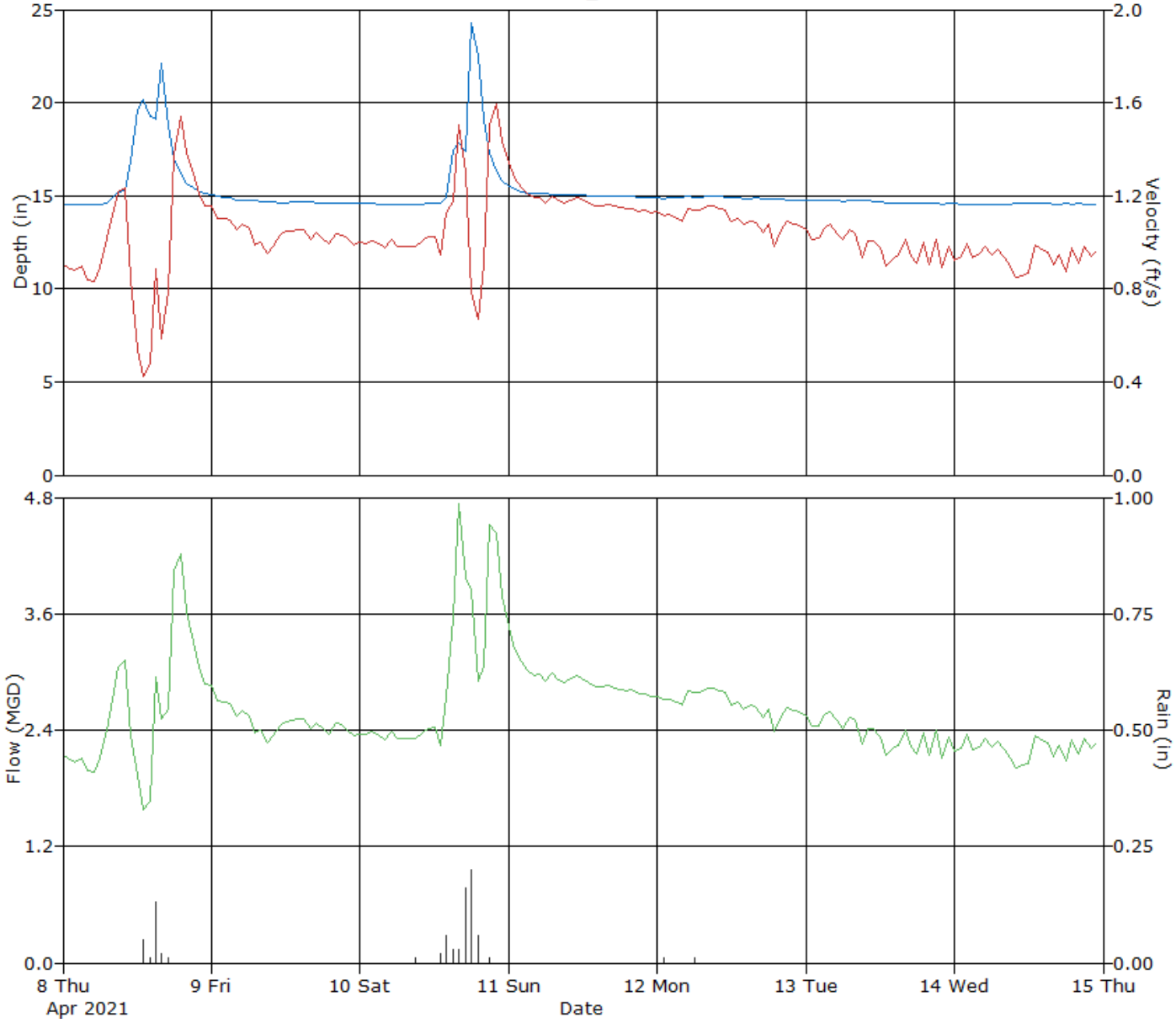


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



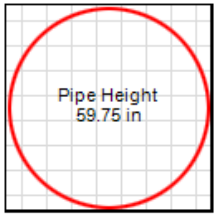
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

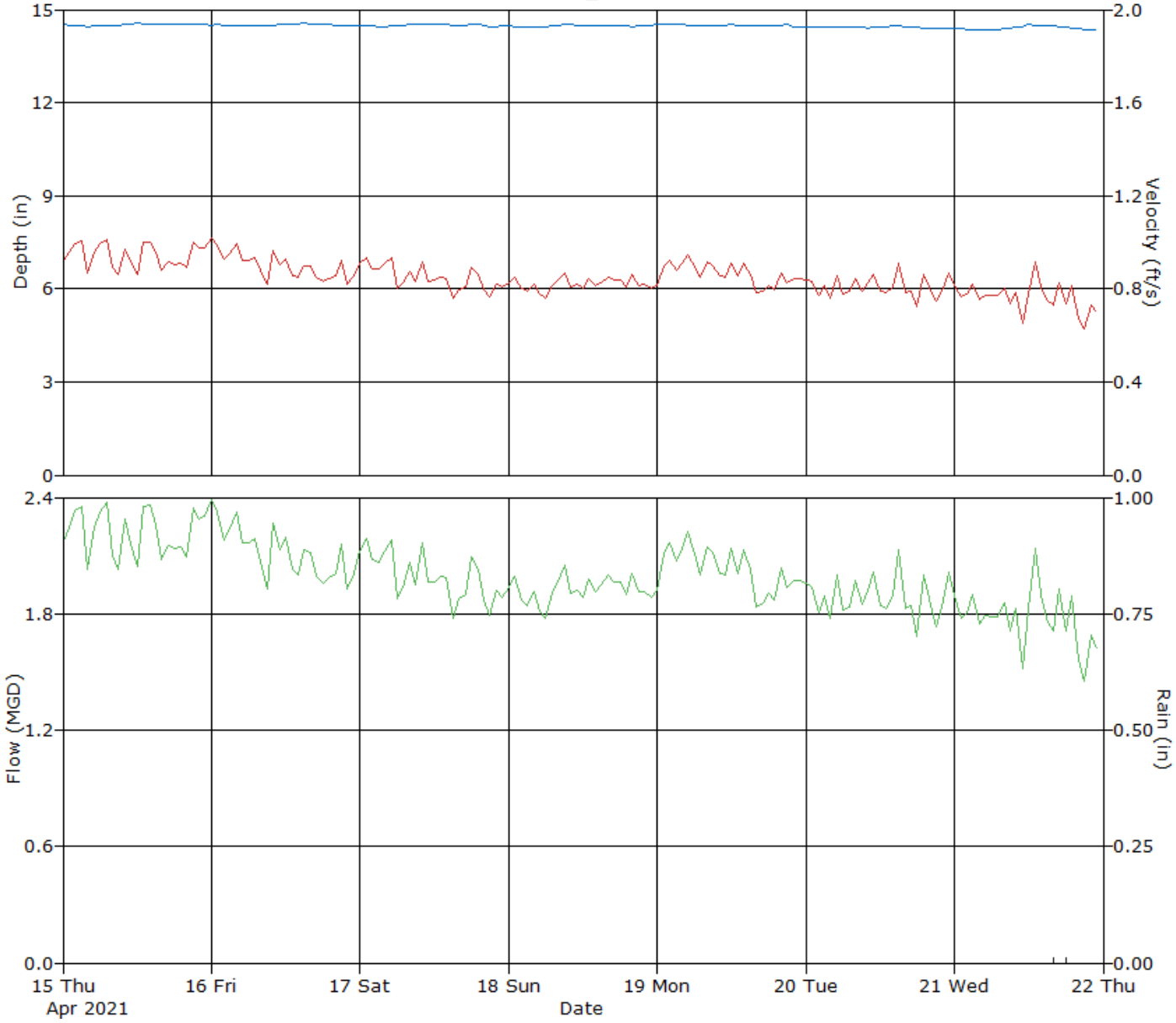


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



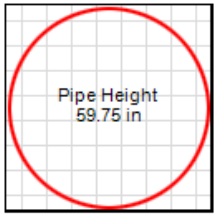
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

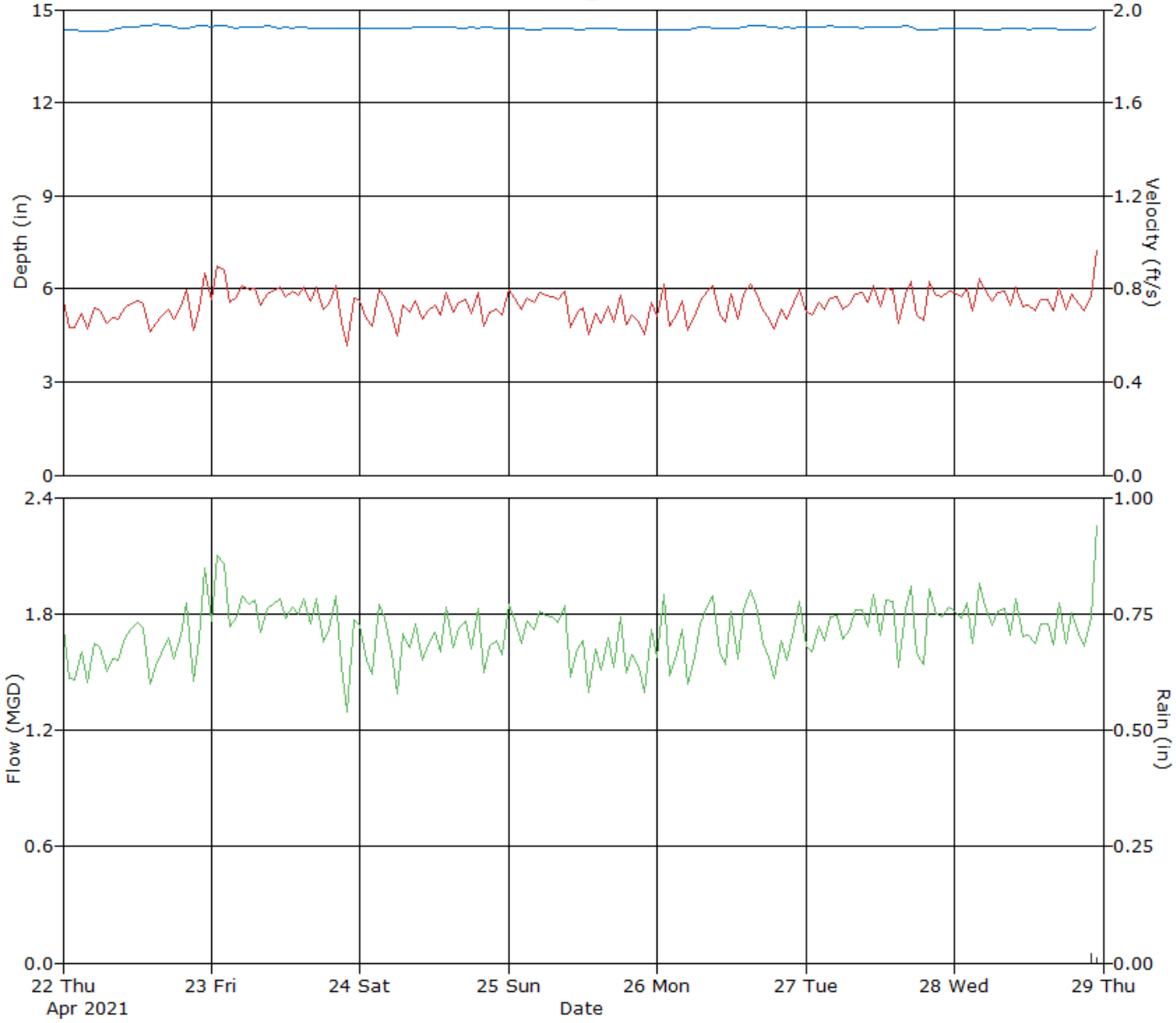


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



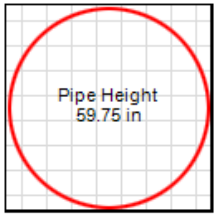
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

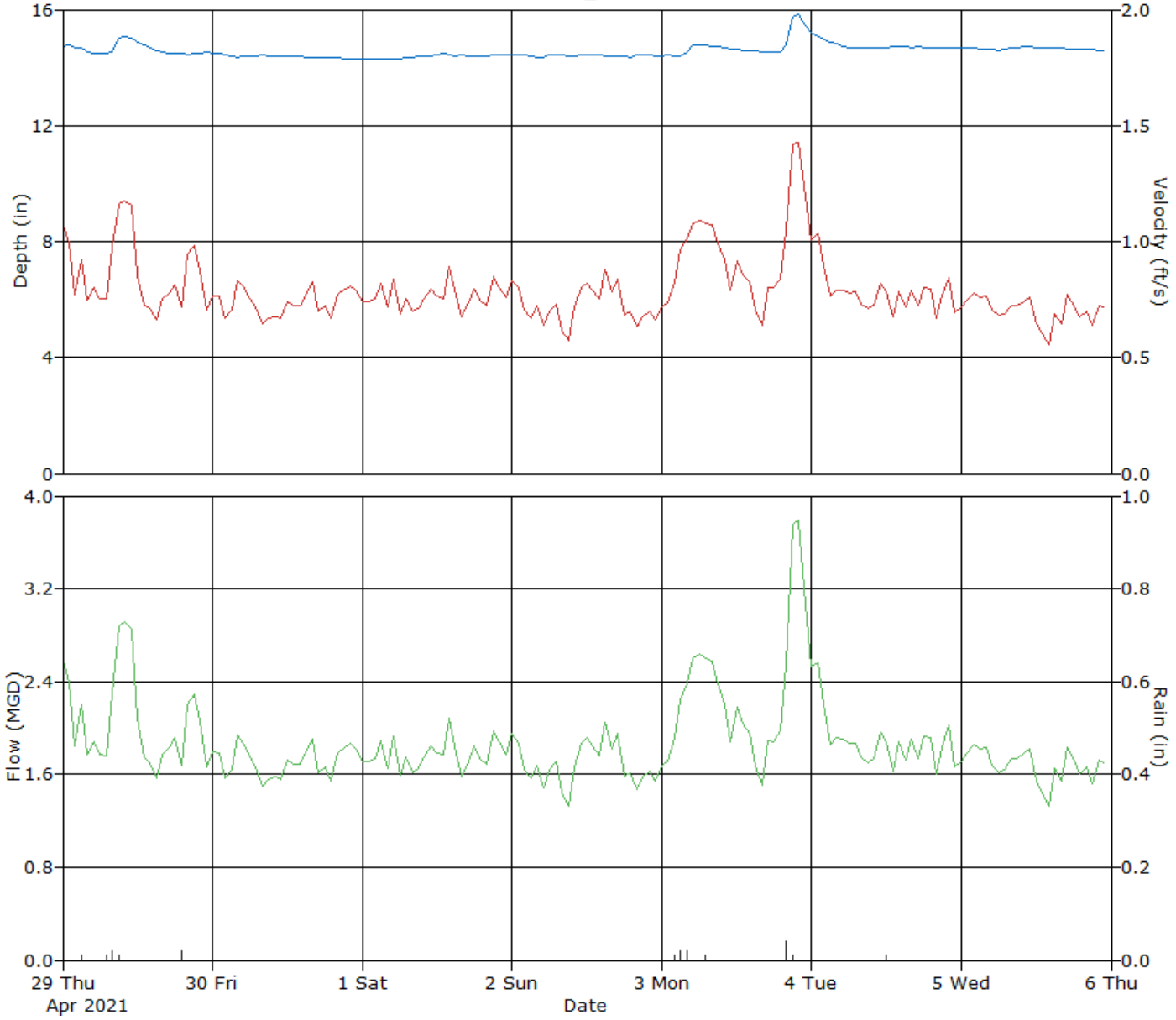


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



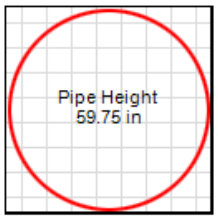
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

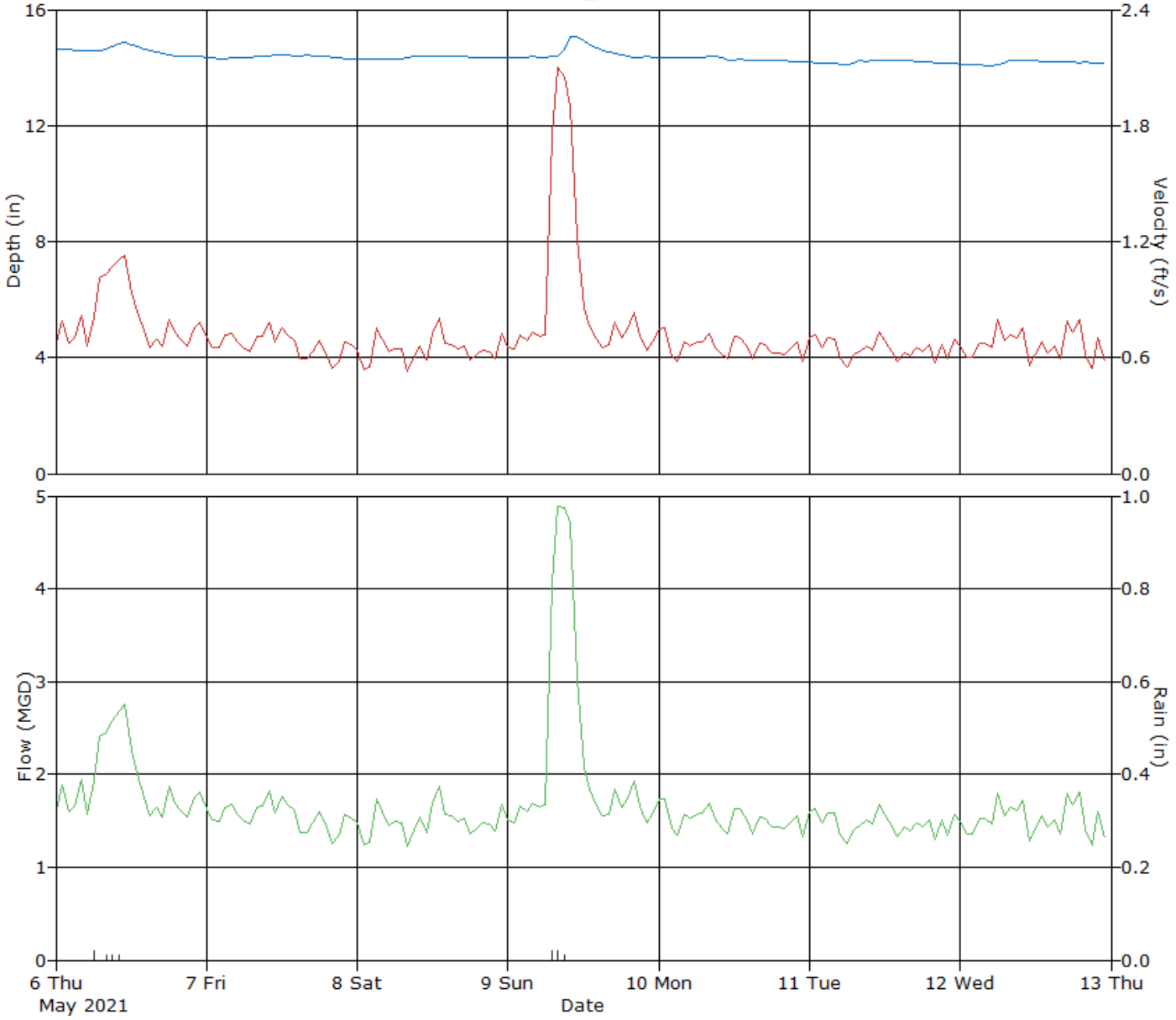


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

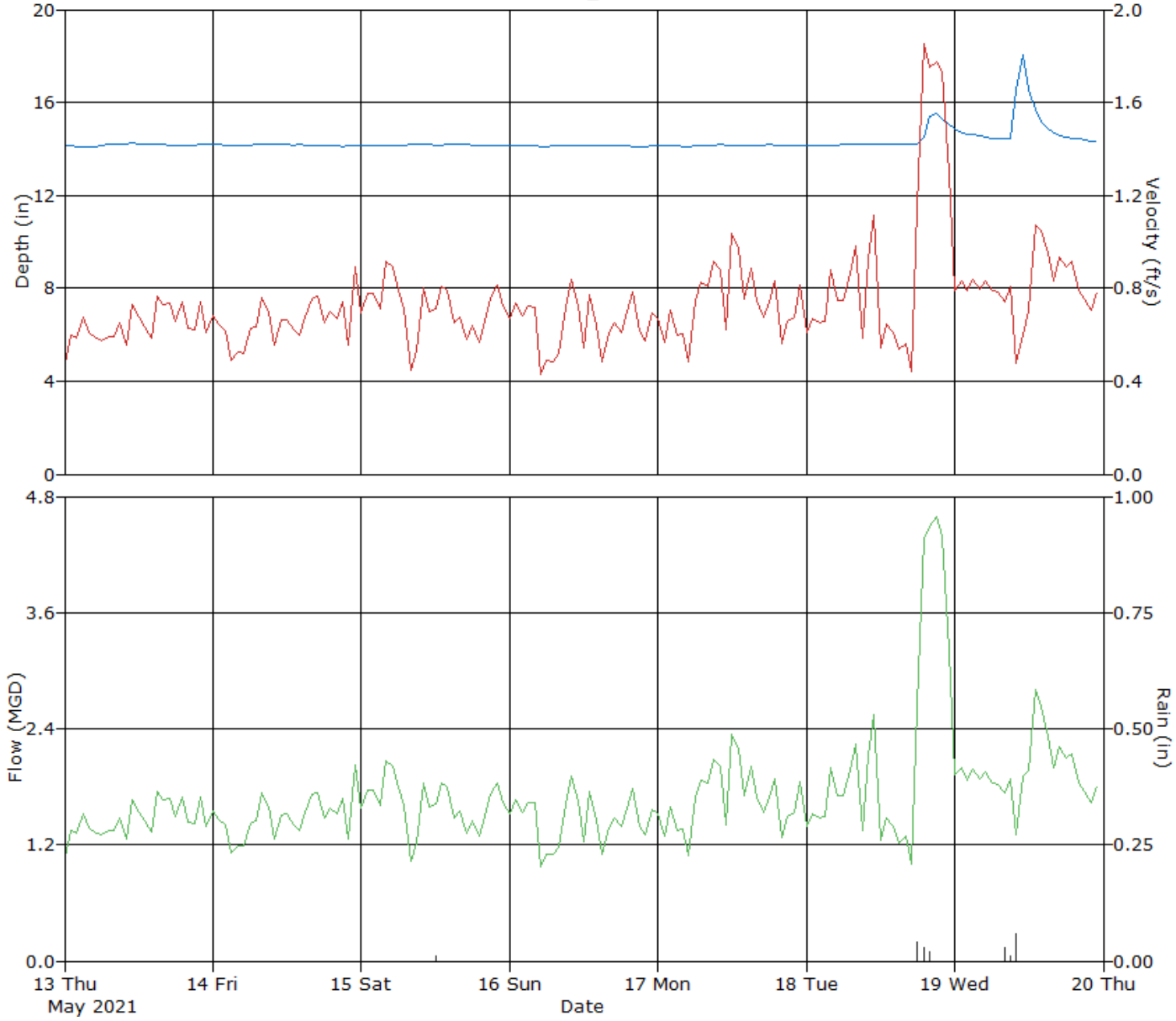
Pipe Height
59.75 in

Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



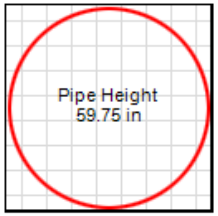
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

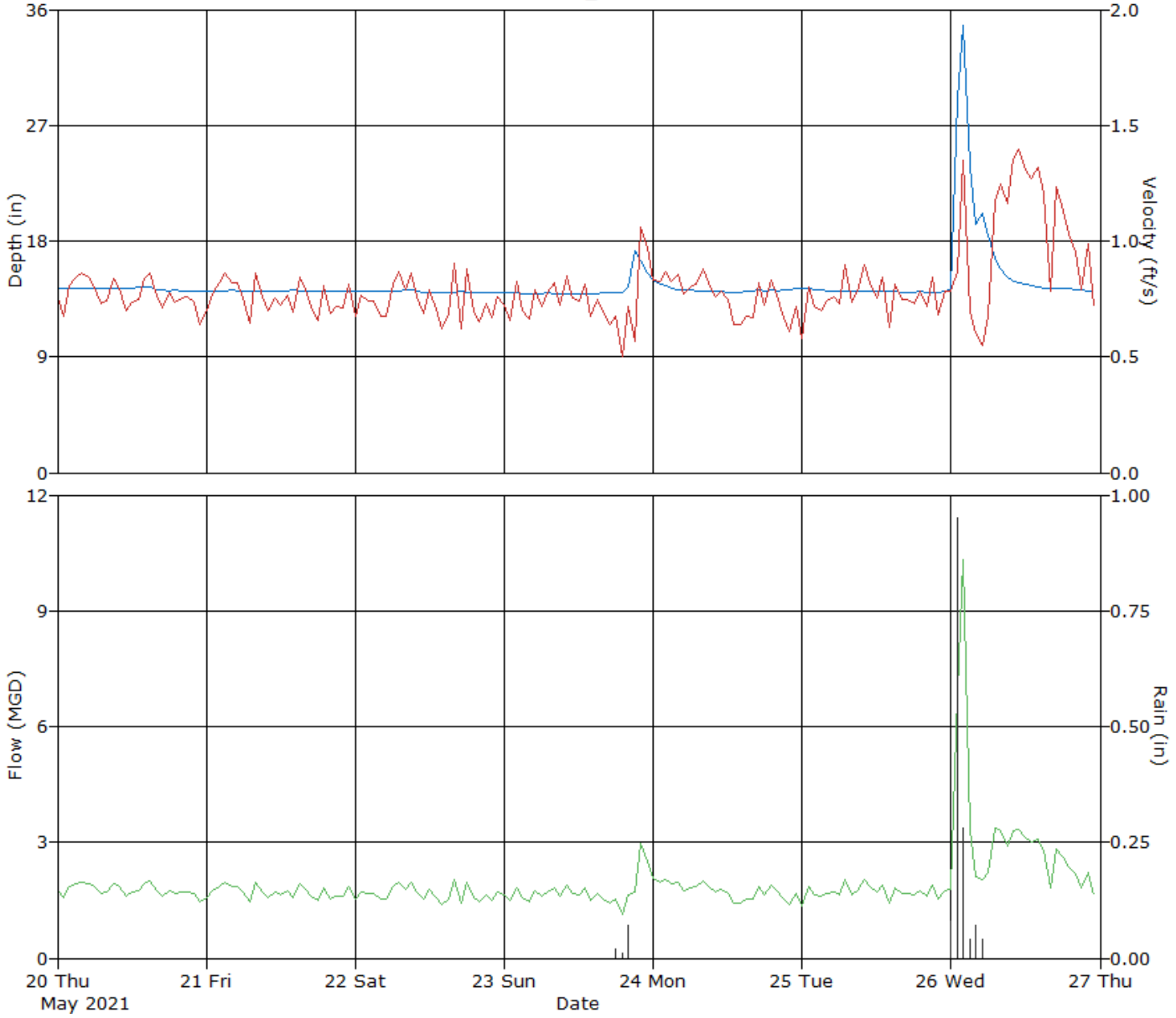


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



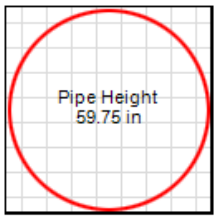
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

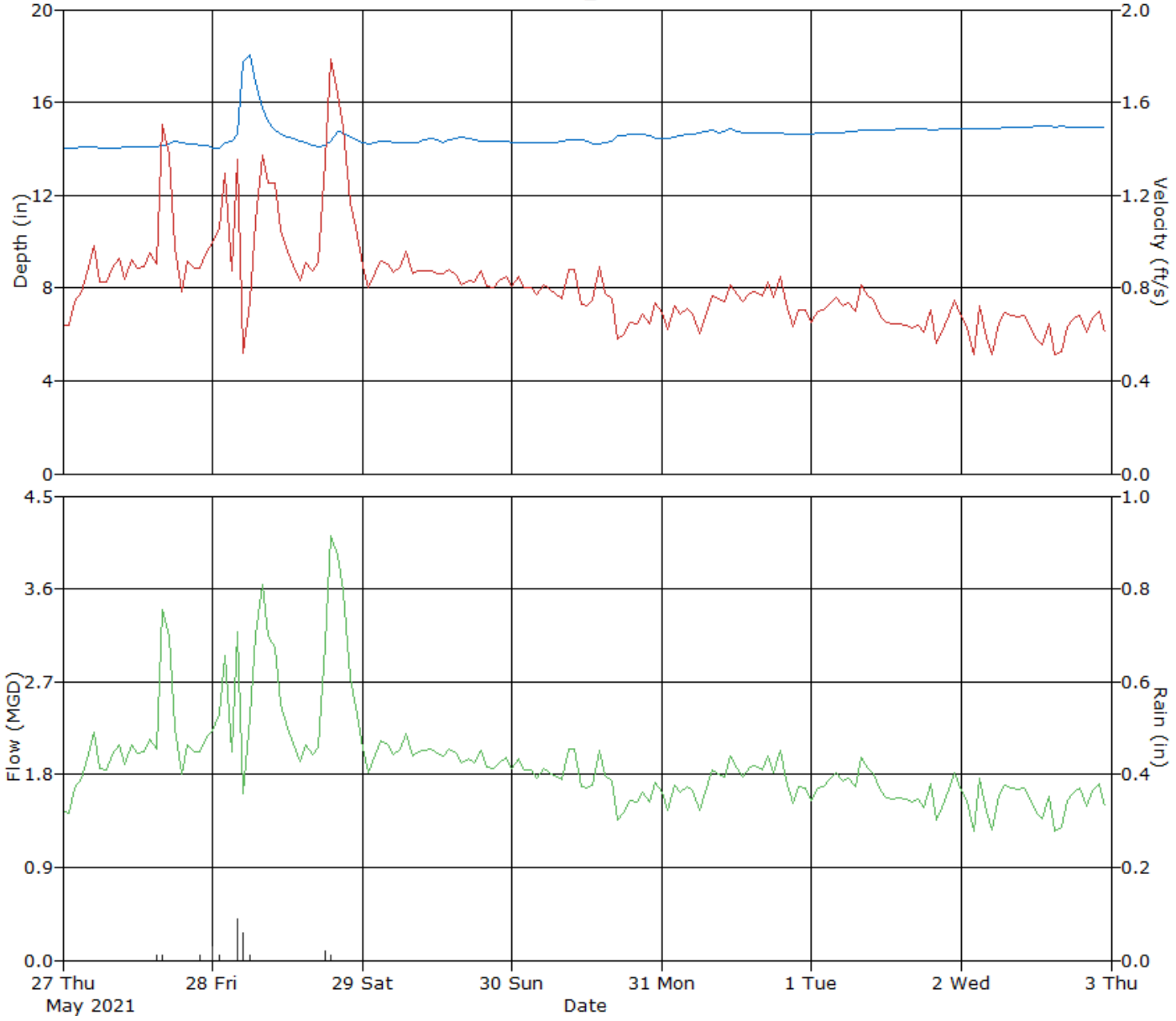


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



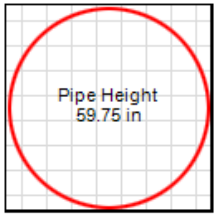
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130



Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



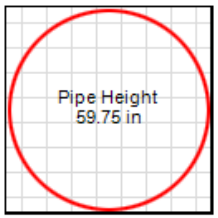
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

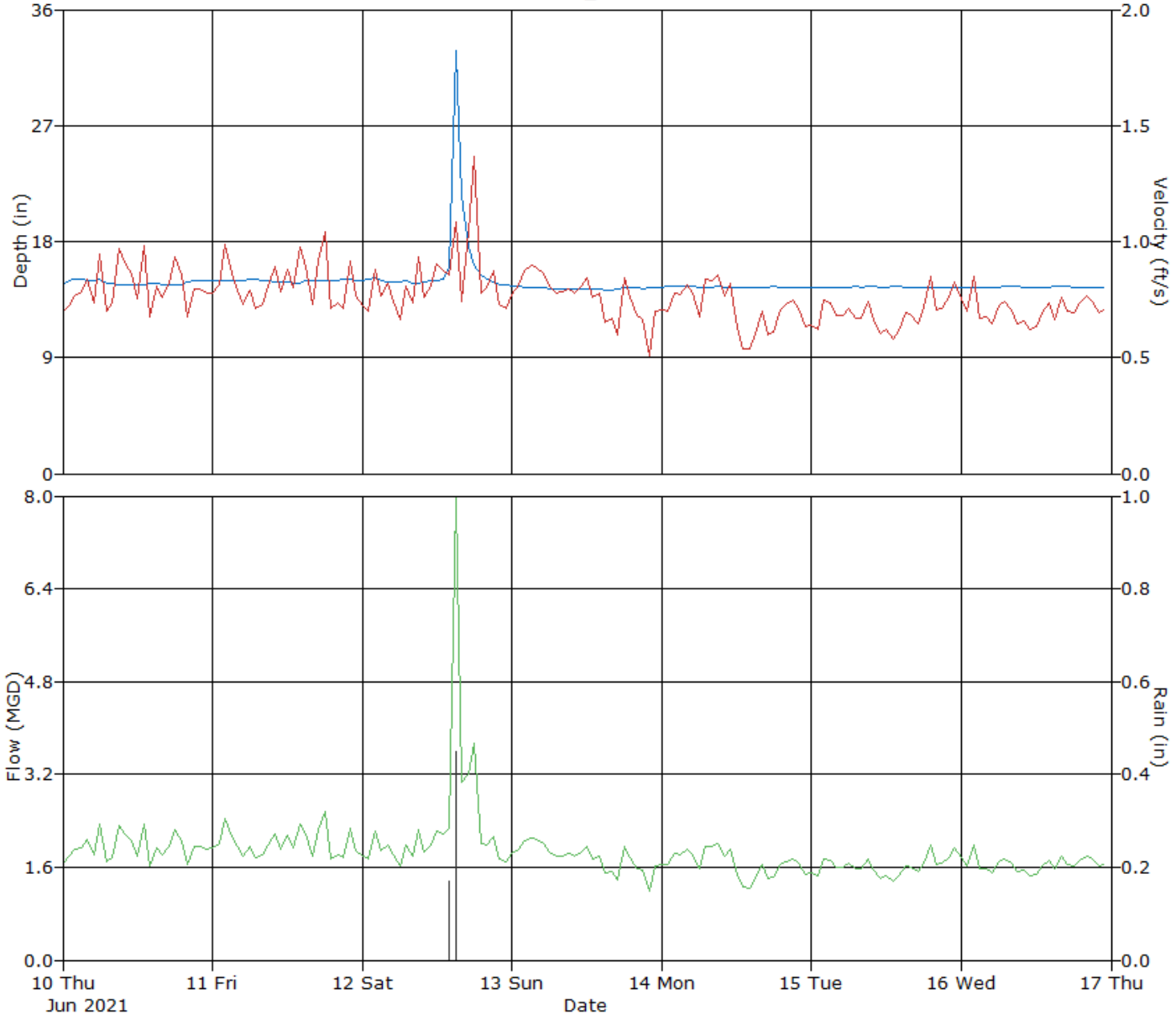


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



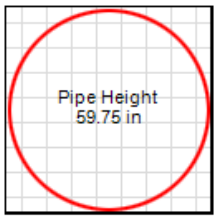
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

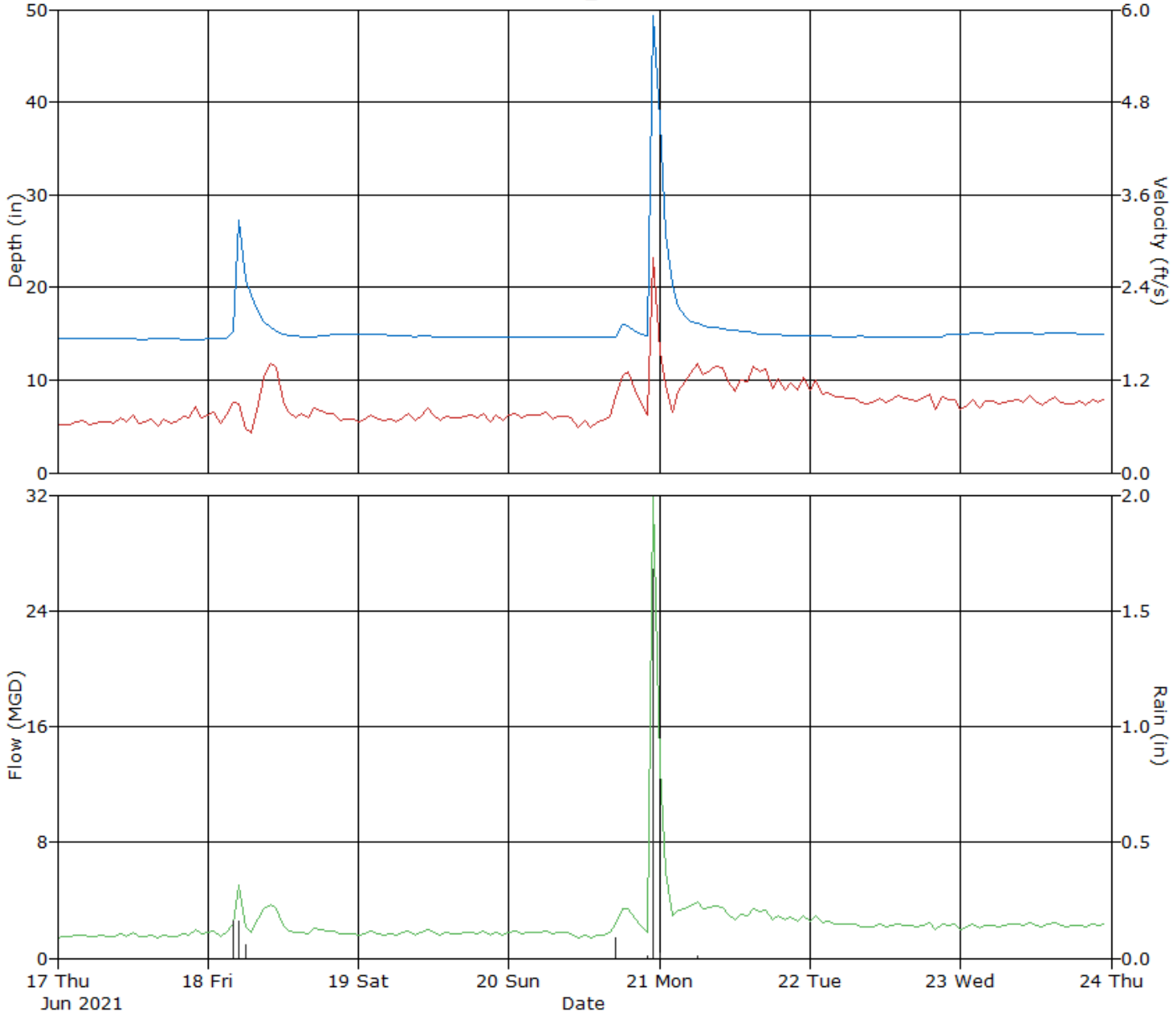


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



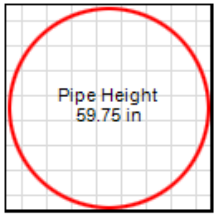
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

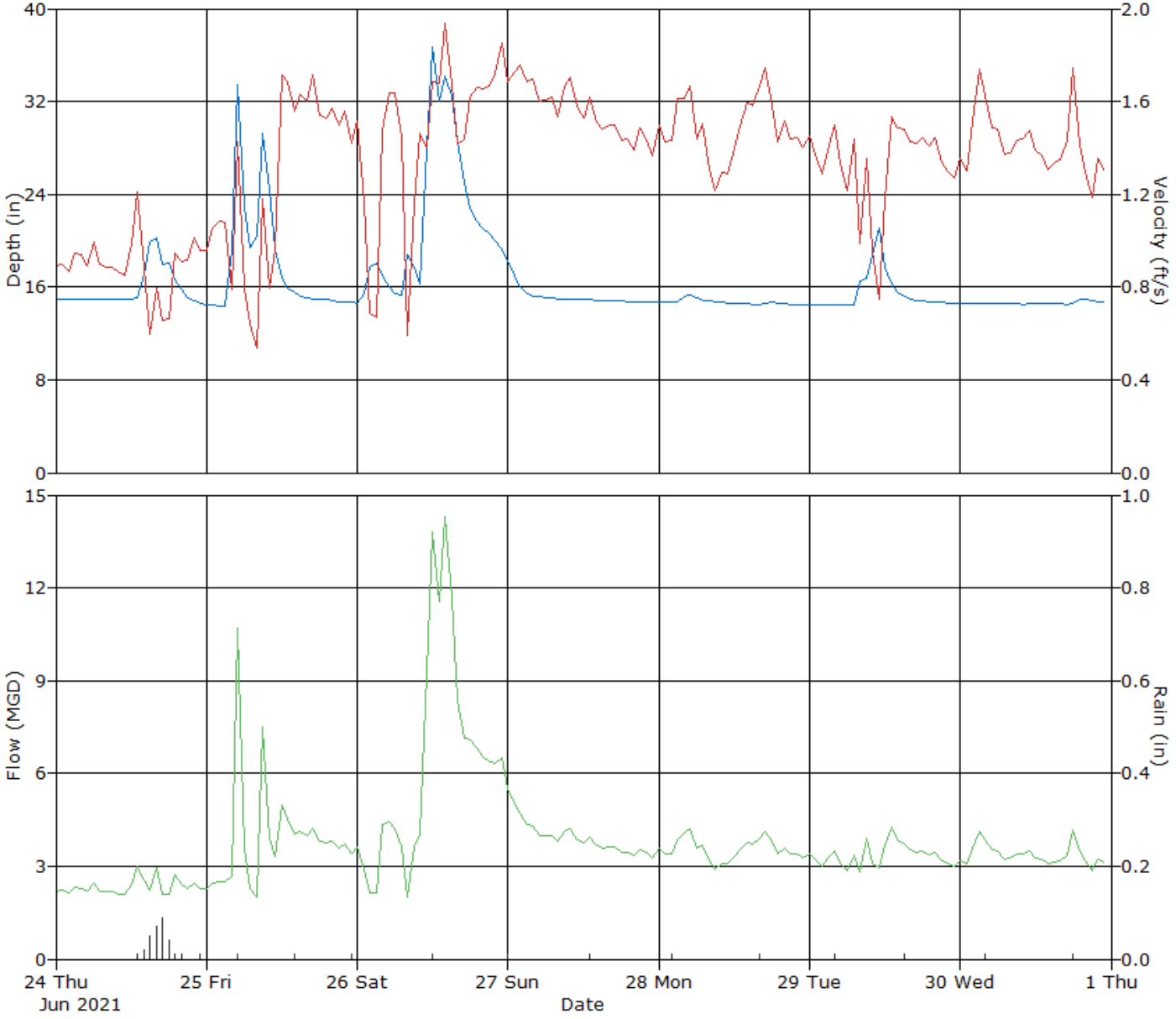


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



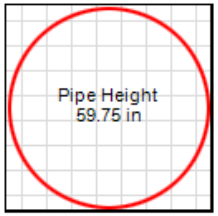
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

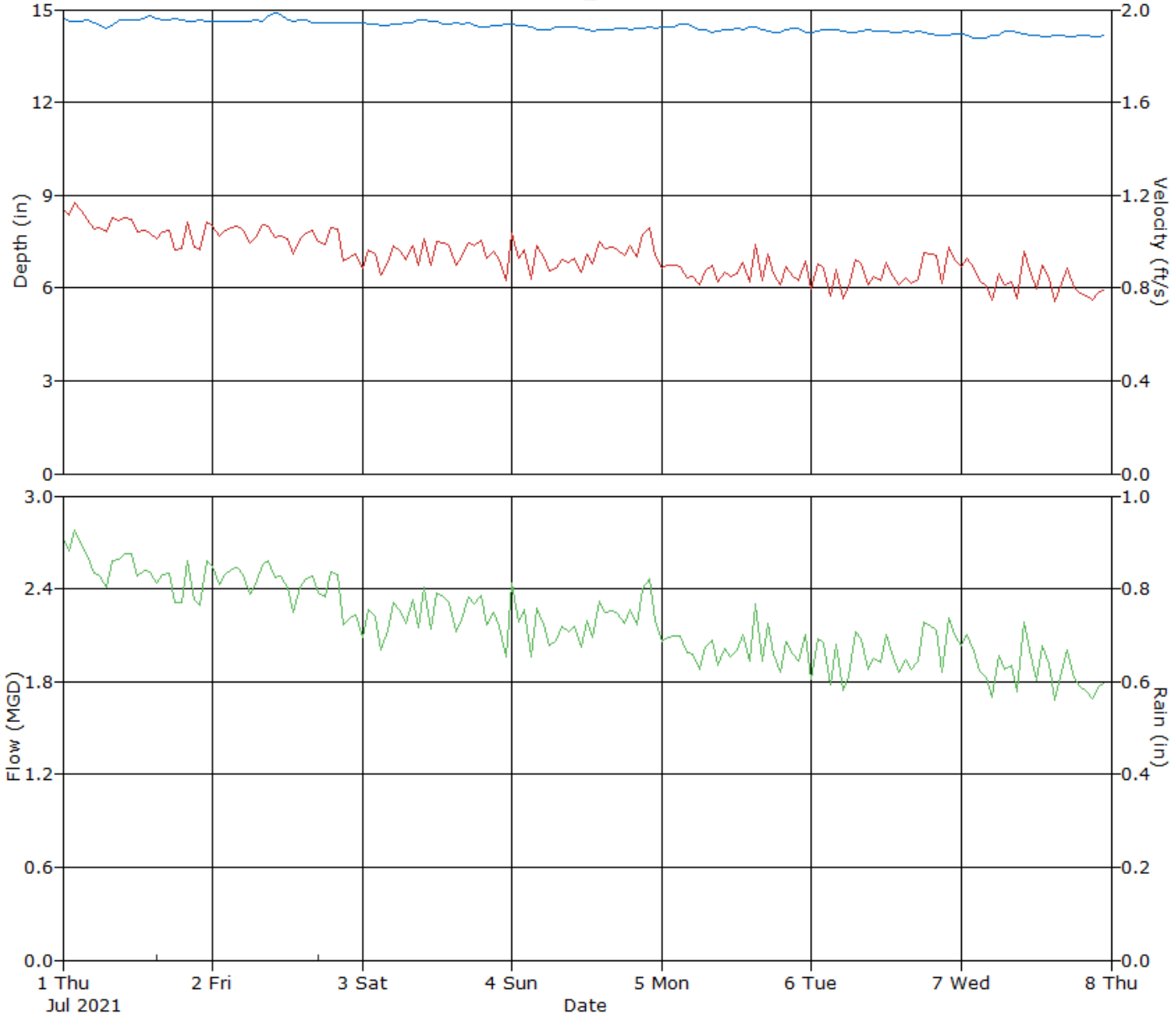


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

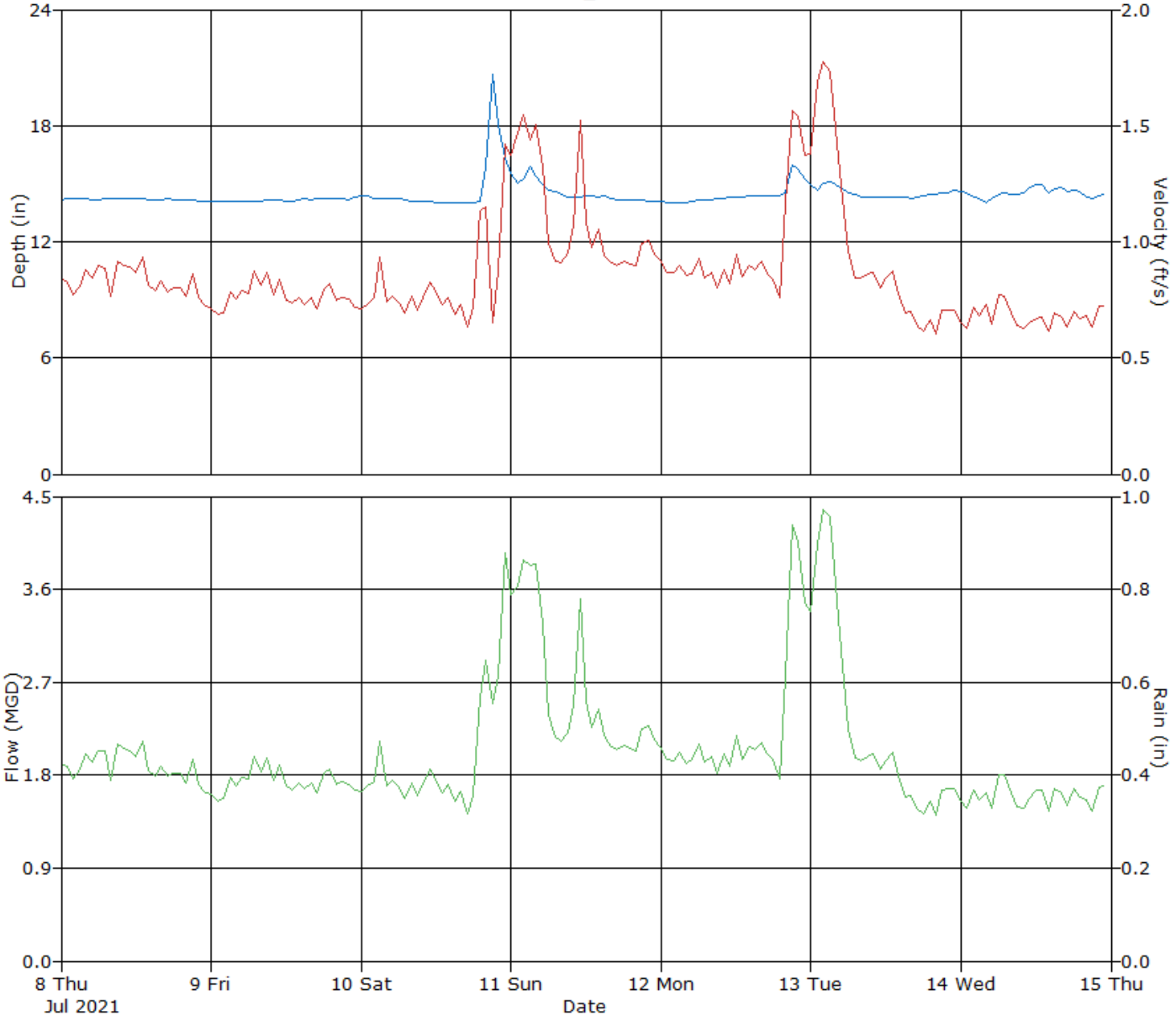
Pipe Height
59.75 in

Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



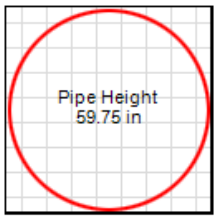
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

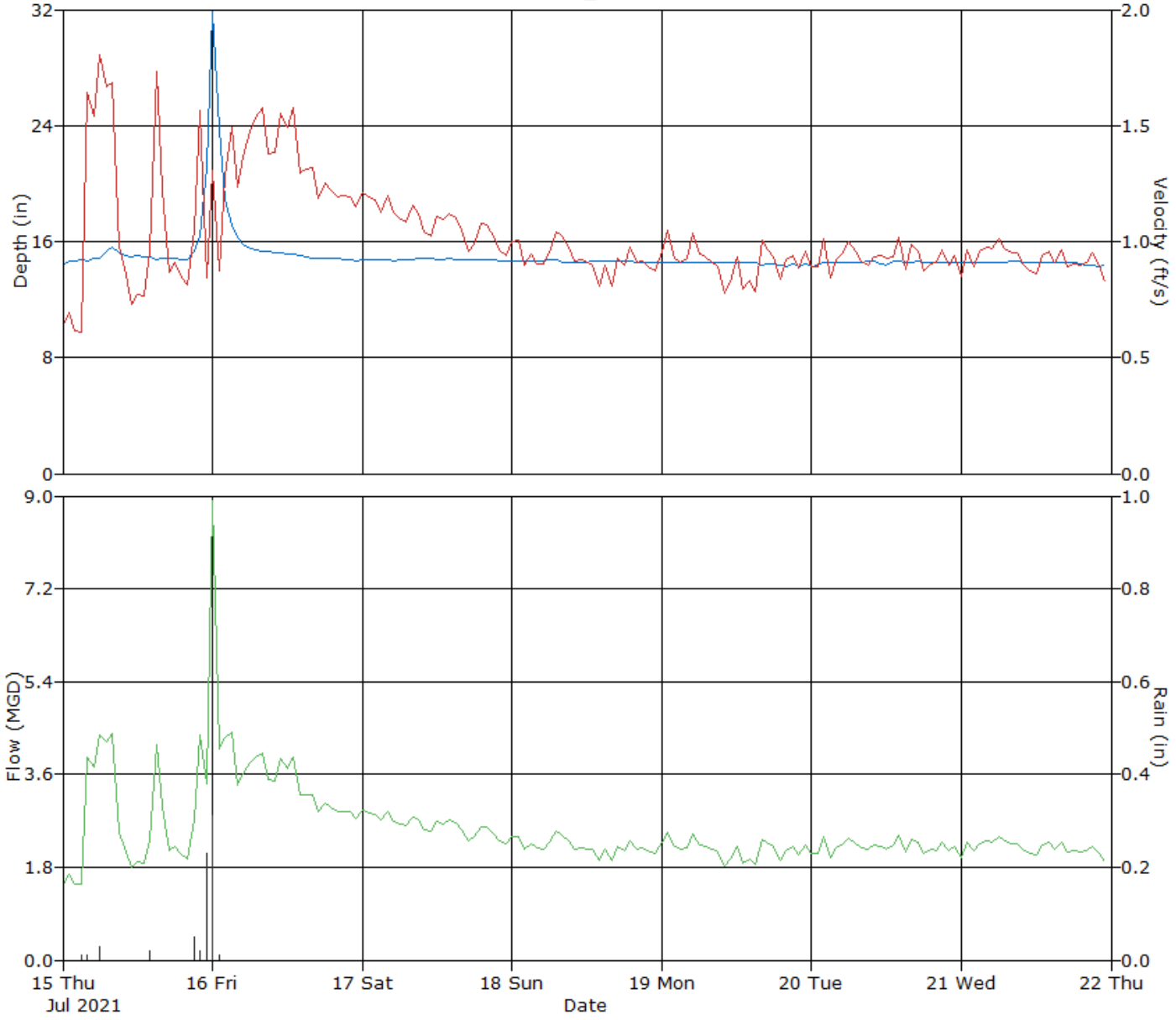


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



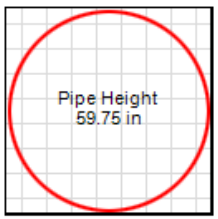
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

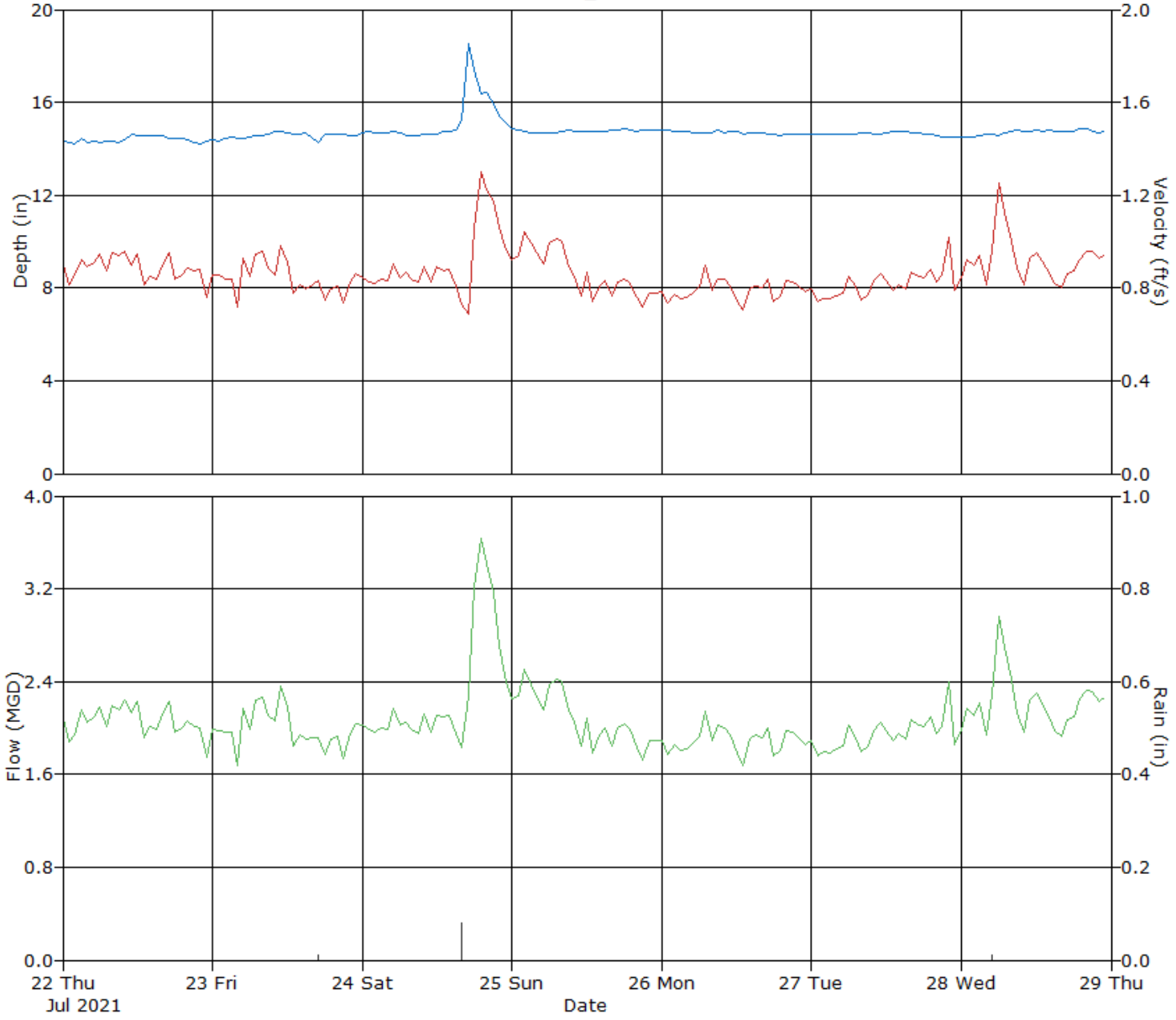


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



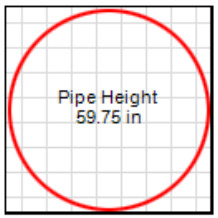
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

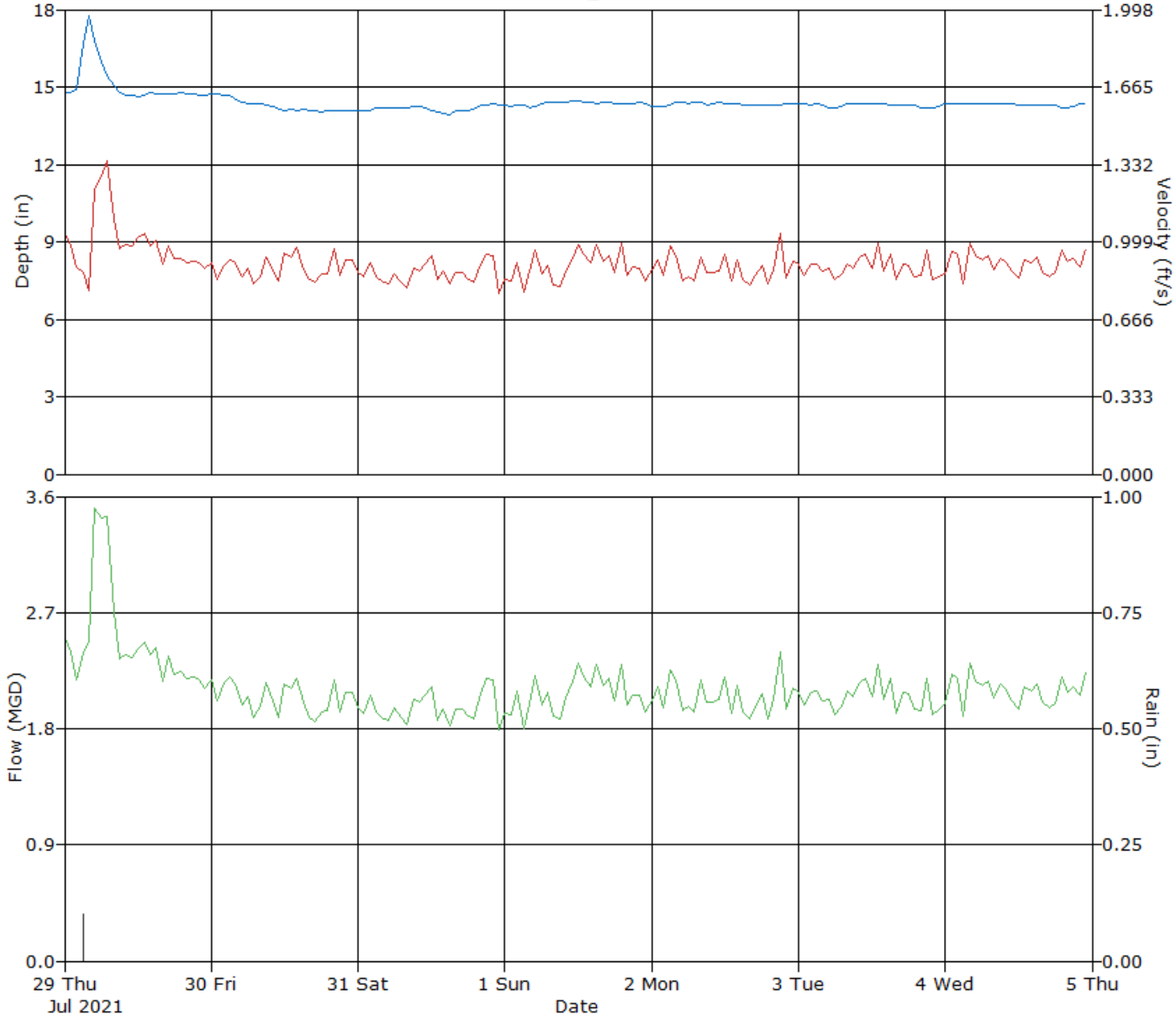


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



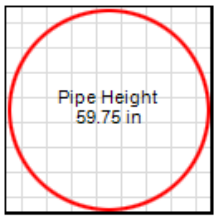
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

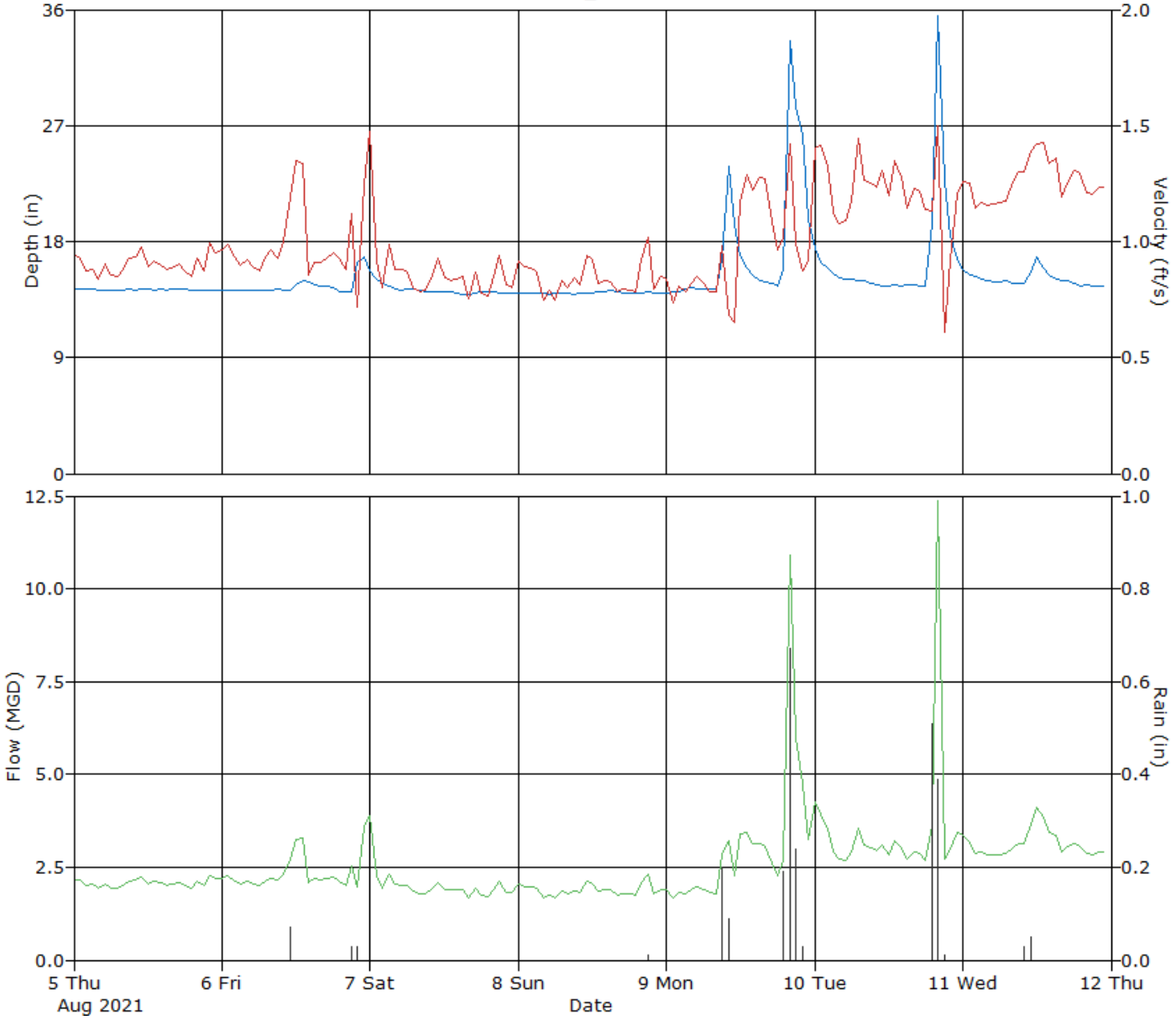


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



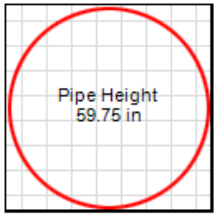
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

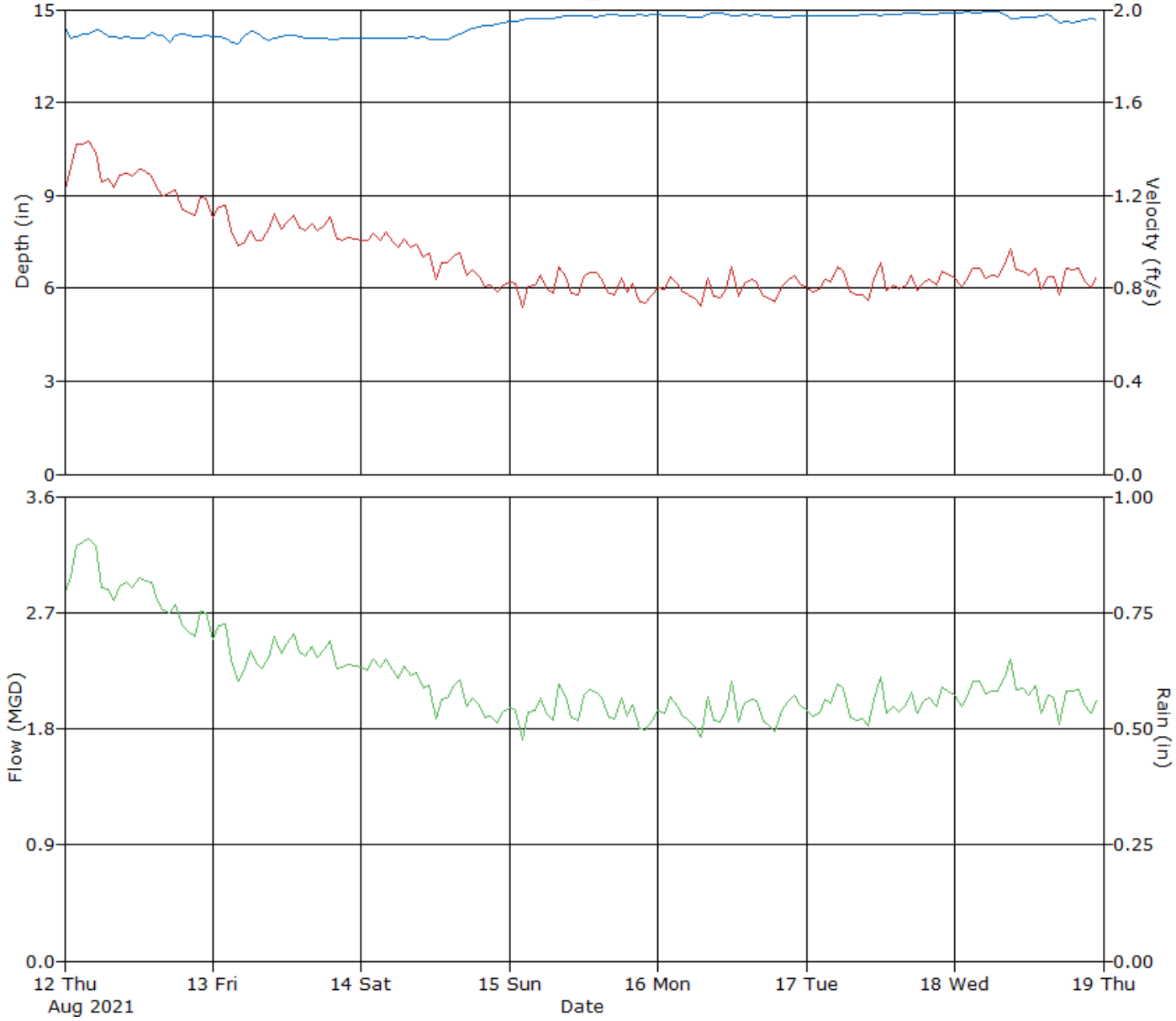


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



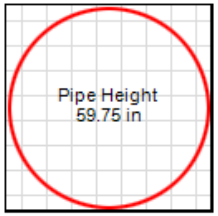
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

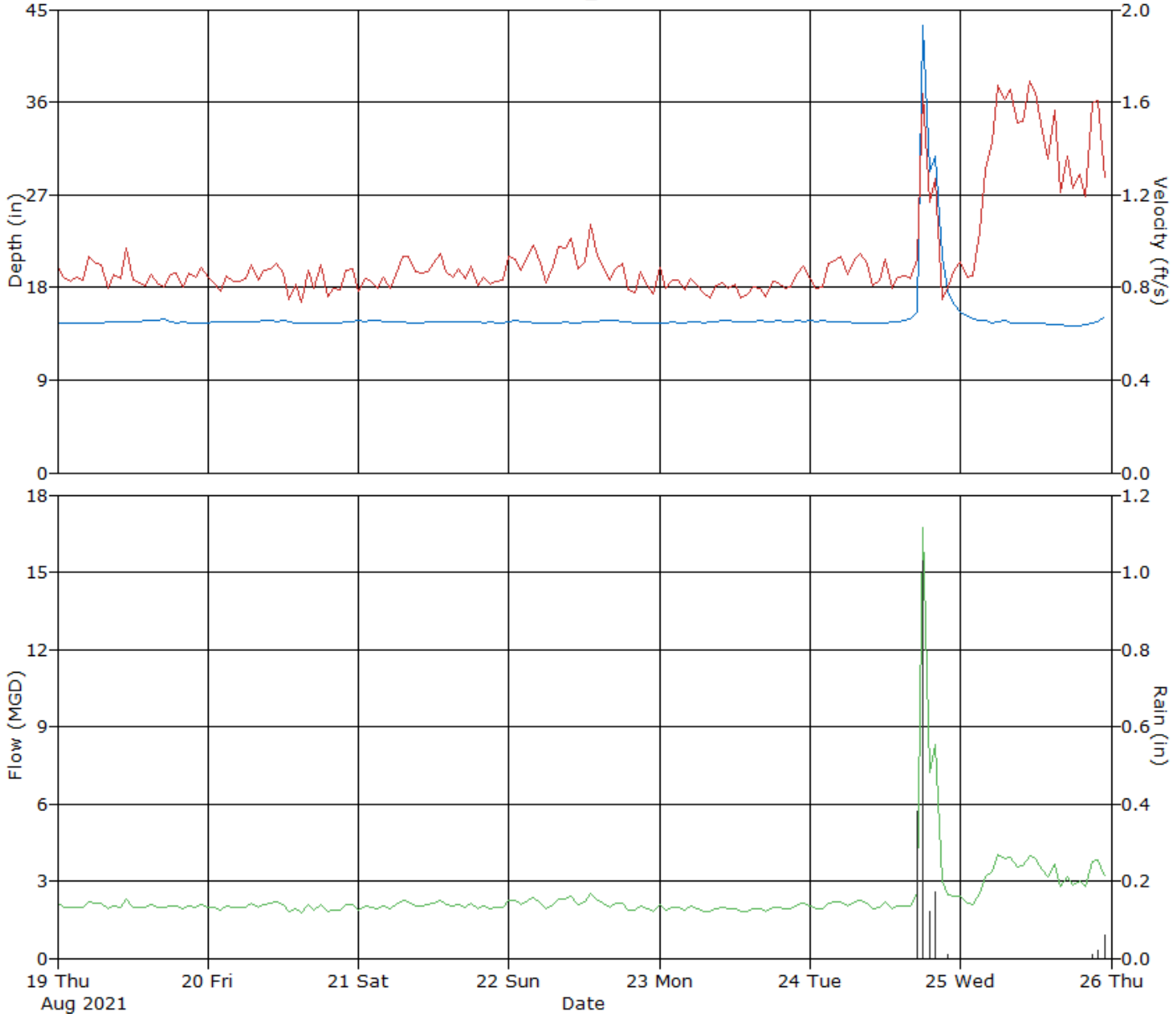


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



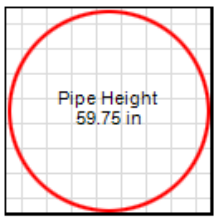
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1100130

Flow Monitor

EVANSTON_S1100130

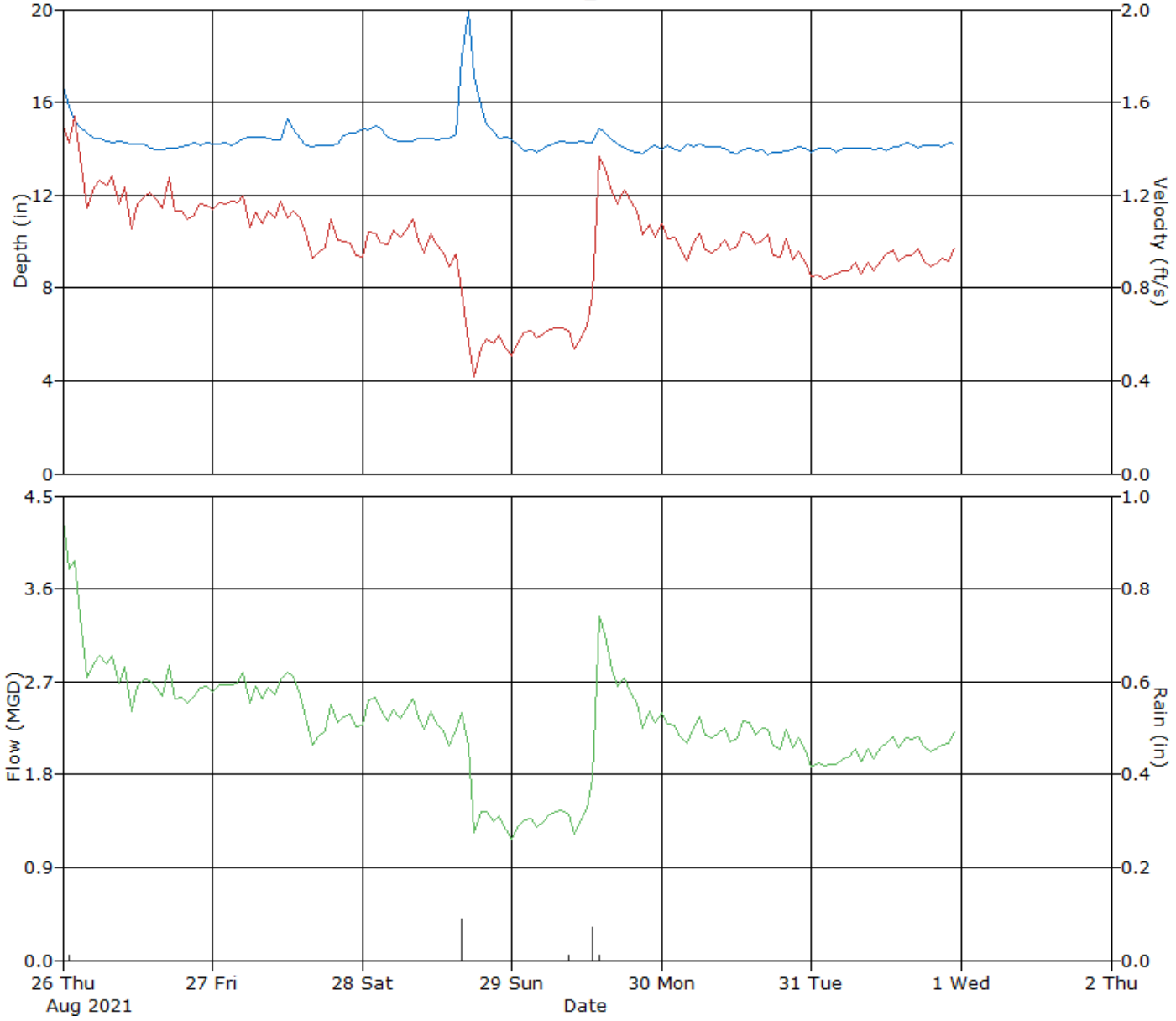


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S1100130, Pipe Height: 59.75 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021	16:55	14.36	15:25	15.10	14.48	14:50	0.64	15:10	1.17	0.85	14:50	1.512	15:25	2.918	1.987	265635	
04/07/2021	02:40	14.42	16:00	14.57	14.49	03:10	0.69	13:10	1.07	0.87	03:10	1.617	13:10	2.515	2.040	272752	
04/08/2021	05:50	14.52	16:00	23.92	16.34	14:15	0.37	15:30	1.91	0.97	11:35	1.237	15:30	5.739	2.604	348048	0.22
04/09/2021	23:40	14.56	00:00	15.08	14.70	21:25	0.82	00:50	1.25	1.04	21:25	1.934	00:50	3.093	2.491	333050	
04/10/2021	06:10	14.52	18:50	26.58	16.11	15:35	0.39	16:10	1.96	1.08	15:35	1.212	16:10	6.202	2.935	392335	0.58
04/11/2021	23:55	14.88	00:00	15.58	15.06	04:20	1.01	00:00	1.42	1.18	04:20	2.520	00:00	3.699	2.930	391706	
04/12/2021	23:55	14.75	08:40	14.99	14.88	17:00	0.87	03:25	1.23	1.10	17:00	2.121	03:25	3.000	2.681	358417	0.02
04/13/2021	22:10	14.55	03:10	14.77	14.67	15:55	0.78	00:40	1.17	0.99	15:55	1.849	00:40	2.827	2.361	315604	
04/14/2021	23:05	14.50	11:00	14.61	14.55	11:25	0.77	00:30	1.11	0.94	09:15	1.837	00:30	2.639	2.210	295424	
04/15/2021	04:15	14.45	12:10	14.57	14.51	12:45	0.73	11:35	1.10	0.94	12:45	1.731	11:35	2.590	2.218	296444	
04/16/2021	23:55	14.47	15:40	14.56	14.51	09:10	0.70	06:25	1.08	0.90	09:10	1.653	06:25	2.545	2.119	283320	
04/17/2021	04:05	14.42	10:45	14.56	14.49	06:55	0.68	18:55	1.07	0.85	21:00	1.601	18:55	2.520	1.992	266284	
04/18/2021	03:50	14.42	09:30	14.55	14.48	06:45	0.67	11:10	1.08	0.82	06:45	1.554	11:10	2.534	1.923	257095	
04/19/2021	23:55	14.44	01:55	14.54	14.50	23:40	0.68	02:50	1.10	0.86	23:40	1.582	02:50	2.598	2.028	271166	
04/20/2021	21:05	14.37	14:45	14.49	14.42	10:45	0.54	15:50	1.06	0.81	10:45	1.252	15:50	2.480	1.887	252191	
04/21/2021	03:15	14.33	12:20	14.52	14.40	10:05	0.52	14:45	1.07	0.76	10:05	1.222	14:45	2.518	1.774	237212	0.02
04/22/2021	06:25	14.29	15:35	14.53	14.40	04:35	0.40	23:40	1.08	0.70	04:35	0.926	23:40	2.516	1.624	217152	
04/23/2021	17:00	14.37	09:20	14.49	14.42	10:25	0.42	02:10	1.06	0.77	10:25	0.971	02:10	2.480	1.795	239930	
04/24/2021	23:20	14.37	20:30	14.46	14.41	16:10	0.40	04:45	1.05	0.71	16:10	0.936	04:45	2.432	1.656	221329	
04/25/2021	20:30	14.31	08:30	14.42	14.37	19:40	0.41	00:30	1.05	0.71	19:40	0.960	00:30	2.444	1.655	221235	
04/26/2021	02:55	14.32	16:10	14.50	14.40	22:00	0.44	16:55	1.08	0.72	22:00	1.024	16:55	2.525	1.682	224815	
04/27/2021	19:25	14.33	16:25	14.51	14.42	18:20	0.42	16:40	1.08	0.75	18:20	0.970	16:40	2.526	1.752	234204	
04/28/2021	20:30	14.33	23:55	14.60	14.37	09:40	0.40	10:10	1.06	0.77	09:40	0.923	10:10	2.461	1.778	237622	0.03
04/29/2021	20:30	14.42	10:00	15.10	14.64	15:20	0.48	10:00	1.19	0.87	15:20	1.140	10:00	2.970	2.069	276616	0.07
04/30/2021	23:15	14.28	01:25	14.49	14.38	09:00	0.48	20:45	1.01	0.74	09:00	1.129	01:00	2.336	1.712	228846	
05/01/2021	05:20	14.28	16:00	14.52	14.38	16:00	0.50	11:10	1.05	0.76	16:00	1.189	11:10	2.443	1.768	236373	
05/02/2021	04:00	14.30	12:55	14.51	14.41	08:00	0.40	21:20	1.08	0.73	08:00	0.925	21:20	2.535	1.692	226186	
05/03/2021	00:20	14.38	21:55	15.92	14.73	01:55	0.45	21:40	1.55	0.95	01:55	1.053	21:40	4.136	2.294	306652	0.11
05/04/2021	23:50	14.65	00:00	15.31	14.76	15:55	0.51	00:25	1.34	0.79	15:55	1.228	00:25	3.364	1.897	253640	0.01
05/05/2021	06:10	14.60	10:05	14.75	14.65	21:40	0.43	11:35	1.06	0.70	21:40	1.016	11:35	2.536	1.676	224050	
05/06/2021	23:10	14.36	11:25	14.95	14.58	05:25	0.45	11:40	1.19	0.81	05:25	1.071	11:40	2.891	1.920	256693	0.05
05/07/2021	23:30	14.28	16:35	14.46	14.37	07:20	0.43	04:25	1.08	0.67	07:20	0.995	04:25	2.503	1.550	207192	
05/08/2021	04:00	14.26	12:30	14.42	14.35	08:35	0.30	17:10	1.10	0.64	08:35	0.693	17:10	2.548	1.491	199373	
05/09/2021	02:10	14.34	10:45	15.12	14.51	16:45	0.42	08:40	2.32	0.94	16:45	0.987	08:40	5.402	2.225	297492	0.05
05/10/2021	23:15	14.16	10:10	14.40	14.29	22:25	0.41	08:10	1.10	0.66	22:25	0.923	08:10	2.546	1.512	202149	
05/11/2021	05:20	14.09	13:35	14.27	14.18	18:05	0.41	12:10	1.18	0.65	18:05	0.934	12:10	2.702	1.471	196612	
05/12/2021	06:05	14.06	09:30	14.28	14.17	15:50	0.34	19:35	1.18	0.67	15:50	0.774	19:35	2.693	1.517	202757	
05/13/2021	05:20	14.07	10:10	14.26	14.17	02:05	0.34	11:10	1.12	0.64	02:05	0.775	11:10	2.574	1.455	194476	
05/14/2021	23:50	14.10	10:25	14.22	14.17	22:10	0.33	00:00	1.16	0.65	22:10	0.743	00:00	2.654	1.488	198870	
05/15/2021	07:10	14.10	10:55	14.23	14.16	08:10	0.35	13:15	1.17	0.71	08:10	0.792	13:15	2.668	1.621	216738	0.01
05/16/2021	06:25	14.09	10:20	14.19	14.13	15:40	0.29	11:05	1.17	0.64	15:40	0.647	11:05	2.648	1.455	194537	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	05:10	14.09	10:10	14.21	14.15	19:50	0.34	19:20	1.17	0.74	19:50	0.779	19:20	2.649	1.681	224689	
05/18/2021	03:05	14.13	20:50	15.57	14.40	17:40	0.29	19:00	2.30	0.93	17:40	0.655	22:35	5.483	2.200	294116	0.09
05/19/2021	23:40	14.29	11:00	18.72	14.92	12:25	0.26	12:35	1.18	0.81	12:25	0.744	12:35	3.282	1.971	263487	0.10
05/20/2021	22:35	14.10	15:40	14.43	14.27	01:10	0.46	05:25	1.10	0.77	01:10	1.066	05:25	2.538	1.765	235999	
05/21/2021	21:00	14.03	15:35	14.19	14.13	09:40	0.28	04:40	1.17	0.76	09:40	0.642	04:40	2.654	1.716	229409	
05/22/2021	13:30	13.94	09:55	14.20	14.06	21:25	0.36	03:00	1.18	0.74	21:25	0.798	03:00	2.661	1.668	223014	
05/23/2021	12:45	13.86	21:30	17.45	14.28	21:20	0.35	22:10	1.16	0.74	19:45	0.851	22:10	3.345	1.711	228747	0.10
05/24/2021	14:10	13.99	00:00	15.21	14.23	12:20	0.32	23:35	1.14	0.76	12:20	0.709	23:35	2.634	1.751	234138	
05/25/2021	21:25	13.94	00:50	14.36	14.10	16:00	0.35	22:05	1.42	0.76	16:00	0.793	22:05	3.170	1.715	229298	
05/26/2021	00:40	14.02	01:50	46.07	17.05	01:05	0.35	01:55	1.95	1.02	00:55	0.979	01:55	19.909	3.099	414218	1.46
05/27/2021	01:05	14.01	18:10	14.36	14.11	01:15	0.51	16:20	1.88	0.91	01:15	1.140	16:20	4.255	2.055	274700	0.03
05/28/2021	00:50	13.99	05:30	18.35	14.87	05:15	0.37	04:25	2.28	1.11	04:35	1.029	04:25	5.221	2.686	359029	0.23
05/29/2021	01:25	14.14	17:05	14.54	14.34	12:55	0.70	03:55	1.21	0.86	12:55	1.609	03:55	2.803	1.995	266702	
05/30/2021	13:50	14.18	21:00	14.66	14.37	17:05	0.43	03:20	1.19	0.75	17:05	1.018	03:20	2.737	1.748	233654	
05/31/2021	00:30	14.42	11:30	14.86	14.66	06:45	0.50	19:05	1.18	0.73	06:45	1.201	19:05	2.820	1.746	233368	
06/01/2021	00:05	14.64	15:45	14.90	14.79	19:00	0.35	19:55	1.19	0.69	19:00	0.859	19:55	2.893	1.658	221594	
06/02/2021	02:35	14.85	14:00	15.02	14.92	02:45	0.37	09:25	1.18	0.63	02:45	0.893	09:25	2.895	1.535	205249	
06/03/2021	22:50	14.43	05:10	15.06	14.82	14:45	0.34	10:05	1.11	0.68	14:45	0.839	10:05	2.726	1.649	220430	
06/04/2021	20:10	14.45	22:50	14.62	14.52	05:35	0.36	10:30	1.19	0.66	05:35	0.851	10:30	2.812	1.546	206622	
06/05/2021	00:00	14.58	23:55	15.36	15.02	21:25	0.40	03:45	1.16	0.74	21:25	1.020	17:55	2.818	1.828	244386	
06/06/2021	22:55	15.19	15:40	15.45	15.31	18:45	0.37	10:20	1.19	0.76	18:45	0.948	10:20	3.030	1.931	258119	
06/07/2021	04:15	14.96	13:05	15.32	15.13	23:15	0.46	01:35	1.40	0.78	23:15	1.155	01:35	3.477	1.957	261594	
06/08/2021	17:20	14.73	07:25	15.33	15.03	03:45	0.49	16:40	1.25	0.80	03:45	1.231	04:00	3.105	1.966	262844	
06/09/2021	21:00	14.58	21:25	14.88	14.73	05:35	0.44	21:20	1.30	0.80	05:35	1.062	21:20	3.168	1.917	256240	
06/10/2021	00:00	14.59	06:40	15.07	14.81	10:20	0.43	04:35	1.30	0.80	10:20	1.028	04:35	3.212	1.947	260306	
06/11/2021	14:05	14.60	07:40	15.10	14.96	19:05	0.46	22:45	1.31	0.82	19:05	1.139	22:45	3.252	2.021	270180	
06/12/2021	23:50	14.62	15:15	39.95	16.16	08:40	0.42	14:40	1.93	0.84	08:40	1.015	15:10	16.310	2.377	317743	0.62
06/13/2021	16:20	14.22	00:00	14.62	14.37	23:40	0.47	03:50	1.16	0.76	23:40	1.087	03:50	2.722	1.770	236660	
06/14/2021	14:10	14.37	09:45	14.57	14.46	14:00	0.43	23:10	1.12	0.71	14:00	1.001	23:10	2.604	1.665	222575	
06/15/2021	19:10	14.39	14:40	14.59	14.46	13:35	0.42	08:00	1.13	0.69	13:35	0.997	08:00	2.659	1.616	215991	
06/16/2021	13:40	14.42	08:50	14.63	14.48	04:50	0.44	02:45	1.17	0.70	04:50	1.026	02:00	2.739	1.651	220757	
06/17/2021	21:30	14.27	11:50	14.54	14.43	18:55	0.42	22:40	1.29	0.67	20:30	0.986	22:40	2.987	1.566	209298	
06/18/2021	00:15	14.38	05:05	29.96	15.94	07:10	0.43	04:15	1.81	0.83	04:50	1.120	05:10	6.392	2.237	299021	0.38
06/19/2021	16:35	14.55	00:40	14.96	14.73	06:35	0.53	12:30	0.98	0.72	12:05	1.277	12:30	2.339	1.717	229573	
06/20/2021	12:05	14.56	23:35	82.60	16.22	15:00	0.44	23:30	5.55	0.88	15:00	1.041	23:30	69.533	3.184	425623	1.78
06/21/2021	22:50	14.74	00:00	49.69	17.06	02:35	0.71	00:05	1.84	1.22	12:35	2.136	00:05	19.483	3.701	494723	0.03
06/22/2021	19:15	14.57	23:40	14.92	14.69	20:15	0.70	00:35	1.54	0.97	20:15	1.666	00:35	3.713	2.324	310658	
06/23/2021	00:05	14.91	07:30	15.13	15.02	03:35	0.72	11:10	1.23	0.91	03:35	1.769	11:10	3.056	2.256	301539	
06/24/2021	23:55	14.59	15:55	22.15	15.82	15:00	0.41	13:25	1.73	0.89	15:00	1.405	13:50	4.232	2.331	311640	0.31
06/25/2021	03:50	14.32	05:15	40.80	17.86	04:25	0.48	05:05	2.37	1.26	04:25	1.619	05:05	20.718	3.900	521364	0.03
06/26/2021	01:10	14.61	11:50	52.46	21.87	03:40	0.41	11:55	2.48	1.45	03:40	1.294	11:55	26.978	6.370	851509	0.01
06/27/2021	21:10	14.67	00:00	18.85	15.20	23:05	1.16	00:50	1.90	1.56	23:05	2.780	00:10	6.139	3.941	526808	0.02
06/28/2021	15:30	14.42	04:55	15.40	14.69	09:55	1.09	17:05	1.99	1.48	09:55	2.621	05:25	4.867	3.549	474494	0.02
06/29/2021	05:00	14.43	11:00	22.50	15.48	10:35	0.38	07:45	1.93	1.32	08:05	1.190	09:55	5.211	3.354	448344	0.02
06/30/2021	17:55	14.48	19:35	15.04	14.61	21:10	1.11	17:45	2.00	1.42	21:10	2.698	17:45	4.712	3.370	450490	0.02
07/01/2021	07:20	14.33	14:20	14.86	14.63	18:20	0.82	20:35	1.32	1.06	18:20	1.973	20:35	3.138	2.525	337580	0.01
07/02/2021	13:05	14.53	10:00	14.93	14.64	21:55	0.76	19:55	1.49	1.02	21:55	1.797	19:30	3.523	2.427	324400	0.01
07/03/2021	20:20	14.41	10:10	14.69	14.54	04:00	0.74	05:35	1.33	0.94	04:00	1.745	05:35	3.132	2.224	297282	
07/04/2021	19:20	14.29	00:45	14.53	14.40	02:55	0.71	14:50	1.36	0.95	02:55	1.672	14:50	3.155	2.202	294415	
07/05/2021	18:10	14.22	03:30	14.54	14.37	16:50	0.64	17:55	1.10	0.87	16:50	1.472	15:35	2.532	2.021	270190	
07/06/2021	20:55	14.13	04:45	14.37	14.27	09:55	0.57	12:00	1.16	0.86	09:55	1.314	12:00	2.664	1.984	265236	
07/07/2021	14:35	14.07	08:20	14.33	14.16	18:25	0.61	11:45	1.20	0.83	18:25	1.377	11:45	2.731	1.878	250986	
07/08/2021	23:55	14.10	09:20	14.28	14.19	23:55	0.60	03:30	1.28	0.83	23:55	1.344	03:30	2.931	1.894	253129	
07/09/2021	13:35	14.06	23:45	14.37	14.15	06:40	0.55	09:15	1.11	0.77	06:40	1.232	09:15	2.528	1.739	232511	
07/10/2021	12:30	14.00	21:20	21.19	14.73	17:30	0.49	20:05	2.00	0.81	17:30	1.106	20:05	4.500	1.950	260672	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	22:40	14.08	03:10	15.95	14.56	17:35	0.77	02:00	1.97	1.11	17:35	1.743	03:05	4.932	2.636	352378	
07/12/2021	03:05	14.02	21:40	16.07	14.41	01:45	0.62	20:35	2.19	0.96	01:45	1.387	20:35	5.084	2.257	301665	
07/13/2021	08:45	14.24	03:20	15.13	14.51	18:55	0.50	02:50	1.96	0.96	18:55	1.166	02:50	4.886	2.266	302911	
07/14/2021	04:40	13.92	18:45	15.41	14.51	01:40	0.50	06:50	1.15	0.68	01:40	1.153	06:50	2.701	1.597	213472	
07/15/2021	00:25	14.11	23:55	27.18	15.22	03:25	0.50	04:25	2.23	1.08	03:25	1.206	23:55	7.171	2.718	363298	0.37
07/16/2021	23:35	14.54	00:20	34.31	16.43	01:20	0.75	13:20	1.98	1.33	23:55	2.580	00:00	10.389	3.705	495341	0.32
07/17/2021	23:10	14.65	09:55	14.85	14.75	23:35	0.81	04:55	1.30	1.09	23:35	1.920	14:30	3.143	2.612	349198	
07/18/2021	10:25	14.51	07:25	14.90	14.63	16:20	0.66	08:20	1.22	0.93	16:20	1.564	07:40	2.920	2.202	294346	
07/19/2021	16:45	14.21	11:05	14.60	14.51	19:55	0.63	16:55	1.32	0.91	19:55	1.479	16:55	3.030	2.144	286613	
07/20/2021	00:40	14.23	10:40	14.70	14.54	15:50	0.65	21:45	1.24	0.93	15:50	1.531	21:45	2.909	2.197	293676	
07/21/2021	22:40	14.21	14:05	14.66	14.53	15:25	0.51	16:35	1.12	0.92	15:25	1.218	16:35	2.653	2.178	291177	
07/22/2021	02:45	14.05	03:25	16.11	14.39	01:50	0.64	06:55	1.25	0.89	01:50	1.481	06:55	2.877	2.059	275282	
07/23/2021	17:05	14.10	10:40	14.76	14.55	04:20	0.52	07:10	1.12	0.84	04:20	1.210	07:10	2.646	1.991	266139	0.01
07/24/2021	11:45	14.46	17:25	18.78	15.21	17:10	0.50	19:10	1.40	0.91	16:40	1.346	19:10	3.970	2.297	307039	0.08
07/25/2021	06:20	14.66	00:00	14.96	14.76	16:05	0.56	12:35	1.24	0.87	16:05	1.353	12:35	2.971	2.087	278964	
07/26/2021	13:10	14.57	09:25	14.83	14.69	18:15	0.54	07:00	1.07	0.79	18:15	1.292	07:00	2.567	1.893	253100	
07/27/2021	23:00	14.49	14:00	14.81	14.63	13:40	0.59	22:00	1.13	0.82	13:40	1.410	22:00	2.665	1.943	259694	
07/28/2021	00:05	14.50	19:50	14.93	14.70	02:40	0.58	06:55	1.40	0.92	02:40	1.368	06:55	3.329	2.215	296094	0.01
07/29/2021	11:40	14.54	04:20	17.95	15.12	03:20	0.53	03:05	2.14	0.99	03:20	1.503	03:15	5.565	2.478	331249	0.10
07/30/2021	12:35	13.98	01:35	14.79	14.27	11:50	0.66	12:00	1.19	0.89	17:35	1.489	02:15	2.828	2.040	272708	
07/31/2021	15:25	13.90	22:10	14.36	14.16	10:25	0.65	09:15	1.19	0.86	10:25	1.493	09:15	2.721	1.961	262097	
08/01/2021	04:15	14.19	10:10	14.51	14.36	14:50	0.64	04:40	1.13	0.89	00:00	1.493	11:35	2.606	2.067	276267	
08/02/2021	03:25	14.23	08:05	14.42	14.33	07:30	0.61	08:10	1.19	0.88	07:30	1.426	08:10	2.776	2.043	273139	
08/03/2021	20:35	14.14	08:40	14.43	14.29	20:25	0.69	21:20	1.18	0.89	20:25	1.575	21:20	2.688	2.051	274169	
08/04/2021	20:20	14.15	09:50	14.39	14.31	12:25	0.67	14:35	1.21	0.91	12:25	1.546	14:35	2.797	2.099	280601	
08/05/2021	20:35	14.17	02:50	14.35	14.27	15:20	0.68	22:50	1.21	0.90	15:20	1.562	22:50	2.768	2.070	276695	
08/06/2021	22:00	14.03	22:50	17.41	14.55	12:05	0.51	11:45	2.11	0.98	12:05	1.166	11:45	4.838	2.325	310854	0.13
08/07/2021	16:05	13.88	00:00	16.18	14.27	23:35	0.64	00:30	1.63	0.87	23:35	1.442	00:30	4.279	2.010	268700	
08/08/2021	19:00	13.85	14:45	14.27	14.02	08:45	0.59	12:55	1.31	0.84	08:45	1.330	12:55	2.950	1.888	252378	0.01
08/09/2021	00:00	13.93	20:25	40.59	17.47	09:45	0.50	20:30	1.90	0.96	08:35	1.428	20:30	17.168	3.062	409388	1.42
08/10/2021	19:10	14.33	20:05	45.77	16.64	21:30	0.52	20:05	2.25	1.21	22:10	1.841	20:05	23.176	3.502	468090	0.91
08/11/2021	21:40	14.36	12:05	17.63	15.08	05:10	1.00	11:00	1.80	1.26	05:10	2.434	11:45	4.607	3.133	418870	0.08
08/12/2021	16:20	13.56	16:40	14.71	14.16	19:25	1.00	02:35	1.55	1.26	19:25	2.297	02:35	3.513	2.873	384107	
08/13/2021	04:15	13.86	06:20	14.30	14.09	08:00	0.82	10:25	1.28	1.06	08:00	1.883	10:25	2.851	2.385	318782	
08/14/2021	13:55	13.99	23:55	14.61	14.19	20:50	0.60	03:05	1.30	0.93	20:50	1.415	03:05	2.932	2.115	282763	
08/15/2021	00:00	14.60	17:00	14.89	14.76	02:05	0.58	11:55	1.13	0.81	02:05	1.391	11:55	2.740	1.945	260056	
08/16/2021	06:45	14.73	10:15	14.91	14.80	07:20	0.58	08:40	1.10	0.80	07:20	1.398	08:40	2.676	1.934	258530	
08/17/2021	03:00	14.77	16:05	14.91	14.83	08:10	0.60	04:00	1.09	0.82	08:10	1.463	04:00	2.625	1.990	265977	
08/18/2021	17:30	14.56	08:15	15.01	14.77	19:55	0.63	09:05	1.30	0.86	19:55	1.484	09:05	3.117	2.069	276574	
08/19/2021	23:15	14.43	17:25	15.00	14.64	12:10	0.67	23:20	1.13	0.85	02:50	1.600	23:20	2.656	2.030	271335	
08/20/2021	18:30	14.39	09:55	14.85	14.64	15:15	0.62	11:50	1.09	0.83	15:15	1.457	10:20	2.635	1.983	265118	
08/21/2021	22:10	14.51	02:35	14.82	14.65	00:30	0.68	12:50	1.17	0.85	00:30	1.631	12:50	2.776	2.035	272088	
08/22/2021	22:20	14.44	15:25	14.87	14.62	19:30	0.56	13:25	1.23	0.90	19:30	1.323	13:25	2.908	2.133	285164	
08/23/2021	01:30	14.49	11:25	14.84	14.66	17:20	0.55	16:20	1.07	0.81	07:40	1.311	16:20	2.574	1.930	257956	
08/24/2021	01:15	14.42	18:20	52.74	17.63	21:55	0.54	18:20	2.73	0.92	02:45	1.392	18:20	31.935	3.240	433075	1.71
08/25/2021	19:25	14.24	23:55	16.24	14.64	23:25	0.58	22:55	2.13	1.37	23:25	1.422	22:55	5.074	3.246	433905	0.09
08/26/2021	15:50	13.91	00:05	17.03	14.46	18:05	0.89	00:30	1.76	1.22	18:05	1.998	00:30	5.060	2.879	384863	0.01
08/27/2021	15:45	13.94	12:25	15.47	14.40	17:15	0.76	05:05	1.40	1.08	17:15	1.726	05:05	3.225	2.517	336450	
08/28/2021	22:45	14.14	17:25	20.79	15.09	18:35	0.36	16:05	1.65	0.86	18:35	1.030	16:05	3.953	2.093	279816	0.09
08/29/2021	03:45	13.34	14:25	15.26	14.18	10:25	0.44	13:50	1.80	0.84	10:25	1.015	14:25	4.123	1.921	256850	0.09
08/30/2021	19:45	13.16	19:00	14.43	13.99	23:35	0.77	13:50	1.19	0.98	04:15	1.736	13:50	2.649	2.200	294038	
08/31/2021	10:45	13.10	15:45	14.40	14.06	02:00	0.68	23:30	1.17	0.90	02:00	1.540	23:30	2.652	2.031	271354	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			42963950	11.87
Avg	14.77	0.89	2.172	

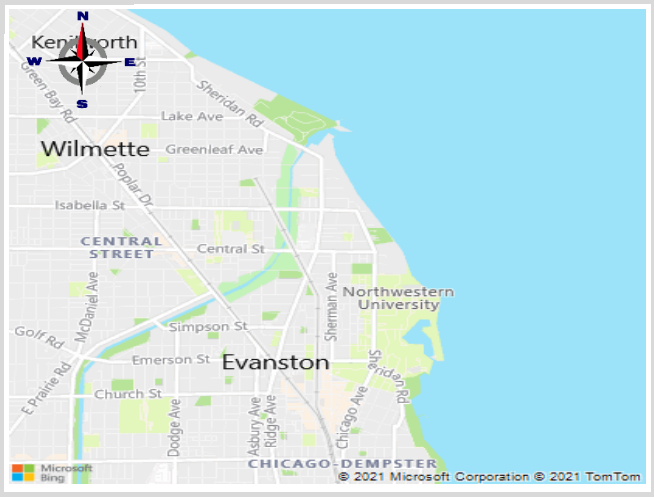
Evanston, IL

Flow Monitoring Site Report

SITE NAME

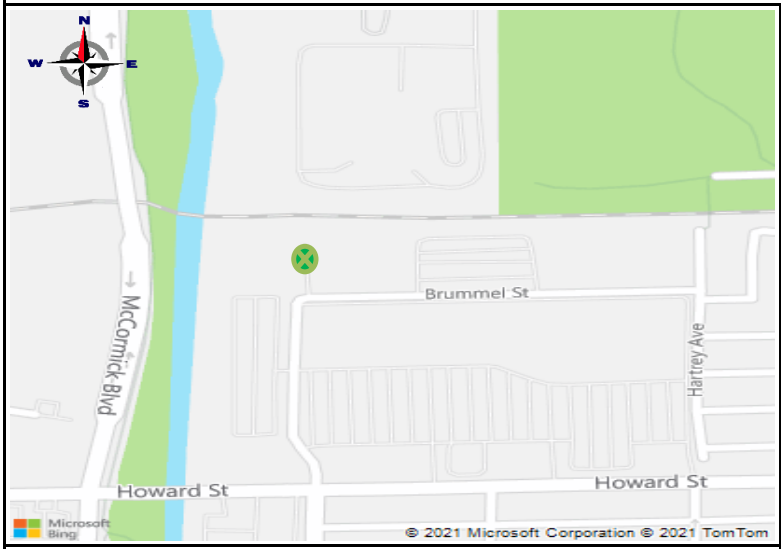
S1300205

Site Address /Location:	2407 Brummel St.			Monitor Series	Location Type
				TRITON+ VZ	Temporary
Site Access Details:	NE corner of parking of Vineyard Christian Church	Latitude:	42.022182	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.70888	72 x 72	Circular



Manhole #	System Characteristics
S13_00205	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, April 01, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
10:36:00 AM	72 x 72
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
22.50	47.50
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0.5	14
Silt (in)	Silt Type
11	Soft / Loose

Hydraulic Comments:

Silt; Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
26	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

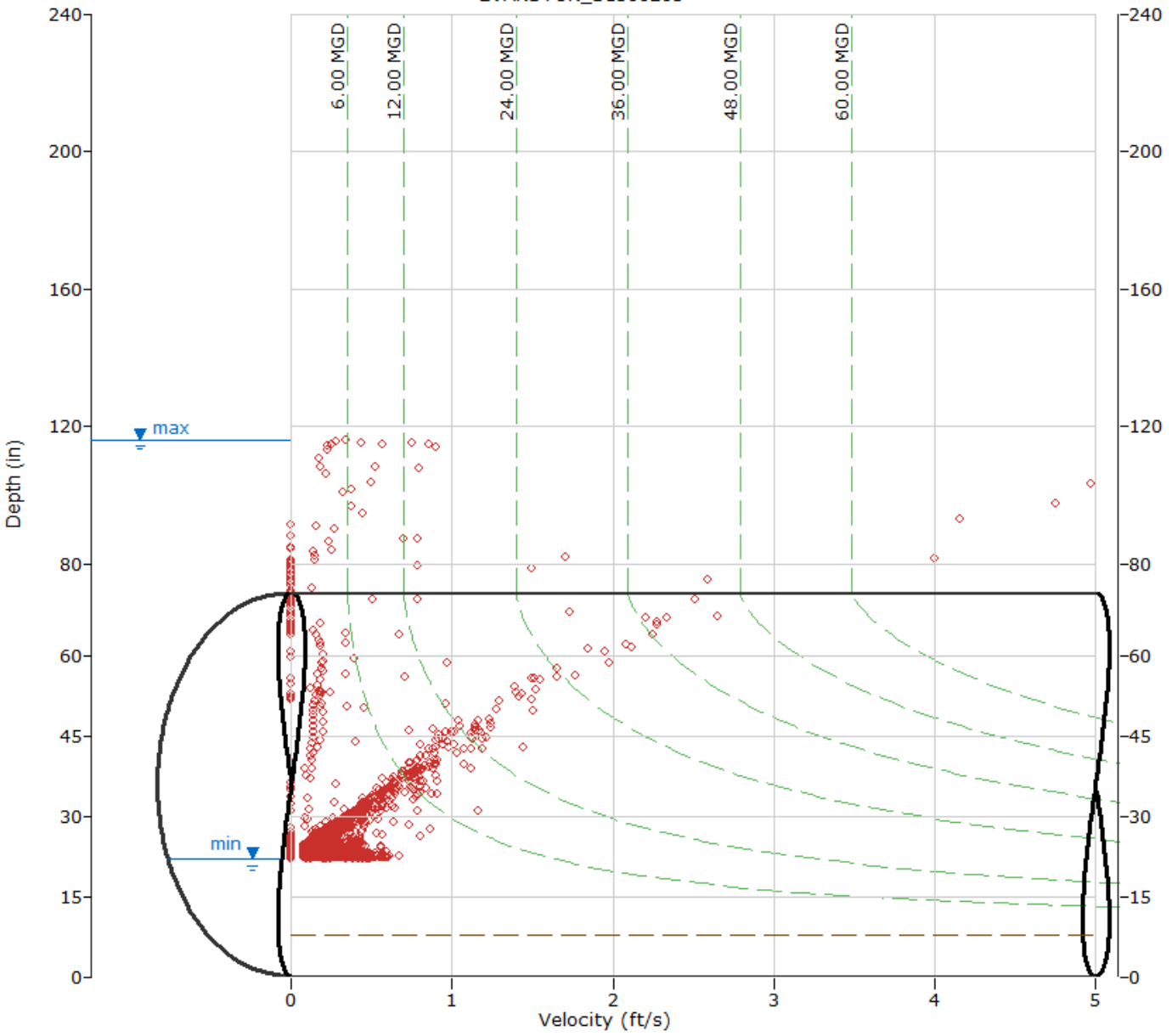
Pipe Height
72.00 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



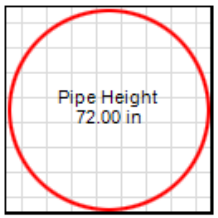
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

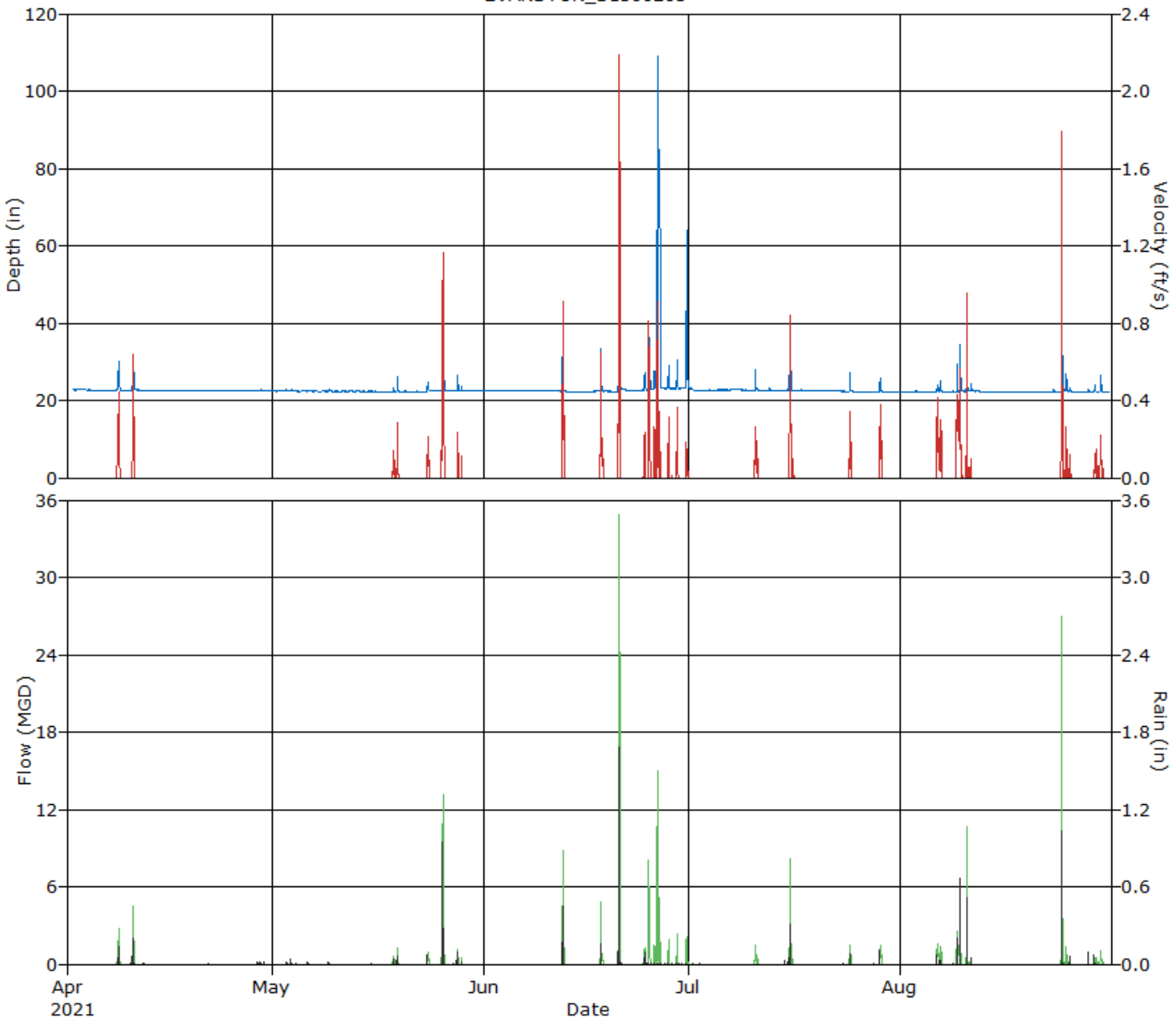


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



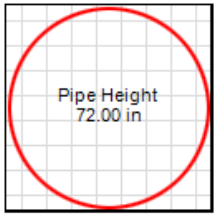
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

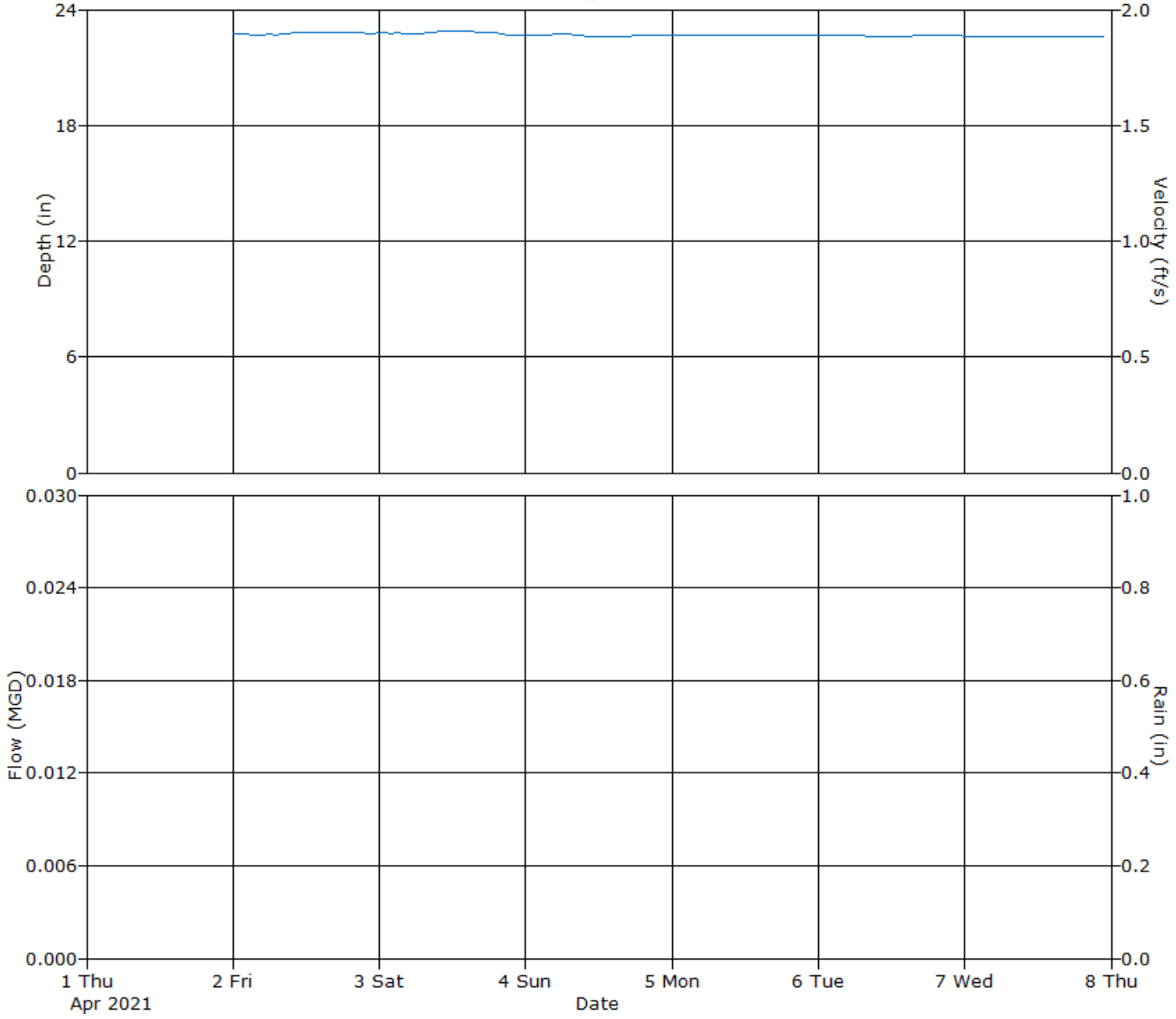


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



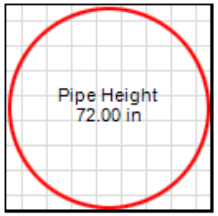
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

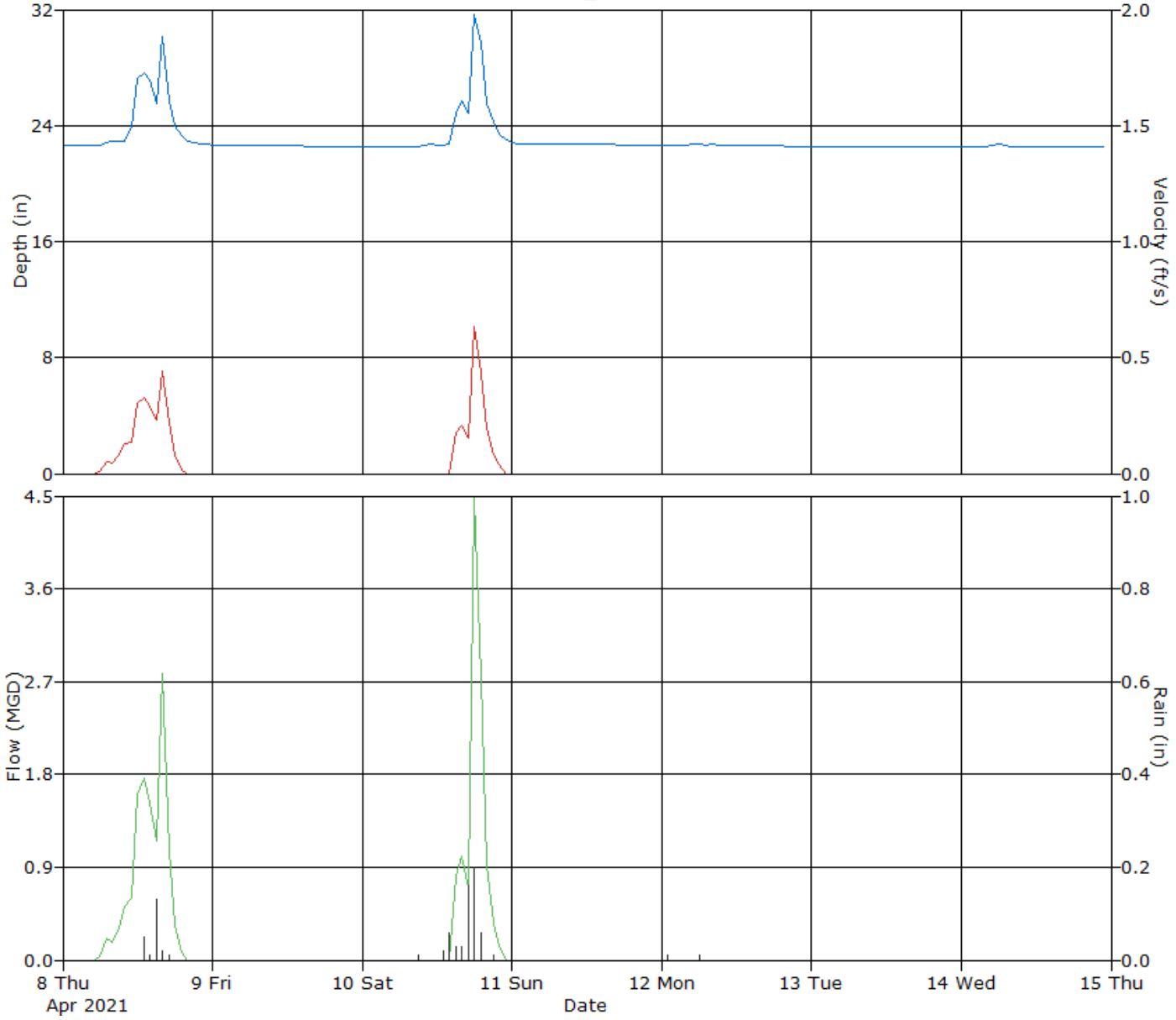


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



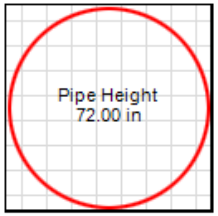
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

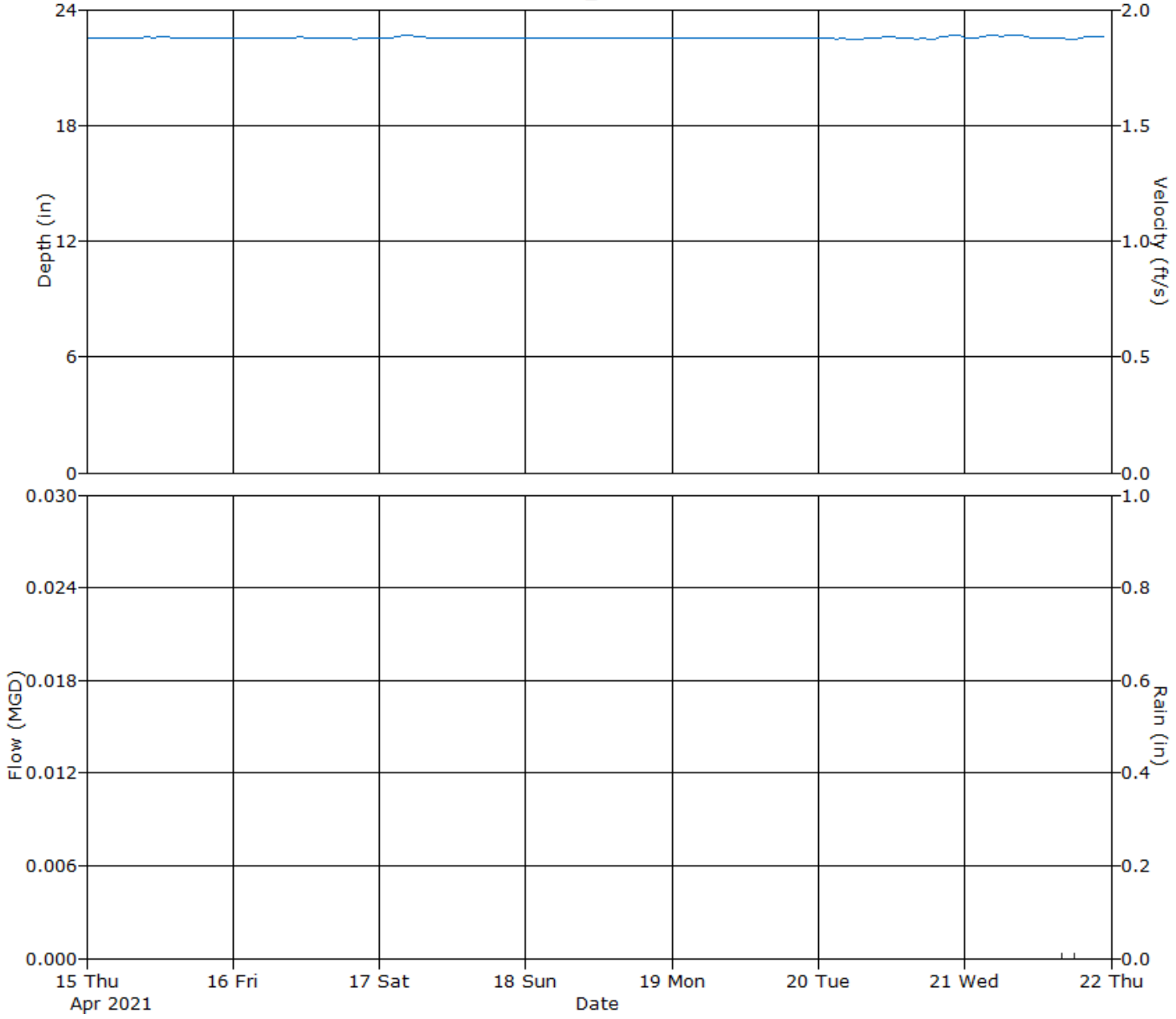


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



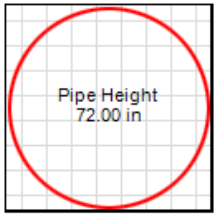
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

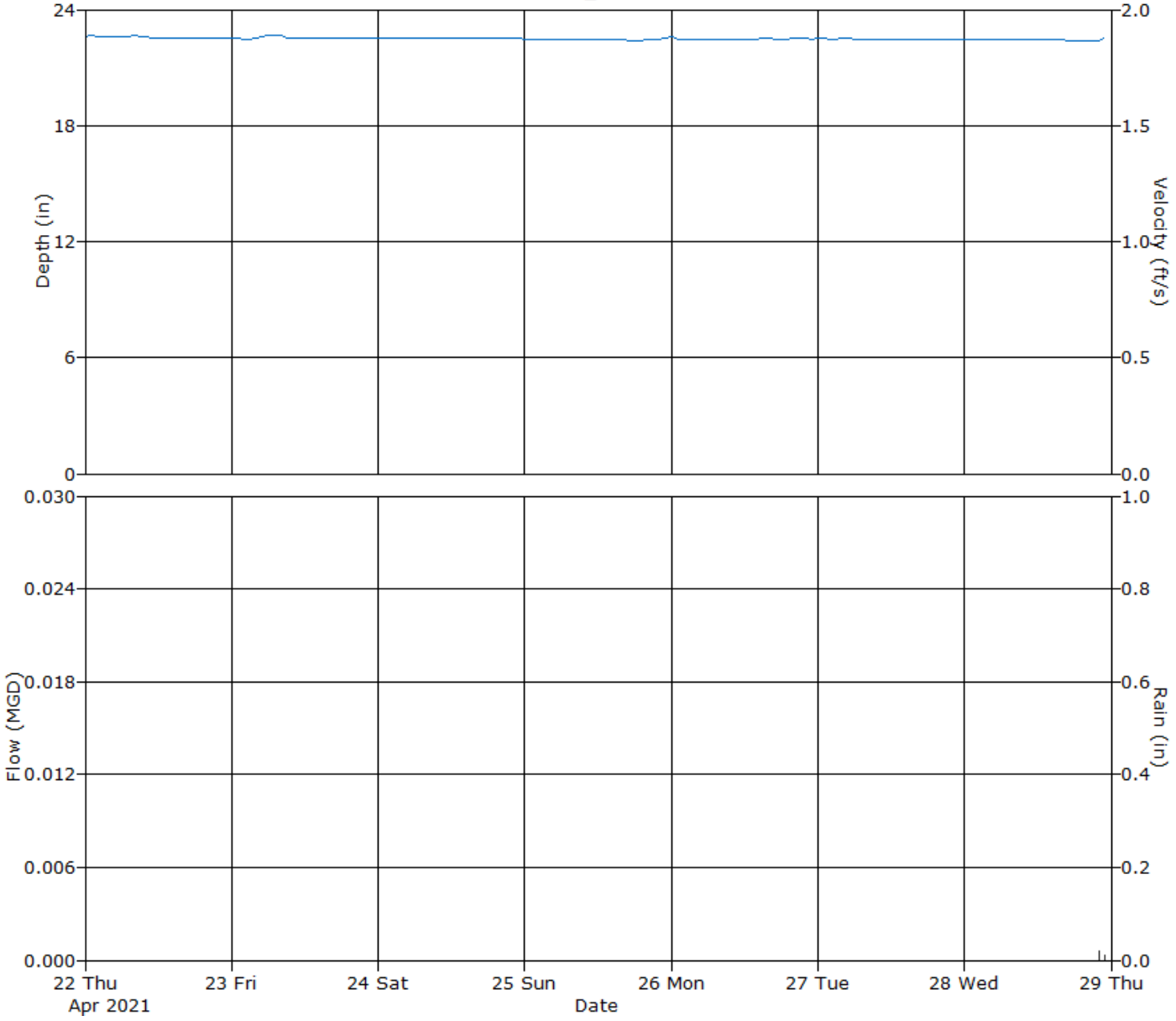


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



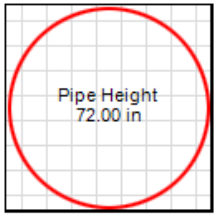
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

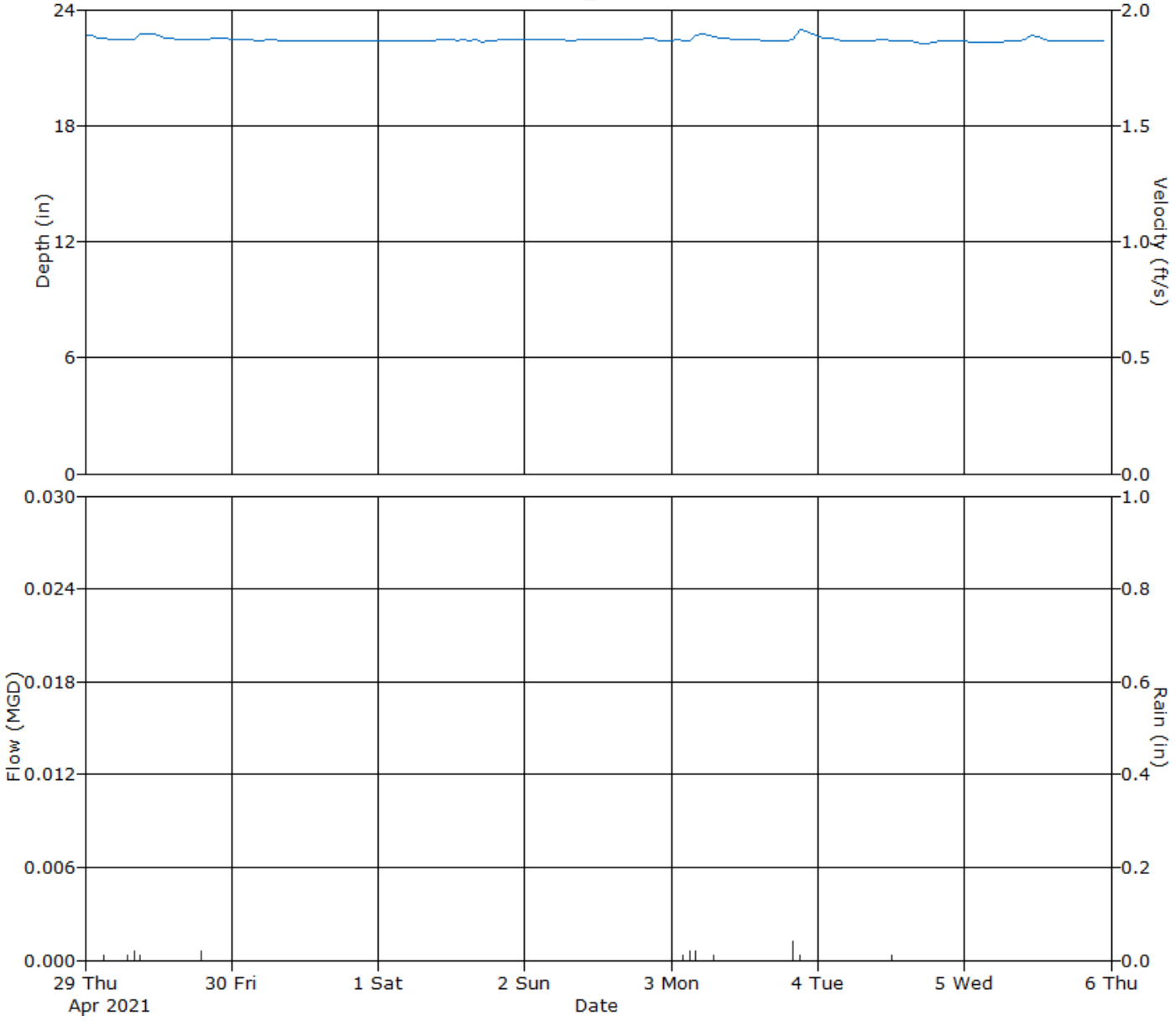


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



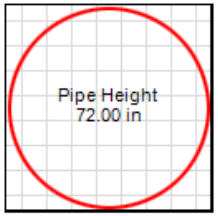
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

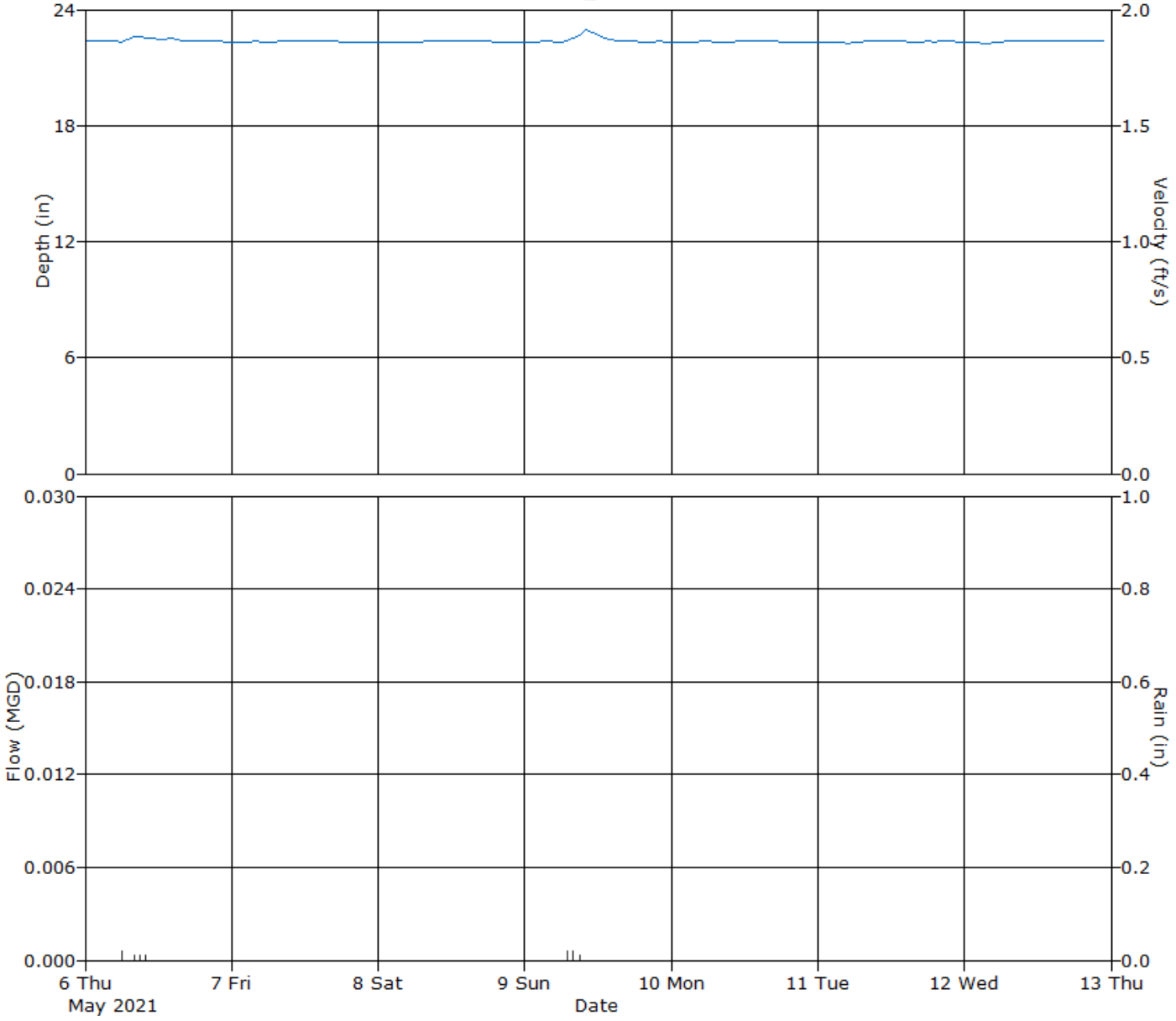


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



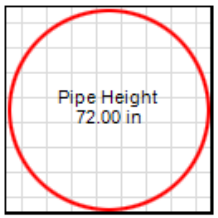
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

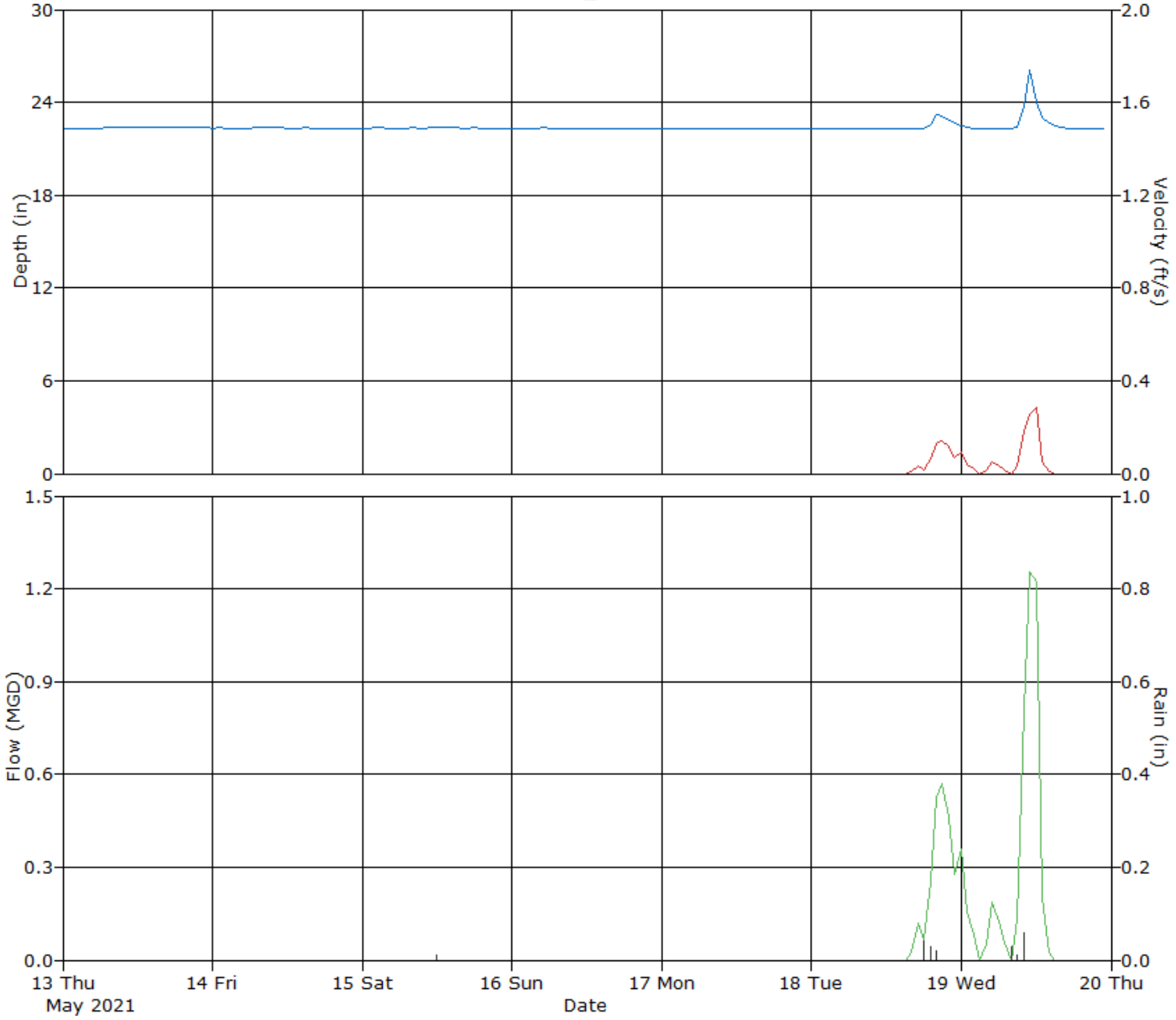


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



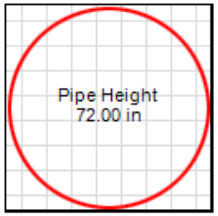
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

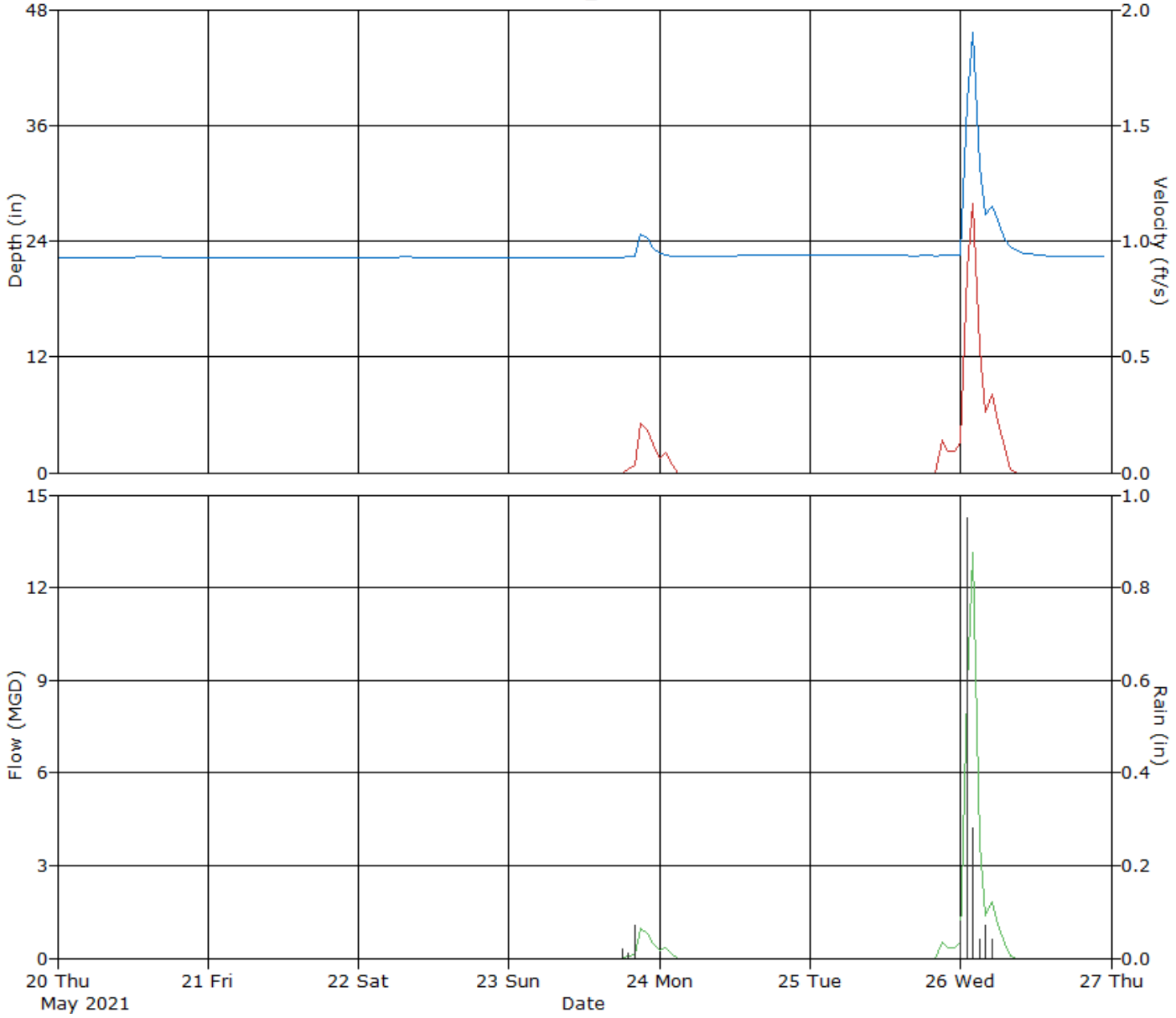


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

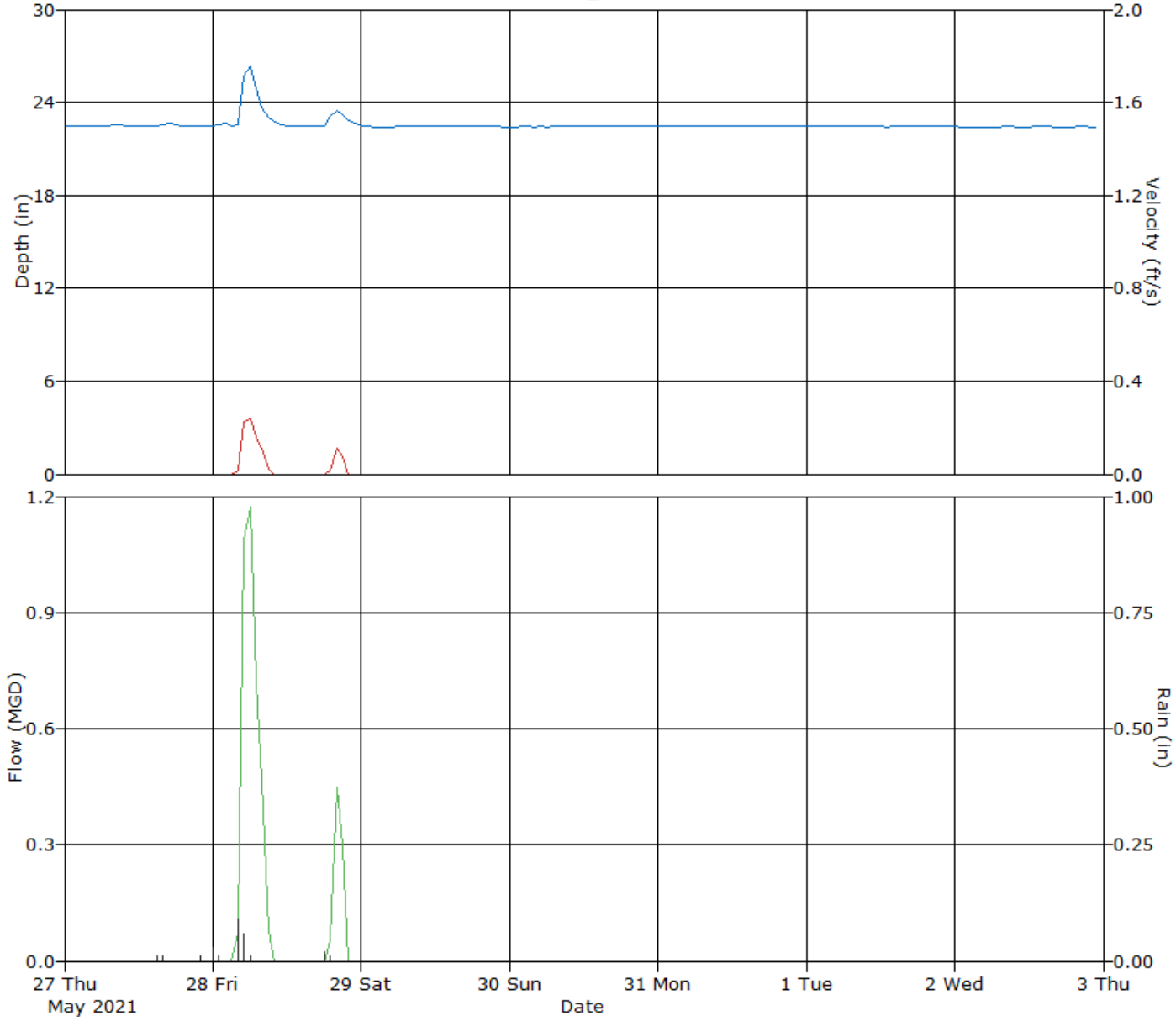
Pipe Height
72.00 in

Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



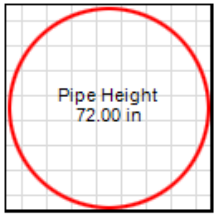
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

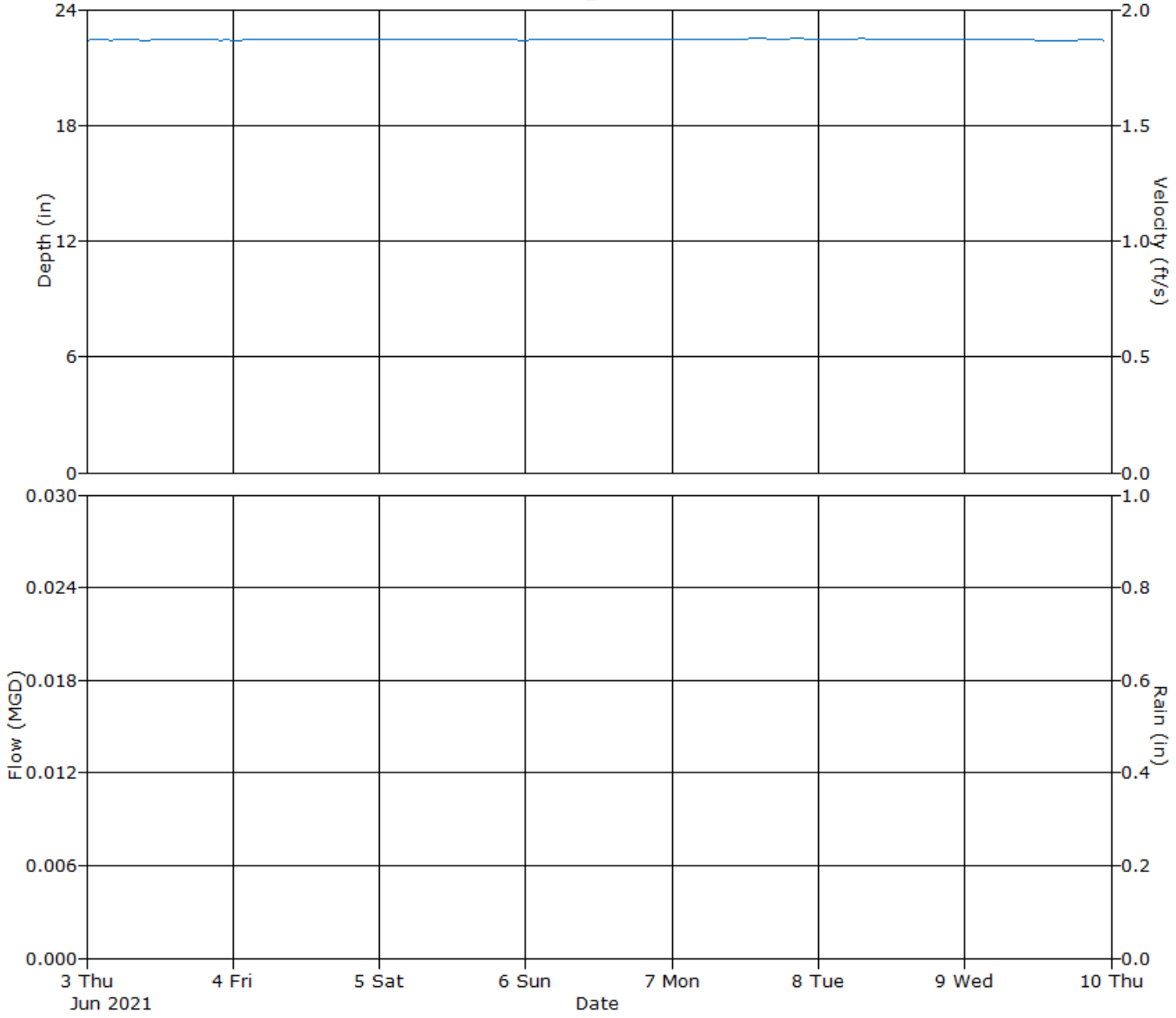


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



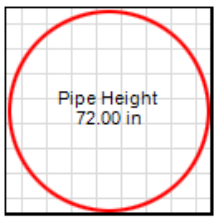
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

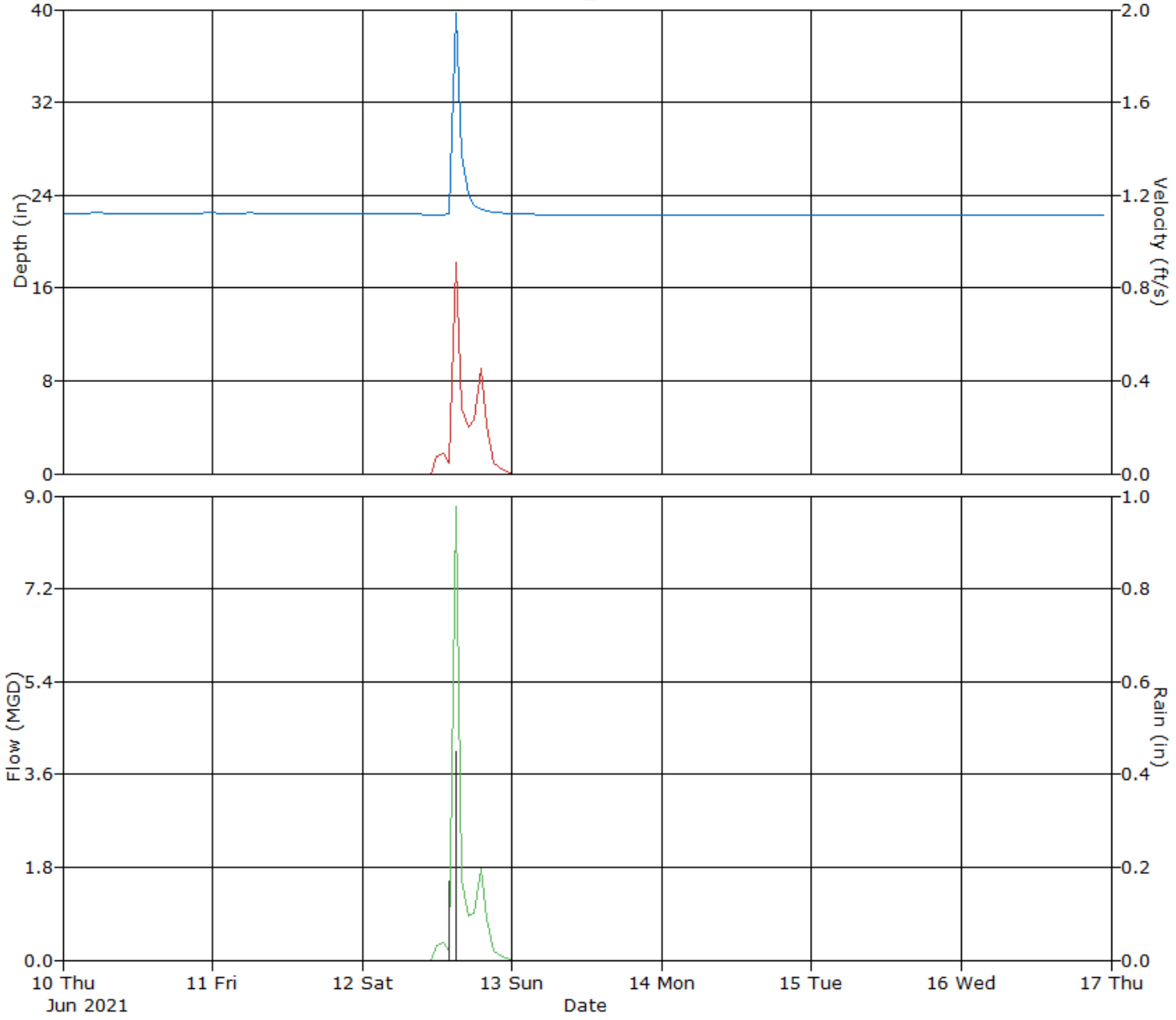


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



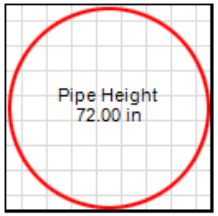
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

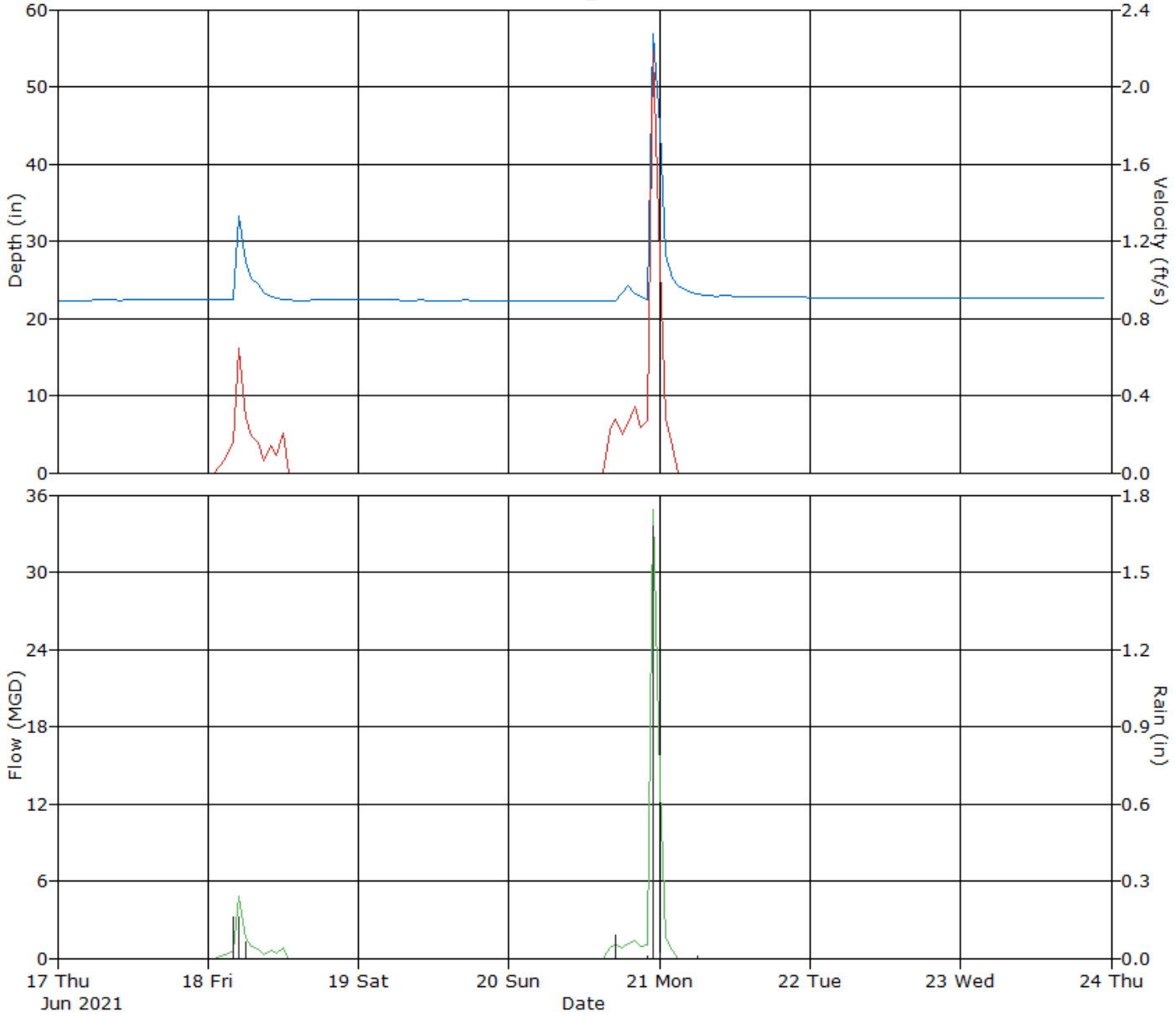


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



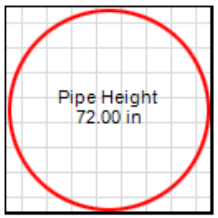
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

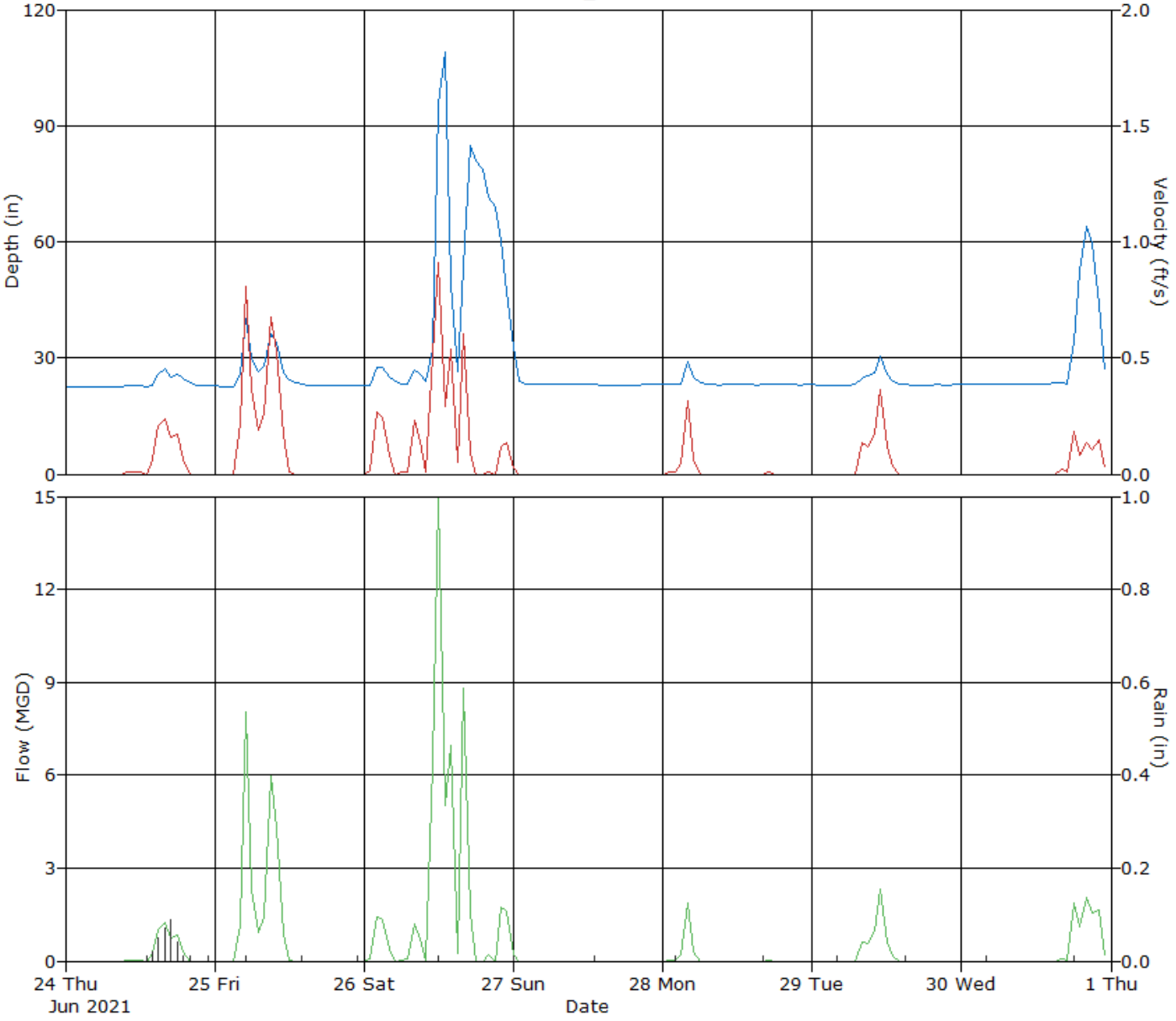


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



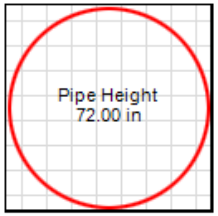
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

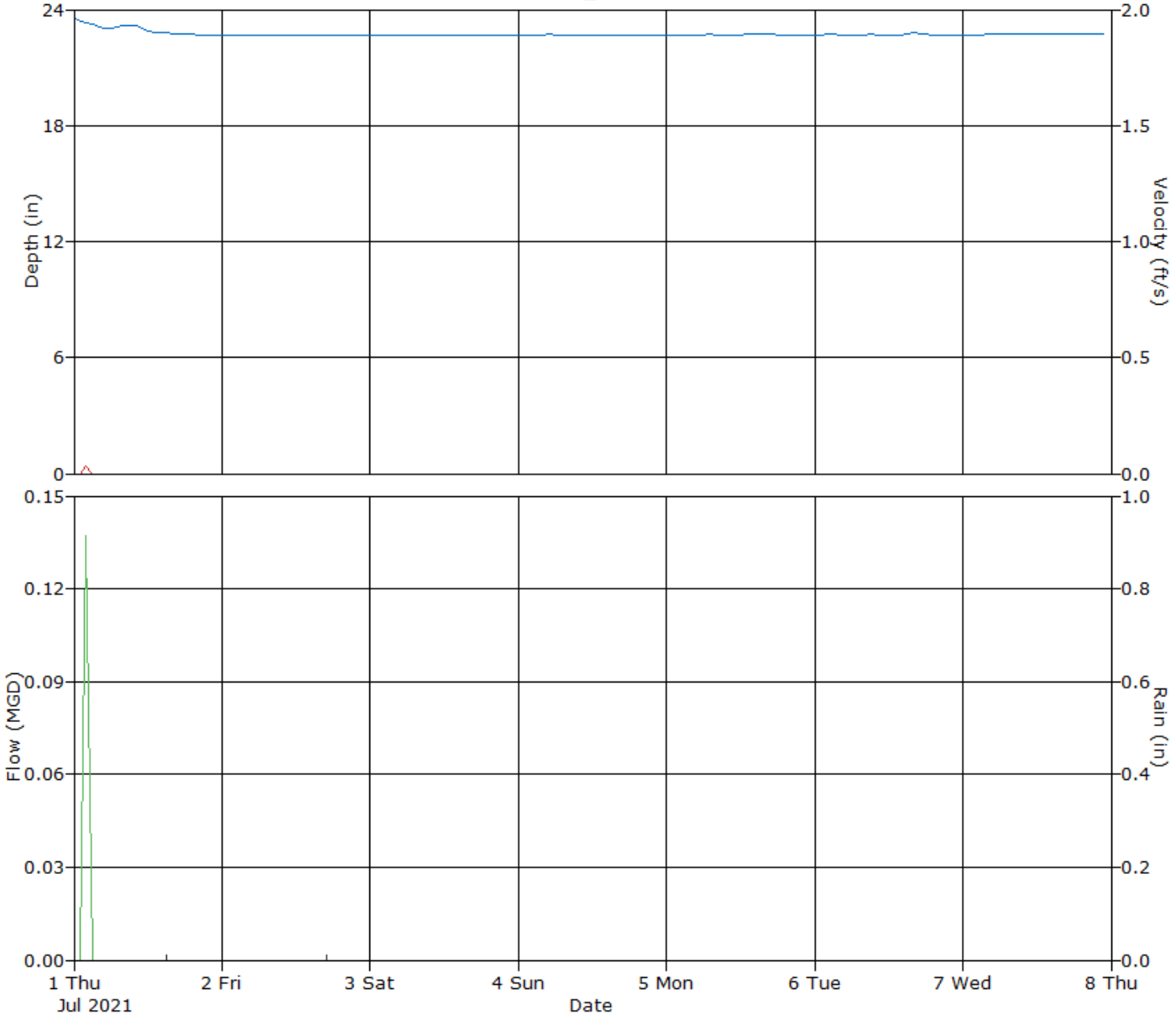


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



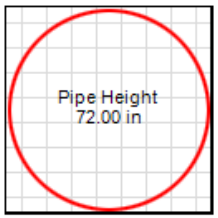
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

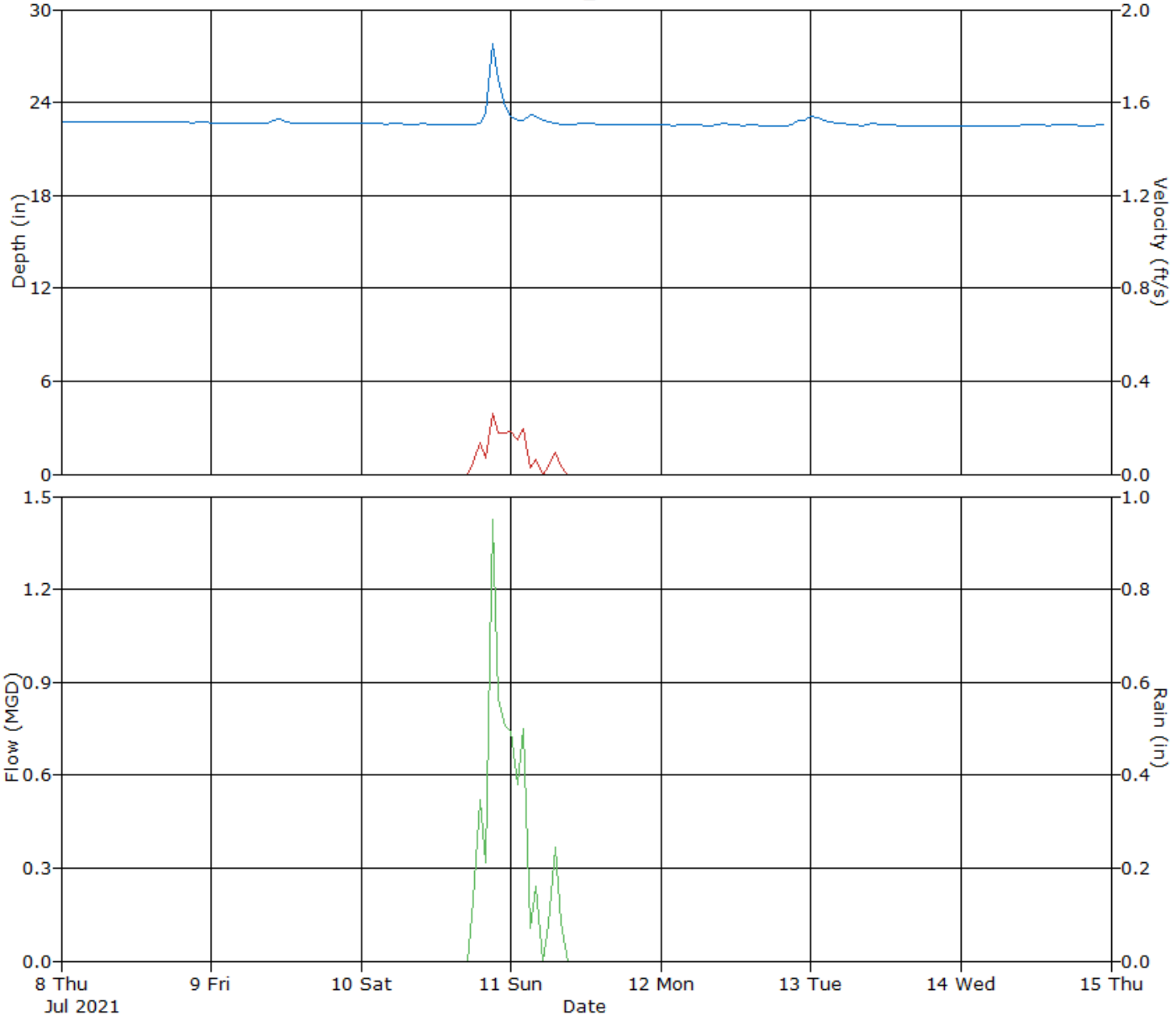


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



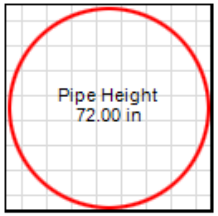
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

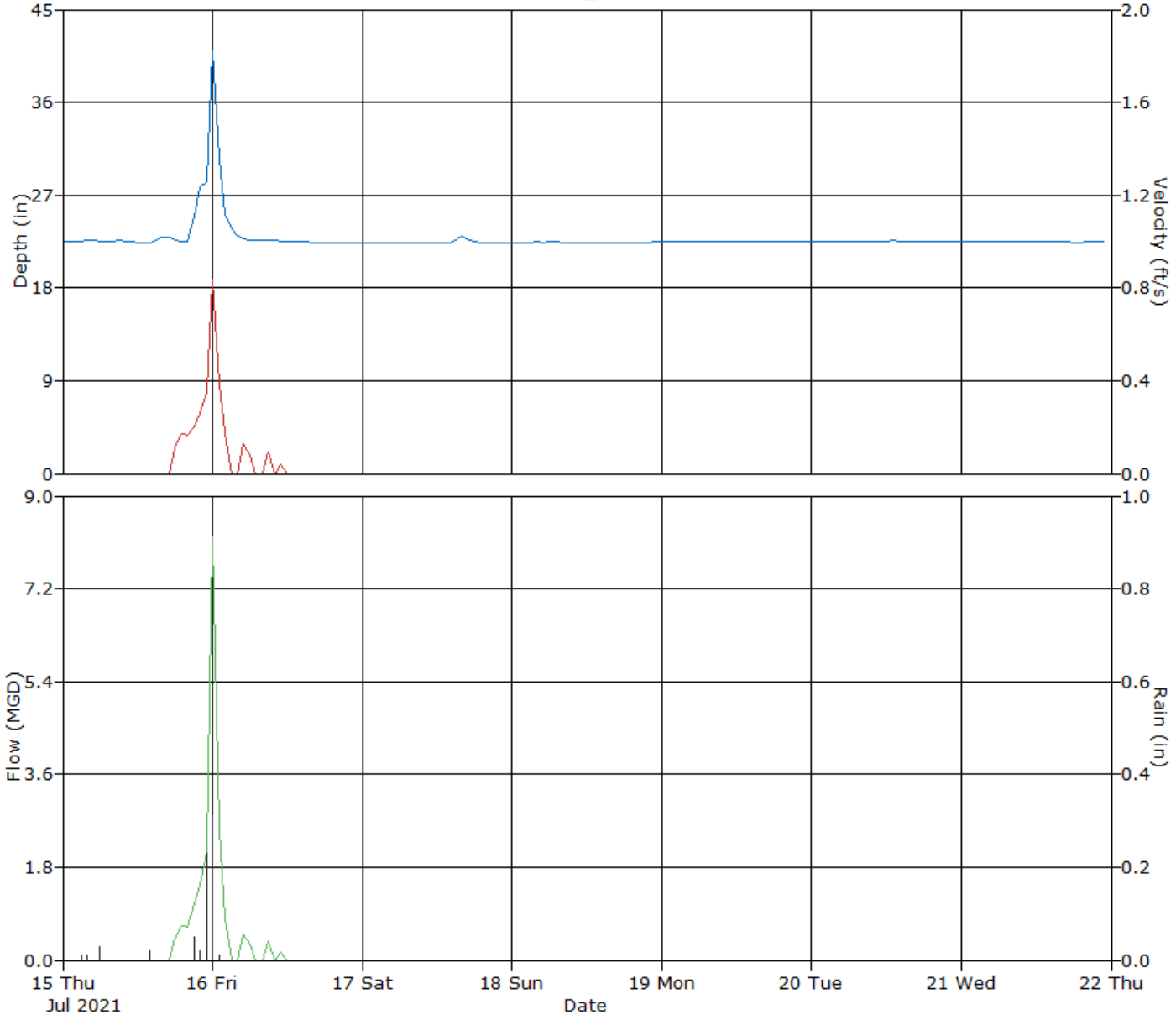


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



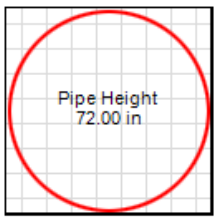
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

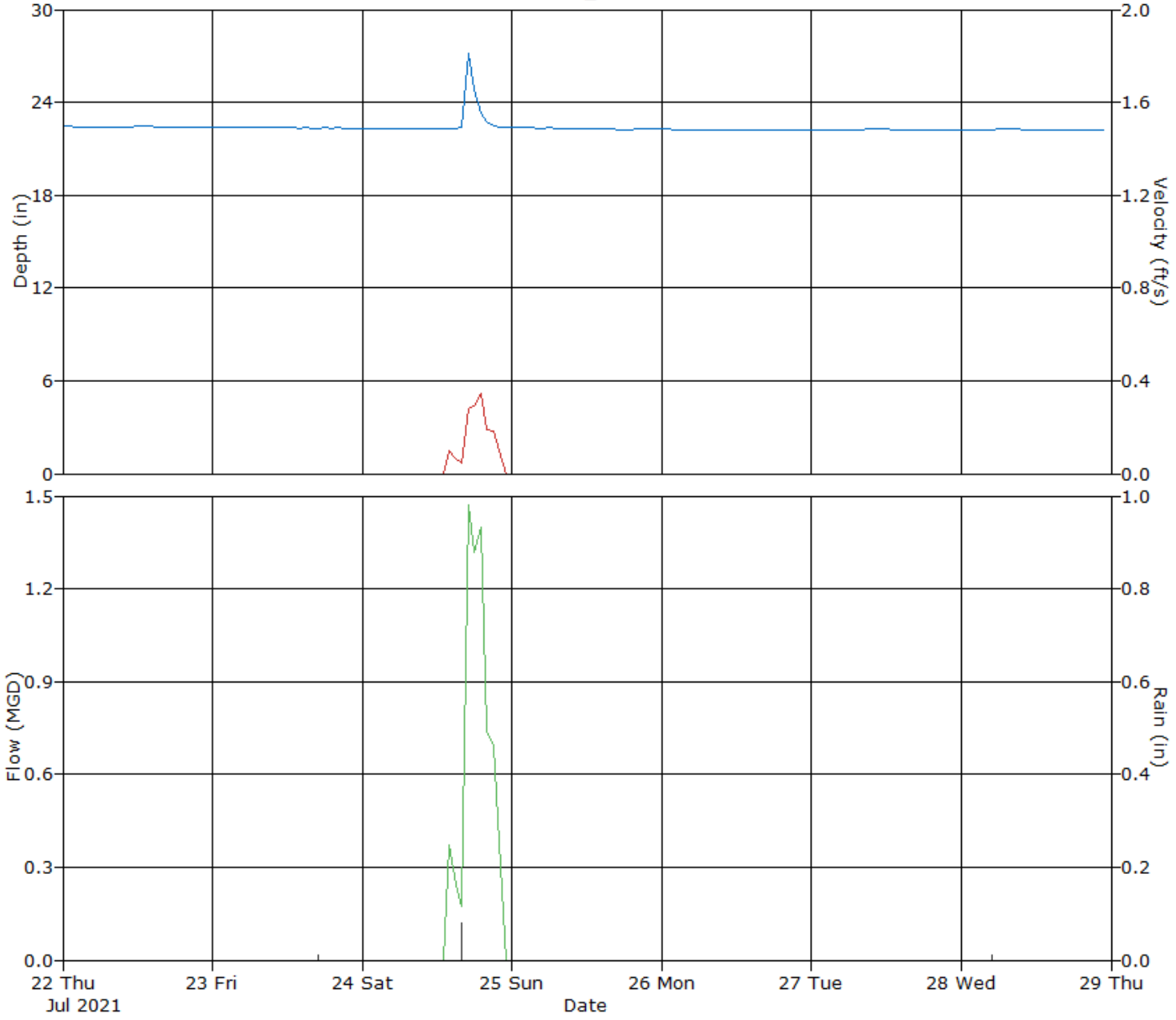


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

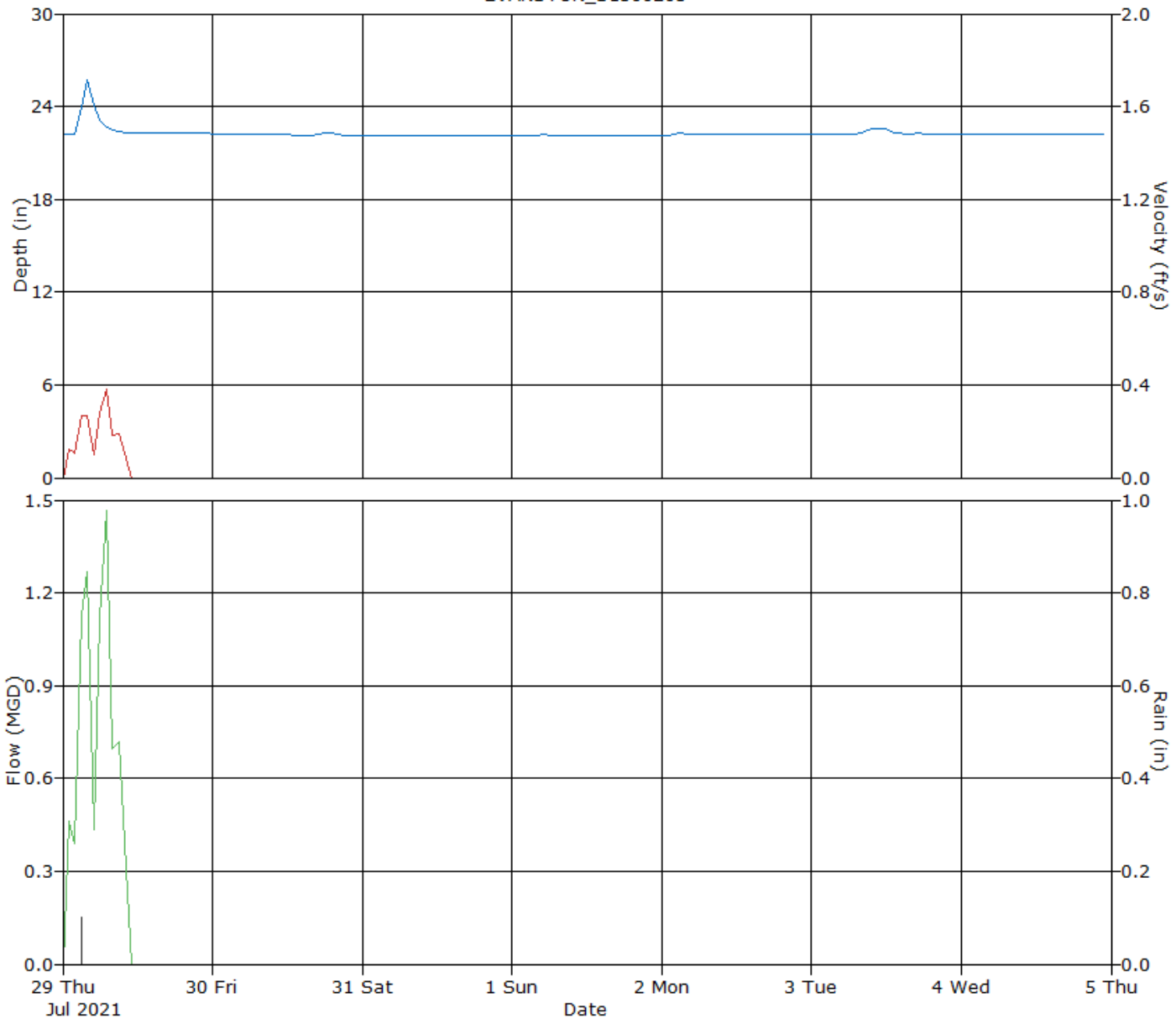
Pipe Height
72.00 in

Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



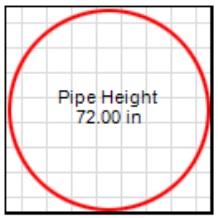
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

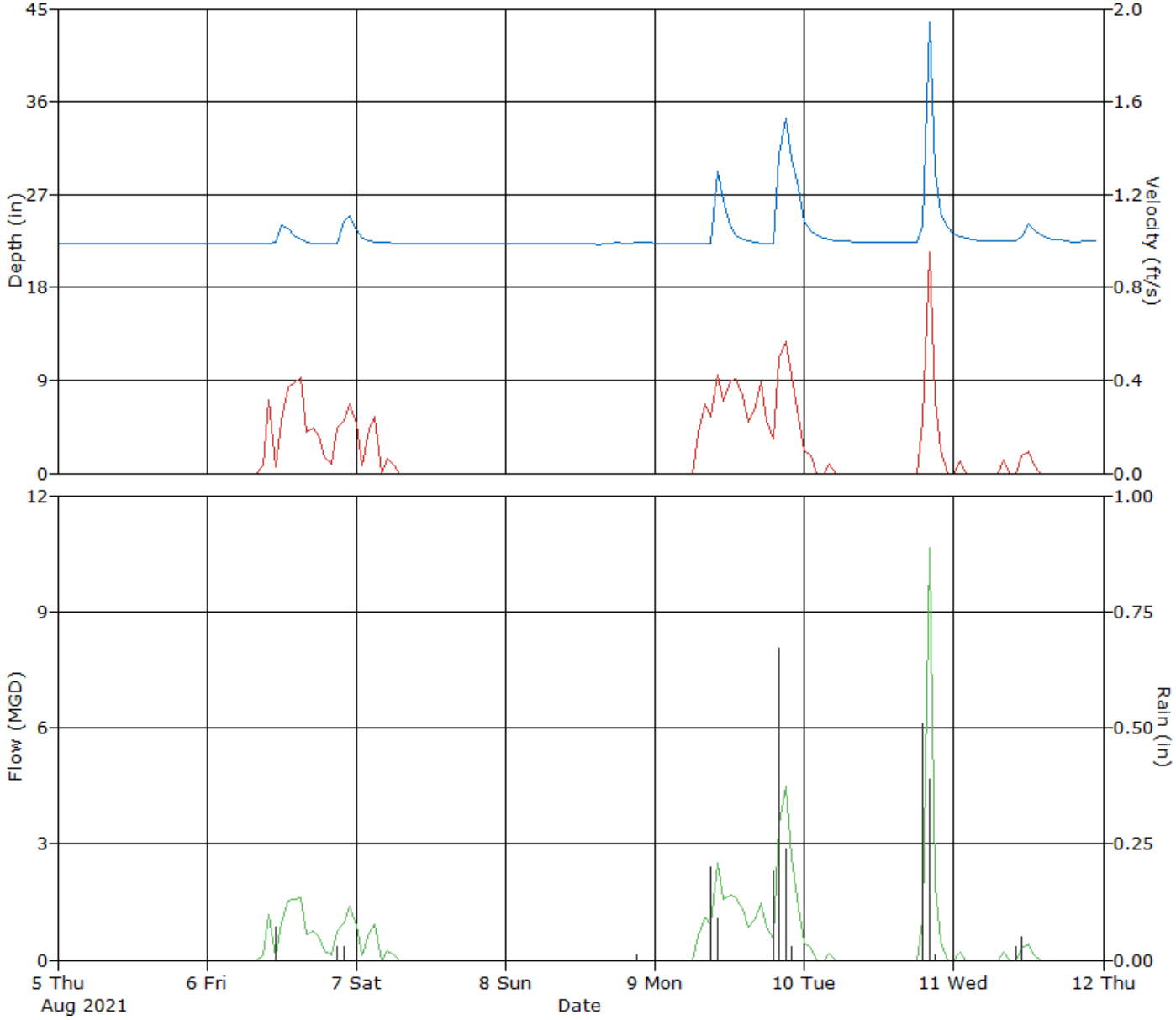


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



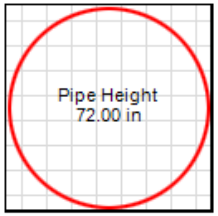
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

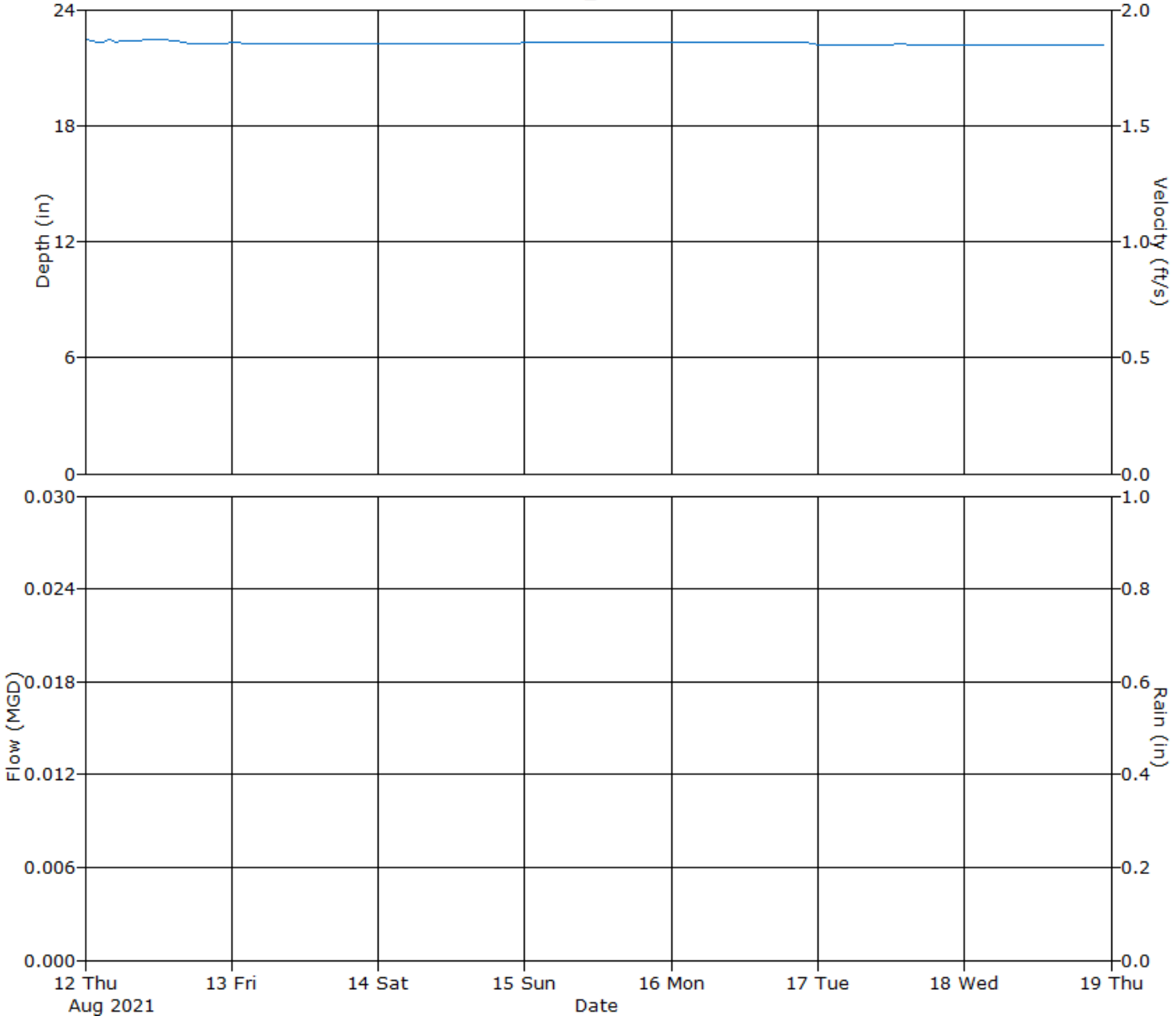


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



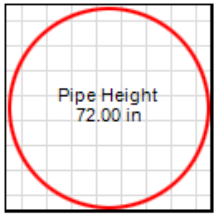
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

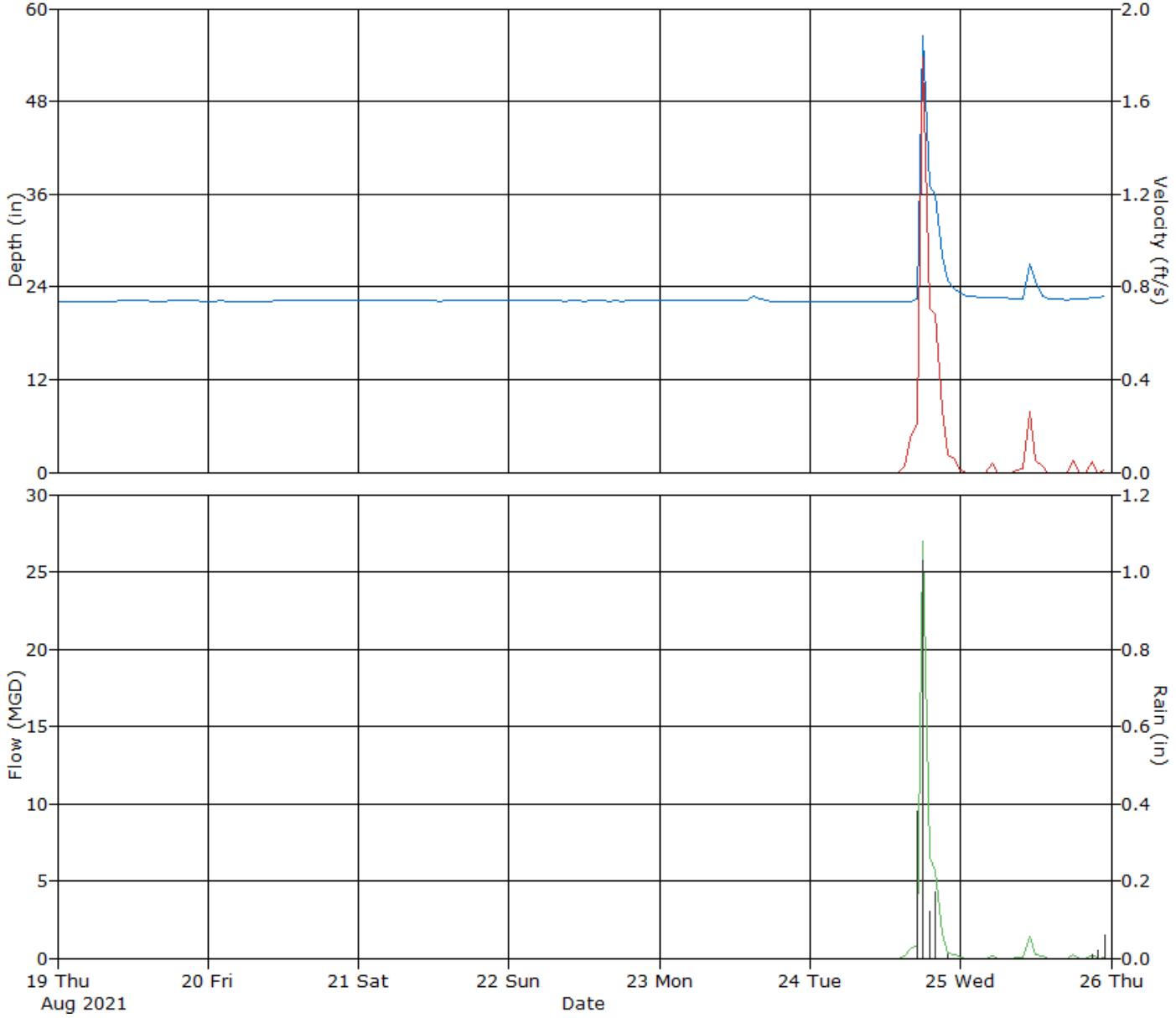


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



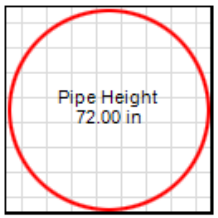
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S1300205

Flow Monitor

EVANSTON_S1300205

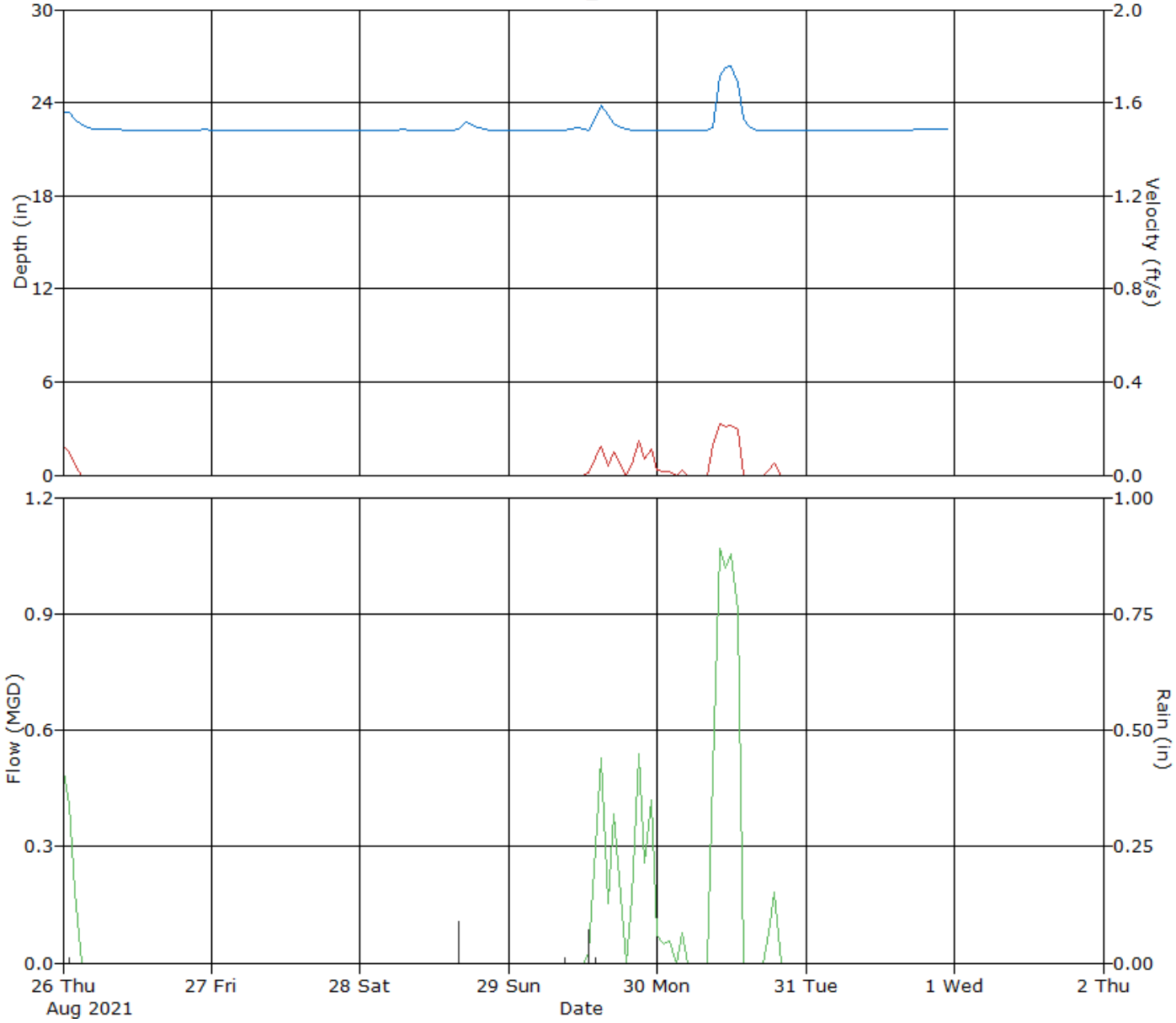


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S1300205, Pipe Height: 72.00 in, Silt: 7.75 in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021	07:00	22.64	12:25	22.87	22.77	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/03/2021	22:50	22.65	15:15	22.88	22.79	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/04/2021	14:25	22.61	05:55	22.80	22.65	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/05/2021	15:10	22.64	03:50	22.67	22.66	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/06/2021	12:50	22.61	04:45	22.65	22.64	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/07/2021	16:55	22.58	15:55	22.70	22.60	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/08/2021	04:05	22.60	16:15	31.60	23.98	00:00	0.00	16:05	0.59	0.10	00:00	0.000	16:05	3.891	0.505	67552	0.22
04/09/2021	15:30	22.56	00:00	22.67	22.61	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/10/2021	06:10	22.54	18:50	35.36	23.83	00:00	0.00	18:45	0.84	0.08	00:00	0.000	18:45	6.522	0.466	62284	0.58
04/11/2021	23:55	22.63	00:00	22.90	22.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/12/2021	21:30	22.56	08:25	22.71	22.62	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.02
04/13/2021	23:50	22.52	00:30	22.57	22.55	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/14/2021	02:55	22.48	07:20	22.71	22.55	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/15/2021	04:50	22.49	12:30	22.60	22.54	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/16/2021	20:30	22.46	11:15	22.56	22.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/17/2021	01:25	22.46	05:55	22.74	22.55	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/18/2021	06:35	22.47	19:25	22.56	22.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/19/2021	19:45	22.48	12:35	22.56	22.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/20/2021	09:45	22.44	11:15	22.70	22.52	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/21/2021	17:10	22.42	09:15	22.75	22.58	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.02
04/22/2021	23:50	22.50	08:10	22.69	22.56	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/23/2021	04:25	22.47	08:20	22.70	22.54	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/24/2021	17:35	22.49	01:15	22.52	22.50	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/25/2021	19:50	22.37	23:55	22.59	22.44	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/26/2021	03:55	22.39	00:15	22.62	22.47	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/27/2021	06:35	22.45	04:25	22.52	22.47	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/28/2021	20:30	22.38	23:55	22.64	22.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.03
04/29/2021	08:30	22.40	09:40	22.78	22.53	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.07
04/30/2021	21:10	22.34	00:00	22.48	22.39	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/01/2021	17:05	22.32	14:15	22.52	22.40	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/02/2021	22:30	22.32	20:30	22.58	22.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/03/2021	02:50	22.35	21:45	23.02	22.52	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.11
05/04/2021	18:05	22.21	00:00	22.64	22.39	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
05/05/2021	06:05	22.31	11:25	22.73	22.39	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/06/2021	23:20	22.32	08:20	22.64	22.41	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.05
05/07/2021	23:20	22.30	15:50	22.37	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/08/2021	00:15	22.29	09:00	22.40	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/09/2021	20:25	22.30	10:30	22.97	22.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.05
05/10/2021	20:05	22.29	12:05	22.41	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/11/2021	05:20	22.25	08:10	22.39	22.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/12/2021	03:40	22.21	08:25	22.37	22.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/13/2021	05:00	22.26	08:00	22.36	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/14/2021	04:50	22.31	05:45	22.35	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/15/2021	10:25	22.34	14:05	22.41	22.35	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
05/16/2021	17:20	22.33	05:15	22.35	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	19:20	22.32	04:00	22.34	22.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/18/2021	18:15	22.32	20:30	23.21	22.44	00:00	0.00	17:05	0.39	0.02	00:00	0.000	17:05	1.455	0.096	12784	0.09
05/19/2021	08:50	22.31	11:10	26.59	22.68	00:35	0.00	11:55	0.44	0.05	00:35	0.000	11:55	2.013	0.194	25933	0.10
05/20/2021	11:25	22.30	16:15	22.38	22.32	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/21/2021	18:00	22.30	12:20	22.38	22.31	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/22/2021	02:50	22.30	07:40	22.36	22.32	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/23/2021	02:05	22.31	21:30	25.08	22.55	00:00	0.00	22:00	0.44	0.02	00:00	0.000	22:00	1.983	0.102	13572	0.10
05/24/2021	04:35	22.32	00:00	22.90	22.48	00:00	0.00	02:20	0.40	0.01	00:00	0.000	02:20	1.520	0.029	3923	
05/25/2021	17:35	22.45	12:50	22.64	22.54	00:00	0.00	21:15	0.48	0.01	00:00	0.000	21:15	1.832	0.052	6918	
05/26/2021	18:45	22.43	01:55	55.85	25.18	00:00	0.00	02:00	1.51	0.15	00:00	0.000	02:00	21.313	1.289	172334	1.46
05/27/2021	01:25	22.44	17:10	22.68	22.49	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.03
05/28/2021	04:30	22.40	05:50	26.67	23.08	00:00	0.00	08:25	0.26	0.04	00:00	0.000	05:40	1.333	0.183	24472	0.23
05/29/2021	23:55	22.40	00:00	22.57	22.46	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/30/2021	04:45	22.38	08:20	22.49	22.45	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/31/2021	23:50	22.43	19:20	22.49	22.46	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/01/2021	13:10	22.43	16:35	22.49	22.45	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/02/2021	03:55	22.36	14:25	22.48	22.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/03/2021	04:30	22.37	18:20	22.47	22.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/04/2021	01:15	22.38	14:00	22.49	22.44	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/05/2021	23:40	22.40	07:20	22.48	22.46	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/06/2021	00:10	22.40	06:35	22.48	22.45	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/07/2021	23:45	22.43	14:15	22.51	22.47	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/08/2021	18:50	22.42	07:40	22.49	22.45	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/09/2021	18:05	22.39	07:30	22.48	22.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/10/2021	17:55	22.38	23:05	22.53	22.42	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/11/2021	14:25	22.36	00:00	22.50	22.40	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/12/2021	14:25	22.29	15:20	46.65	23.45	00:00	0.00	15:15	1.24	0.11	00:00	0.000	15:15	14.178	0.657	87771	0.62
06/13/2021	19:15	22.30	00:10	22.45	22.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/14/2021	09:30	22.28	07:45	22.38	22.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/15/2021	19:50	22.28	09:50	22.30	22.28	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/16/2021	20:10	22.26	00:15	22.31	22.27	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/17/2021	03:55	22.26	12:30	22.41	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/18/2021	16:30	22.26	05:25	37.67	23.30	00:00	0.00	05:15	0.91	0.08	00:00	0.000	05:20	7.708	0.453	60588	0.38
06/19/2021	08:55	22.24	06:35	22.55	22.32	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/20/2021	02:40	22.26	23:35	103.18	23.91	00:00	0.00	23:35	4.97	0.17	00:00	0.000	23:35	85.495	1.749	233808	1.78
06/21/2021	23:55	22.70	00:00	67.22	24.17	03:00	0.00	00:00	2.34	0.06	03:00	0.000	00:00	39.017	0.662	88503	0.03
06/22/2021	23:20	22.60	11:50	22.71	22.65	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/23/2021	20:20	22.54	13:50	22.70	22.61	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
06/24/2021	09:40	22.55	16:10	27.81	23.35	00:00	0.00	16:05	0.30	0.04	00:00	0.000	16:05	1.610	0.184	24659	0.31
06/25/2021	04:00	22.62	05:15	47.87	25.61	00:00	0.00	05:15	1.16	0.13	00:00	0.000	05:15	13.790	1.045	139651	0.03
06/26/2021	00:40	22.82	13:05	115.91	47.14	00:00	0.00	11:55	2.12	0.18	00:00	0.000	11:55	32.958	2.191	292938	0.01
06/27/2021	17:45	22.97	00:00	40.27	23.55	00:00	0.00	00:10	0.09	0.00	00:00	0.000	00:05	0.793	0.009	1205	0.02
06/28/2021	15:25	23.00	04:10	30.74	23.48	00:00	0.00	04:10	0.44	0.02	00:00	0.000	04:10	2.800	0.104	13854	0.02
06/29/2021	03:50	22.85	11:05	32.55	23.79	00:00	0.00	11:00	0.48	0.04	00:00	0.000	11:05	3.337	0.218	29168	0.02
06/30/2021	05:20	23.18	20:35	66.14	29.15	00:00	0.00	18:45	0.45	0.03	00:00	0.000	20:05	5.951	0.354	47377	0.02
07/01/2021	23:25	22.68	00:00	23.83	22.98	00:00	0.00	02:15	0.40	0.00	00:00	0.000	02:15	1.648	0.006	765	0.01
07/02/2021	02:25	22.66	09:55	22.72	22.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/03/2021	09:40	22.67	09:00	22.72	22.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/04/2021	08:15	22.68	05:15	22.74	22.69	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/05/2021	11:35	22.69	17:05	22.75	22.70	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/06/2021	18:15	22.69	16:45	22.87	22.71	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/07/2021	00:15	22.69	21:55	22.74	22.71	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/08/2021	21:40	22.70	07:10	22.74	22.71	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/09/2021	21:30	22.61	11:00	23.02	22.67	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/10/2021	09:15	22.60	21:25	28.39	23.02	00:00	0.00	23:00	0.46	0.04	00:00	0.000	22:20	2.022	0.169	22649	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	21:10	22.52	00:00	23.36	22.69	00:00	0.00	02:15	0.42	0.03	00:00	0.000	02:15	1.646	0.126	16849	
07/12/2021	19:45	22.51	23:00	22.89	22.56	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/13/2021	18:35	22.50	00:35	23.25	22.61	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/14/2021	00:15	22.51	23:35	22.58	22.52	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/15/2021	14:45	22.40	23:55	34.62	23.12	00:00	0.00	23:55	0.63	0.05	00:00	0.000	23:55	4.809	0.263	35196	0.37
07/16/2021	23:50	22.38	00:15	45.86	23.79	02:45	0.00	00:20	1.00	0.07	02:45	0.000	00:20	11.135	0.537	71765	0.32
07/17/2021	07:40	22.38	16:15	23.10	22.44	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/18/2021	16:35	22.37	04:40	22.52	22.40	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/19/2021	00:00	22.49	02:25	22.52	22.50	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/20/2021	21:00	22.47	13:35	22.64	22.49	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/21/2021	19:10	22.43	02:25	22.49	22.45	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/22/2021	08:00	22.40	12:30	22.47	22.42	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/23/2021	16:40	22.32	01:05	22.42	22.38	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/24/2021	10:05	22.31	17:15	28.00	22.70	00:00	0.00	21:10	0.51	0.07	00:00	0.000	17:10	1.968	0.283	37808	0.08
07/25/2021	17:50	22.25	00:30	22.43	22.31	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/26/2021	15:40	22.21	00:00	22.27	22.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/27/2021	19:10	22.18	12:25	22.32	22.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/28/2021	19:25	22.19	06:55	22.33	22.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
07/29/2021	02:30	22.21	04:15	26.05	22.63	00:00	0.00	03:25	0.58	0.08	00:00	0.000	03:25	2.283	0.336	44923	0.10
07/30/2021	21:55	22.13	18:25	22.33	22.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/31/2021	15:50	22.10	01:10	22.14	22.12	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/01/2021	16:40	22.09	15:00	22.22	22.12	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/02/2021	01:40	22.10	03:10	22.29	22.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/03/2021	08:05	22.24	11:55	22.61	22.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/04/2021	01:35	22.23	10:45	22.25	22.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/05/2021	00:35	22.16	15:40	22.30	22.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/06/2021	02:45	22.22	22:45	25.77	22.65	00:00	0.00	17:20	0.56	0.13	00:00	0.000	17:20	2.116	0.520	69516	0.13
08/07/2021	10:05	22.23	00:00	24.12	22.35	00:05	0.00	03:10	0.45	0.03	00:05	0.000	00:25	1.727	0.125	16673	
08/08/2021	14:25	22.13	18:35	22.53	22.25	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
08/09/2021	02:50	22.17	21:10	38.99	24.26	00:00	0.00	21:00	0.81	0.23	00:00	0.000	21:05	7.302	1.171	156510	1.42
08/10/2021	18:50	22.30	20:10	53.25	23.98	00:30	0.00	20:15	1.44	0.08	00:30	0.000	20:15	19.185	0.624	83450	0.91
08/11/2021	19:15	22.38	12:15	24.34	22.73	00:00	0.00	08:25	0.67	0.01	00:00	0.000	08:25	2.549	0.053	7022	0.08
08/12/2021	17:45	22.21	13:35	22.54	22.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/13/2021	01:50	22.24	01:05	22.41	22.25	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/14/2021	23:30	22.21	02:15	22.28	22.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/15/2021	00:00	22.24	07:45	22.34	22.31	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/16/2021	23:55	22.19	00:20	22.34	22.29	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/17/2021	08:45	22.16	13:40	22.28	22.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/18/2021	17:55	22.16	00:35	22.18	22.17	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/19/2021	01:30	22.15	20:45	22.19	22.16	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/20/2021	07:55	22.15	23:25	22.17	22.16	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/21/2021	13:10	22.16	15:35	22.30	22.17	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/22/2021	11:55	22.15	05:45	22.20	22.17	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/23/2021	20:05	22.14	15:25	22.81	22.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/24/2021	17:35	22.10	18:25	67.37	25.20	00:00	0.00	18:25	2.65	0.17	00:00	0.000	18:25	44.357	1.783	238390	1.71
08/25/2021	18:20	22.33	11:50	28.05	22.85	00:00	0.00	18:55	0.60	0.02	00:00	0.000	18:55	2.257	0.100	13398	0.09
08/26/2021	17:40	22.21	01:00	23.47	22.39	00:00	0.00	02:50	0.57	0.01	00:00	0.000	02:50	2.235	0.045	6062	0.01
08/27/2021	06:15	22.19	04:30	22.23	22.21	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/28/2021	08:25	22.18	17:40	22.85	22.26	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.09
08/29/2021	13:45	22.16	15:20	23.92	22.38	00:00	0.00	18:40	0.56	0.03	00:00	0.000	18:40	2.106	0.123	16400	0.09
08/30/2021	00:55	22.17	12:10	26.33	22.86	00:00	0.00	09:00	0.61	0.05	00:00	0.000	13:40	2.471	0.210	28080	
08/31/2021	10:40	22.22	20:30	22.33	22.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			2274748	11.87
Avg	22.84	0.02	0.112	

Evanston, IL

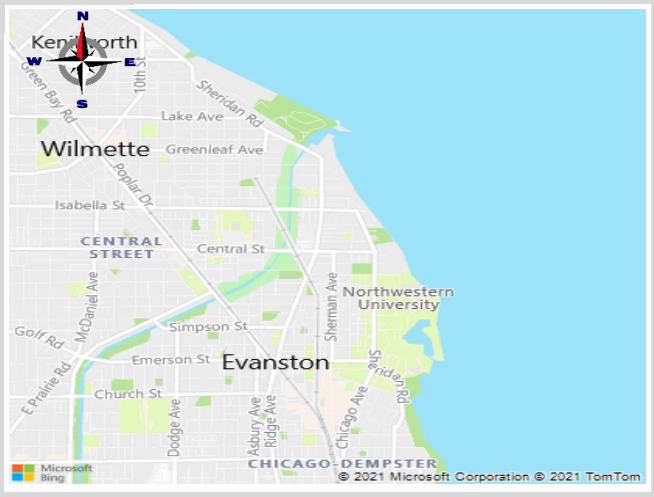
Flow Monitoring Site Report

ADS ENVIRONMENTAL SERVICES®

SITE NAME

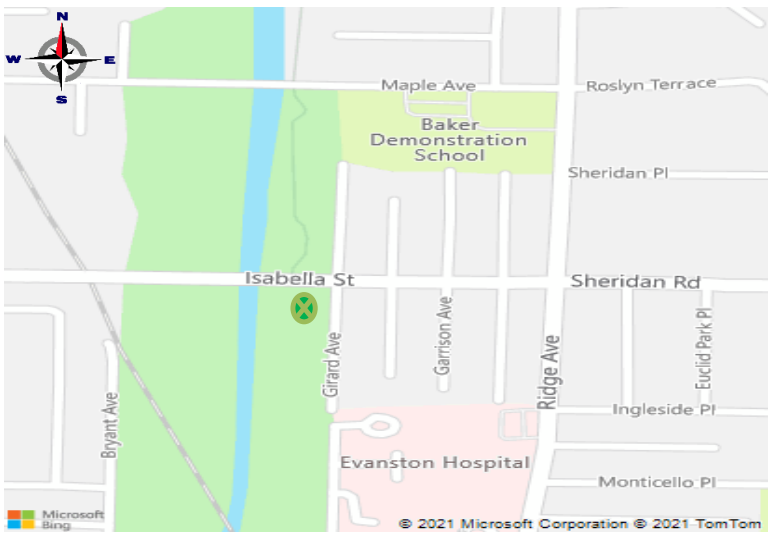
S8100175

Site Address /Location:	Intersection of Isabella St. and Girard Ave.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	SW corner of Intersection; in grass	Latitude:	42.068624	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.685634	60 x 60	Circular



Manhole #	System Characteristics
S81_00175	Other
Access	Traffic
Drive	None







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, April 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
8:50:00 AM	60 x 60
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.50	56.75
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
2	0
Silt (in)	Silt Type
0	

Hydraulic Comments:
Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
21.5	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Grass (buried)

Additional Site Info. / Comments:

Additional Photos

Upstream	Downstream	
		

SCATTERGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

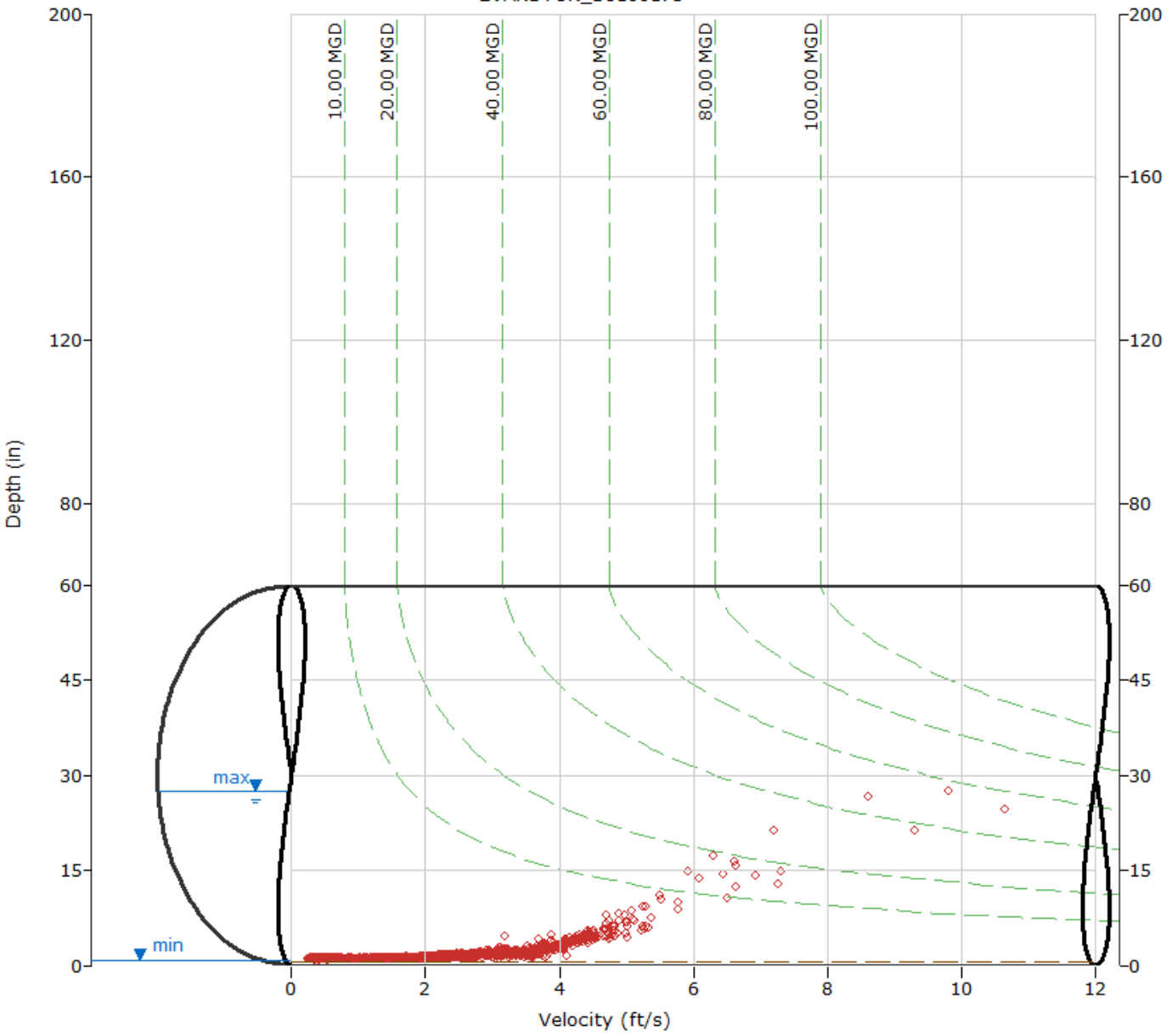
Pipe Height
60.00 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



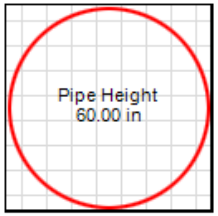
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

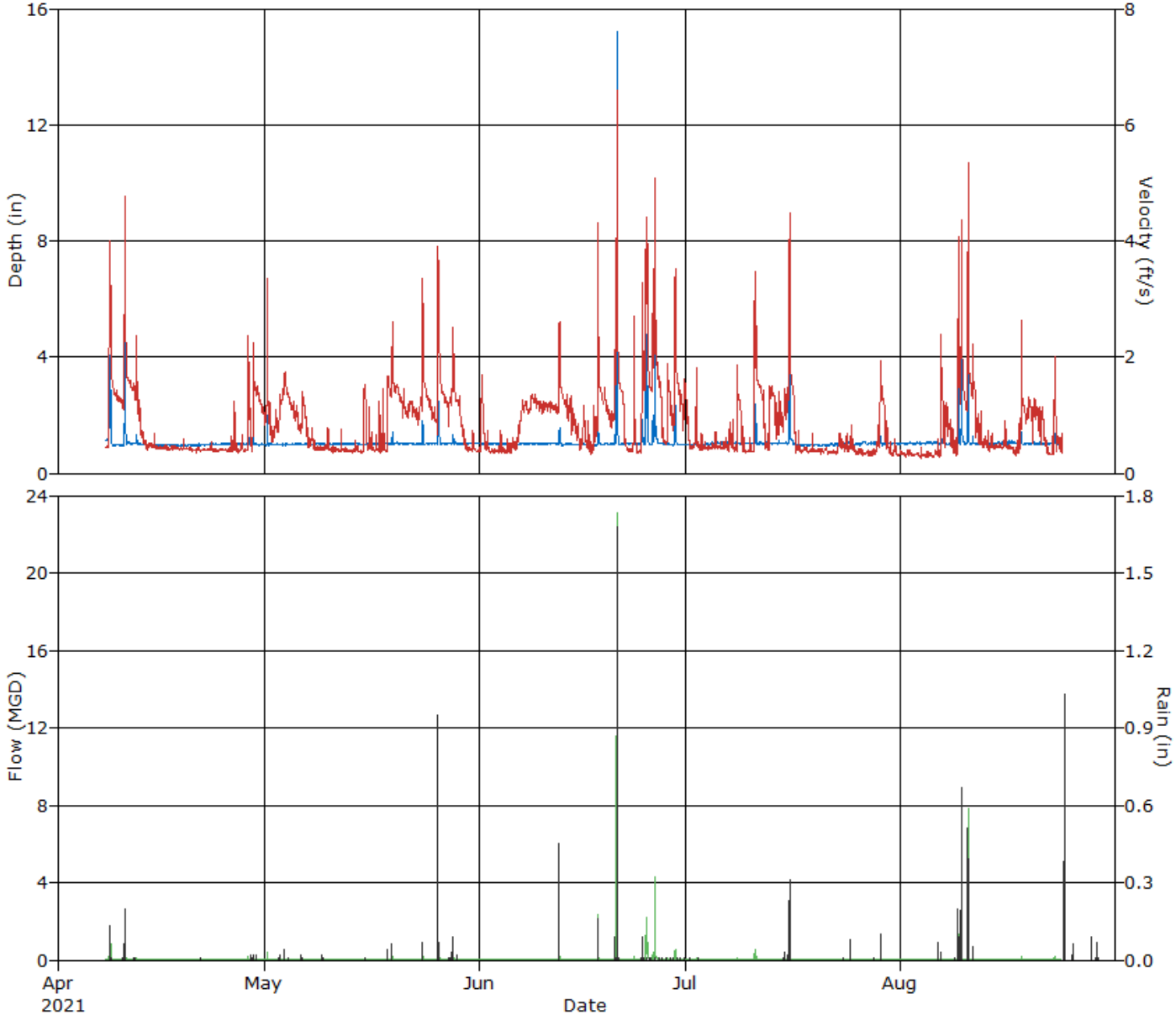


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



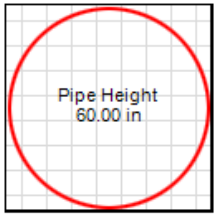
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

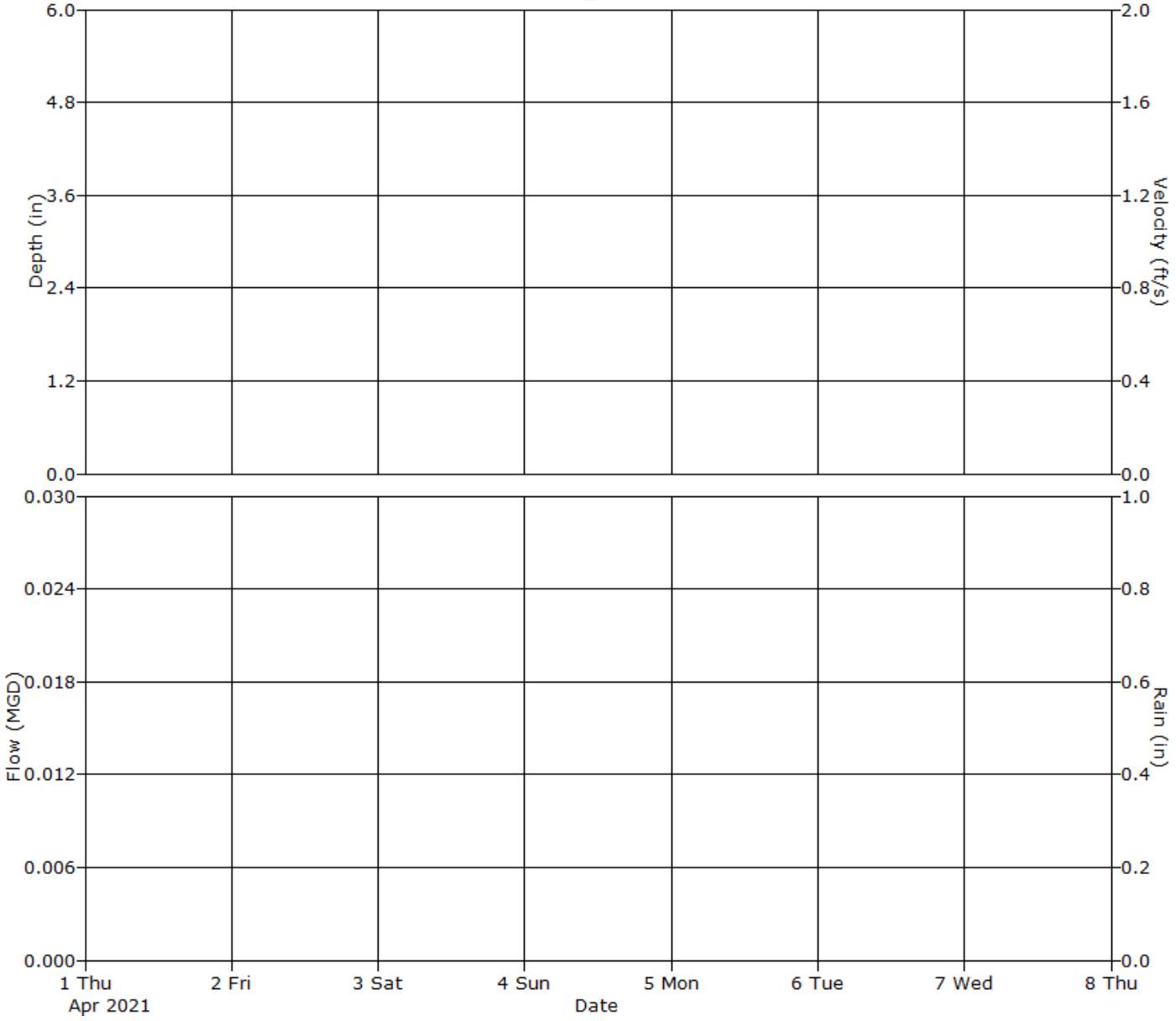


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

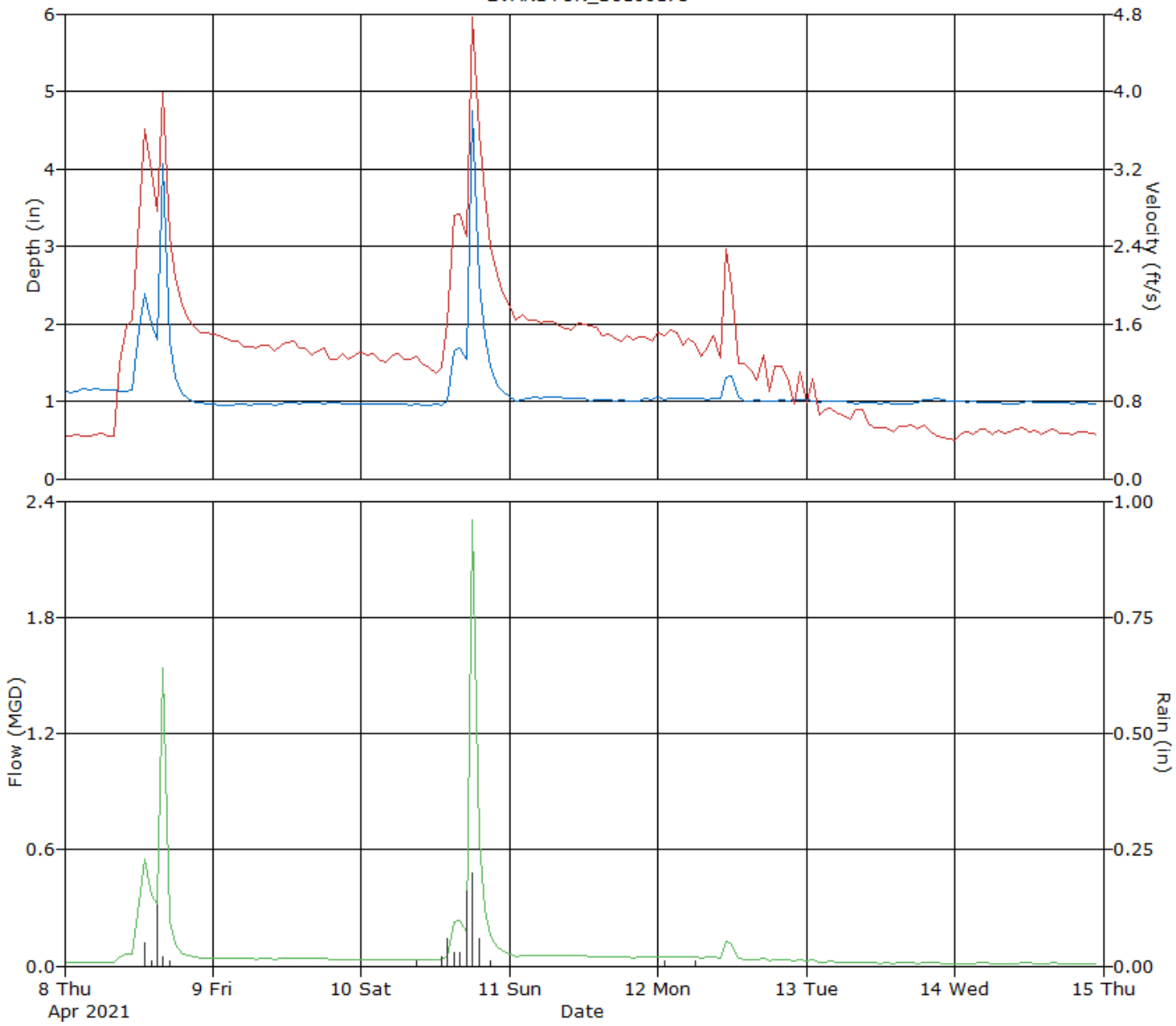
Pipe Height
60.00 in

Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



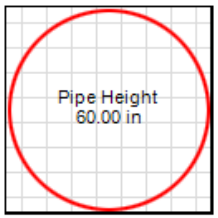
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

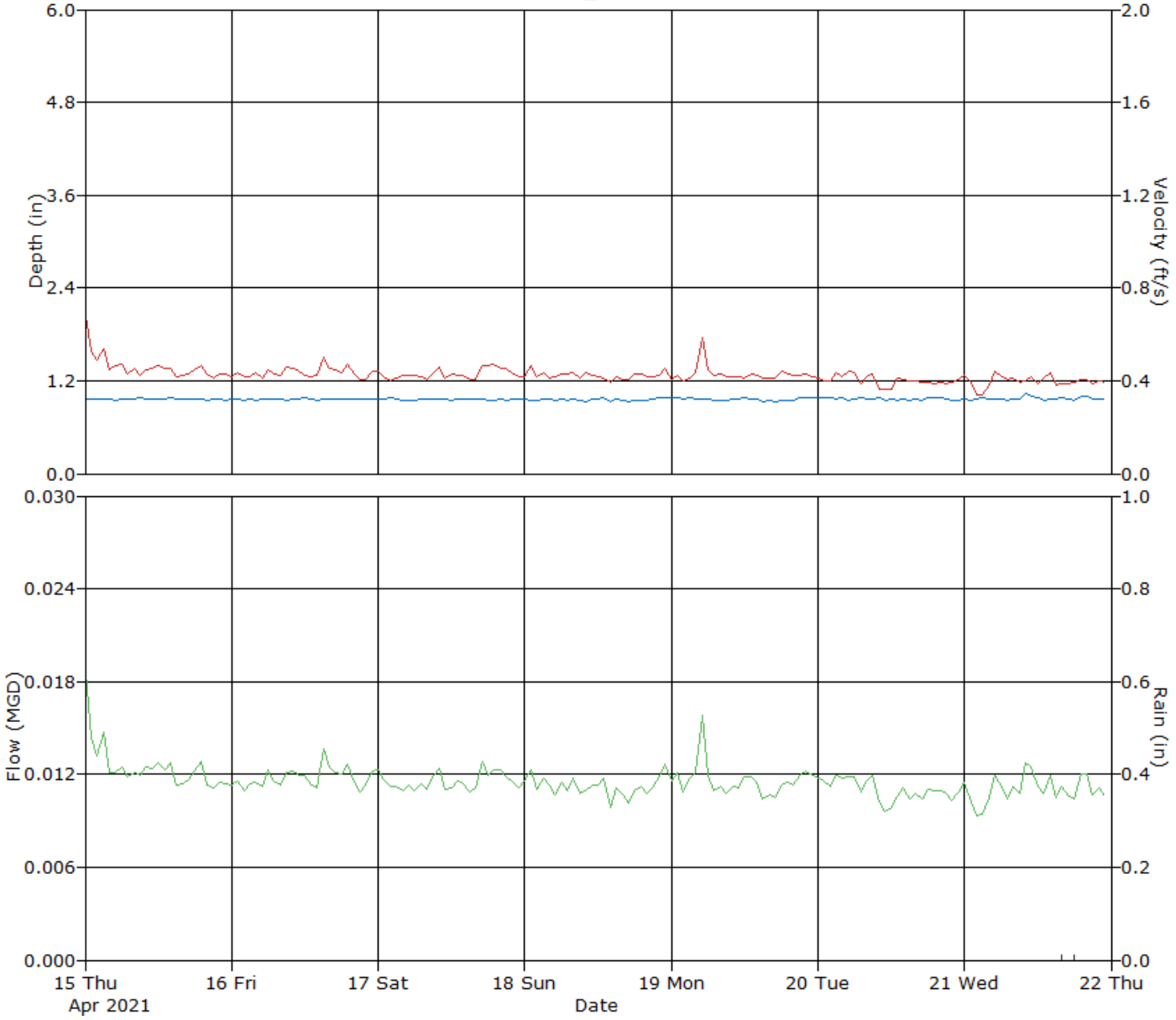


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



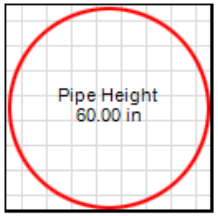
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

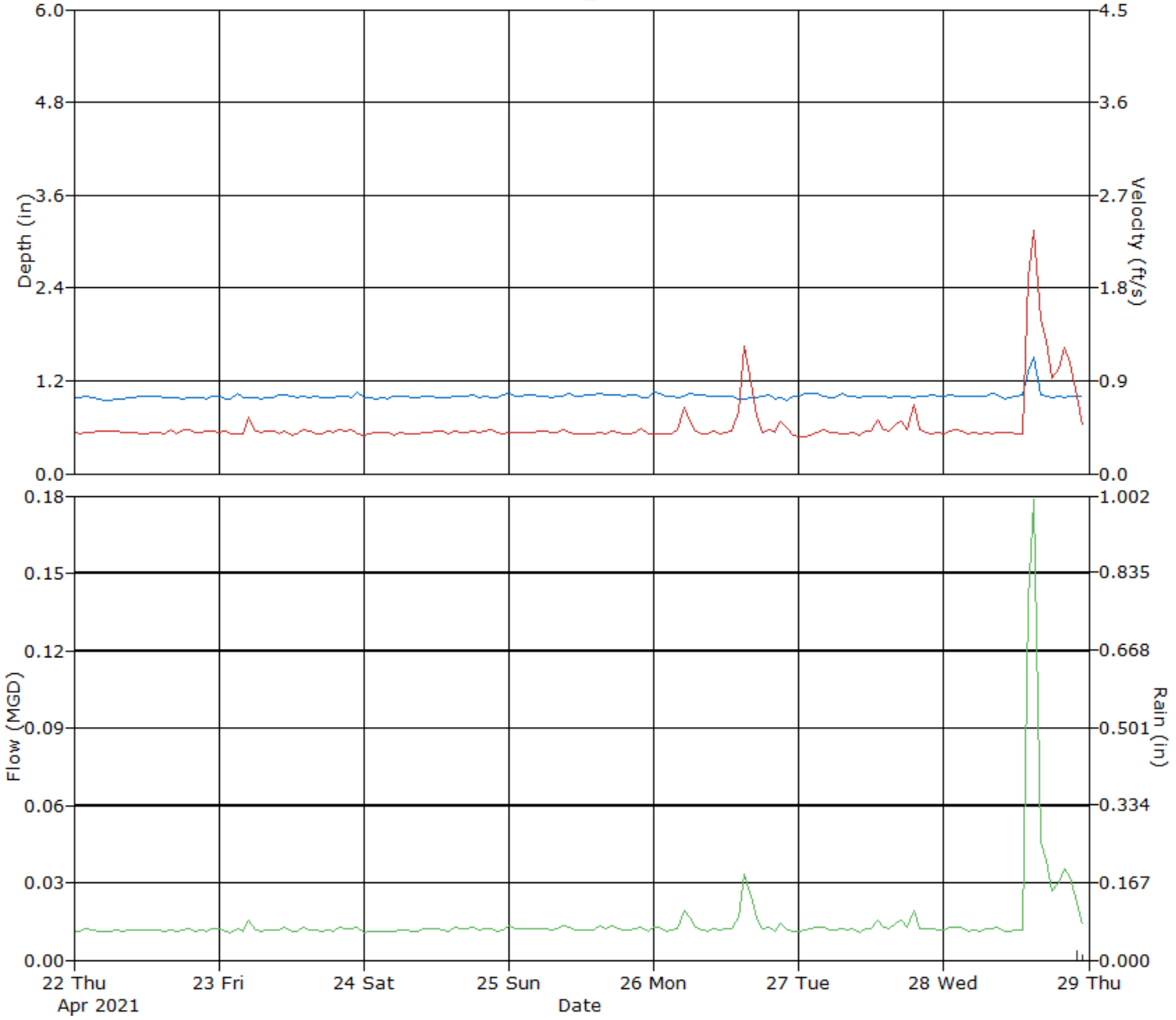


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



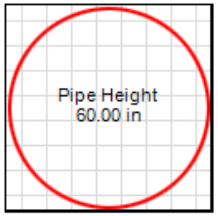
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

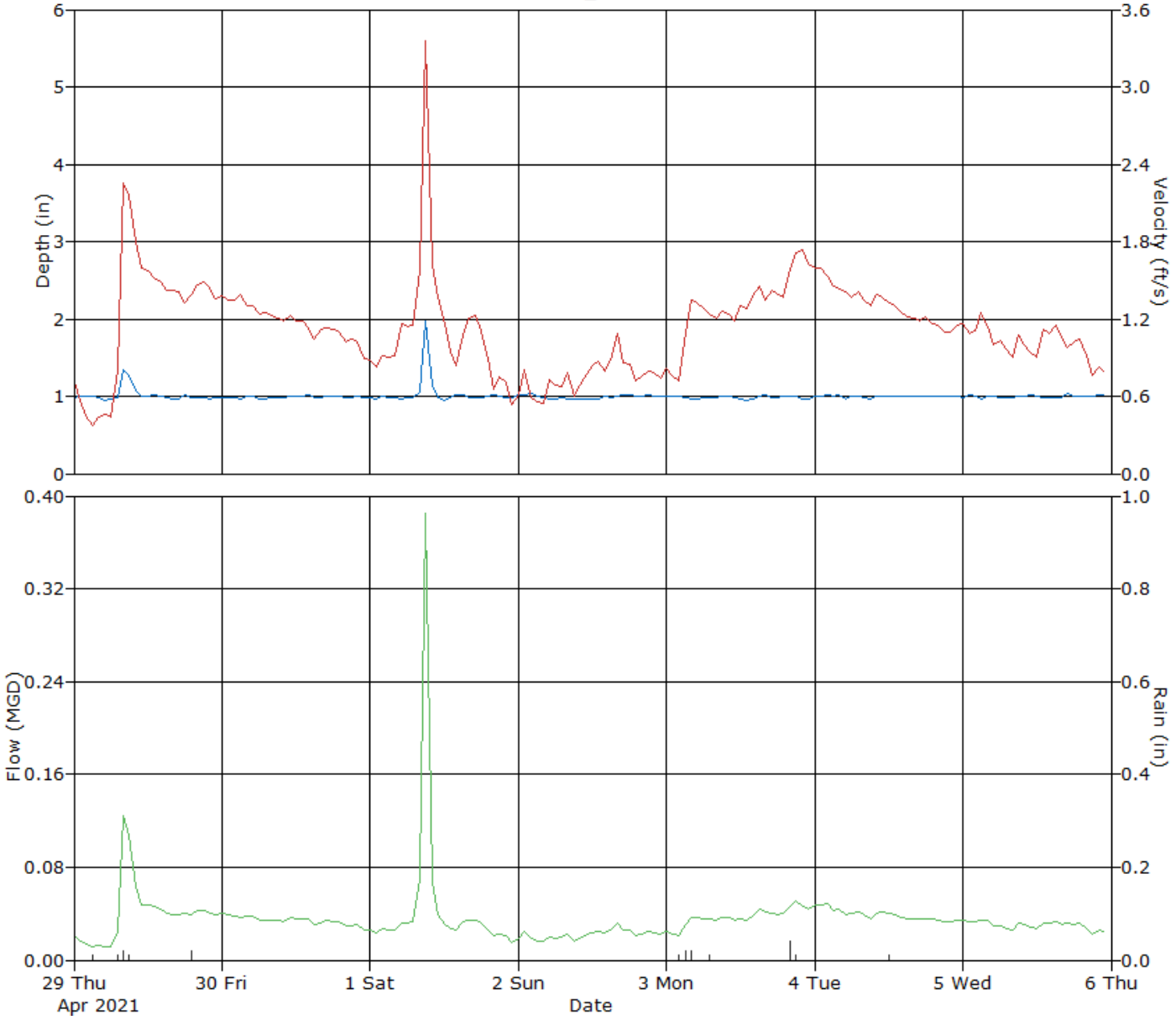


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



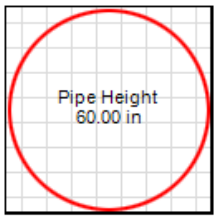
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

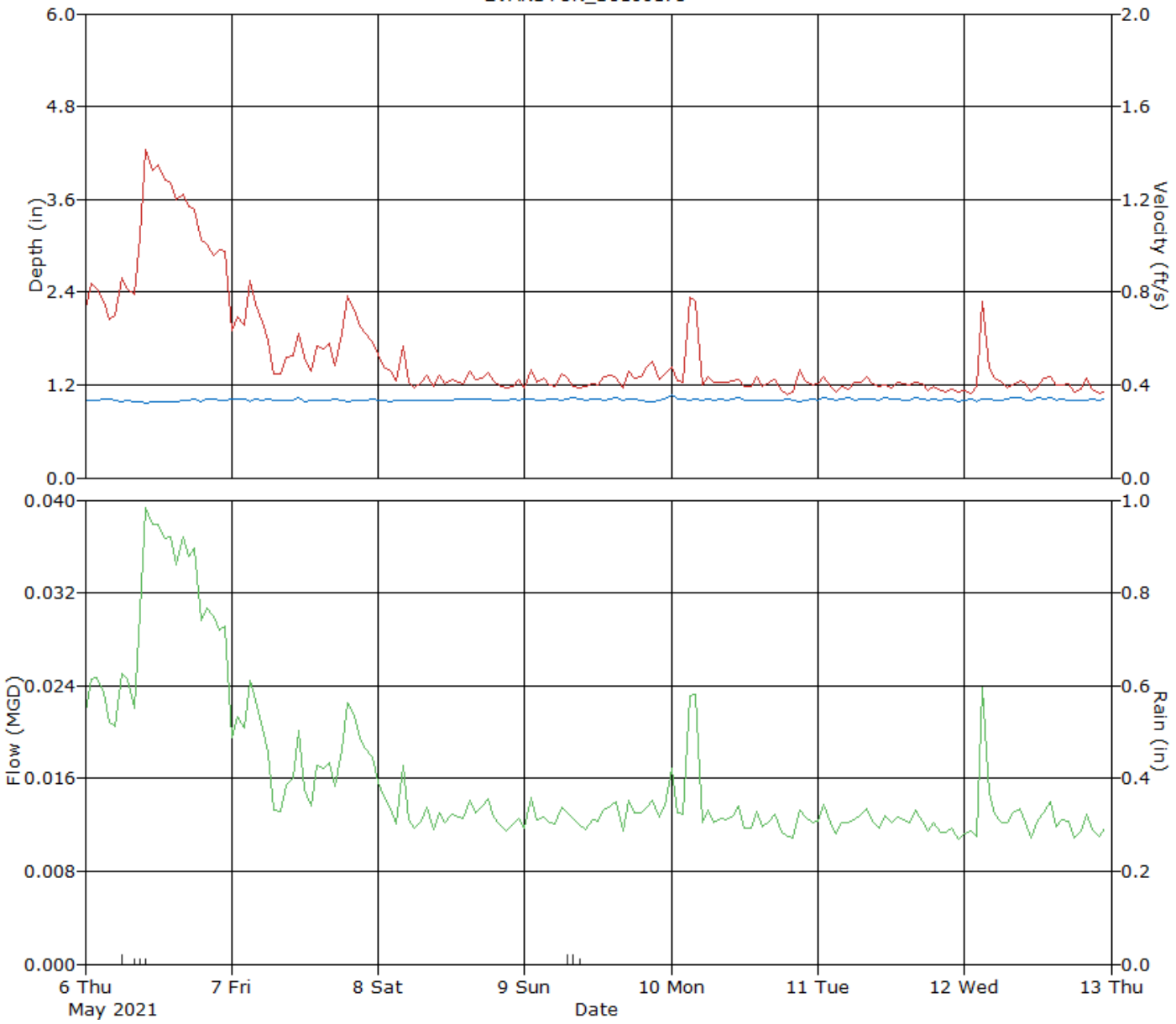


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



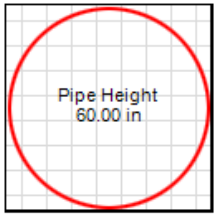
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

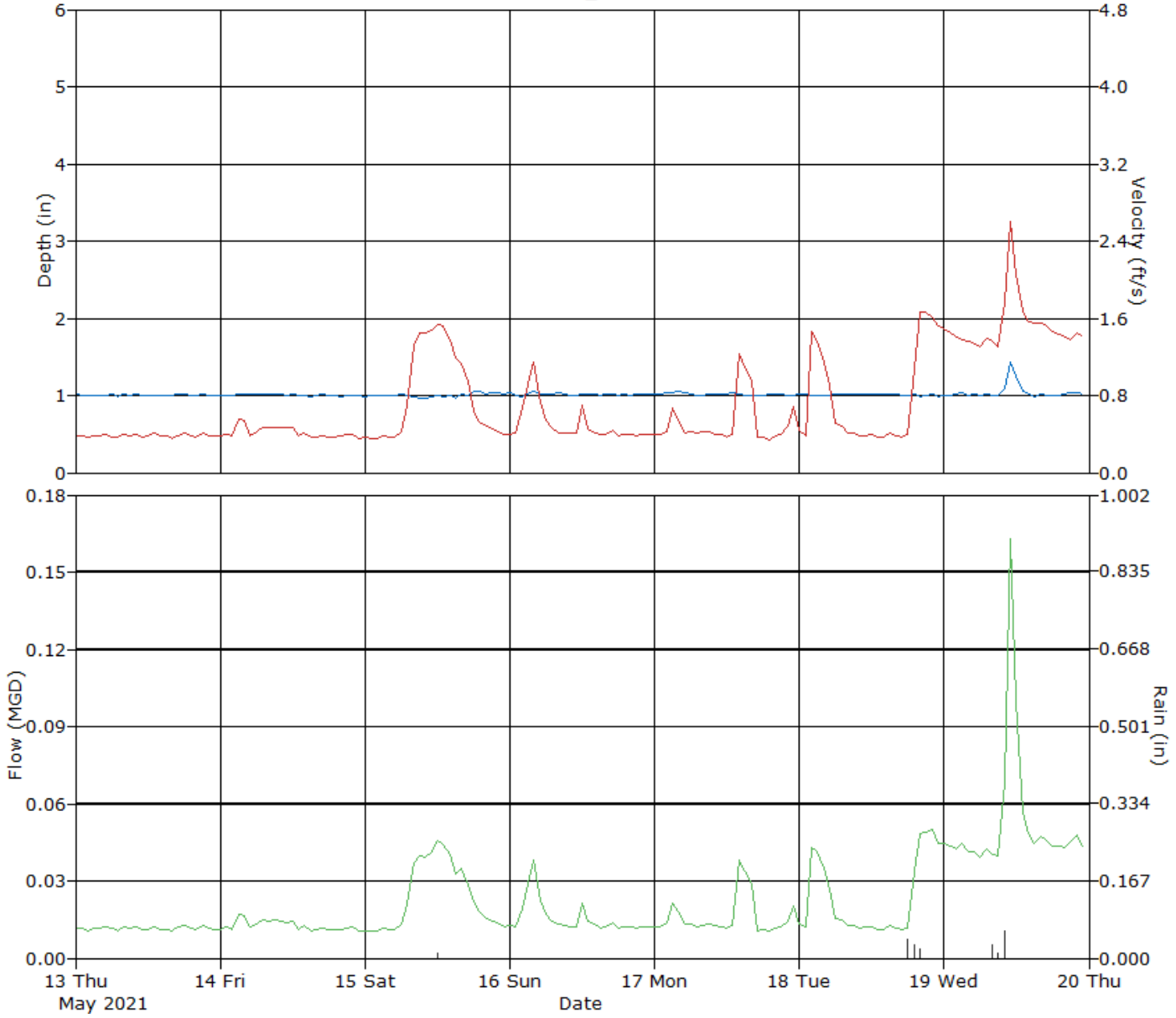


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

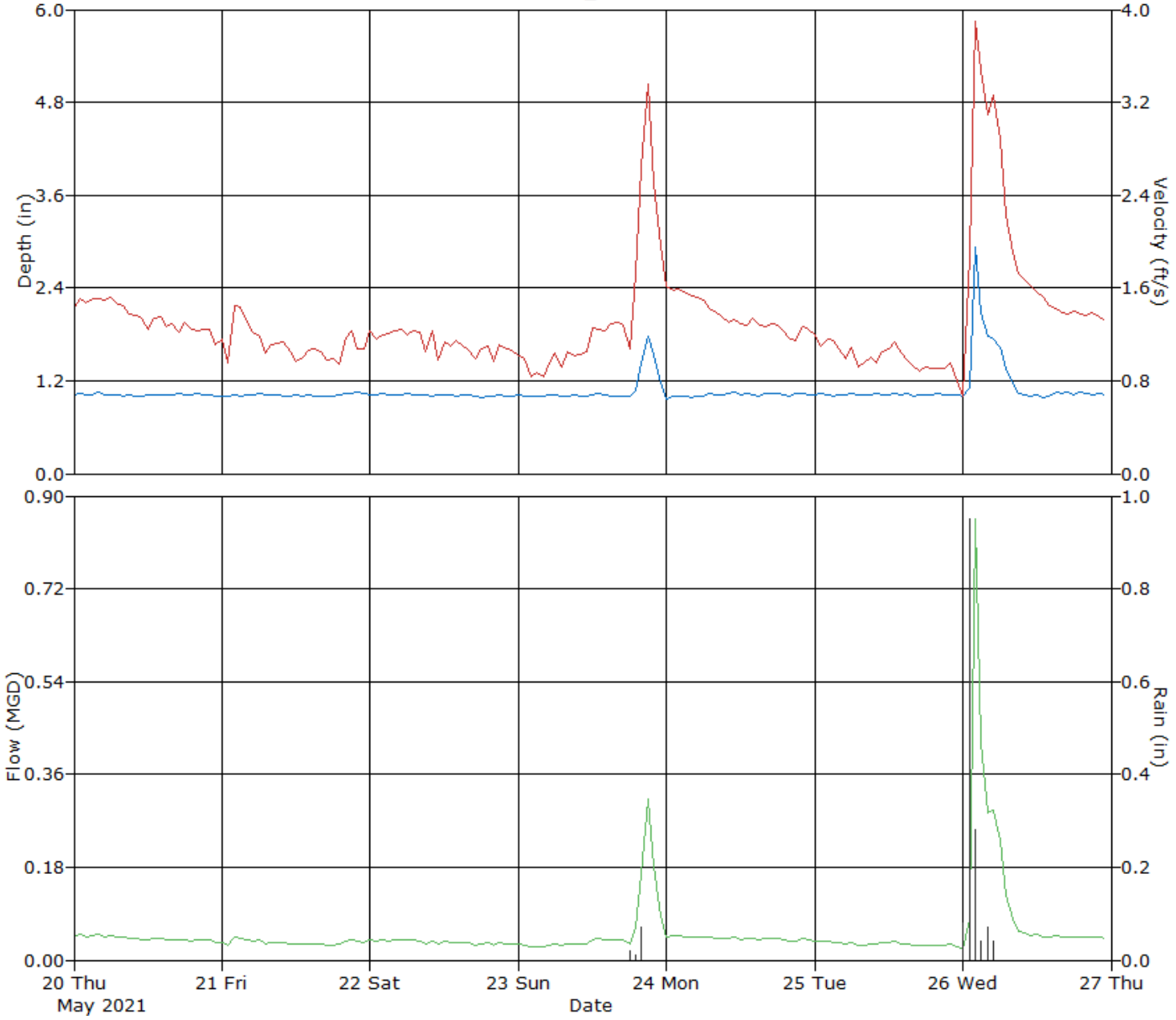
Pipe Height
60.00 in

Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



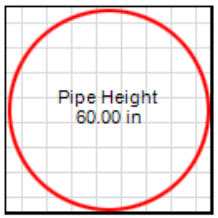
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

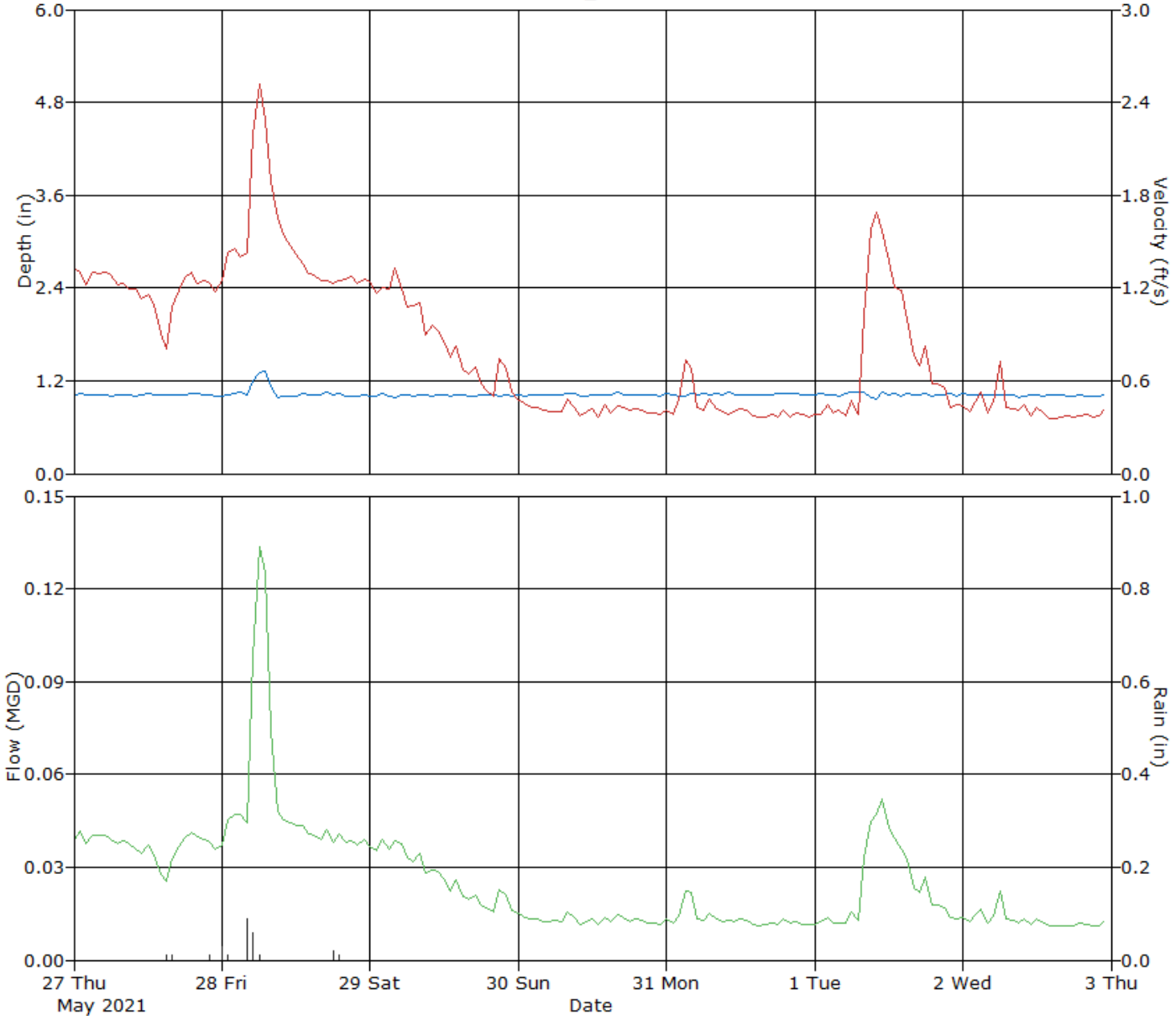


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



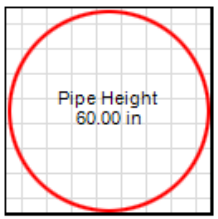
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175



Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



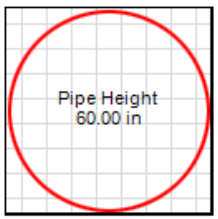
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

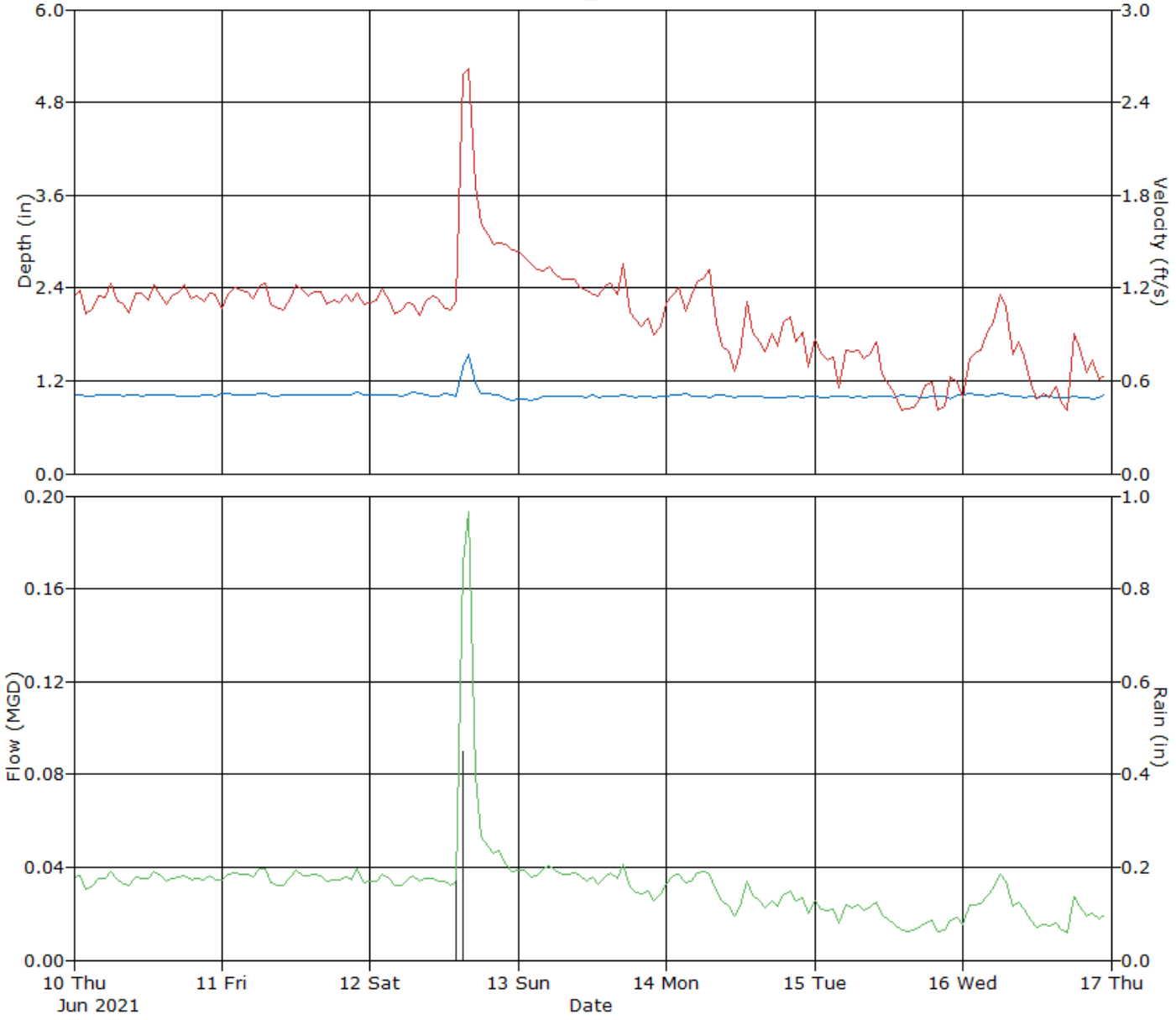


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



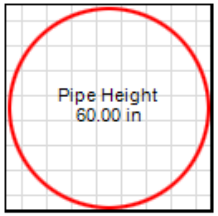
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

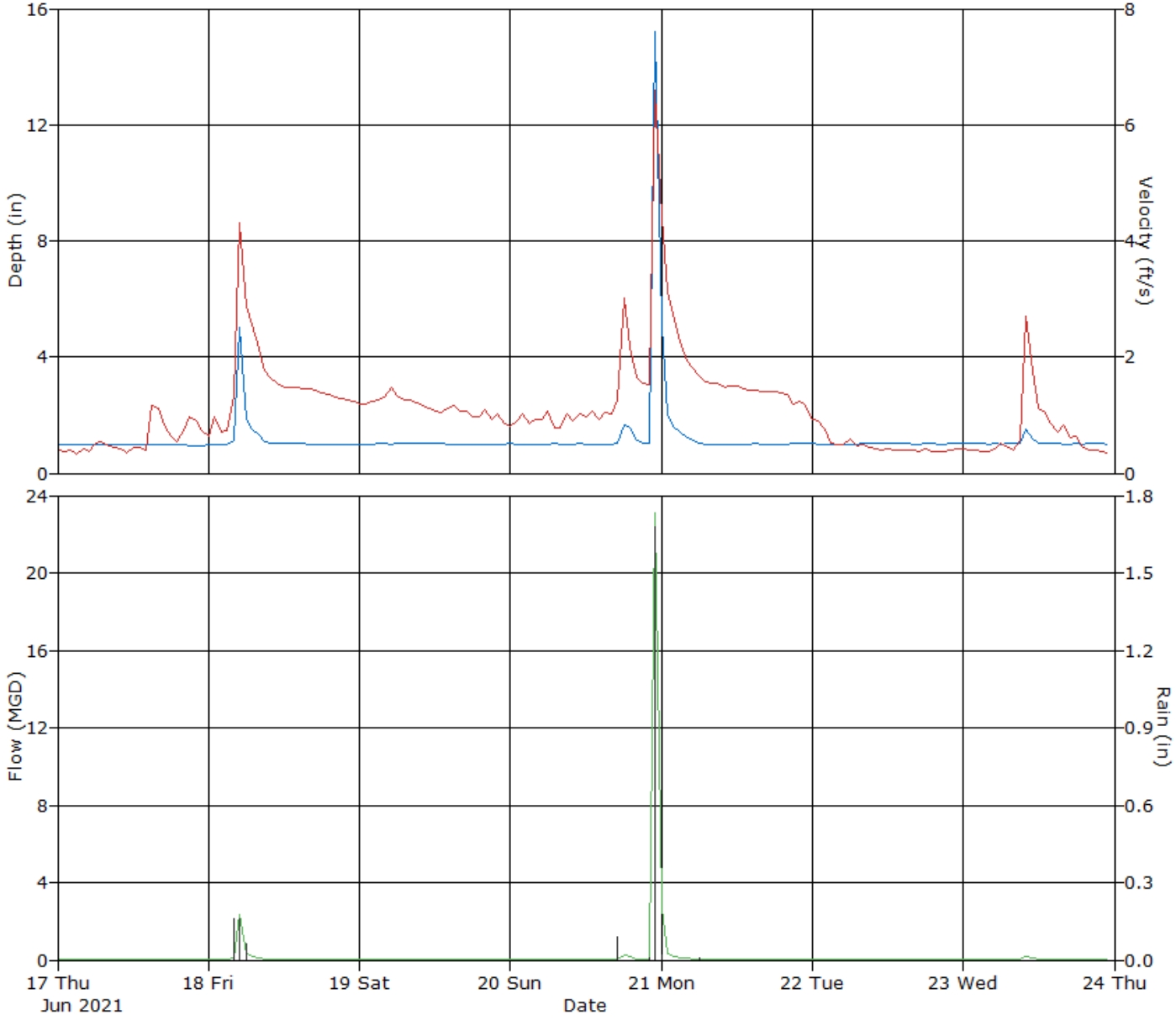


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

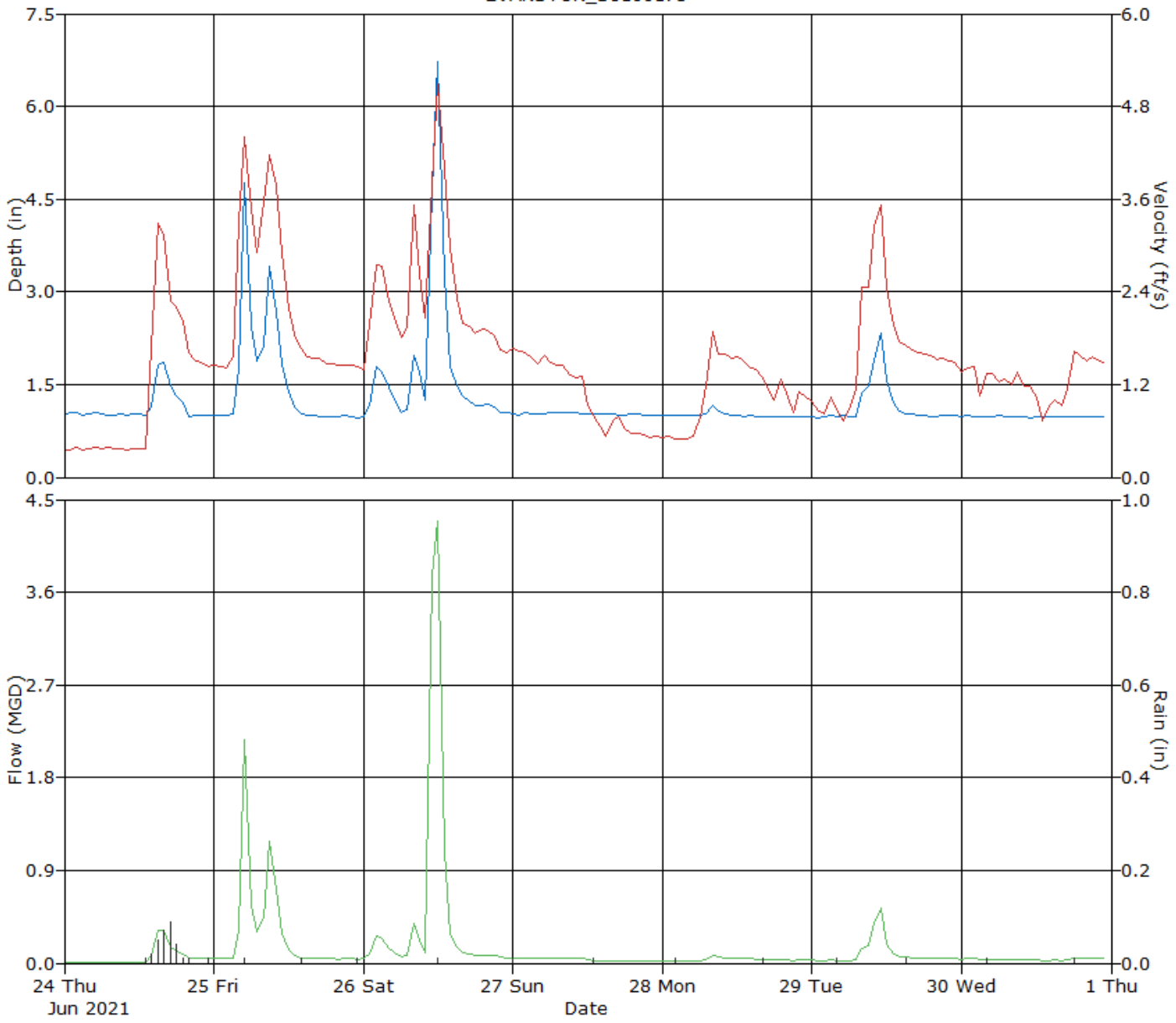
Pipe Height
60.00 in

Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



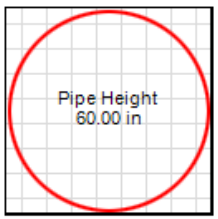
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

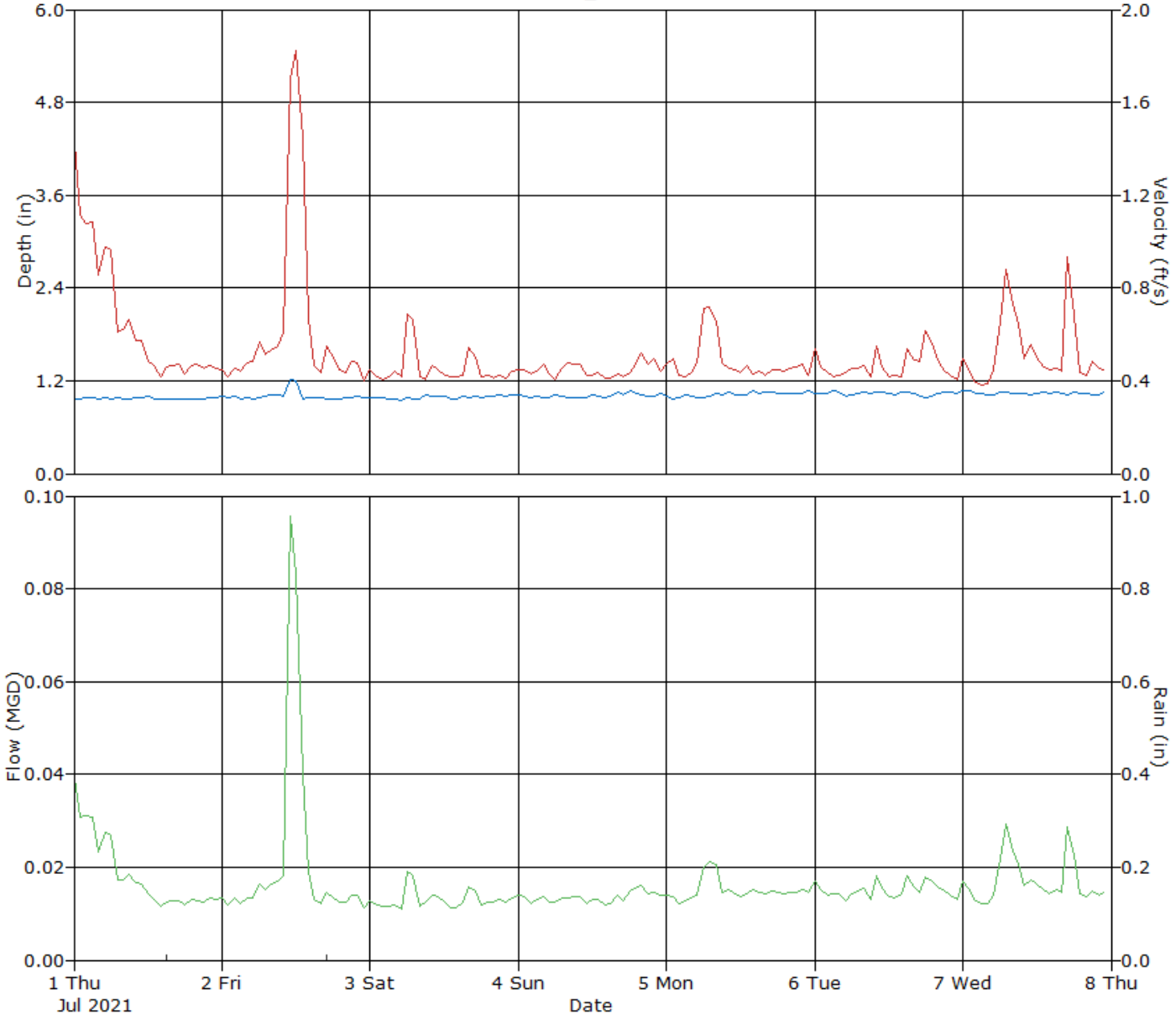


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

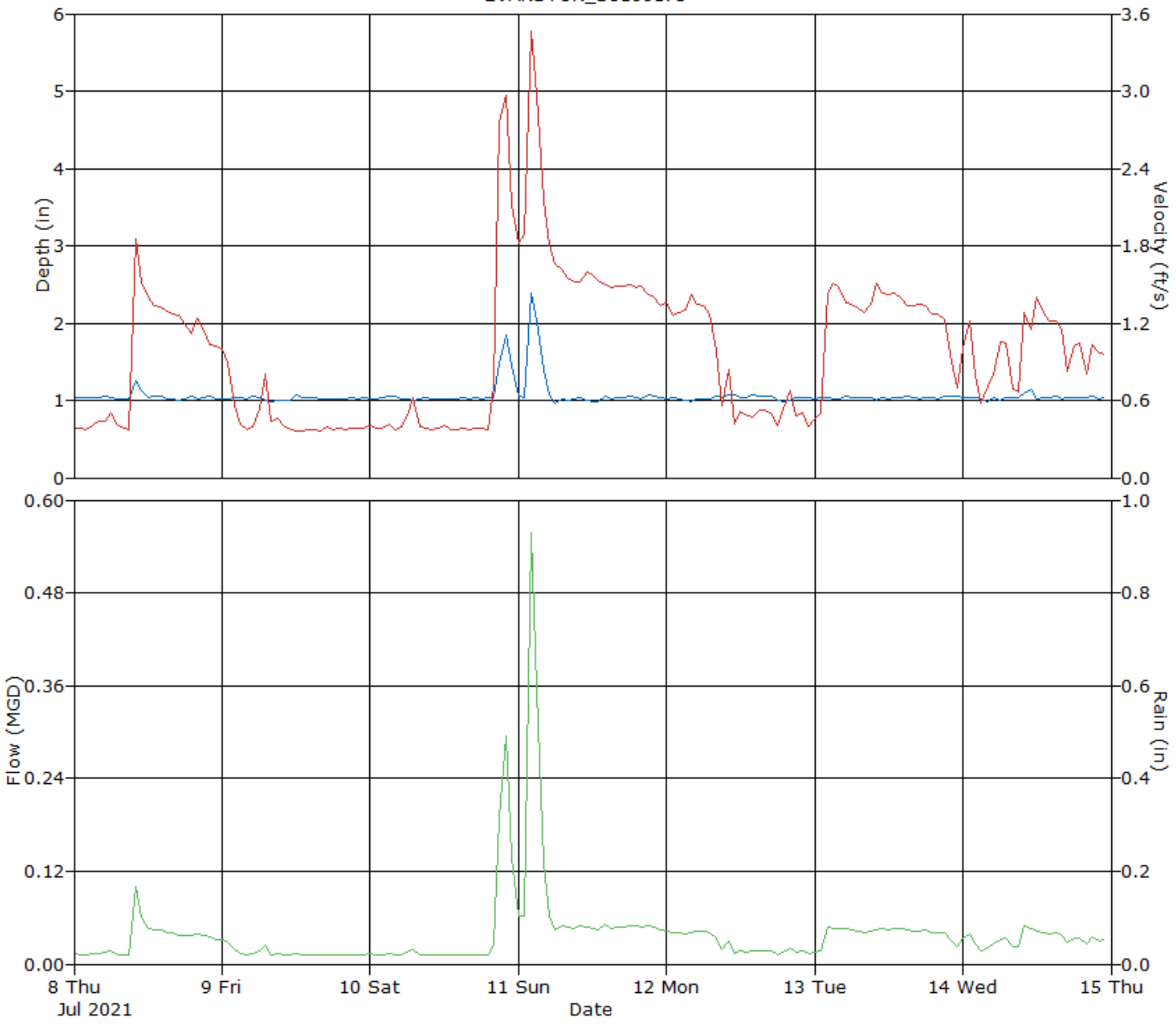
Pipe Height
60.00 in

Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



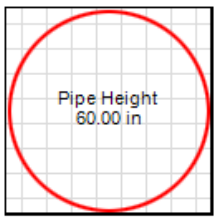
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175



Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



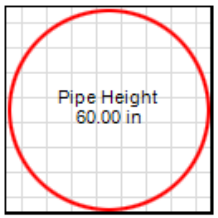
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

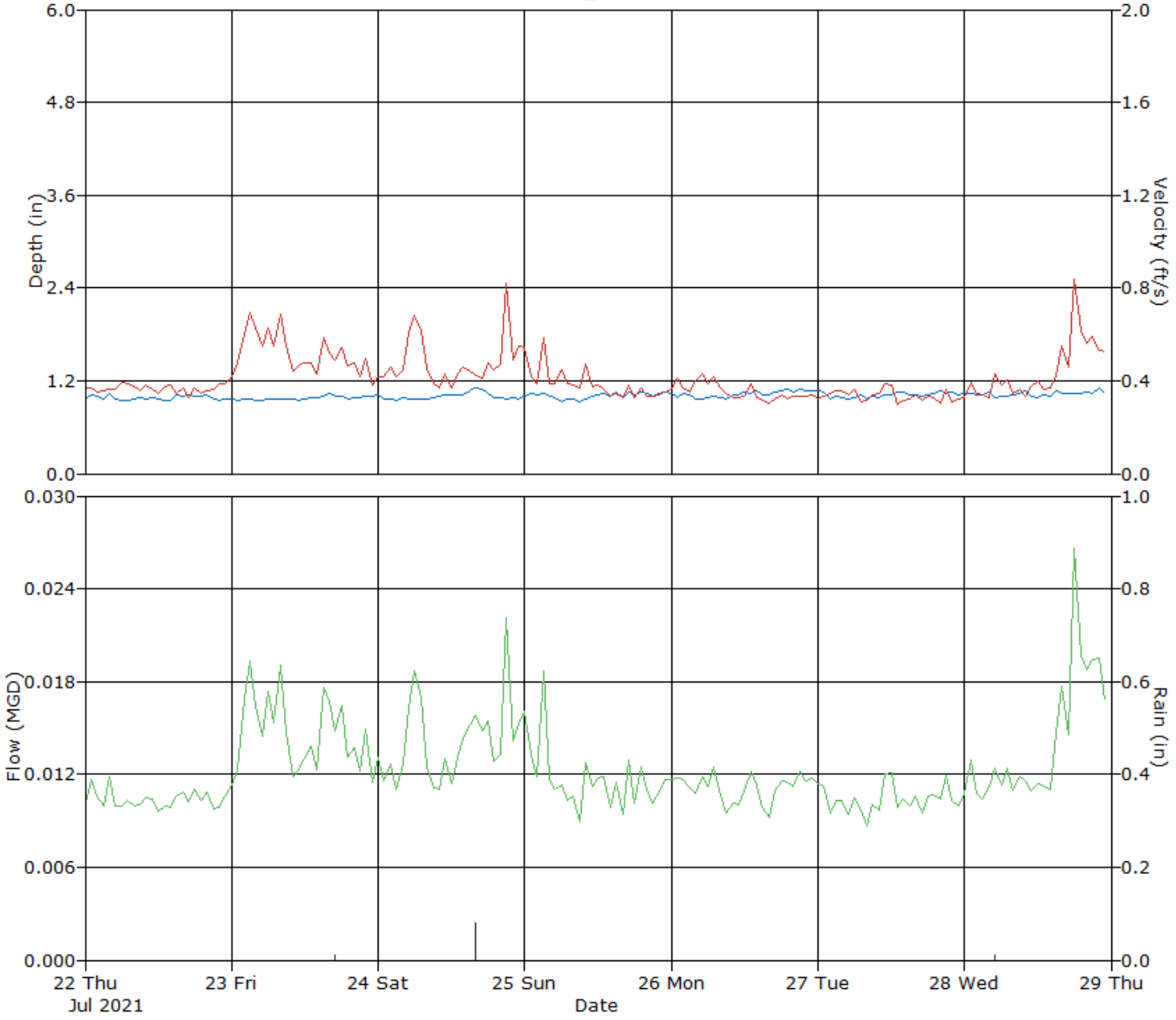


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



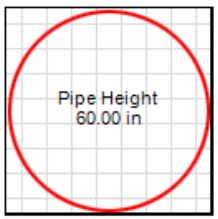
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

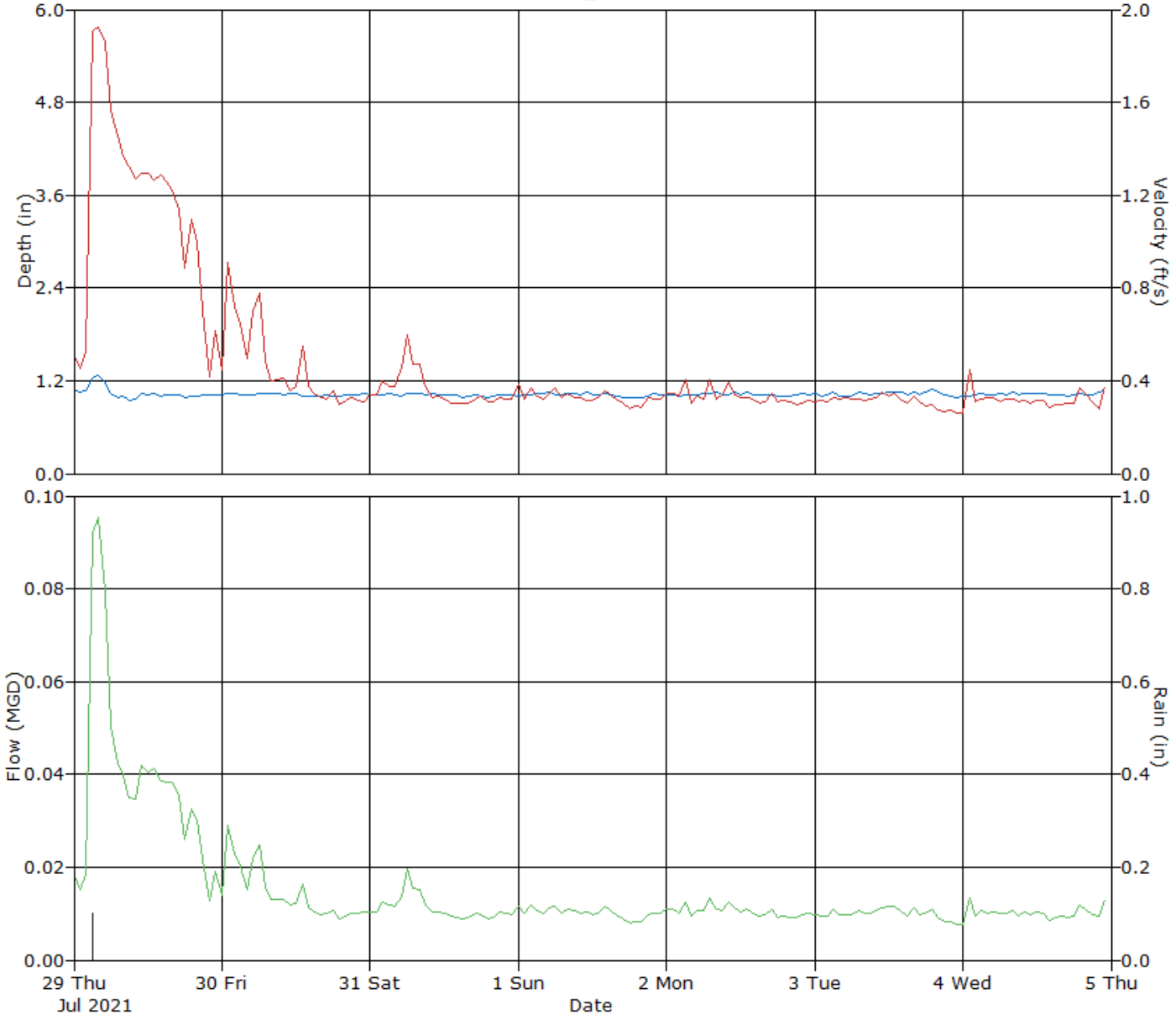


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



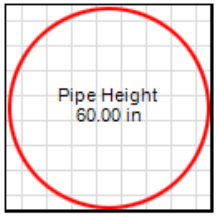
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

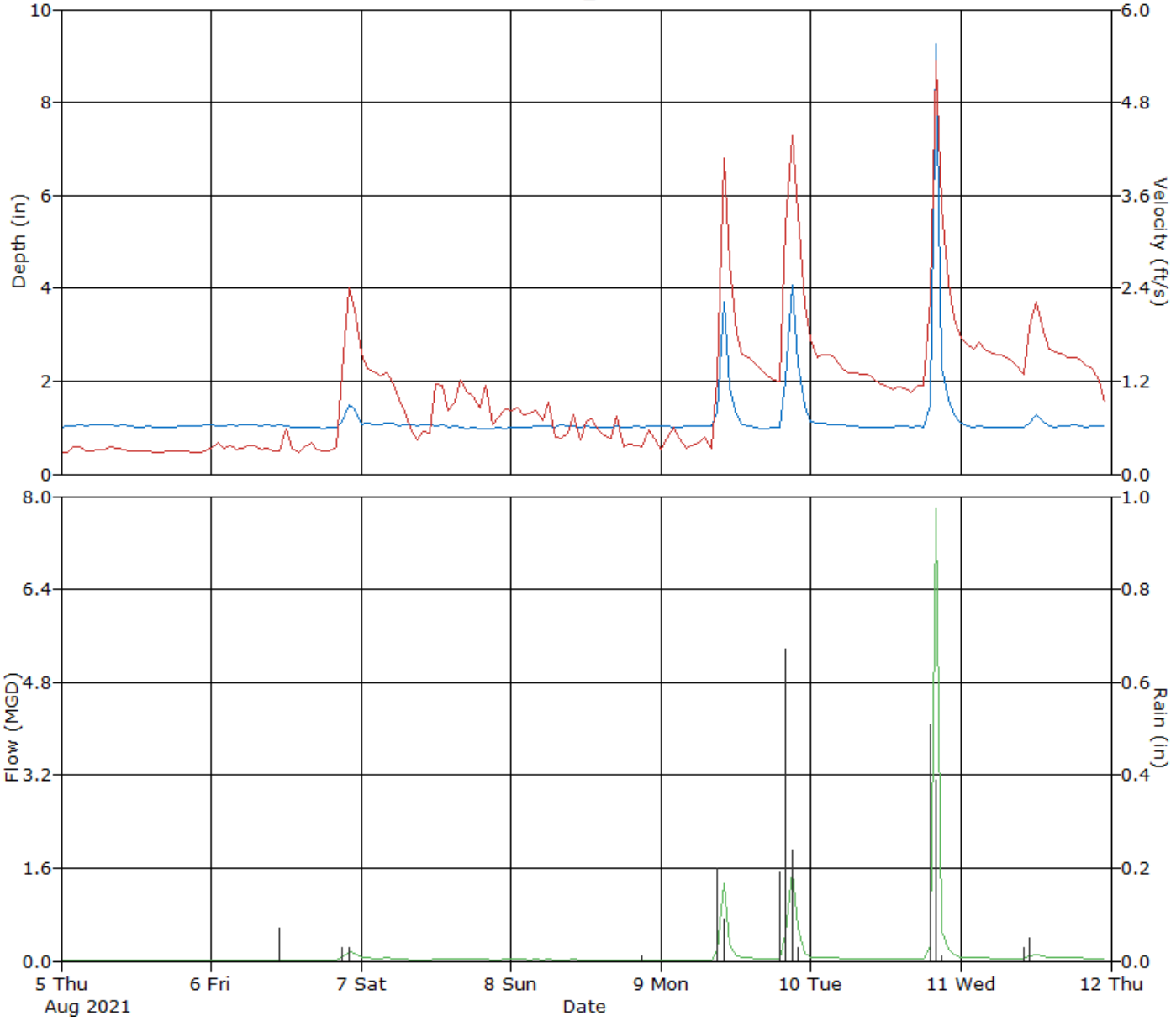


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



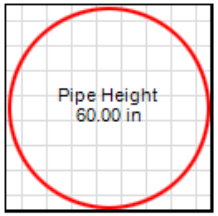
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

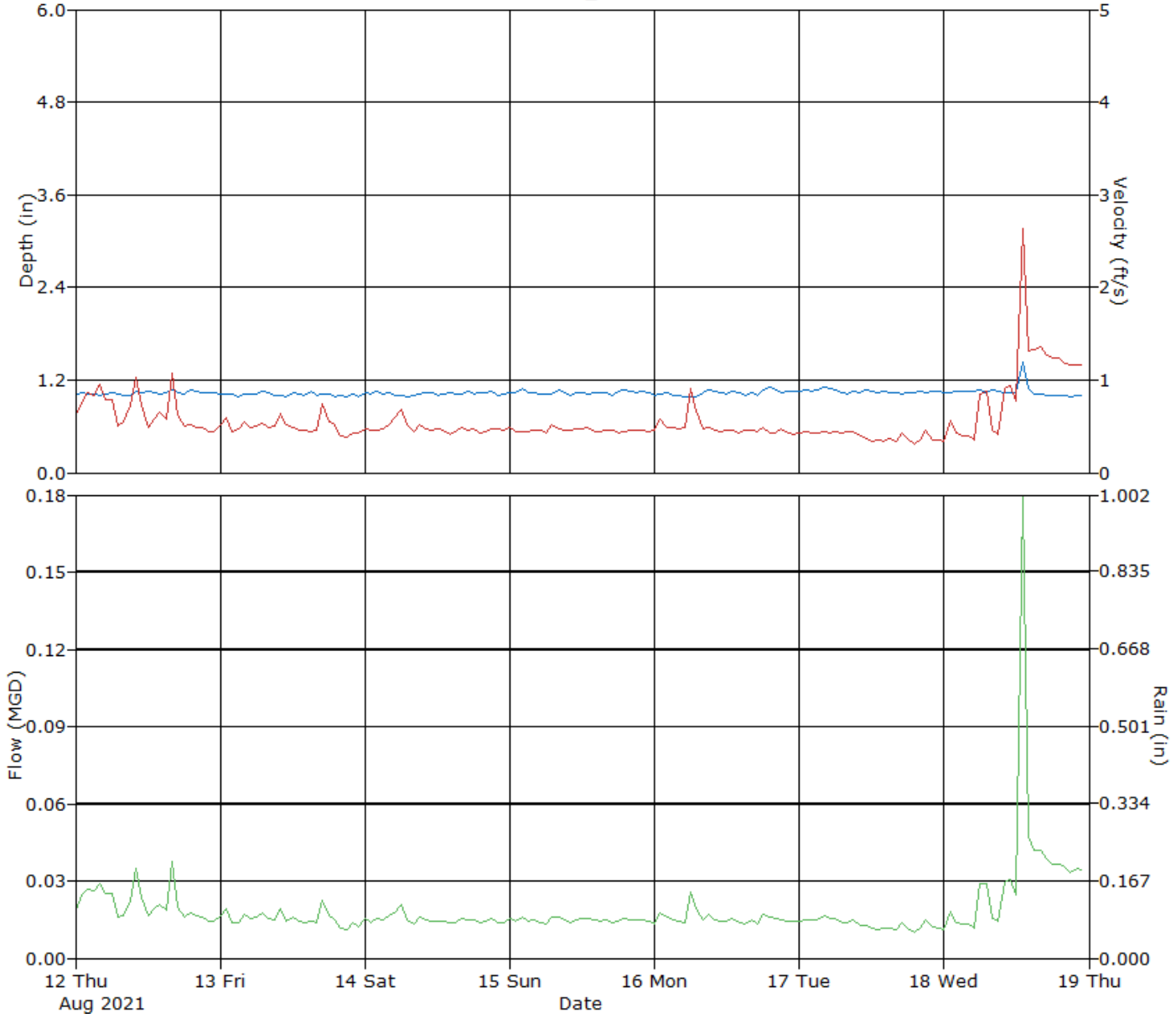


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



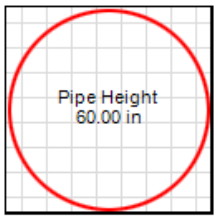
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

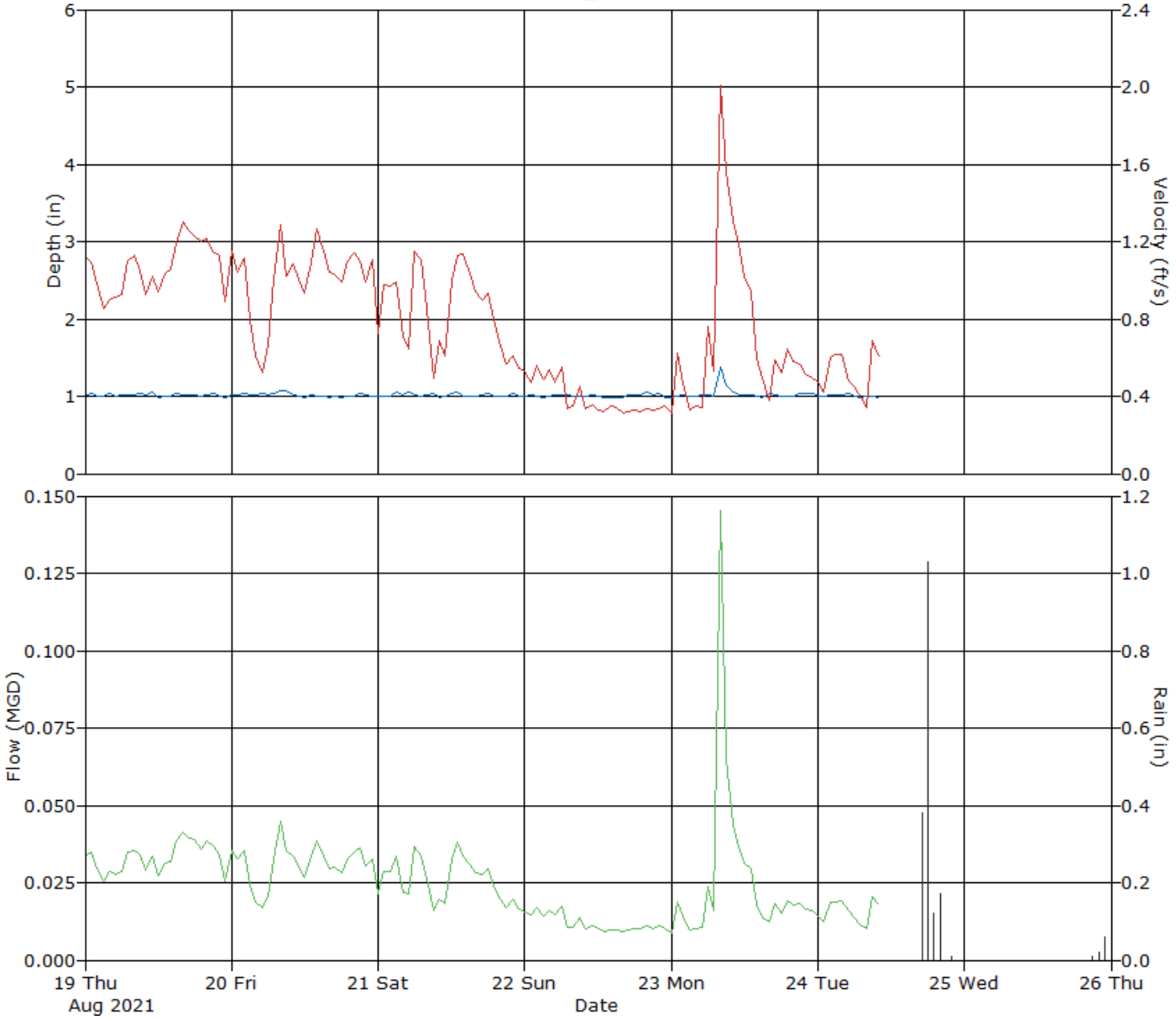


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



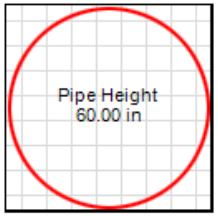
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8100175

Flow Monitor

EVANSTON_S8100175

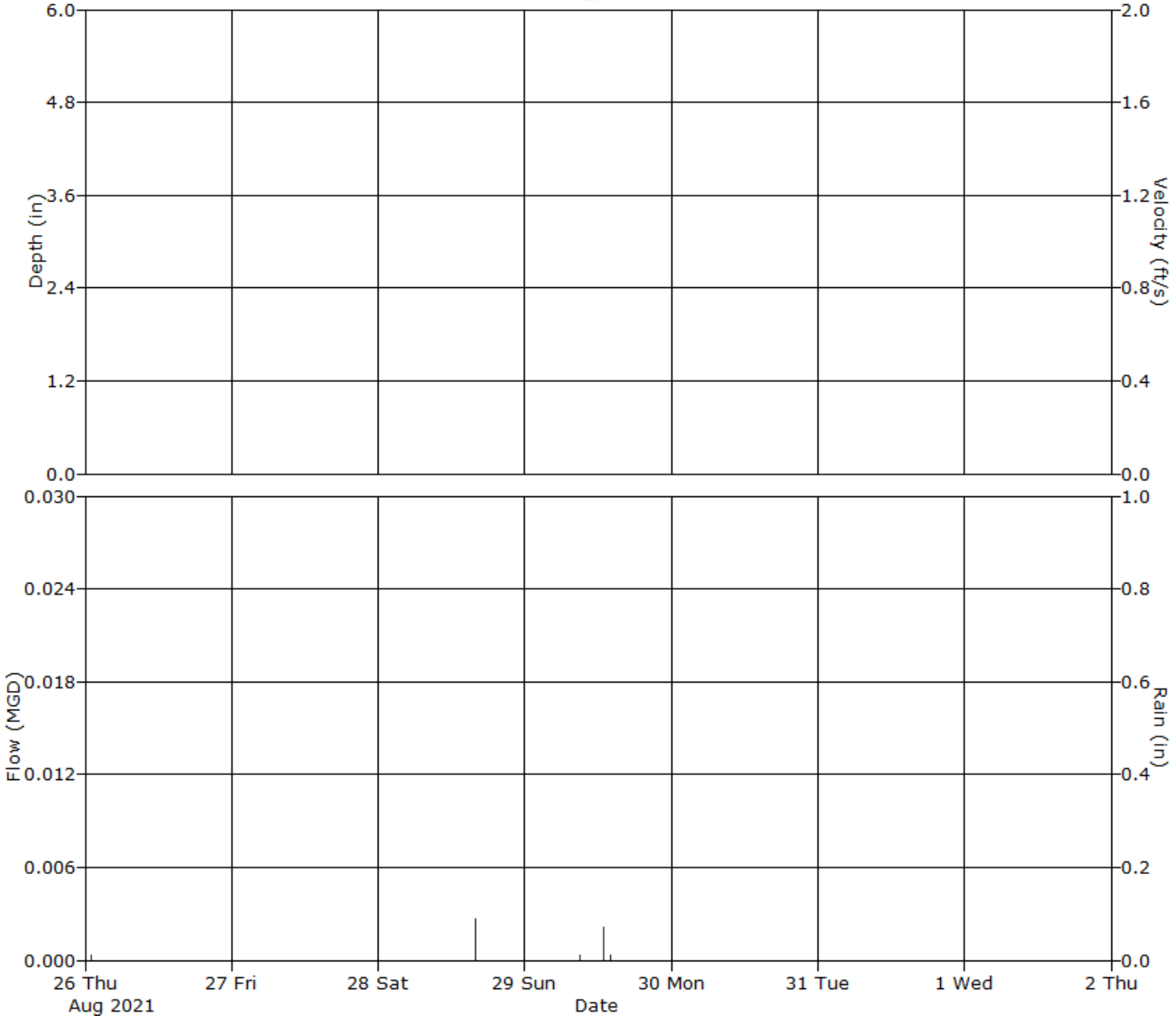


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S8100175, Pipe Height: 60.00 in, Silt: 0.50 in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021	23:55	0.95	16:10	5.70	1.41	04:40	0.40	16:10	4.68	1.55	01:05	0.016	16:10	2.795	0.168	22400	0.22
04/09/2021	03:10	0.92	15:25	1.00	0.96	19:45	1.09	00:25	1.55	1.36	19:45	0.031	12:55	0.045	0.037	4946	
04/10/2021	11:00	0.93	18:35	6.16	1.34	12:05	0.87	18:40	5.33	1.85	12:05	0.022	18:35	3.548	0.196	26256	0.58
04/11/2021	20:15	0.98	00:00	1.11	1.03	23:35	1.27	00:05	1.86	1.56	17:15	0.040	00:00	0.070	0.049	6606	
04/12/2021	19:30	0.98	11:50	1.45	1.05	15:35	0.45	11:25	2.68	1.33	18:00	0.014	11:40	0.161	0.046	6197	0.02
04/13/2021	18:00	0.95	21:45	1.07	0.99	23:45	0.37	00:50	1.29	0.60	23:45	0.011	00:50	0.040	0.017	2336	
04/14/2021	10:55	0.95	00:55	1.02	0.98	00:20	0.37	10:10	0.65	0.48	00:20	0.011	10:10	0.018	0.014	1811	
04/15/2021	05:50	0.94	09:40	0.99	0.96	22:50	0.40	00:20	1.14	0.46	21:55	0.010	00:20	0.031	0.013	1678	
04/16/2021	09:45	0.93	12:05	0.99	0.96	22:00	0.38	15:15	0.82	0.43	05:15	0.010	15:15	0.023	0.012	1573	
04/17/2021	21:40	0.92	16:55	1.00	0.96	03:00	0.38	10:10	0.95	0.43	22:00	0.010	10:10	0.026	0.012	1545	
04/18/2021	17:50	0.91	23:00	1.03	0.95	21:30	0.38	23:55	0.61	0.42	14:30	0.009	23:55	0.017	0.011	1501	
04/19/2021	15:20	0.92	23:40	1.06	0.96	00:45	0.38	05:30	1.01	0.43	17:15	0.010	05:30	0.027	0.012	1550	
04/20/2021	13:35	0.92	00:00	1.03	0.97	11:55	0.35	08:55	0.59	0.40	11:55	0.009	08:55	0.017	0.011	1471	
04/21/2021	01:40	0.91	10:20	1.09	0.97	03:05	0.32	14:05	0.55	0.40	03:00	0.008	14:05	0.015	0.011	1474	0.02
04/22/2021	05:50	0.91	23:50	1.05	0.98	12:55	0.37	23:05	0.55	0.40	05:50	0.009	16:00	0.015	0.011	1530	
04/23/2021	07:55	0.94	23:15	1.09	0.99	11:50	0.36	05:25	0.81	0.41	12:45	0.010	05:25	0.023	0.012	1584	
04/24/2021	02:50	0.95	23:50	1.07	0.99	23:45	0.37	12:45	0.52	0.40	02:00	0.010	15:40	0.015	0.012	1554	
04/25/2021	05:50	0.96	14:55	1.10	1.01	20:05	0.36	22:10	0.60	0.40	05:50	0.010	22:05	0.018	0.012	1629	
04/26/2021	20:10	0.92	00:20	1.10	1.00	23:45	0.35	15:50	1.36	0.49	20:10	0.010	15:10	0.037	0.014	1913	
04/27/2021	06:05	0.96	02:50	1.11	1.00	01:00	0.31	19:25	0.90	0.42	00:10	0.010	19:40	0.027	0.013	1692	
04/28/2021	10:30	0.94	15:05	1.86	1.03	23:40	0.34	14:35	3.52	0.75	23:30	0.010	15:05	0.343	0.030	4057	0.03
04/29/2021	05:25	0.93	08:35	1.42	1.02	05:05	0.31	08:30	2.33	1.22	05:05	0.008	08:35	0.142	0.040	5369	0.07
04/30/2021	21:20	0.94	11:20	1.04	0.99	23:05	0.71	03:20	1.43	1.18	23:05	0.020	00:25	0.042	0.034	4568	
05/01/2021	12:25	0.92	09:25	2.20	1.04	22:50	0.38	09:15	3.76	1.12	22:50	0.011	09:25	0.501	0.046	6177	
05/02/2021	07:50	0.94	07:20	1.07	0.99	10:25	0.43	23:55	1.30	0.75	10:25	0.012	19:40	0.039	0.022	2918	
05/03/2021	23:00	0.93	21:15	1.04	0.98	01:35	0.44	22:10	1.79	1.29	00:00	0.013	21:05	0.056	0.037	4937	0.11
05/04/2021	09:15	0.94	18:55	1.08	1.00	21:20	1.00	00:15	1.63	1.32	21:20	0.029	02:40	0.051	0.039	5208	0.01
05/05/2021	13:50	0.95	22:30	1.06	1.00	18:15	0.36	15:35	1.39	1.01	18:15	0.010	15:35	0.045	0.030	4001	
05/06/2021	13:30	0.95	02:05	1.06	1.00	07:30	0.42	10:05	1.48	1.01	06:35	0.012	12:55	0.044	0.030	3994	0.05
05/07/2021	12:45	0.95	11:05	1.14	1.00	21:45	0.34	22:50	1.39	0.61	21:45	0.010	22:50	0.042	0.018	2442	
05/08/2021	17:05	0.97	17:30	1.07	1.01	04:00	0.35	00:15	1.21	0.43	04:00	0.010	00:15	0.035	0.013	1744	
05/09/2021	20:45	0.96	15:15	1.11	1.01	23:50	0.35	23:35	0.87	0.43	10:10	0.010	23:35	0.026	0.013	1724	0.05
05/10/2021	21:25	0.96	00:10	1.12	1.01	19:40	0.30	03:55	1.16	0.44	19:40	0.009	03:55	0.035	0.013	1800	
05/11/2021	15:35	0.97	04:50	1.08	1.01	18:15	0.33	17:50	0.75	0.40	18:20	0.010	17:50	0.022	0.012	1633	
05/12/2021	02:50	0.87	03:45	1.12	1.01	05:45	0.34	04:05	1.02	0.41	02:45	0.010	03:55	0.035	0.013	1697	
05/13/2021	07:40	0.98	00:00	1.04	1.00	16:15	0.34	10:40	0.52	0.38	02:45	0.010	10:40	0.016	0.012	1539	
05/14/2021	00:05	0.98	07:35	1.09	1.01	14:20	0.31	09:10	0.95	0.42	14:20	0.009	09:10	0.031	0.013	1698	
05/15/2021	15:00	0.94	19:00	1.13	1.00	02:10	0.34	13:50	1.65	0.82	02:15	0.010	12:15	0.049	0.024	3216	0.01
05/16/2021	02:30	0.96	08:50	1.08	1.01	21:55	0.35	04:45	1.33	0.50	21:55	0.011	04:45	0.044	0.016	2085	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	23:50	0.96 04:35	1.10	1.02	16:55	0.33 15:35	1.83	0.51	16:55	0.010 15:35	0.056	0.016	2130	
05/18/2021	23:45	0.97 19:20	1.12	1.01	01:50	0.34 20:20	1.75	0.77	17:15	0.010 21:55	0.059	0.023	3112	0.09
05/19/2021	15:40	0.94 11:30	1.50	1.04	03:40	1.23 11:25	2.68	1.53	06:30	0.037 11:30	0.182	0.052	7015	0.10
05/20/2021	23:50	0.96 04:15	1.16	1.02	23:30	0.87 06:15	1.60	1.36	23:30	0.026 04:15	0.063	0.042	5640	
05/21/2021	00:05	0.96 22:45	1.11	1.01	18:50	0.34 02:40	1.62	1.12	18:50	0.011 02:40	0.050	0.034	4597	
05/22/2021	17:50	0.97 06:05	1.06	1.01	20:20	0.47 05:20	1.52	1.13	20:20	0.014 05:20	0.049	0.035	4630	
05/23/2021	16:10	0.97 21:35	1.85	1.09	04:45	0.31 21:35	3.49	1.35	04:45	0.009 21:35	0.346	0.059	7943	0.10
05/24/2021	00:40	0.92 16:50	1.14	1.02	21:10	1.01 00:00	1.82	1.37	20:55	0.032 00:00	0.061	0.042	5624	
05/25/2021	21:20	0.99 09:55	1.07	1.02	10:40	0.31 04:30	1.42	1.00	10:40	0.010 04:30	0.046	0.031	4172	
05/26/2021	13:50	0.96 02:20	3.58	1.26	00:20	0.44 02:20	4.07	1.88	00:20	0.013 02:20	1.191	0.128	17164	1.46
05/27/2021	10:25	0.99 20:00	1.09	1.02	15:05	0.42 05:20	1.39	1.19	15:05	0.013 20:00	0.047	0.037	4957	0.03
05/28/2021	09:50	0.94 07:05	1.40	1.06	22:20	1.17 06:25	2.55	1.49	00:00	0.035 07:05	0.143	0.053	7075	0.23
05/29/2021	04:30	0.97 02:35	1.08	1.01	10:35	0.30 04:40	1.45	0.89	10:35	0.009 02:35	0.046	0.027	3638	
05/30/2021	14:30	0.99 16:10	1.07	1.02	13:50	0.35 02:30	0.93	0.42	13:50	0.011 02:30	0.029	0.013	1734	
05/31/2021	02:45	0.96 08:00	1.08	1.02	15:00	0.34 03:25	1.05	0.42	15:00	0.010 03:30	0.033	0.013	1781	
06/01/2021	10:00	0.93 01:40	1.10	1.02	04:25	0.31 10:15	1.70	0.78	04:25	0.009 11:25	0.057	0.024	3243	
06/02/2021	09:15	0.97 00:30	1.05	1.01	16:20	0.33 06:50	0.83	0.42	21:15	0.010 06:25	0.026	0.013	1711	
06/03/2021	03:30	0.98 21:05	1.06	1.01	05:40	0.33 22:55	0.89	0.39	05:45	0.010 22:55	0.027	0.012	1592	
06/04/2021	20:05	0.95 07:55	1.07	1.01	13:10	0.32 06:25	1.03	0.41	20:10	0.009 06:25	0.032	0.013	1677	
06/05/2021	19:45	0.97 00:20	1.05	1.01	07:35	0.32 03:25	1.11	0.45	07:35	0.009 03:25	0.035	0.014	1811	
06/06/2021	21:45	0.95 22:45	1.06	1.00	11:40	0.33 21:05	1.34	0.57	12:15	0.009 21:05	0.039	0.017	2261	
06/07/2021	19:20	0.97 07:20	1.15	1.01	02:25	0.40 22:20	1.43	1.12	02:25	0.013 07:20	0.056	0.034	4610	
06/08/2021	06:45	0.97 18:55	1.10	1.01	08:30	0.70 16:40	1.46	1.18	08:30	0.020 18:55	0.049	0.036	4847	
06/09/2021	12:15	0.98 04:55	1.10	1.02	19:15	0.84 05:30	1.49	1.20	19:15	0.026 05:00	0.047	0.038	5025	
06/10/2021	19:00	0.98 15:25	1.04	1.01	02:20	0.84 06:45	1.40	1.14	02:20	0.025 06:45	0.044	0.035	4671	
06/11/2021	00:30	0.98 00:40	1.14	1.02	00:15	0.71 02:35	1.39	1.14	00:15	0.021 22:30	0.048	0.036	4795	
06/12/2021	23:10	0.94 15:55	1.79	1.06	08:45	0.80 15:45	3.49	1.36	08:45	0.026 15:50	0.325	0.051	6855	0.62
06/13/2021	02:50	0.92 05:50	1.05	0.99	22:05	0.41 17:45	1.51	1.20	22:05	0.012 05:50	0.048	0.035	4685	
06/14/2021	18:00	0.95 03:25	1.06	1.00	12:50	0.34 07:25	1.47	0.97	11:45	0.010 06:25	0.044	0.029	3868	
06/15/2021	01:20	0.95 23:30	1.05	0.99	22:40	0.29 18:00	1.27	0.63	22:40	0.008 00:05	0.038	0.019	2477	
06/16/2021	21:30	0.95 05:55	1.08	1.00	08:20	0.29 05:30	1.31	0.72	17:20	0.009 06:00	0.044	0.021	2869	
06/17/2021	22:55	0.94 01:10	1.04	0.98	12:25	0.30 15:10	1.40	0.58	14:40	0.008 15:10	0.039	0.016	2188	
06/18/2021	00:35	0.94 05:10	8.03	1.25	00:35	0.31 05:05	4.90	1.58	00:35	0.008 05:10	4.864	0.156	20866	0.38
06/19/2021	17:40	0.95 04:10	1.08	1.00	14:35	0.36 05:10	1.53	1.14	14:35	0.010 05:00	0.046	0.034	4592	
06/20/2021	15:00	0.95 23:35	27.40	1.65	07:30	0.39 23:30	10.65	1.41	07:30	0.012 23:35	55.234	1.009	134846	1.78
06/21/2021	11:05	0.94 00:00	11.05	1.27	23:15	0.90 00:00	5.50	1.74	23:15	0.028 00:00	8.736	0.179	23921	0.03
06/22/2021	03:20	0.95 23:20	1.11	1.01	13:40	0.34 01:55	1.31	0.48	03:45	0.010 01:55	0.036	0.015	1964	
06/23/2021	04:50	0.94 10:10	1.54	1.04	07:00	0.33 10:00	3.11	0.69	04:50	0.009 10:10	0.208	0.027	3547	
06/24/2021	20:30	0.96 16:15	1.91	1.13	03:00	0.33 16:10	3.48	1.07	00:10	0.010 16:10	0.364	0.059	7829	0.31
06/25/2021	20:10	0.94 05:25	6.95	1.56	23:25	1.36 05:25	5.11	2.23	20:10	0.037 05:25	4.102	0.283	37862	0.03
06/26/2021	01:25	0.95 11:55	14.18	1.77	00:15	1.33 11:50	7.27	2.42	01:25	0.036 11:55	15.771	0.496	66367	0.01
06/27/2021	18:20	0.99 08:20	1.06	1.03	21:20	0.48 05:10	1.71	1.07	22:45	0.014 02:10	0.057	0.034	4554	0.02
06/28/2021	17:50	0.96 08:20	1.21	1.01	03:50	0.44 08:10	2.11	1.09	03:50	0.013 08:15	0.093	0.034	4483	0.02
06/29/2021	01:55	0.95 11:00	2.89	1.16	06:15	0.53 10:45	4.07	1.64	01:55	0.014 11:00	0.841	0.092	12232	0.02
06/30/2021	11:05	0.94 03:00	1.01	0.98	15:05	0.43 18:55	1.66	1.27	15:05	0.012 19:30	0.048	0.036	4789	0.02
07/01/2021	20:05	0.92 23:50	1.06	0.97	15:00	0.38 00:50	1.50	0.67	14:35	0.010 00:00	0.043	0.019	2496	0.01
07/02/2021	14:45	0.94 11:55	1.51	1.00	23:30	0.38 11:35	3.28	0.64	23:50	0.011 11:40	0.203	0.021	2870	0.01
07/03/2021	05:10	0.92 15:35	1.07	0.99	18:10	0.39 07:10	1.00	0.45	18:10	0.010 17:25	0.030	0.013	1747	
07/04/2021	04:50	0.95 18:40	1.10	1.01	15:15	0.39 22:25	0.82	0.45	15:05	0.011 22:25	0.025	0.013	1803	
07/05/2021	01:25	0.94 14:25	1.15	1.02	03:40	0.37 07:10	1.17	0.48	01:25	0.011 08:50	0.034	0.015	2007	
07/06/2021	17:50	0.95 15:45	1.10	1.03	17:05	0.37 18:20	1.09	0.47	17:50	0.011 17:00	0.034	0.015	2009	
07/07/2021	05:15	0.98 05:50	1.12	1.04	22:10	0.36 07:00	1.33	0.53	04:20	0.011 06:45	0.047	0.017	2286	
07/08/2021	17:10	0.97 10:20	1.46	1.05	00:05	0.35 10:15	3.49	0.92	00:25	0.011 10:20	0.223	0.032	4237	
07/09/2021	10:55	0.95 12:35	1.11	1.02	02:30	0.33 00:55	1.30	0.46	11:00	0.010 06:55	0.040	0.015	1954	
07/10/2021	12:20	0.99 22:20	1.90	1.10	19:15	0.35 22:05	3.38	0.69	16:45	0.011 22:05	0.334	0.037	5011	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	06:25	0.95	02:40	2.95	1.14	23:40	1.30	02:30	3.93	1.72	13:20	0.040	02:35	0.837	0.087	11595	
07/12/2021	19:30	0.96	14:25	1.10	1.03	22:45	0.30	10:35	3.11	0.81	21:00	0.010	10:35	0.112	0.026	3409	
07/13/2021	10:10	0.98	22:55	1.13	1.03	00:15	0.32	03:35	1.55	1.25	00:15	0.010	09:30	0.051	0.040	5366	
07/14/2021	04:10	0.97	10:50	1.18	1.04	17:10	0.35	10:35	2.08	1.00	02:05	0.011	10:45	0.087	0.033	4357	
07/15/2021	16:05	0.95	23:55	3.13	1.08	02:30	0.45	23:40	4.03	1.31	02:30	0.015	23:55	0.939	0.063	8384	0.37
07/16/2021	21:55	0.95	00:45	4.63	1.30	20:20	0.31	00:40	4.84	1.52	20:20	0.008	00:40	2.100	0.153	20486	0.32
07/17/2021	19:00	0.92	18:25	1.07	0.98	14:10	0.34	07:30	1.14	0.43	16:45	0.009	07:30	0.033	0.012	1639	
07/18/2021	16:35	0.89	01:55	1.05	0.97	14:00	0.33	10:05	0.66	0.40	16:35	0.008	10:05	0.019	0.011	1471	
07/19/2021	20:55	0.91	22:35	1.07	0.97	18:45	0.34	07:10	1.03	0.41	17:40	0.009	07:10	0.027	0.011	1524	
07/20/2021	14:45	0.89	15:10	1.05	0.97	13:45	0.30	08:55	0.86	0.39	13:50	0.008	08:55	0.023	0.011	1425	
07/21/2021	19:00	0.91	22:40	1.08	0.97	13:20	0.31	06:20	0.61	0.38	19:00	0.008	06:20	0.016	0.010	1387	
07/22/2021	03:45	0.92	04:15	1.13	0.98	17:10	0.32	10:40	0.69	0.37	15:20	0.008	10:40	0.019	0.010	1388	
07/23/2021	01:55	0.91	16:25	1.07	0.98	12:15	0.31	02:20	1.28	0.52	12:15	0.008	02:20	0.034	0.015	1957	0.01
07/24/2021	20:45	0.85	17:55	1.18	1.00	10:00	0.34	06:25	1.19	0.48	20:45	0.008	16:10	0.035	0.014	1885	0.08
07/25/2021	09:20	0.90	20:10	1.11	1.01	14:45	0.31	10:15	1.25	0.39	18:30	0.008	10:15	0.033	0.012	1569	
07/26/2021	04:25	0.93	19:50	1.16	1.03	16:10	0.29	07:15	0.88	0.35	16:05	0.008	07:15	0.024	0.011	1488	
07/27/2021	08:50	0.94	00:25	1.13	1.02	18:30	0.25	11:55	1.28	0.34	08:45	0.008	11:55	0.043	0.010	1388	
07/28/2021	03:00	0.95	22:30	1.15	1.03	17:40	0.28	16:50	1.33	0.44	03:00	0.009	23:10	0.043	0.014	1886	0.01
07/29/2021	09:30	0.93	03:45	1.33	1.04	20:45	0.28	03:20	2.21	1.15	20:45	0.009	03:40	0.113	0.039	5207	0.10
07/30/2021	18:50	0.97	11:40	1.07	1.02	19:15	0.29	03:30	1.23	0.46	19:10	0.008	01:20	0.040	0.014	1913	
07/31/2021	16:50	0.97	06:55	1.07	1.02	16:15	0.29	05:25	1.12	0.36	15:25	0.008	06:50	0.034	0.011	1496	
08/01/2021	19:25	0.95	11:10	1.08	1.02	18:50	0.24	00:05	0.99	0.33	18:45	0.007	00:05	0.030	0.010	1362	
08/02/2021	18:40	0.97	08:40	1.09	1.02	04:25	0.27	03:20	1.28	0.33	02:20	0.008	03:20	0.038	0.010	1401	
08/03/2021	23:50	0.96	19:30	1.11	1.03	23:55	0.24	17:00	0.44	0.31	23:55	0.007	19:20	0.015	0.010	1338	
08/04/2021	00:00	0.96	23:30	1.09	1.03	00:05	0.25	01:40	1.16	0.32	00:00	0.007	23:50	0.037	0.010	1352	
08/05/2021	16:15	0.97	05:25	1.10	1.04	02:15	0.25	02:00	0.89	0.30	16:20	0.007	03:25	0.030	0.010	1318	
08/06/2021	17:50	0.98	23:00	1.54	1.07	14:40	0.27	22:50	2.59	0.55	18:05	0.008	22:55	0.180	0.024	3271	0.13
08/07/2021	20:40	0.95	04:45	1.14	1.03	17:25	0.26	00:00	1.70	0.97	17:25	0.007	00:00	0.063	0.032	4239	
08/08/2021	00:40	0.97	06:25	1.08	1.02	18:05	0.26	17:05	1.28	0.60	18:05	0.007	17:05	0.044	0.019	2545	0.01
08/09/2021	17:15	0.95	10:00	5.16	1.43	07:50	0.25	21:05	4.50	1.51	07:50	0.008	10:00	2.283	0.209	27939	1.42
08/10/2021	10:45	0.96	20:10	16.38	1.49	15:40	0.57	20:00	6.64	1.67	15:40	0.018	20:10	18.444	0.403	53878	0.91
08/11/2021	09:35	0.97	12:15	1.30	1.05	23:20	0.44	12:25	2.24	1.56	23:00	0.014	12:15	0.115	0.053	7035	0.08
08/12/2021	09:15	0.97	15:55	1.15	1.03	00:10	0.37	04:00	1.48	0.67	00:10	0.011	10:15	0.049	0.021	2870	
08/13/2021	19:30	0.95	07:35	1.12	1.01	20:55	0.36	07:05	1.40	0.50	21:25	0.010	07:05	0.047	0.015	2047	
08/14/2021	08:10	0.95	19:55	1.10	1.02	14:20	0.40	06:45	1.54	0.48	08:10	0.011	06:45	0.049	0.015	2002	
08/15/2021	21:05	0.96	03:00	1.16	1.04	06:50	0.41	07:10	1.21	0.46	21:05	0.011	07:10	0.039	0.015	1982	
08/16/2021	07:00	0.95	19:25	1.14	1.03	17:50	0.40	06:40	1.40	0.49	15:35	0.012	06:35	0.038	0.016	2075	
08/17/2021	15:30	0.98	04:40	1.15	1.05	18:50	0.29	21:50	1.17	0.39	18:25	0.009	21:50	0.037	0.013	1768	
08/18/2021	18:00	0.96	13:25	1.69	1.05	09:05	0.30	13:10	3.82	0.95	12:40	0.010	13:25	0.312	0.034	4524	
08/19/2021	14:50	0.94	21:55	1.09	1.02	23:45	0.33	15:50	1.40	1.07	23:45	0.009	16:00	0.047	0.033	4422	
08/20/2021	17:10	0.95	09:00	1.14	1.01	04:15	0.31	08:25	1.77	1.01	04:15	0.010	08:25	0.060	0.031	4161	
08/21/2021	10:40	0.94	13:15	1.10	1.01	03:45	0.30	06:35	1.35	0.84	21:15	0.009	06:40	0.045	0.026	3471	
08/22/2021	10:45	0.94	20:05	1.10	1.01	16:40	0.30	06:25	1.06	0.39	16:40	0.008	05:15	0.032	0.012	1587	
08/23/2021	15:10	0.95	08:40	1.67	1.03	20:20	0.26	08:20	3.61	0.71	20:20	0.008	08:30	0.268	0.026	3503	
08/24/2021	07:15	0.97	05:05	1.08	1.01	09:25	0.29	04:50	1.18	0.51	09:25	0.008	05:00	0.040	0.016	896	1.71
08/25/2021																	0.09
08/26/2021																	0.01
08/27/2021																	
08/28/2021																	0.09
08/29/2021																	0.09
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			868928	11.87
Avg	1.05	0.82	0.047	

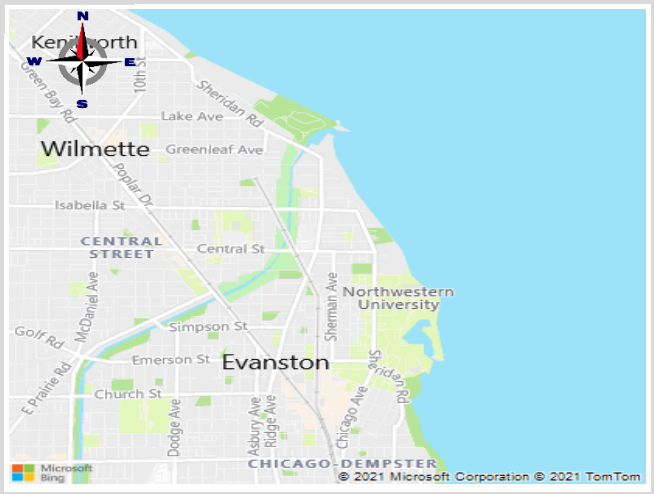
Evanston, IL

Flow Monitoring Site Report

SITE NAME

S8201010

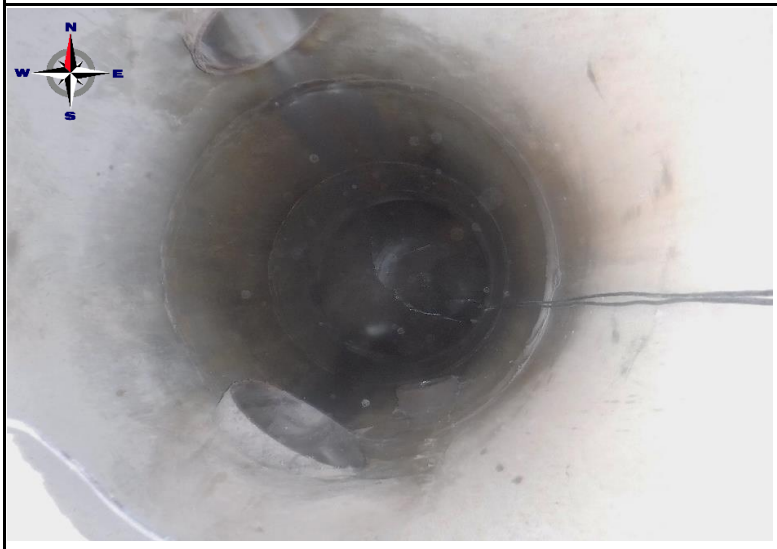
Site Address /Location:	Intersection of Bridge St., Brown Ave., and Simpson St.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in road of Simpson St.	Latitude:	42.055612	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.7003	53.50 x 53.75	Circular



Manhole #	System Characteristics
S82_01010	Other
Access	Traffic
Drive	Medium







Installation Information

Installation Date:	Installation Type:
Wednesday, April 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Upstream 0-5 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4), Smart Depth (CS5)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
11:00:00 AM	53.50 x 53.75
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.38	51.00
Downlooker Physical Offset (in)	Measurement Confidence (in)
1.38	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
0	0
Silt (in)	Silt Type
0	

Hydraulic Comments:
Wet weather influenced

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
19.5	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	48
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
No	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Additional Photos

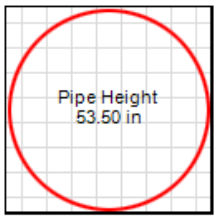
Upstream 	Downstream 	
		

SCATTERGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

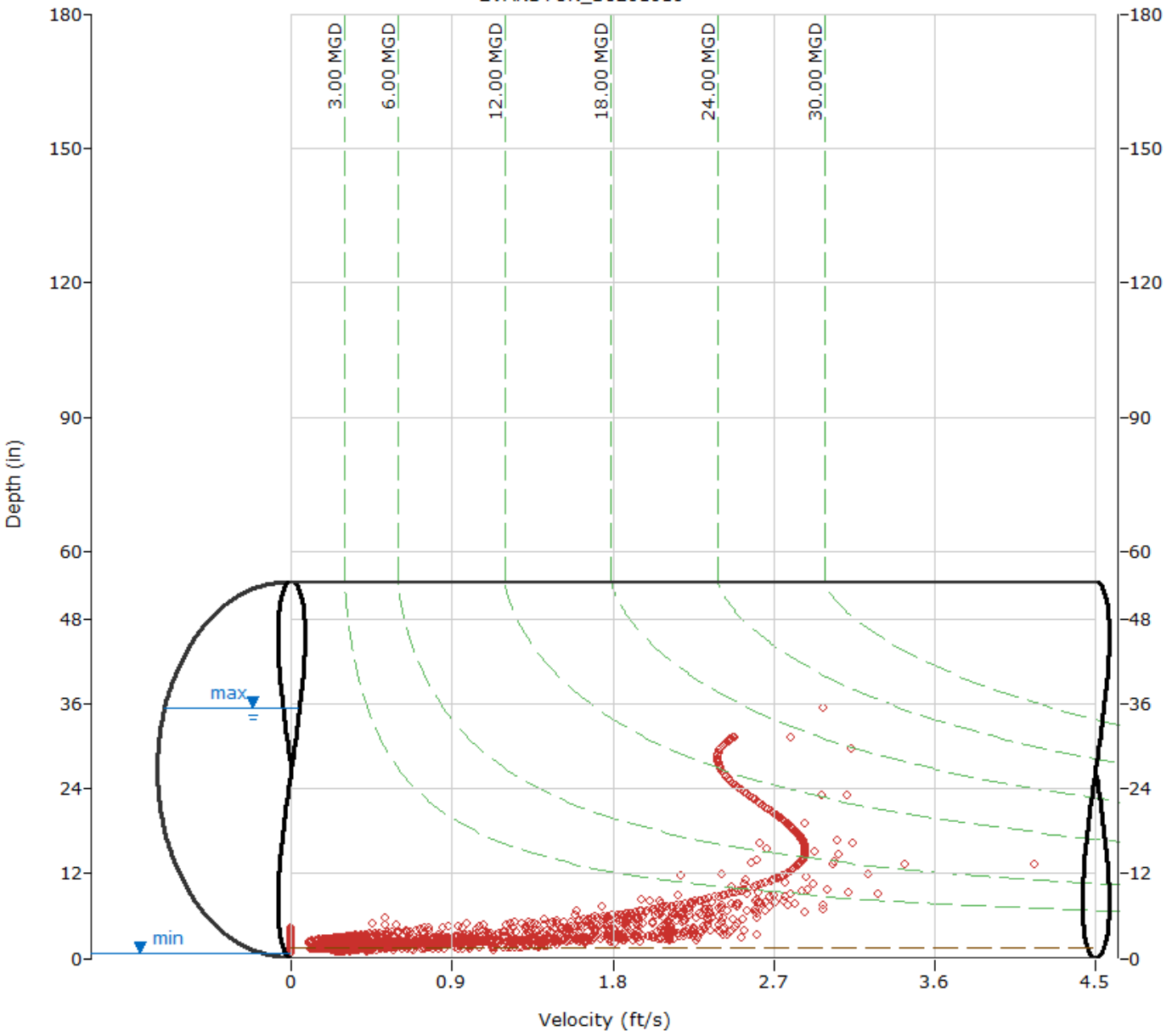


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



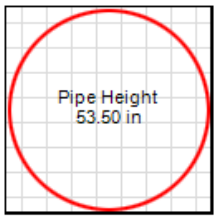
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

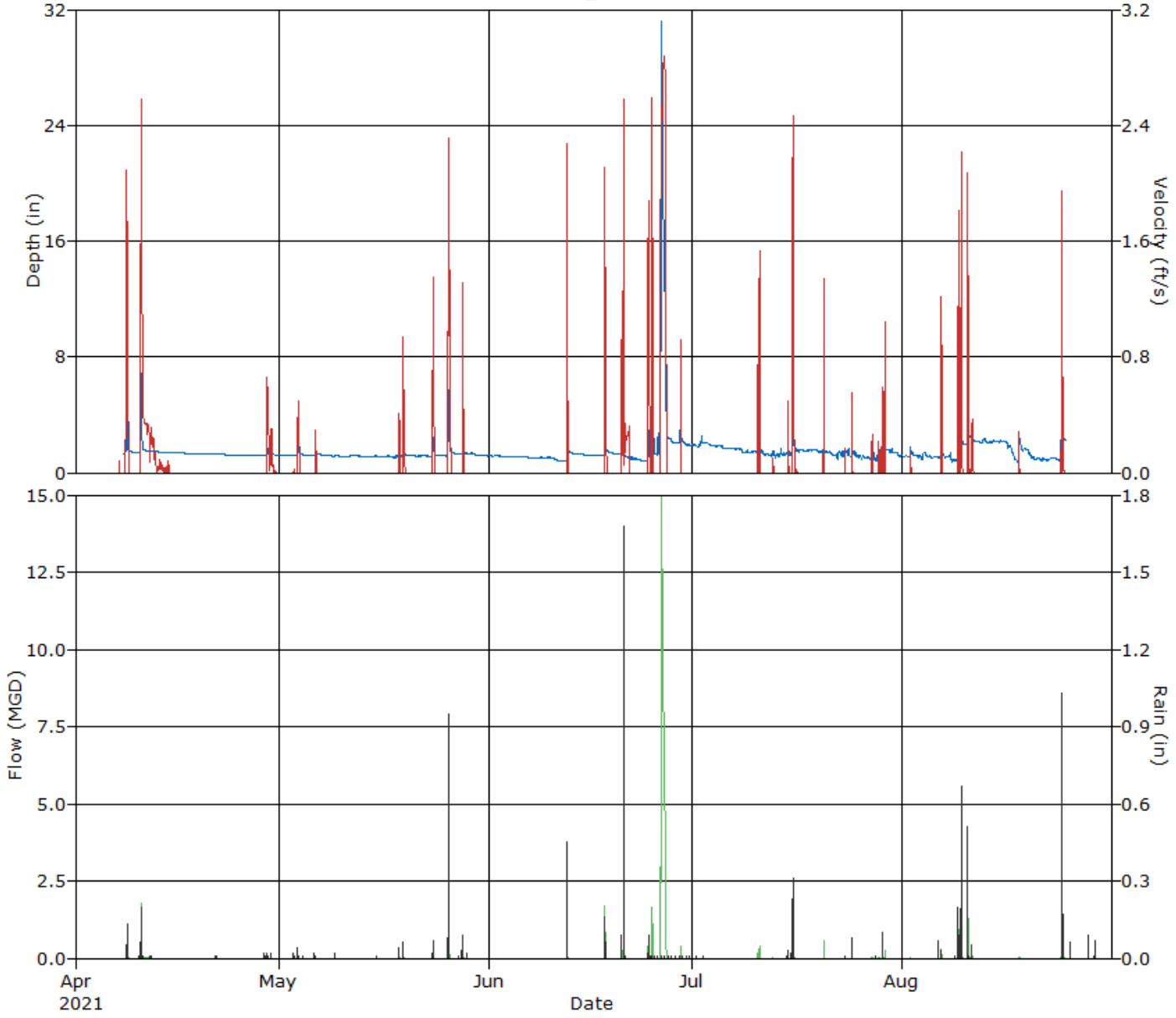


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



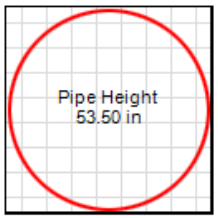
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

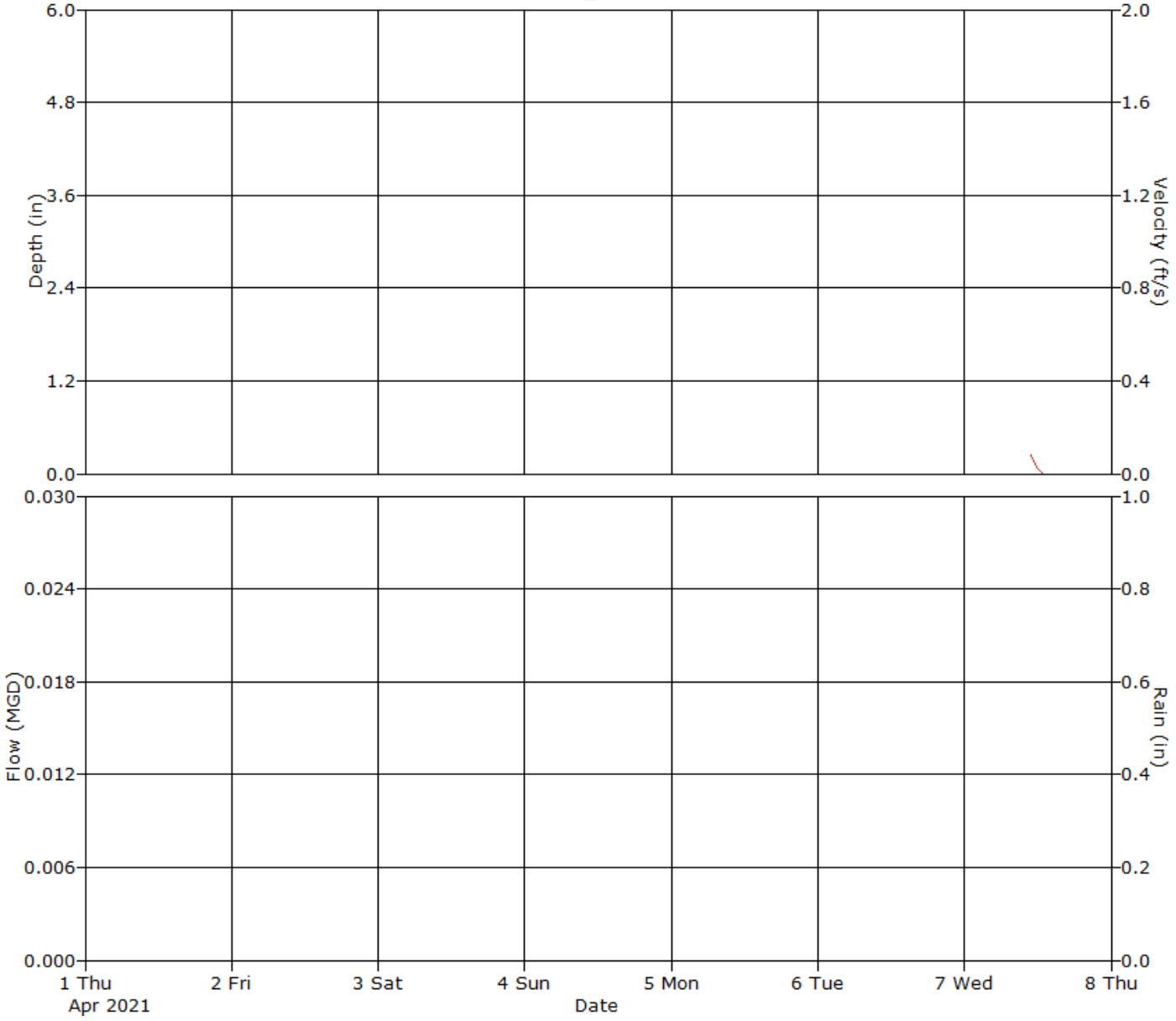


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



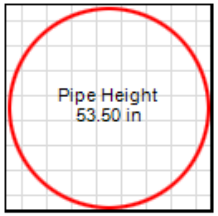
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

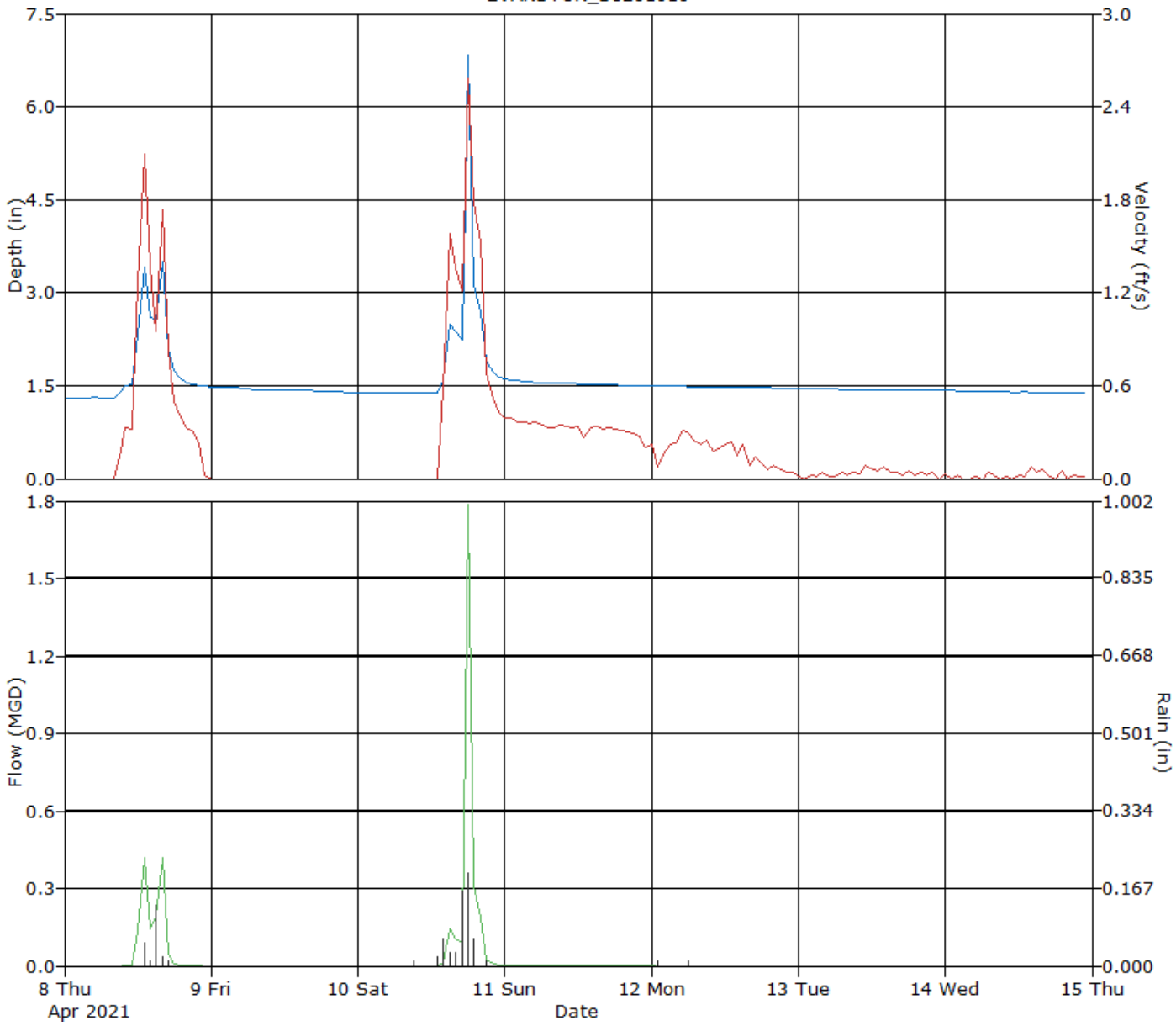


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



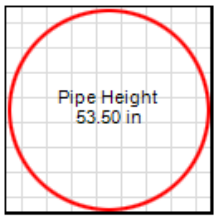
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

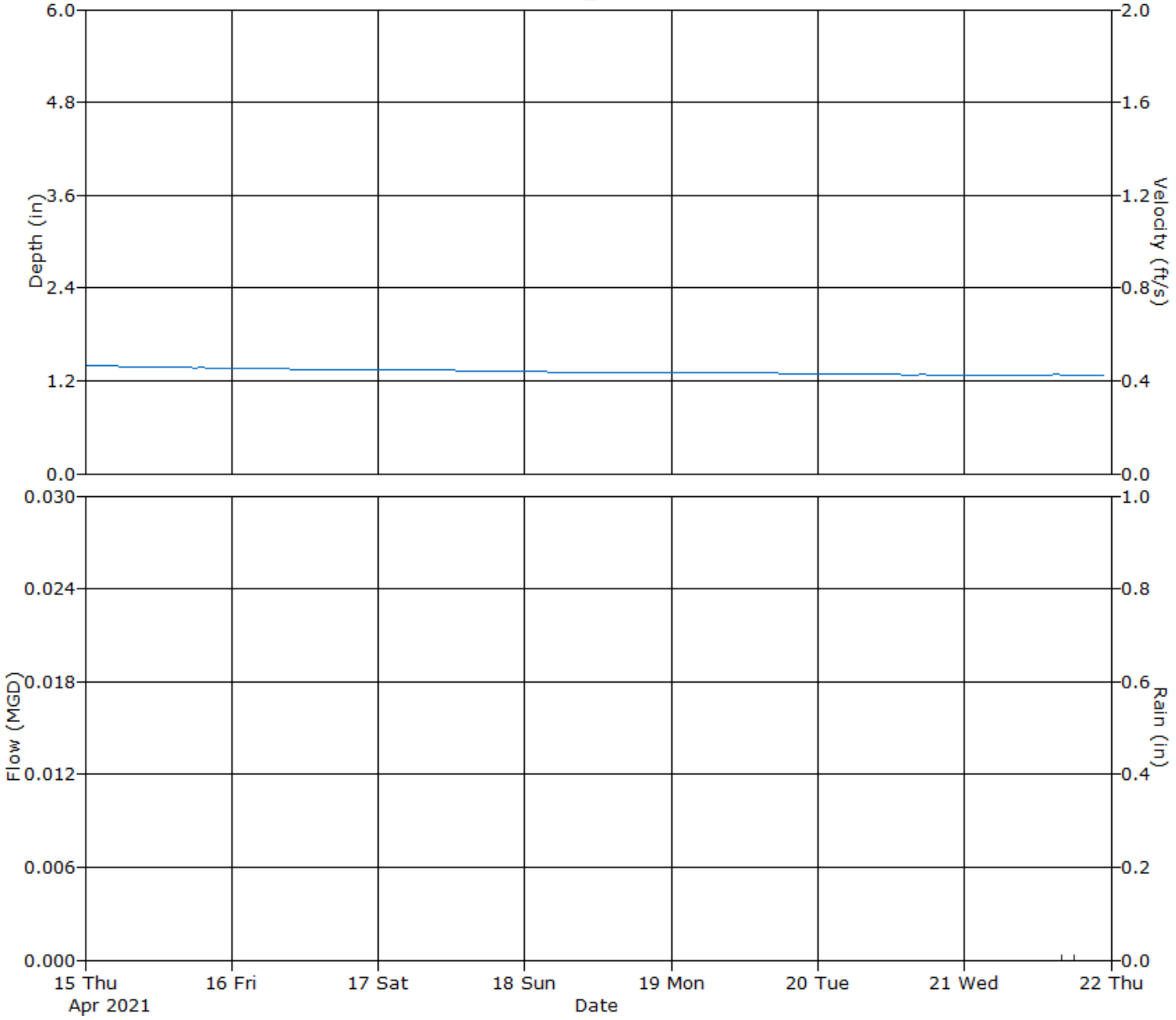


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



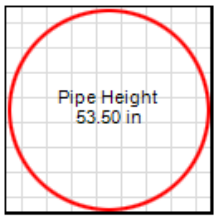
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

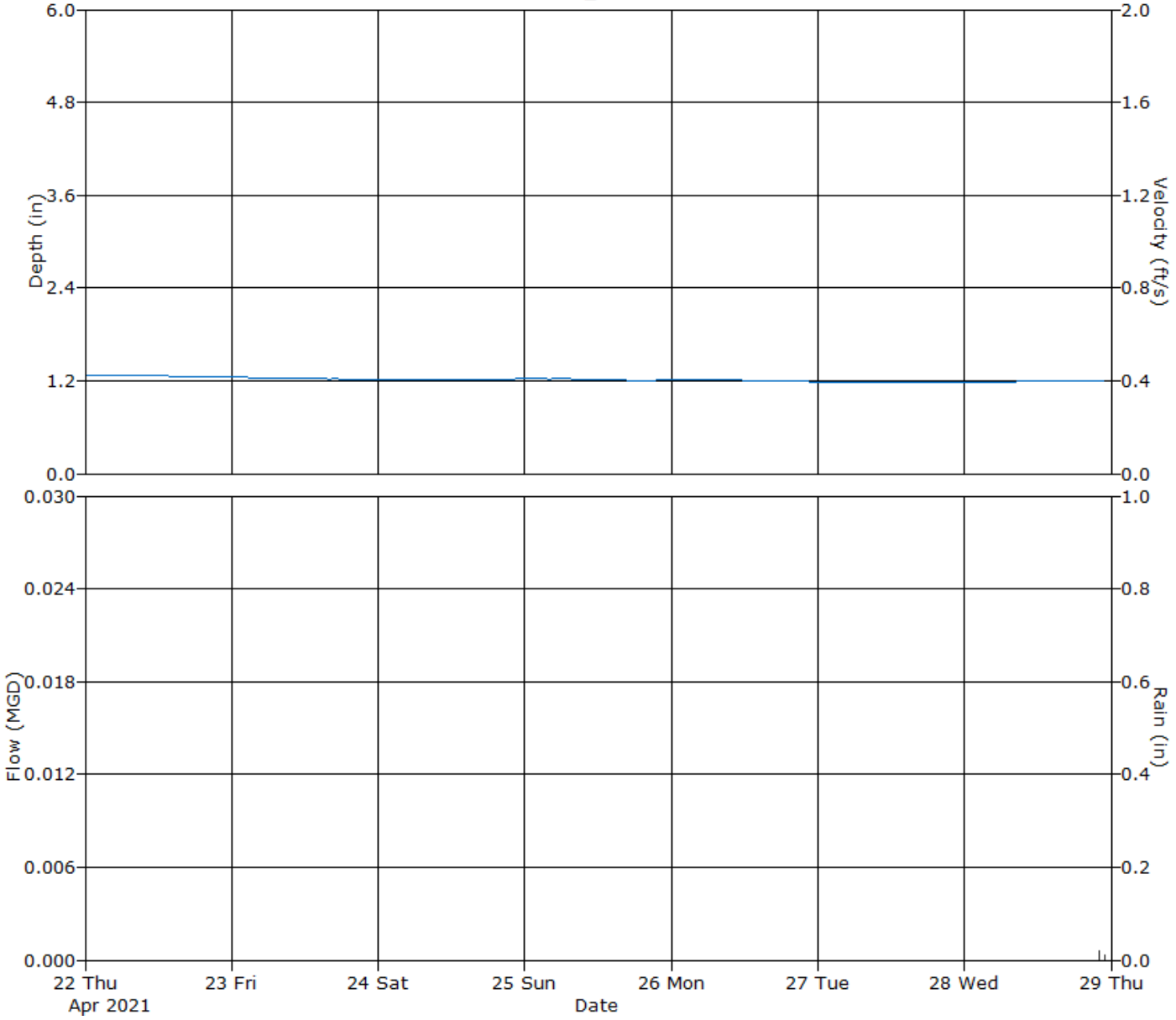


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



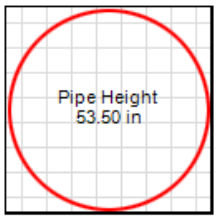
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

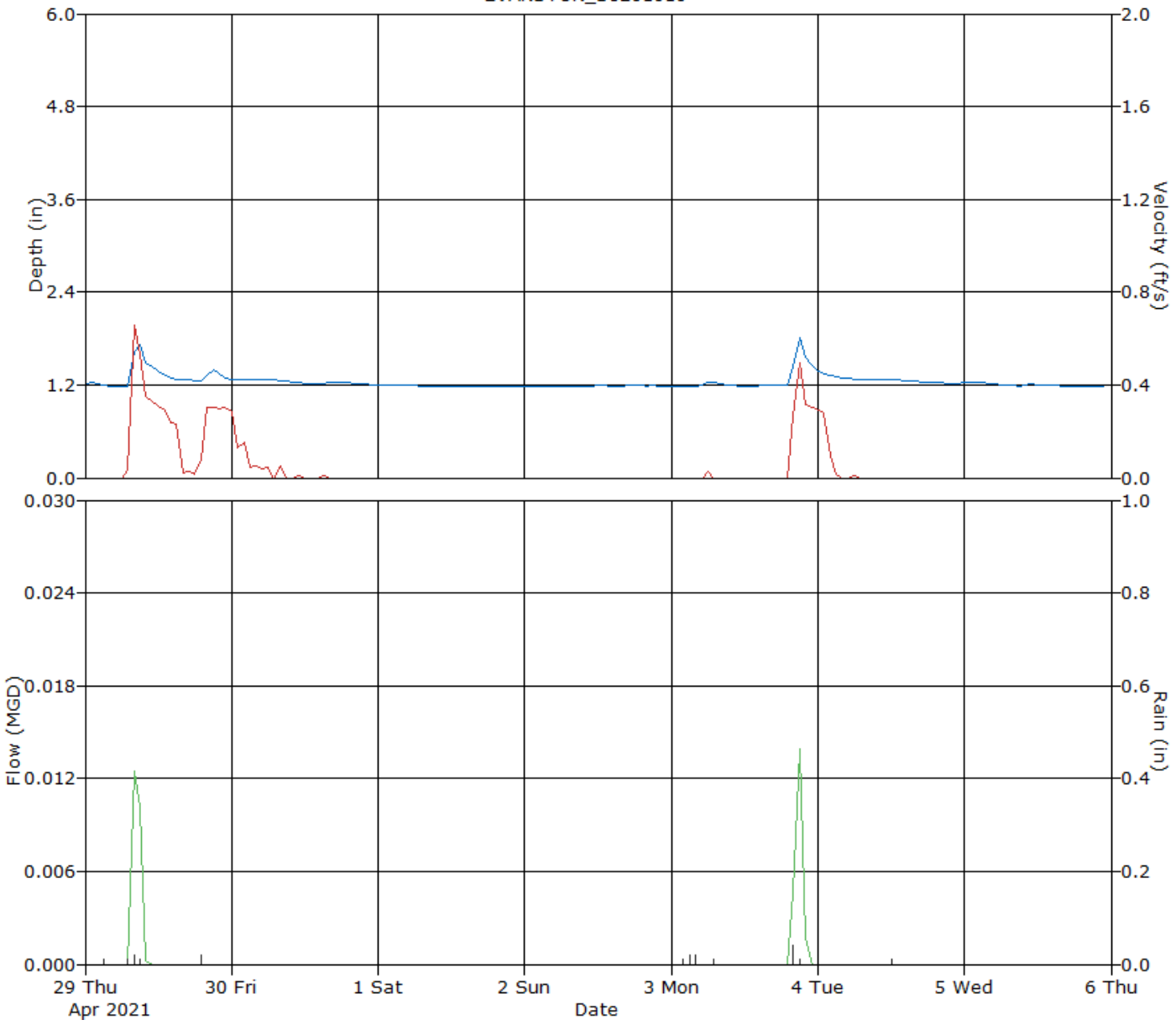


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



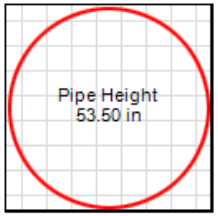
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

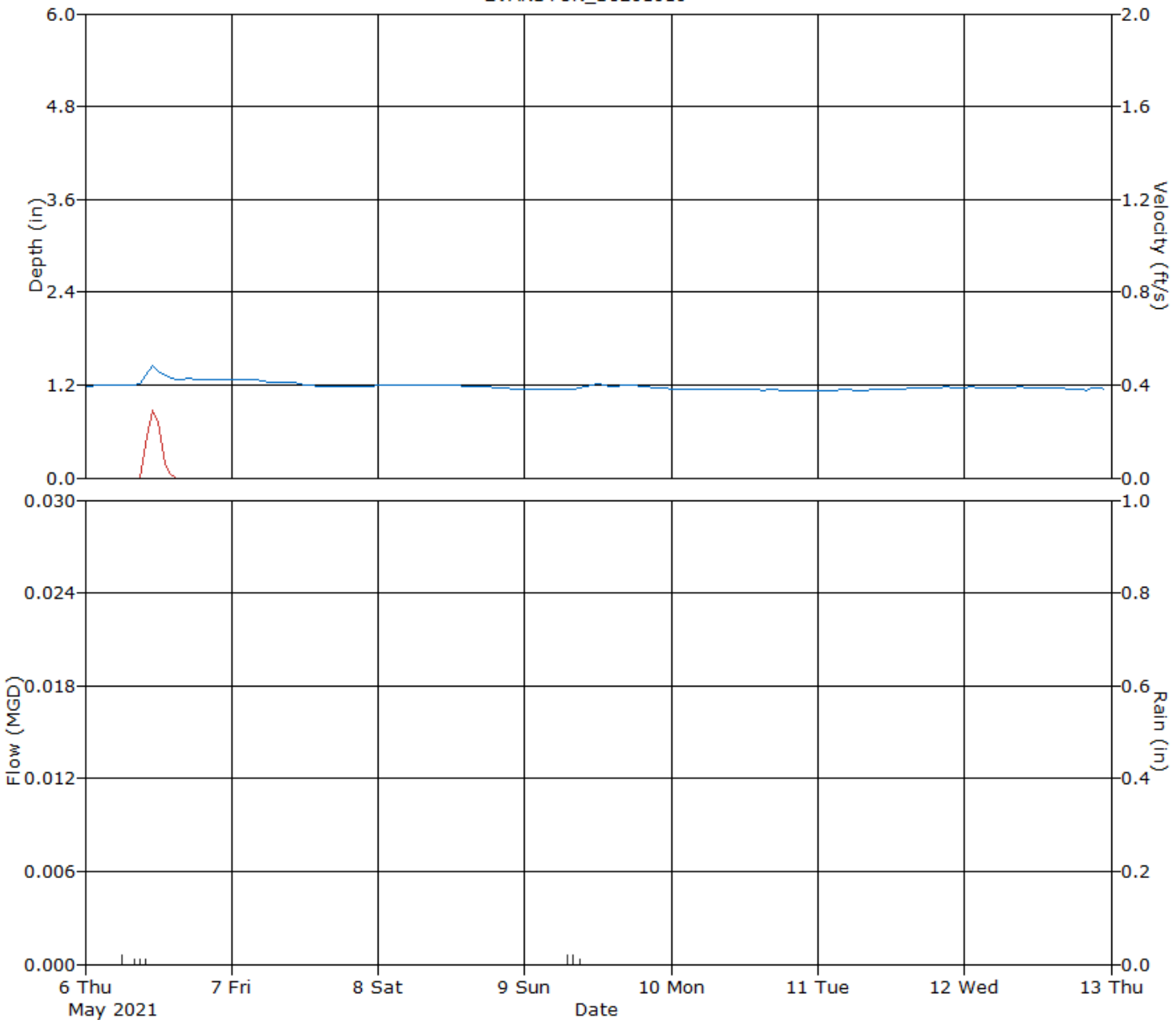


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



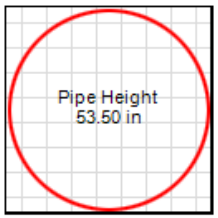
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

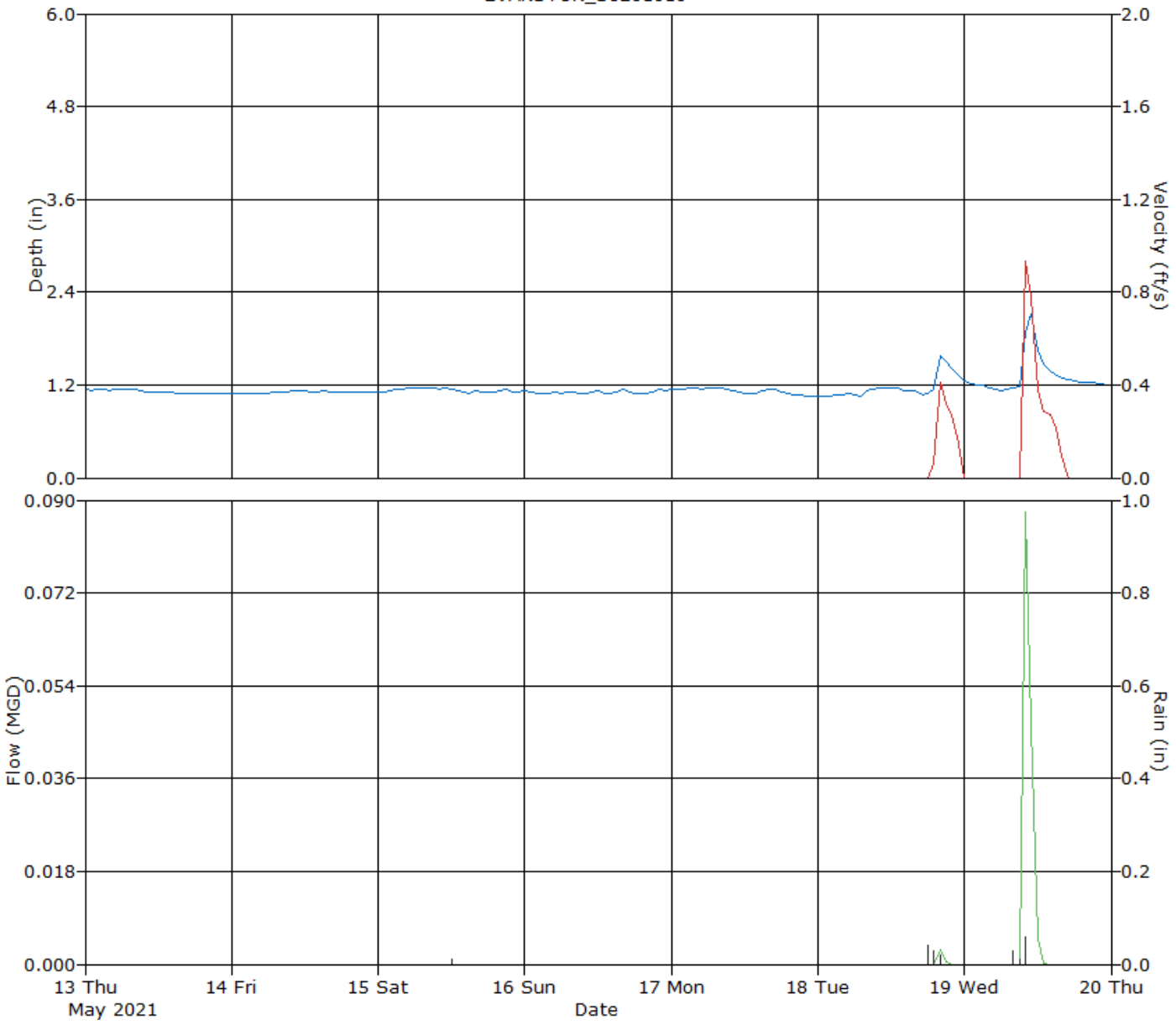


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



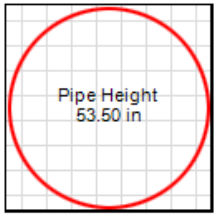
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

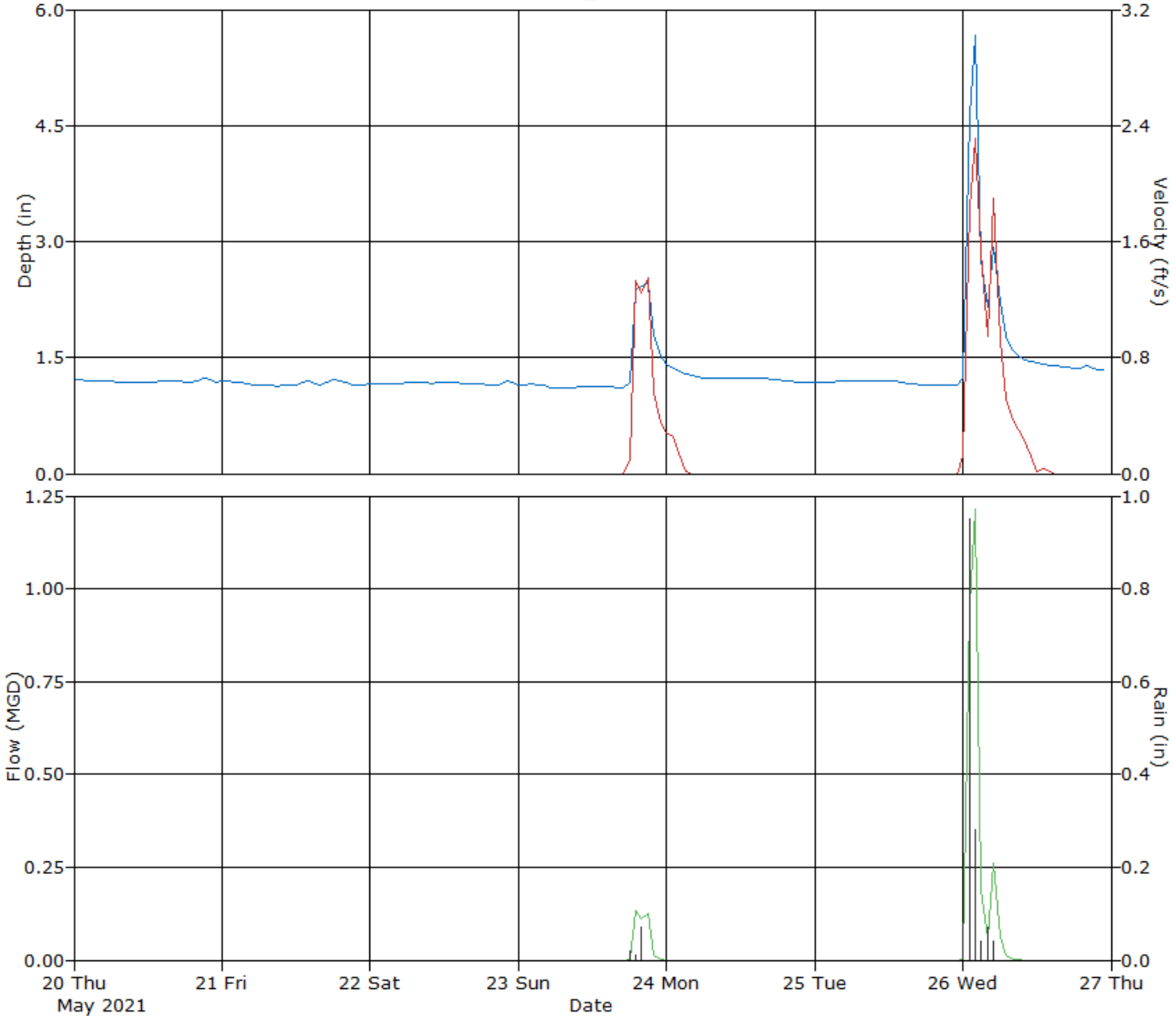


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



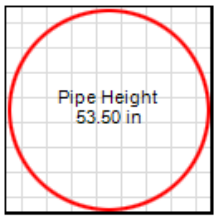
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

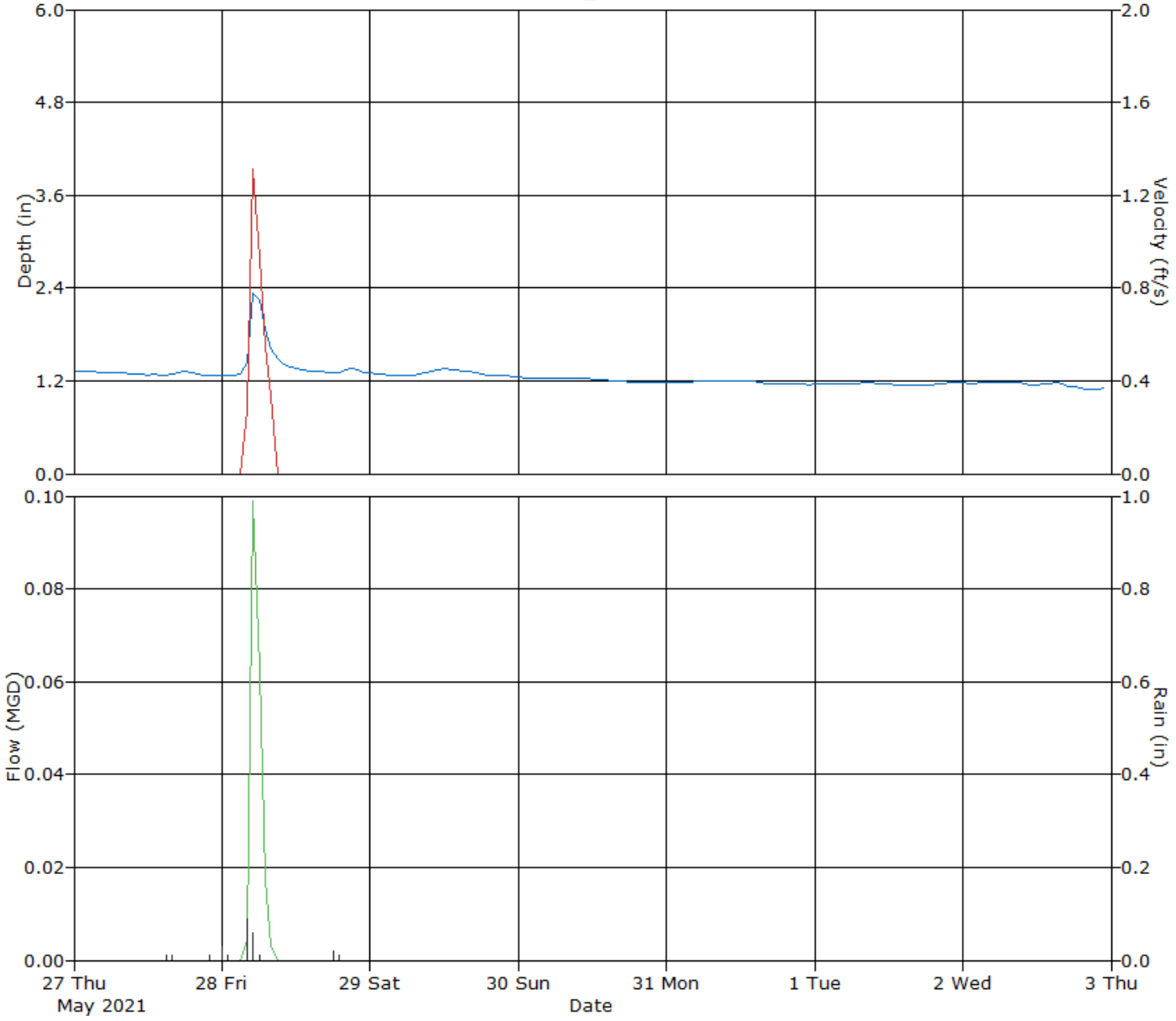


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



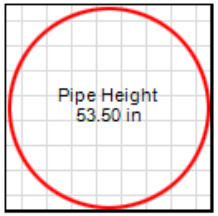
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

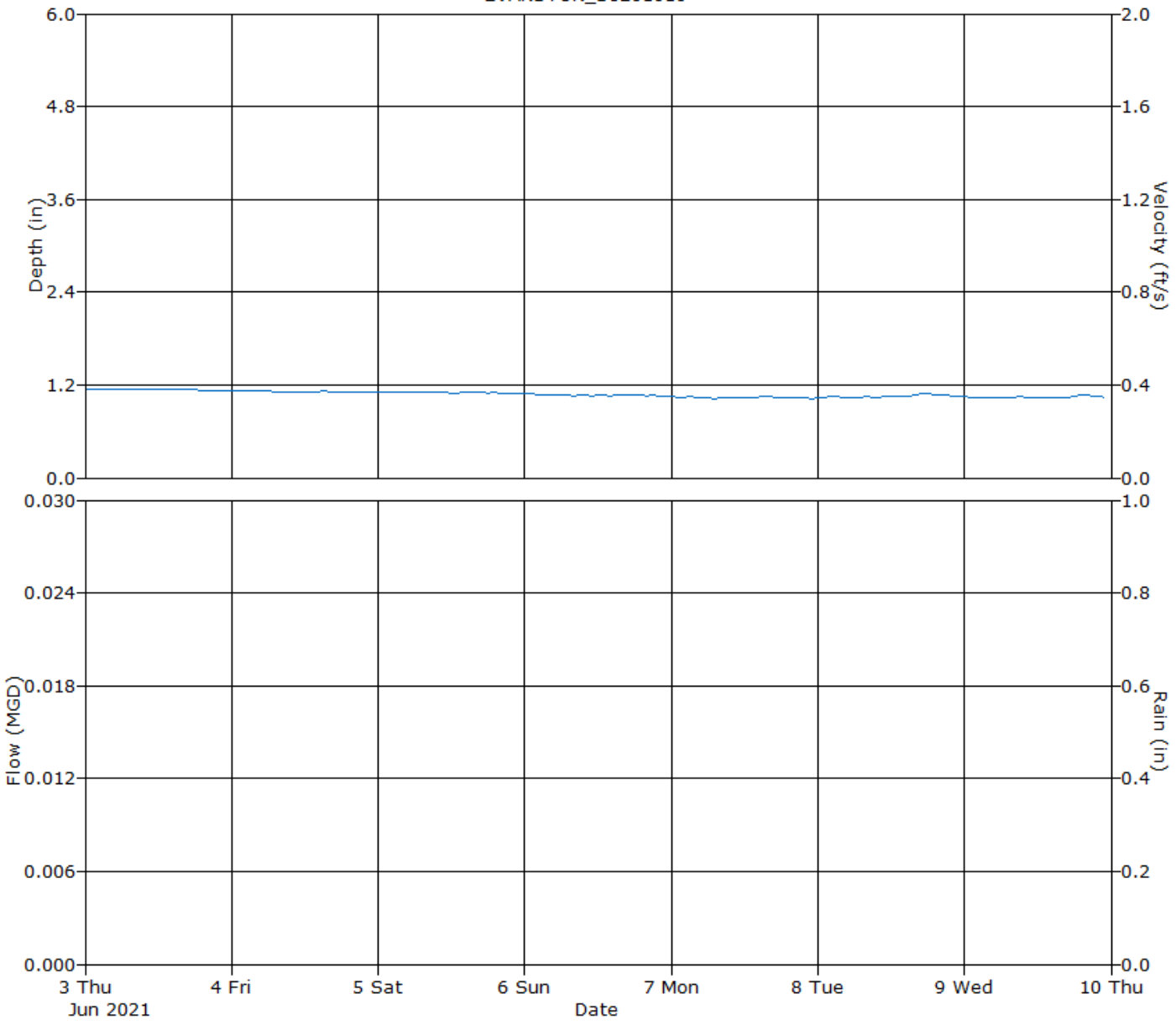


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



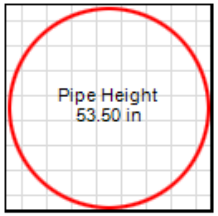
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

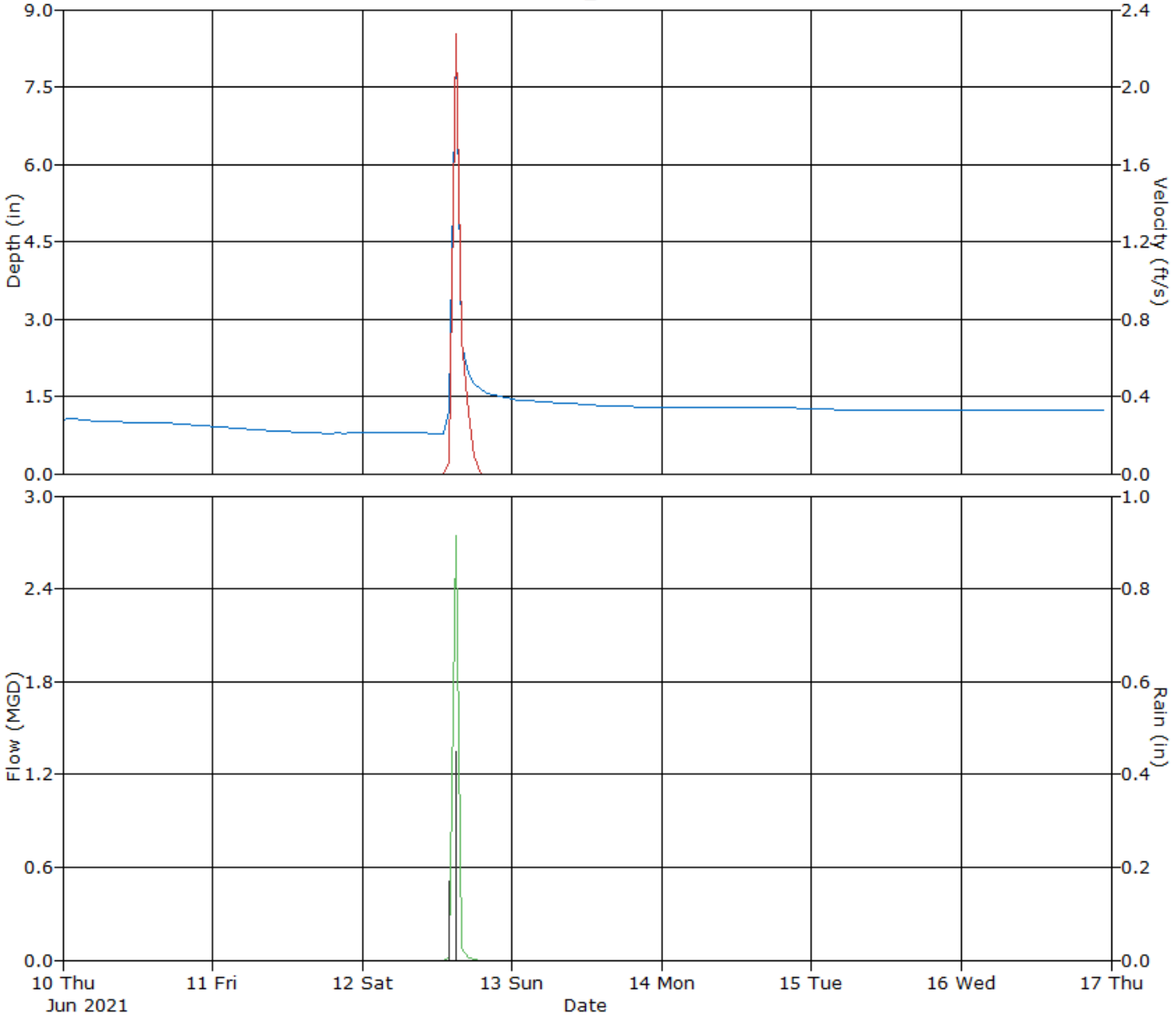


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



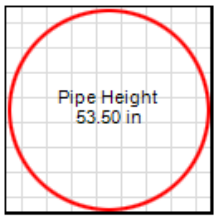
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

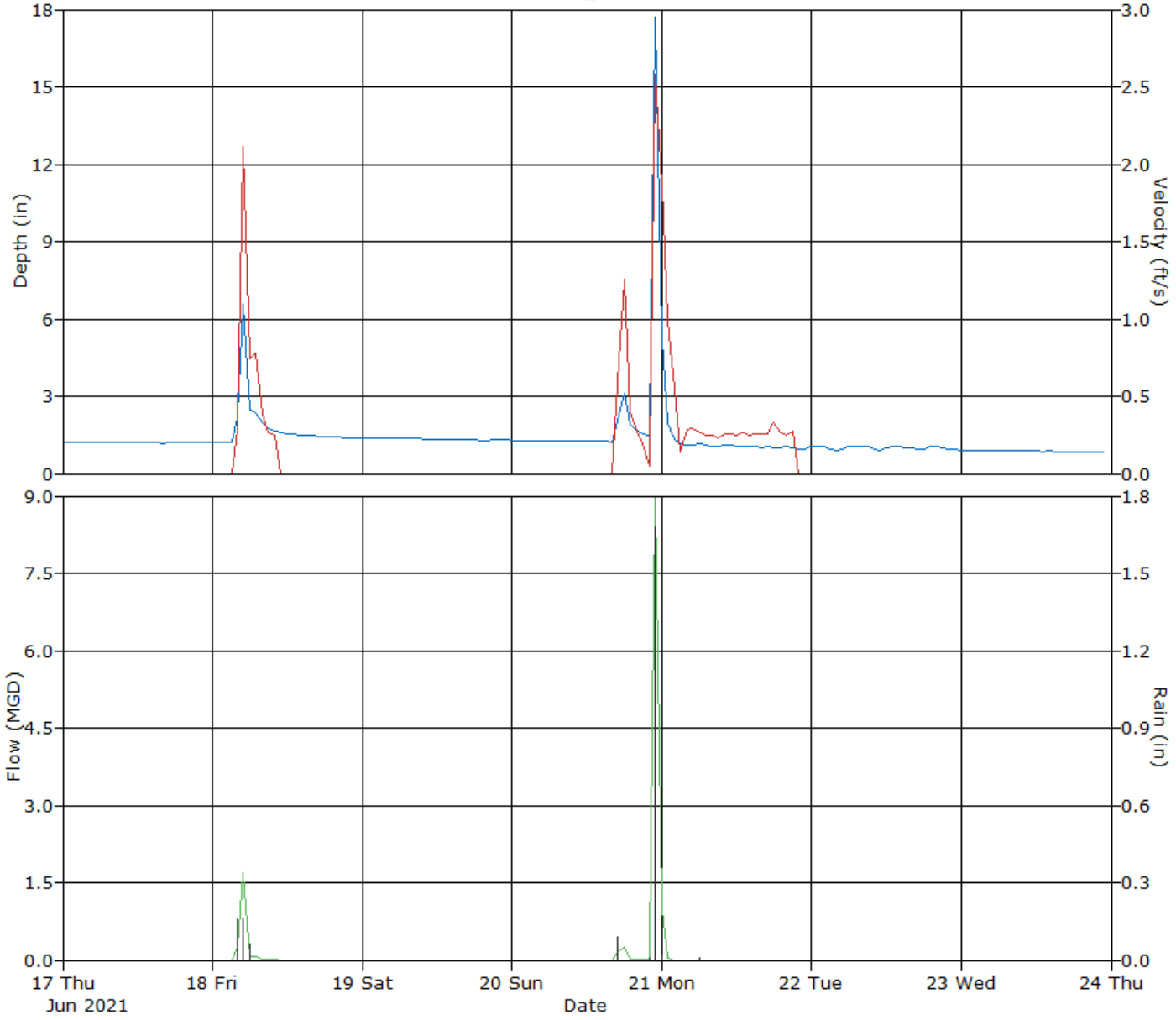


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



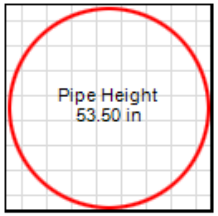
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

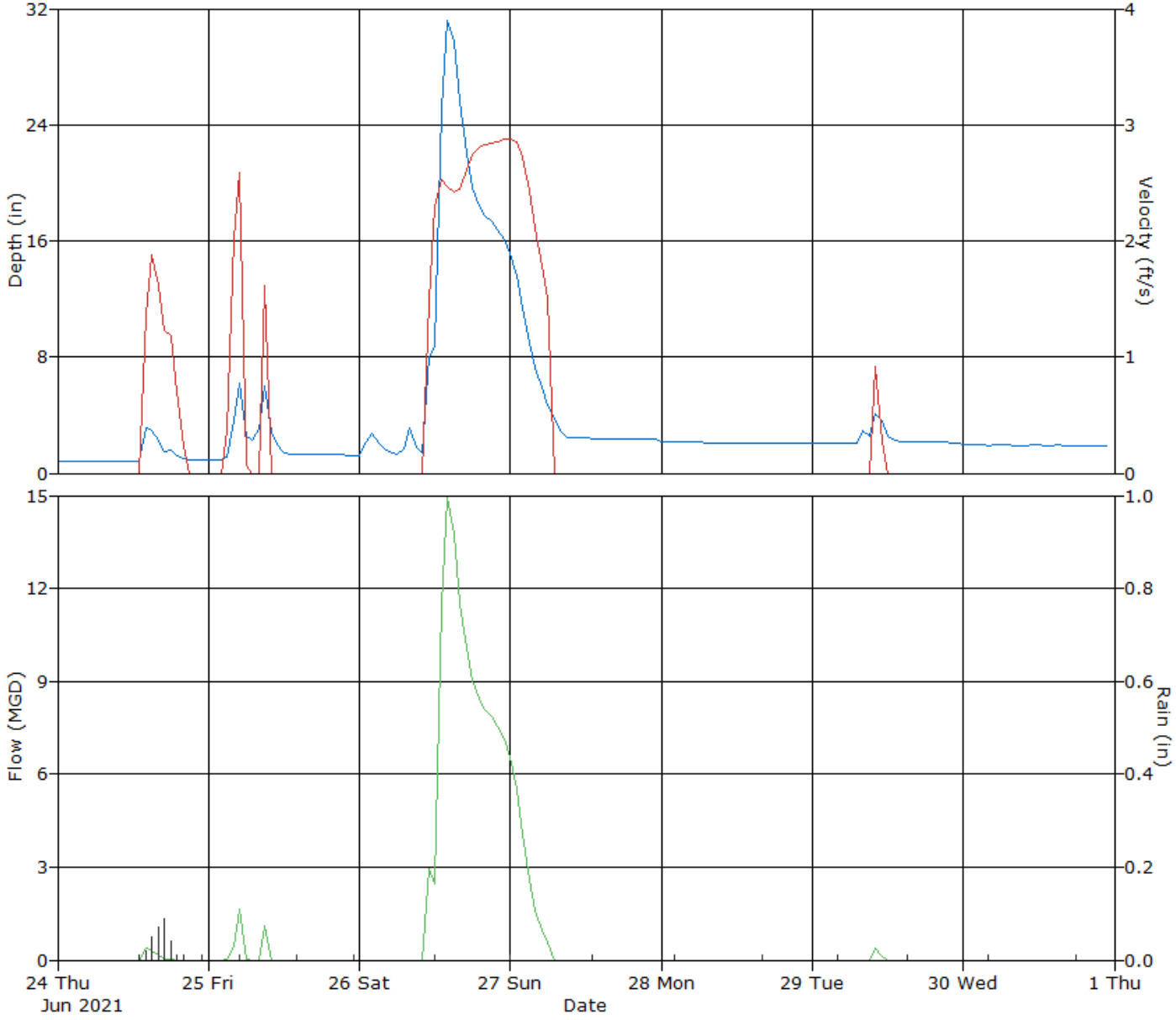


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



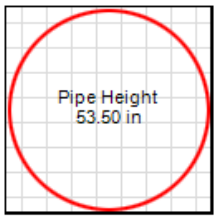
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

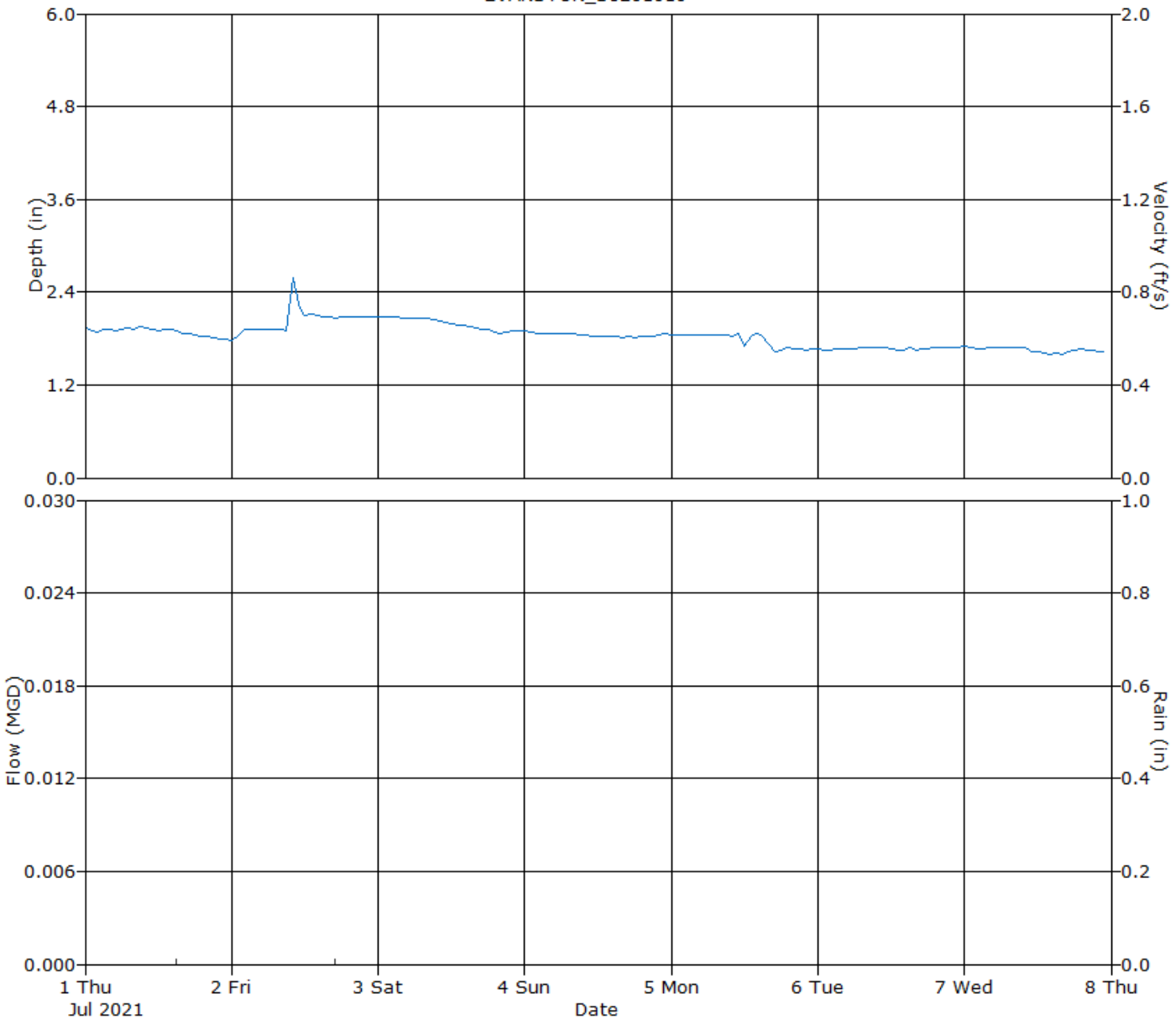


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



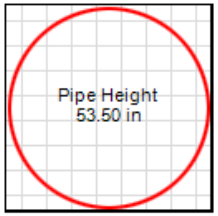
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

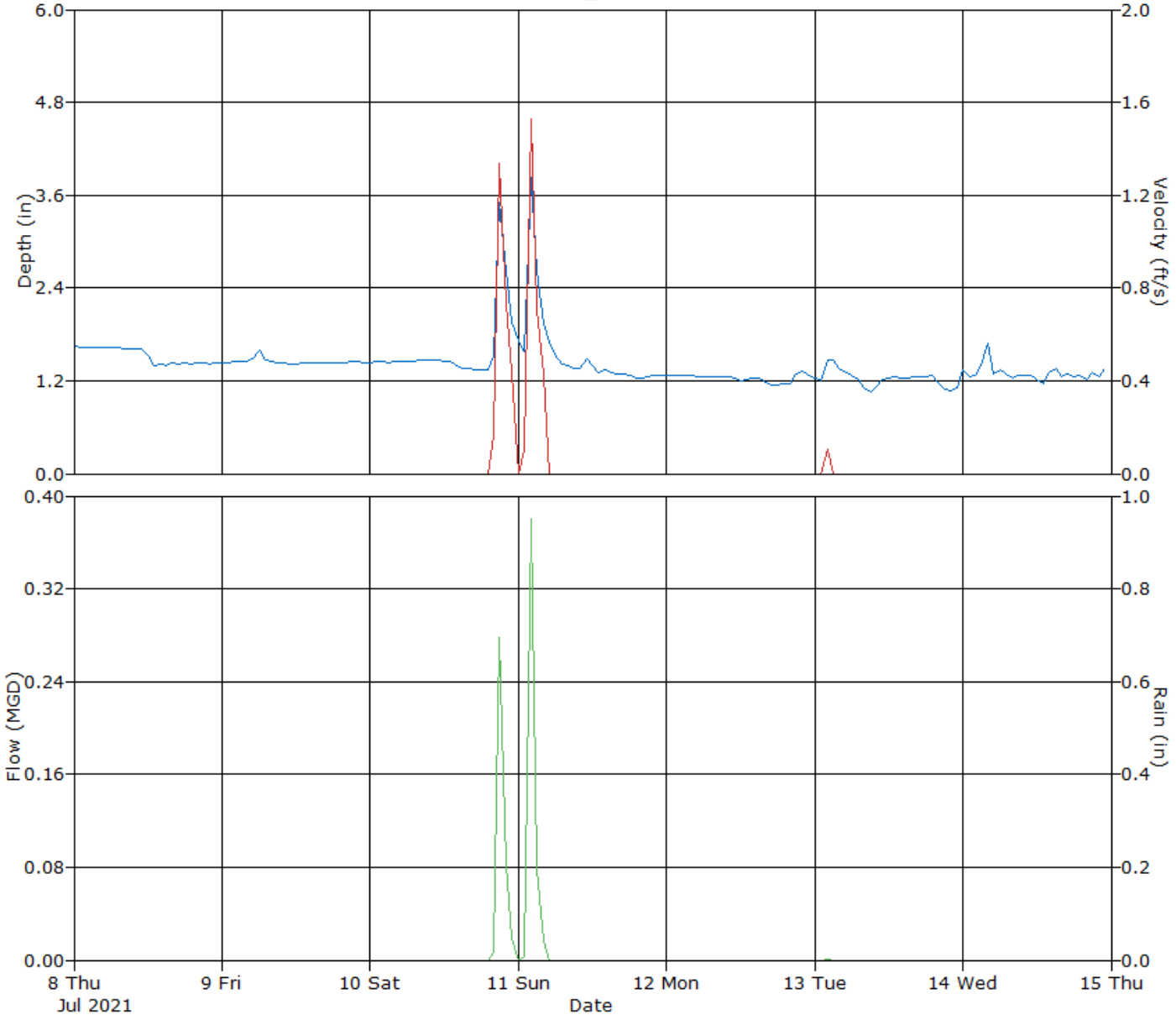


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



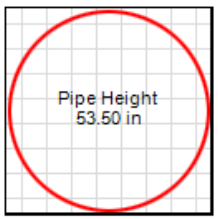
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

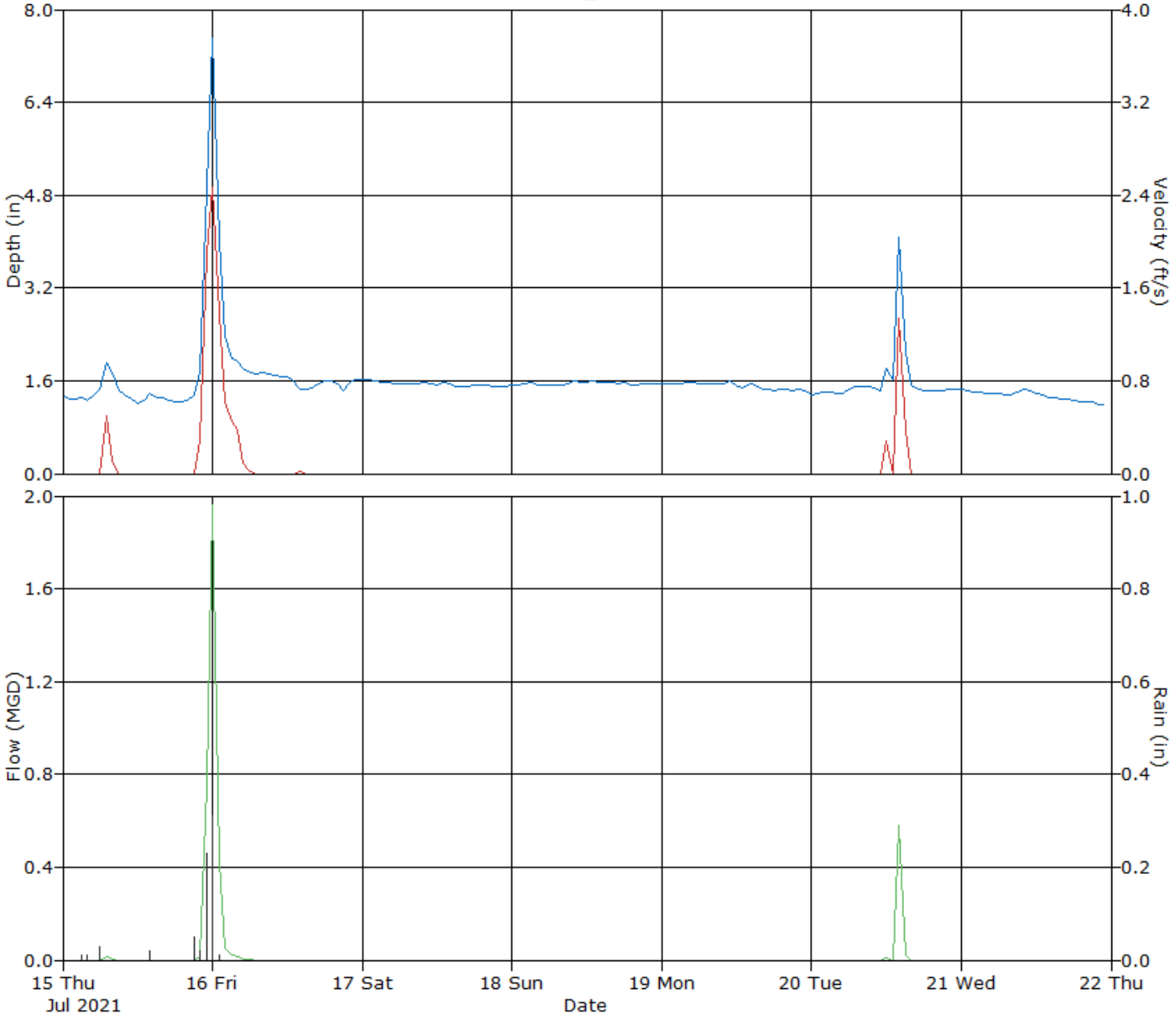


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



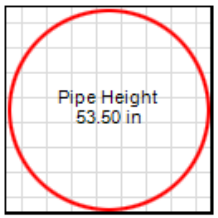
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

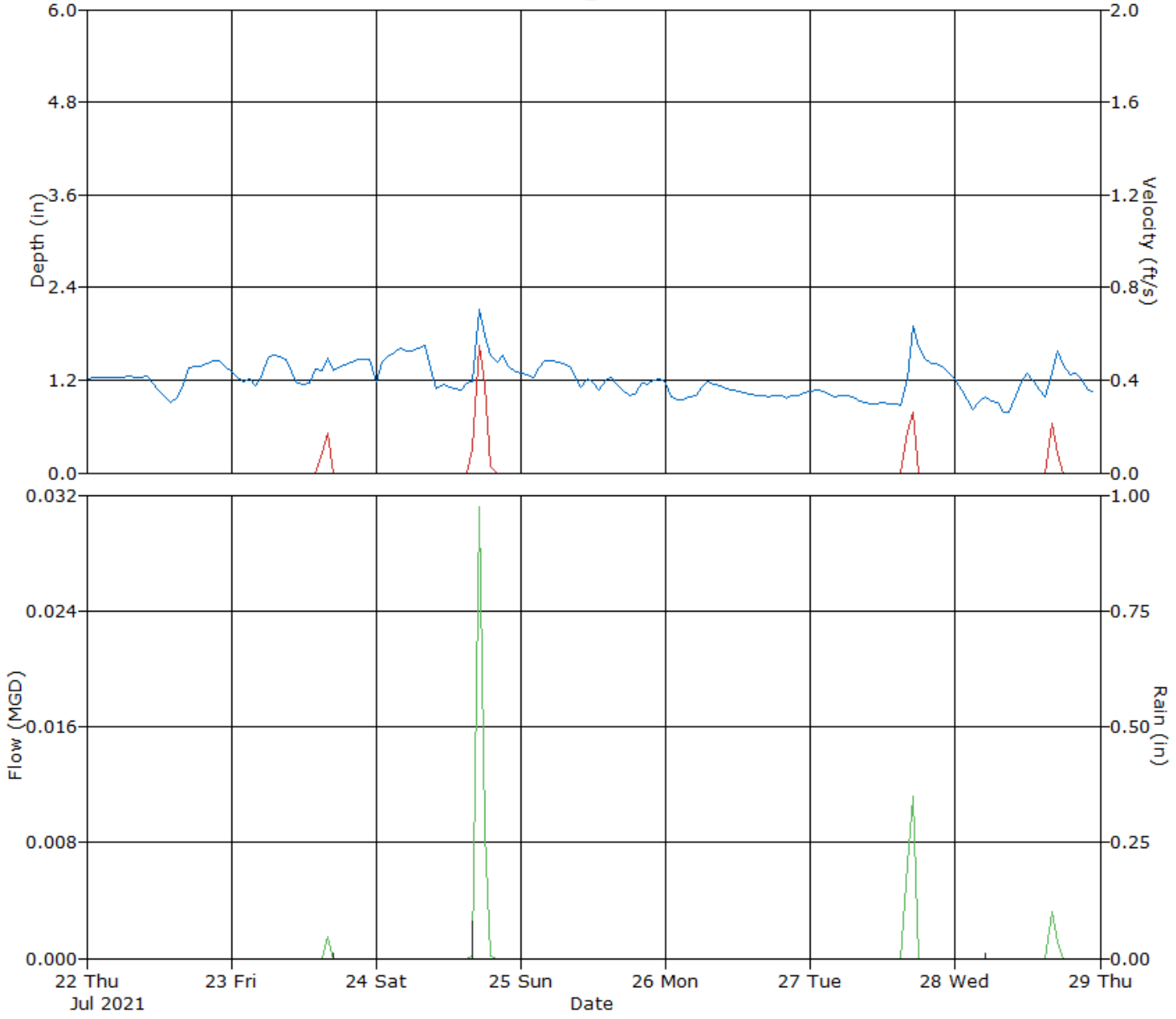


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



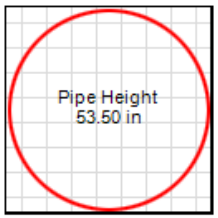
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

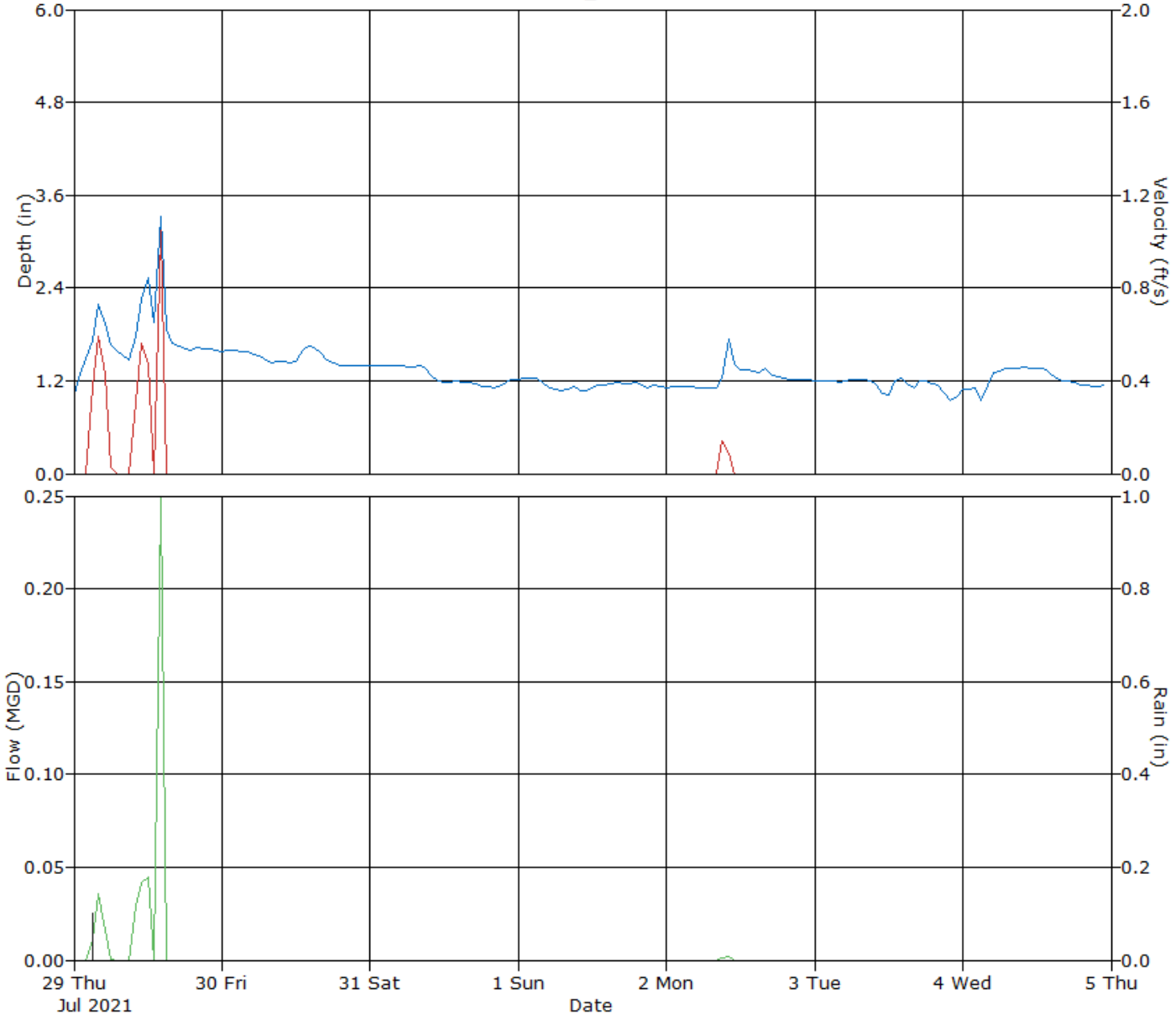


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



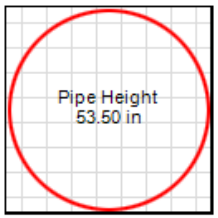
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

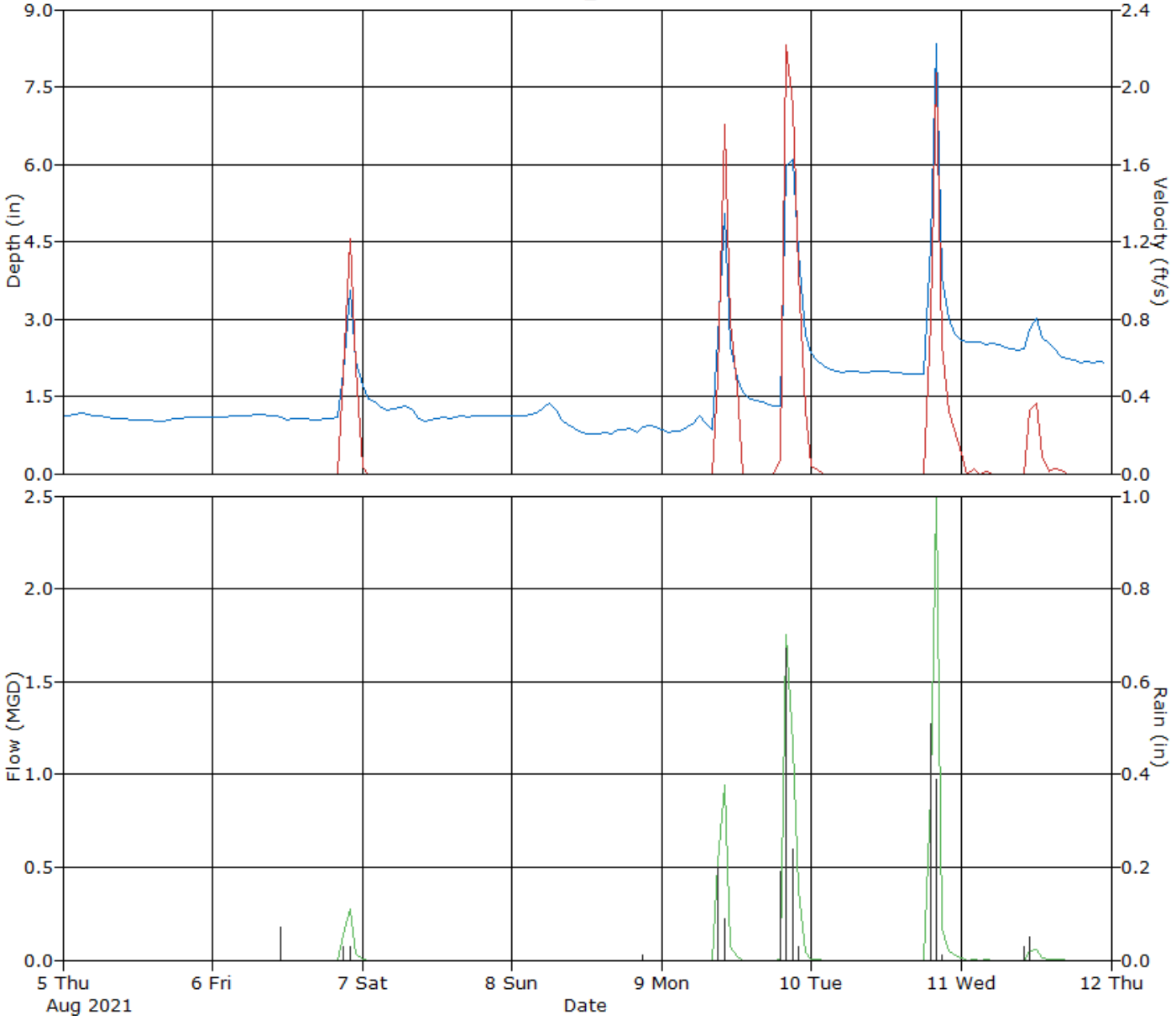


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



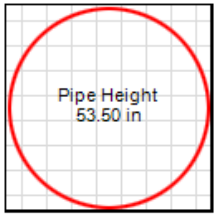
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

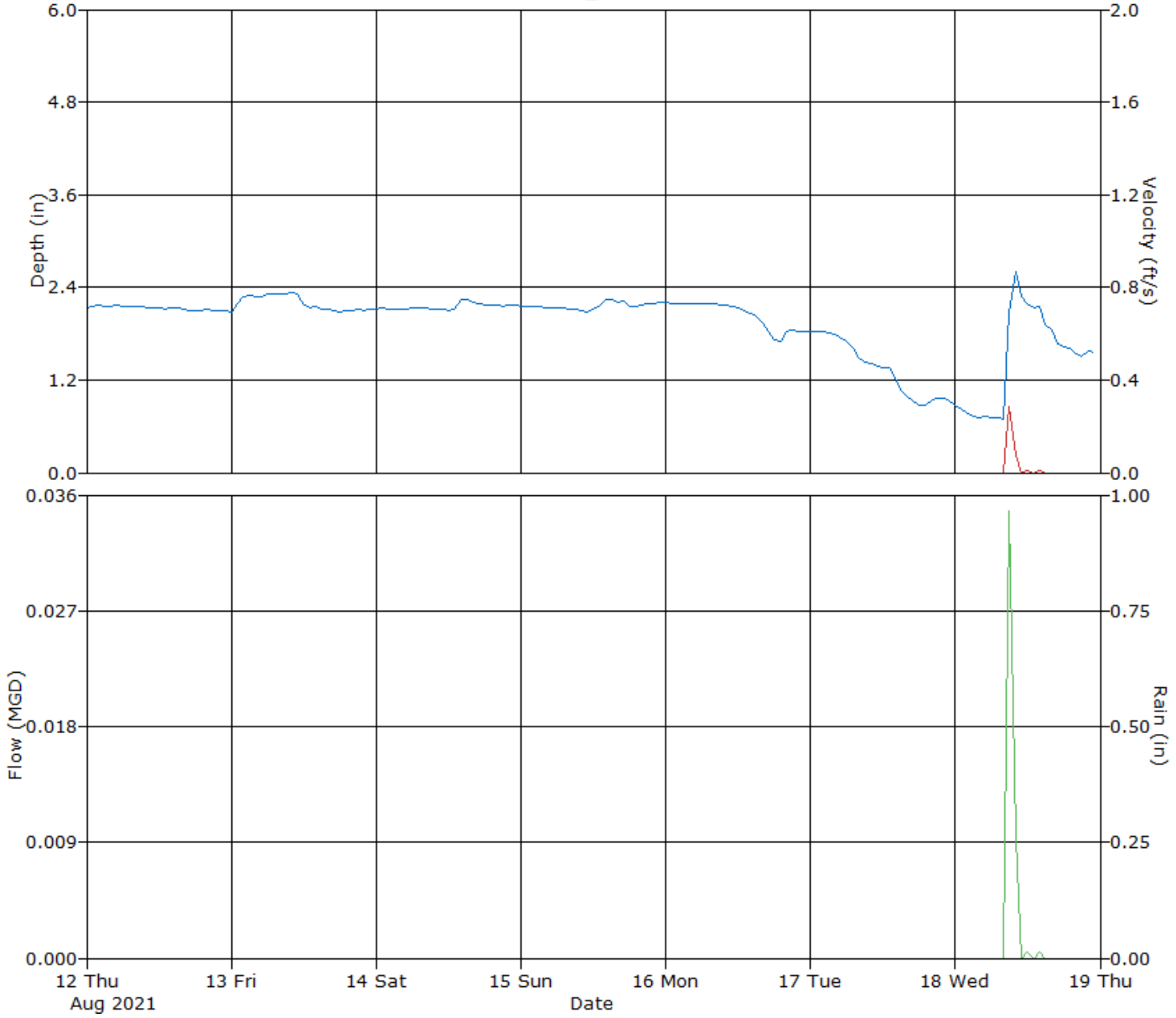


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



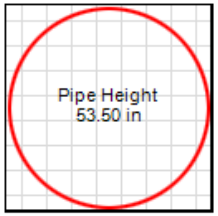
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

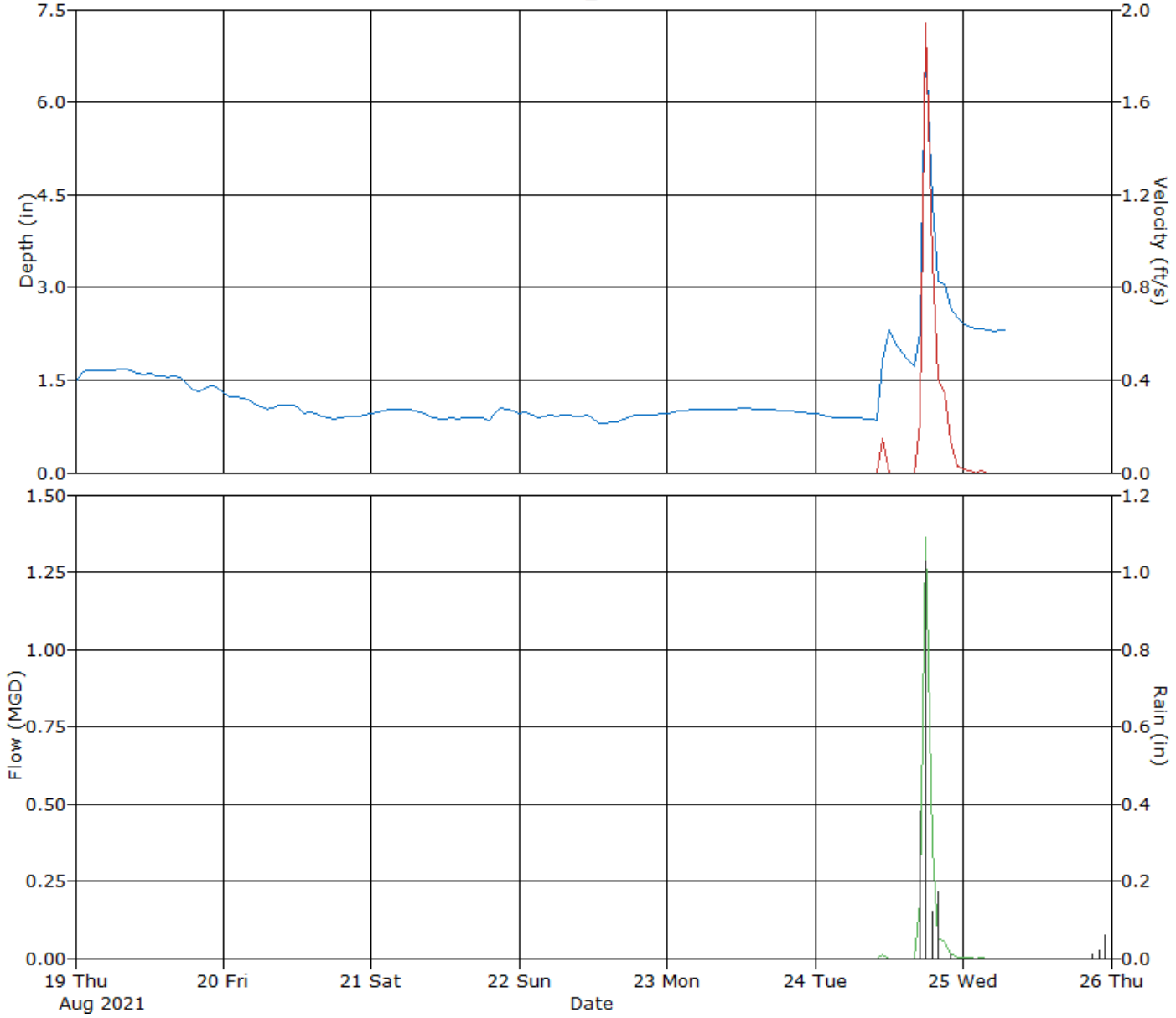


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



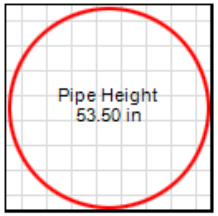
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8201010

Flow Monitor

EVANSTON_S8201010

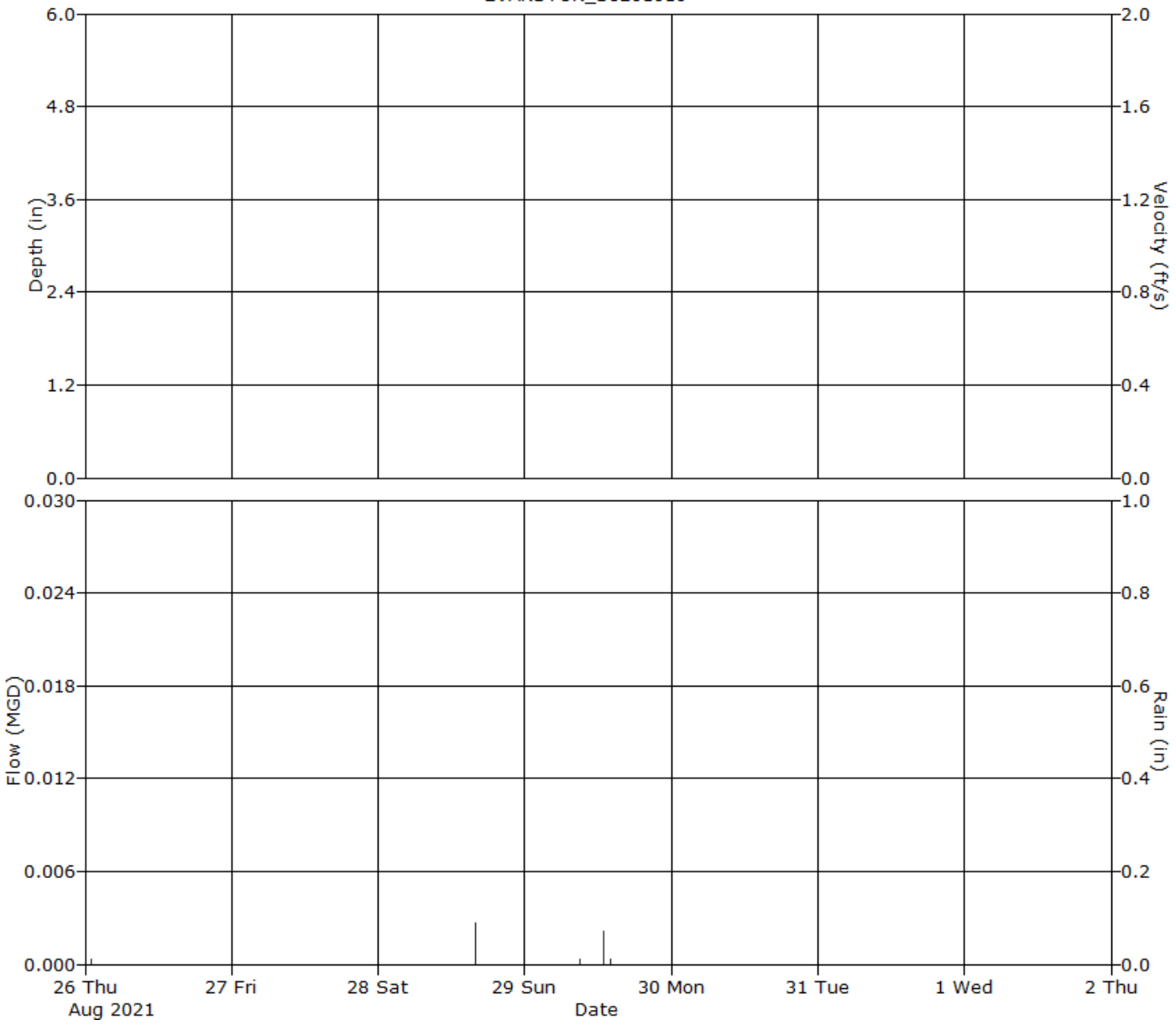


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S8201010, Pipe Height: 53.50 in, Silt: 1.50 in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021						11:05	0.00	11:55	0.88	0.01							
04/08/2021	00:05	1.30	16:00	6.00	1.75	00:00	0.00	15:50	2.49	0.45	00:00	0.000	16:00	1.185	0.057	7612	0.22
04/09/2021	23:50	1.39	00:00	1.48	1.43	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/10/2021	10:05	1.39	18:30	7.79	1.92	00:00	0.00	18:40	2.98	0.51	00:00	0.000	18:40	2.338	0.111	14903	0.58
04/11/2021	23:40	1.50	00:00	1.62	1.54	13:40	0.00	01:00	0.40	0.33	13:40	0.000	00:00	0.004	0.001	139	
04/12/2021	23:50	1.45	00:00	1.50	1.48	00:05	0.00	11:45	0.34	0.17	00:05	0.000	00:00	0.000	0.000	0	0.02
04/13/2021	23:50	1.42	00:10	1.45	1.44	00:00	0.00	04:35	0.27	0.03	00:00	0.000	00:00	0.000	0.000	0	
04/14/2021	11:40	1.32	00:00	1.42	1.40	00:00	0.00	02:15	0.26	0.02	00:00	0.000	00:00	0.000	0.000	0	
04/15/2021	23:55	1.36	00:00	1.39	1.38	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/16/2021	23:55	1.35	00:00	1.36	1.35	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/17/2021	23:00	1.32	00:05	1.35	1.33	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/18/2021	22:50	1.31	00:00	1.32	1.31	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/19/2021	23:55	1.29	00:05	1.31	1.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/20/2021	23:40	1.27	01:00	1.29	1.28	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/21/2021	19:50	1.26	15:05	1.30	1.27	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.02
04/22/2021	23:25	1.25	00:30	1.27	1.26	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/23/2021	20:35	1.22	00:15	1.25	1.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/24/2021	03:35	1.22	23:40	1.23	1.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/25/2021	19:45	1.20	02:10	1.23	1.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/26/2021	23:30	1.19	01:35	1.22	1.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/27/2021	21:00	1.18	00:00	1.19	1.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
04/28/2021	00:00	1.18	23:40	1.19	1.19	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.03
04/29/2021	06:15	1.18	08:50	1.87	1.31	00:00	0.00	08:40	0.87	0.18	00:00	0.000	08:45	0.026	0.001	128	0.07
04/30/2021	23:45	1.20	00:00	1.28	1.24	01:10	0.00	00:40	0.30	0.03	00:00	0.000	00:00	0.000	0.000	0	
05/01/2021	11:45	1.18	00:50	1.20	1.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/02/2021	02:45	1.18	18:25	1.19	1.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/03/2021	12:30	1.18	21:05	1.93	1.26	00:00	0.00	21:00	0.65	0.06	00:00	0.000	21:00	0.023	0.001	112	0.11
05/04/2021	21:35	1.22	00:00	1.41	1.27	02:05	0.00	00:35	0.31	0.03	00:00	0.000	00:00	0.000	0.000	0	0.01
05/05/2021	21:10	1.18	01:20	1.23	1.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/06/2021	01:10	1.18	11:25	1.47	1.26	00:00	0.00	11:30	0.30	0.03	00:00	0.000	00:00	0.000	0.000	0	0.05
05/07/2021	18:30	1.18	00:00	1.27	1.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/08/2021	23:55	1.15	09:50	1.20	1.18	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/09/2021	06:15	1.15	12:35	1.23	1.17	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.05
05/10/2021	18:40	1.13	16:50	1.15	1.14	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/11/2021	02:35	1.13	22:25	1.17	1.15	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/12/2021	18:05	1.13	01:50	1.17	1.16	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/13/2021	23:55	1.09	06:05	1.15	1.11	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/14/2021	00:55	1.08	11:30	1.14	1.11	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
05/15/2021	15:45	1.09	08:30	1.17	1.13	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
05/16/2021	19:55	1.08	22:50	1.15	1.10	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	23:40	1.05 06:30	1.16	1.12	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/18/2021	07:15	1.04 20:30	1.63	1.16	00:00	0.00 20:15	0.46	0.05	00:00	0.000 20:25	0.004	0.000	19	0.09
05/19/2021	06:10	1.13 10:45	2.84	1.32	00:00	0.00 10:35	2.27	0.12	00:00	0.000 10:40	0.242	0.006	776	0.10
05/20/2021	12:05	1.18 21:20	1.25	1.19	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/21/2021	11:55	1.13 18:20	1.22	1.16	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/22/2021	19:25	1.13 22:20	1.21	1.17	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/23/2021	07:05	1.10 19:40	3.07	1.33	00:00	0.00 19:40	2.20	0.21	00:00	0.000 19:40	0.334	0.016	2160	0.10
05/24/2021	23:50	1.18 00:00	1.46	1.24	02:30	0.00 00:00	0.31	0.03	00:00	0.000 00:00	0.000	0.000	0	
05/25/2021	20:40	1.14 07:25	1.20	1.17	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/26/2021	00:35	1.14 01:50	11.72	1.92	00:00	0.00 01:45	2.75	0.47	00:00	0.000 01:55	3.605	0.115	15344	1.46
05/27/2021	16:10	1.27 18:05	1.34	1.30	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.03
05/28/2021	01:00	1.27 05:35	2.41	1.45	00:00	0.00 05:15	1.48	0.14	00:00	0.000 05:20	0.118	0.008	1040	0.23
05/29/2021	23:55	1.25 12:30	1.35	1.30	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/30/2021	23:50	1.18 00:00	1.25	1.22	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
05/31/2021	23:10	1.15 11:05	1.20	1.18	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/01/2021	17:30	1.14 08:40	1.18	1.16	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/02/2021	22:25	1.09 07:20	1.18	1.15	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/03/2021	23:45	1.12 09:25	1.15	1.14	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/04/2021	21:20	1.10 02:40	1.13	1.12	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/05/2021	23:55	1.08 00:55	1.11	1.10	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/06/2021	23:25	1.05 01:00	1.09	1.07	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/07/2021	07:25	1.02 00:10	1.06	1.04	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/08/2021	00:05	1.02 17:30	1.10	1.05	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/09/2021	05:45	1.03 19:55	1.08	1.04	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/10/2021	23:40	0.92 01:25	1.06	1.00	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/11/2021	23:55	0.77 00:15	0.92	0.83	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/12/2021	13:05	0.78 15:05	16.65	1.44	00:00	0.00 15:05	3.06	0.14	00:00	0.000 15:05	7.984	0.118	15827	0.62
06/13/2021	23:55	1.27 00:00	1.45	1.35	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/14/2021	23:55	1.26 11:10	1.28	1.28	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/15/2021	12:00	1.23 00:00	1.26	1.24	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/16/2021	23:55	1.21 17:25	1.24	1.24	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/17/2021	16:15	1.19 06:05	1.24	1.21	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/18/2021	00:00	1.20 05:00	13.84	1.78	00:00	0.00 04:55	2.80	0.20	00:00	0.000 05:00	5.212	0.088	11718	0.38
06/19/2021	20:50	1.28 00:00	1.40	1.34	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/20/2021	17:10	1.23 23:30	35.42	2.12	00:00	0.00 23:55	3.23	0.22	00:00	0.000 23:30	20.940	0.393	52495	1.78
06/21/2021	22:30	0.94 00:00	9.61	1.28	03:05	0.00 00:00	3.00	0.34	02:00	0.000 00:00	3.471	0.043	5789	0.03
06/22/2021	18:20	0.88 23:55	1.12	1.00	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/23/2021	22:35	0.83 00:05	0.90	0.87	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
06/24/2021	07:40	0.79 14:35	5.06	1.16	00:00	0.00 15:45	2.24	0.34	00:00	0.000 14:35	0.855	0.034	4545	0.31
06/25/2021	03:30	0.86 05:10	9.72	1.98	00:00	0.00 05:05	3.29	0.28	00:00	0.000 05:05	3.445	0.133	17714	0.03
06/26/2021	01:15	1.23 14:30	31.29	11.53	00:00	0.00 11:55	2.88	1.38	00:00	0.000 14:30	15.055	4.801	641830	0.01
06/27/2021	23:55	2.30 00:00	15.73	4.56	07:00	0.00 00:30	2.88	0.68	07:00	0.000 00:00	6.919	0.912	121855	0.02
06/28/2021	23:35	2.03 00:20	2.17	2.10	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.02
06/29/2021	00:00	2.01 10:45	5.59	2.34	00:00	0.00 10:45	1.94	0.05	00:00	0.000 10:45	0.933	0.020	2730	0.02
06/30/2021	16:20	1.87 00:15	1.97	1.92	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.02
07/01/2021	23:40	1.78 09:45	1.99	1.89	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.01
07/02/2021	01:15	1.76 10:25	3.02	2.03	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.01
07/03/2021	20:15	1.86 00:50	2.09	1.99	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/04/2021	16:15	1.79 00:25	1.91	1.85	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/05/2021	22:20	1.62 11:40	1.89	1.78	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/06/2021	13:10	1.61 11:30	1.72	1.67	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/07/2021	15:00	1.59 00:50	1.72	1.65	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/08/2021	12:40	1.37 12:10	1.70	1.53	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/09/2021	11:55	1.39 06:30	1.64	1.45	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	
07/10/2021	19:35	1.33 21:30	3.83	1.59	00:00	0.00 21:25	1.62	0.11	00:00	0.000 21:25	0.387	0.016	2148	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	19:40	1.22	02:25	4.18	1.56	00:00	0.00	02:05	1.86	0.12	00:00	0.000	02:15	0.509	0.020	2670	
07/12/2021	17:00	1.14	21:55	1.37	1.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/13/2021	23:35	0.99	02:55	1.58	1.23	00:00	0.00	02:35	0.44	0.00	00:00	0.000	02:45	0.003	0.000	3	
07/14/2021	13:25	1.12	04:30	1.75	1.30	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/15/2021	03:30	1.18	23:55	6.05	1.52	00:00	0.00	23:55	2.15	0.12	00:00	0.000	23:55	1.187	0.033	4434	0.37
07/16/2021	21:15	1.39	00:20	8.65	2.02	05:15	0.00	00:20	2.76	0.23	05:15	0.000	00:20	2.713	0.103	13781	0.32
07/17/2021	16:10	1.48	00:05	1.63	1.54	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/18/2021	00:05	1.51	13:45	1.63	1.55	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/19/2021	21:45	1.35	11:05	1.61	1.51	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/20/2021	00:35	1.36	14:15	6.74	1.60	00:00	0.00	14:10	2.88	0.08	00:00	0.000	14:10	1.825	0.025	3394	
07/21/2021	23:30	1.17	10:10	1.47	1.34	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/22/2021	14:30	0.91	21:55	1.45	1.24	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/23/2021	11:10	1.03	16:05	1.65	1.34	00:00	0.00	15:50	0.53	0.01	00:00	0.000	16:05	0.005	0.000	8	0.01
07/24/2021	16:25	1.03	17:15	2.36	1.42	00:00	0.00	17:15	0.65	0.04	00:00	0.000	17:15	0.050	0.002	224	0.08
07/25/2021	19:30	1.00	04:30	1.46	1.23	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/26/2021	01:50	0.93	00:00	1.23	1.04	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/27/2021	16:10	0.85	17:05	2.09	1.13	00:00	0.00	16:40	0.56	0.02	00:00	0.000	17:00	0.024	0.001	98	
07/28/2021	09:45	0.75	16:50	1.78	1.09	00:00	0.00	16:30	0.45	0.01	00:00	0.000	16:50	0.009	0.000	24	0.01
07/29/2021	00:00	1.02	14:05	5.06	1.77	00:00	0.00	14:00	1.96	0.16	00:00	0.000	14:05	0.670	0.018	2379	0.10
07/30/2021	20:15	1.39	14:55	1.70	1.50	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
07/31/2021	20:40	1.11	00:50	1.40	1.26	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/01/2021	11:50	1.05	01:55	1.25	1.15	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/02/2021	08:00	1.10	10:20	1.81	1.24	00:00	0.00	09:45	0.56	0.01	00:00	0.000	10:05	0.013	0.000	20	
08/03/2021	12:20	0.72	12:25	1.41	1.15	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/04/2021	03:05	0.90	10:35	1.38	1.22	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/05/2021	15:05	1.01	03:40	1.18	1.08	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/06/2021	21:35	0.88	21:50	4.71	1.28	00:00	0.00	21:50	1.77	0.10	00:00	0.000	21:50	0.632	0.019	2501	0.13
08/07/2021	10:25	1.00	00:00	1.89	1.19	00:05	0.00	00:00	0.40	0.00	00:05	0.000	00:00	0.013	0.000	6	
08/08/2021	16:30	0.70	06:35	1.38	0.97	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	0.01
08/09/2021	09:20	0.76	20:50	13.33	2.04	00:00	0.00	20:50	4.15	0.38	00:00	0.000	20:50	7.861	0.203	27192	1.42
08/10/2021	18:30	1.92	20:00	18.99	2.52	00:05	0.00	20:05	2.93	0.17	00:05	0.000	20:00	9.046	0.152	20332	0.91
08/11/2021	23:55	2.15	11:55	3.24	2.43	00:15	0.00	11:40	0.54	0.04	00:15	0.000	11:50	0.091	0.005	725	0.08
08/12/2021	19:10	2.09	02:05	2.19	2.13	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/13/2021	00:55	2.08	11:25	2.36	2.20	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/14/2021	12:50	2.09	15:05	2.26	2.15	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/15/2021	13:10	2.08	15:30	2.28	2.16	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/16/2021	19:05	1.67	00:00	2.20	2.04	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/17/2021	19:00	0.87	01:10	1.83	1.35	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/18/2021	09:10	0.69	09:45	3.02	1.46	00:00	0.00	09:40	0.50	0.02	00:00	0.000	09:45	0.072	0.002	252	
08/19/2021	20:35	1.30	08:00	1.69	1.56	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/20/2021	17:55	0.84	00:00	1.34	1.03	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/21/2021	20:25	0.82	20:30	1.07	0.95	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/22/2021	14:20	0.77	00:00	1.05	0.91	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/23/2021	23:20	0.95	13:30	1.06	1.01	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0	
08/24/2021	11:10	0.83	18:00	8.27	1.94	00:00	0.00	17:55	2.60	0.17	00:00	0.000	17:55	2.265	0.086	11465	1.71
08/25/2021	05:55	2.28	00:15	2.45	2.33	00:00	0.00	00:05	0.15	0.00	00:00	0.000	00:05	0.012	0.000	14	0.09
08/26/2021																	0.01
08/27/2021																	
08/28/2021																	0.09
08/29/2021																	0.09
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			1008406	11.87
Avg	1.49	0.06	0.054	

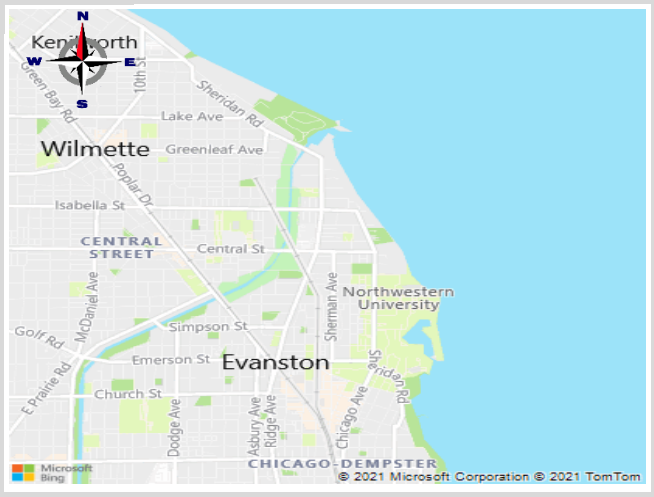
Evanston, IL

Flow Monitoring Site Report

SITE NAME

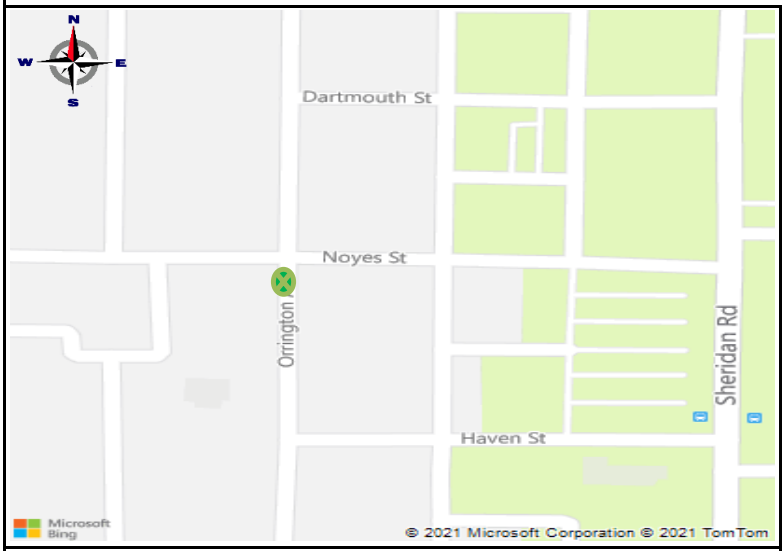
S8207000

Site Address /Location:	Intersection of Noyes St. and Orrington Ave.			Monitor Series	Location Type
				VZ Triton+ LTE-M	Temporary
Site Access Details:	in drive	Latitude:	42.058245	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.679659	105.75 x 108.00	Circular



Manhole #	System Characteristics
S82_07000	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Wednesday, April 07, 2021	Doppler Special Installation
Monitoring Location (Sensors):	Monitor Location:
Downstream 5-10 FT	Manhole
Sensors / Devices:	Pressure Sensor Range (psi)
Peak Combo (CS4)	0 - 5 psi

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
4:25:00 PM	105.75 x 108.00
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
1.00	N/A
Downlooker Physical Offset (in)	Measurement Confidence (in)
N/A	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
1	0
Silt (in)	Silt Type
0	

Hydraulic Comments:

Choppy; Wet weather influenced

Manhole / Pipe Information:

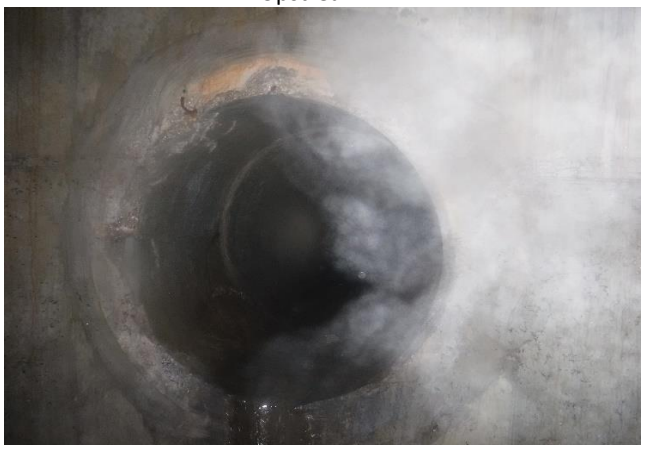
Manhole Depth (Approx. FT):	Manhole Configuration
50	Single
Manhole Material:	Manhole Condition:
Concrete	Good
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
22.75	Over 5 feet
Manhole Cover	Manhole Frame
Concealed	Normal
Active Drop Connections	Air Quality:
Yes, Inside	Good
Pipe Material	Pipe Condition:
Concrete	Good

Communication Information:

Communication Type	Antenna Location
Wireless	Drilled Pavement / Concrete

Additional Site Info. / Comments:

Additional Photos

Upstream S 	Downstream 	Upstream N 
Upstream E 		

SCATTERGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

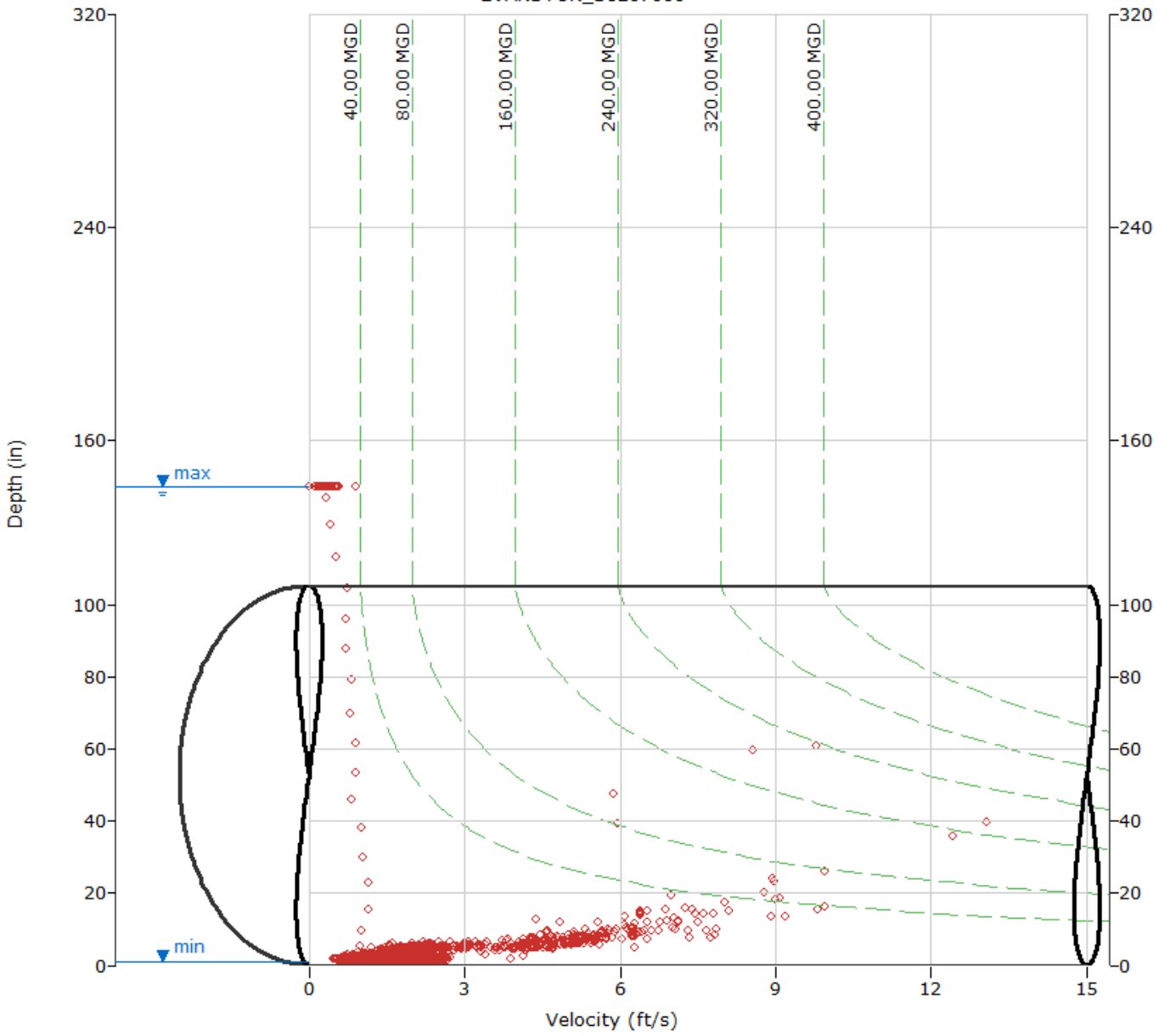
Pipe Height
105.75 in

Report Period

4/1/2021
To
8/31/2021

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth



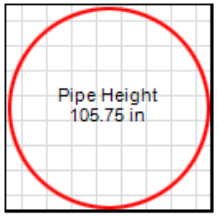
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

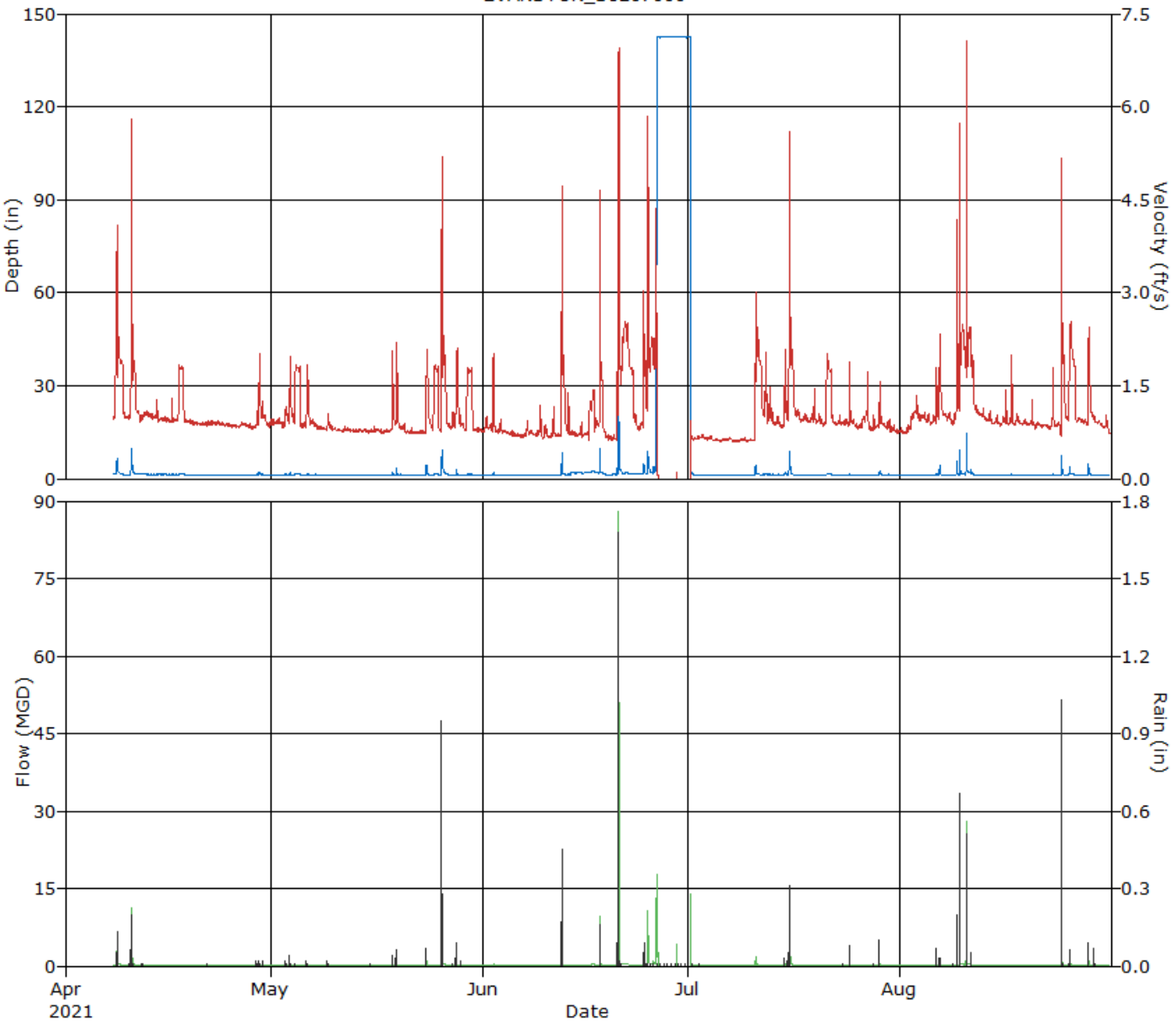


Report Period

4/1/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



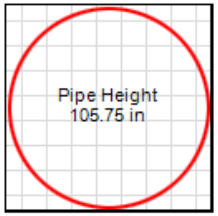
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

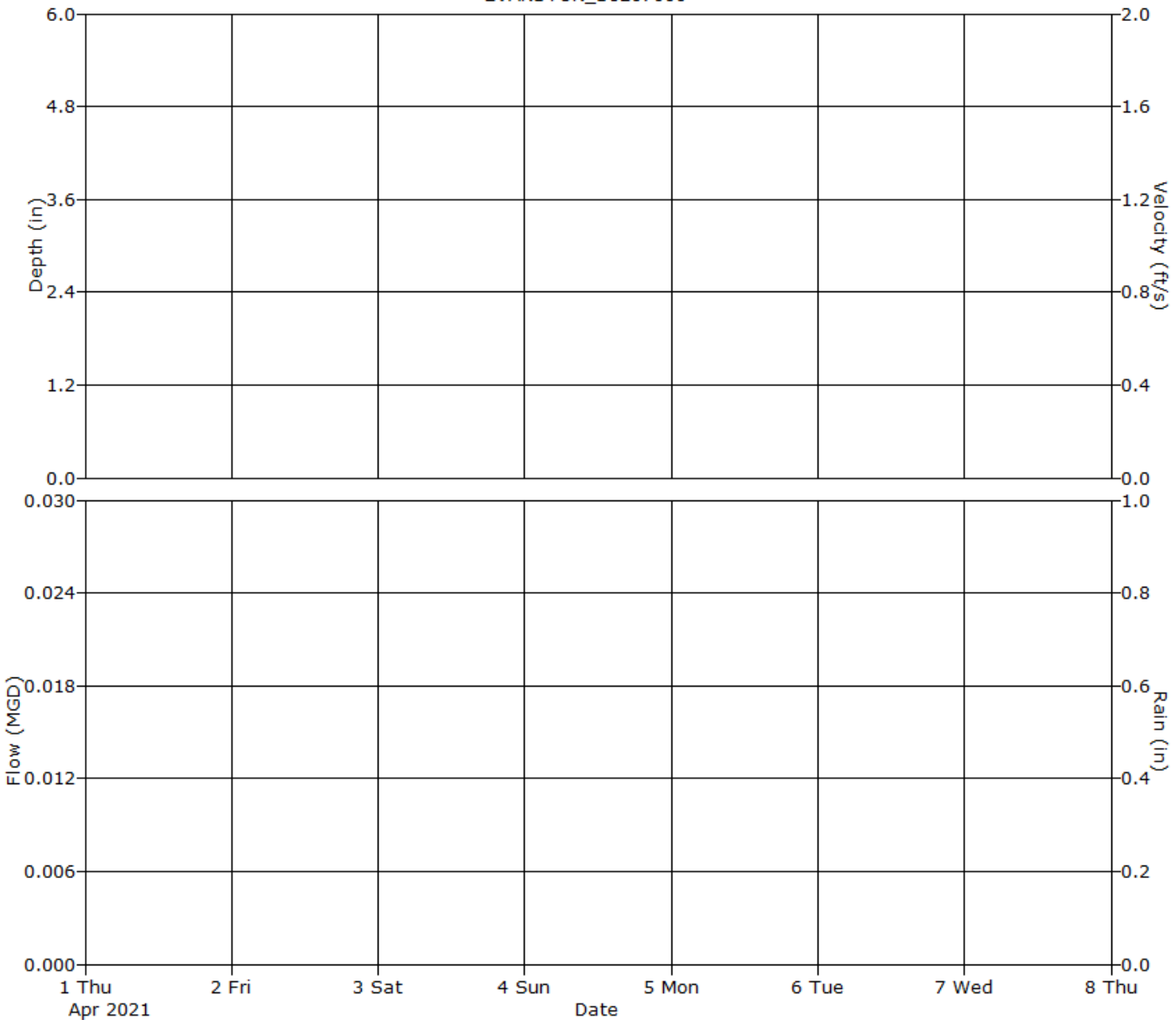


Report Period

4/1/2021
To
4/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



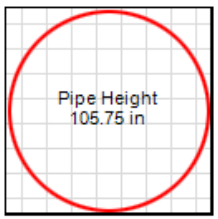
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

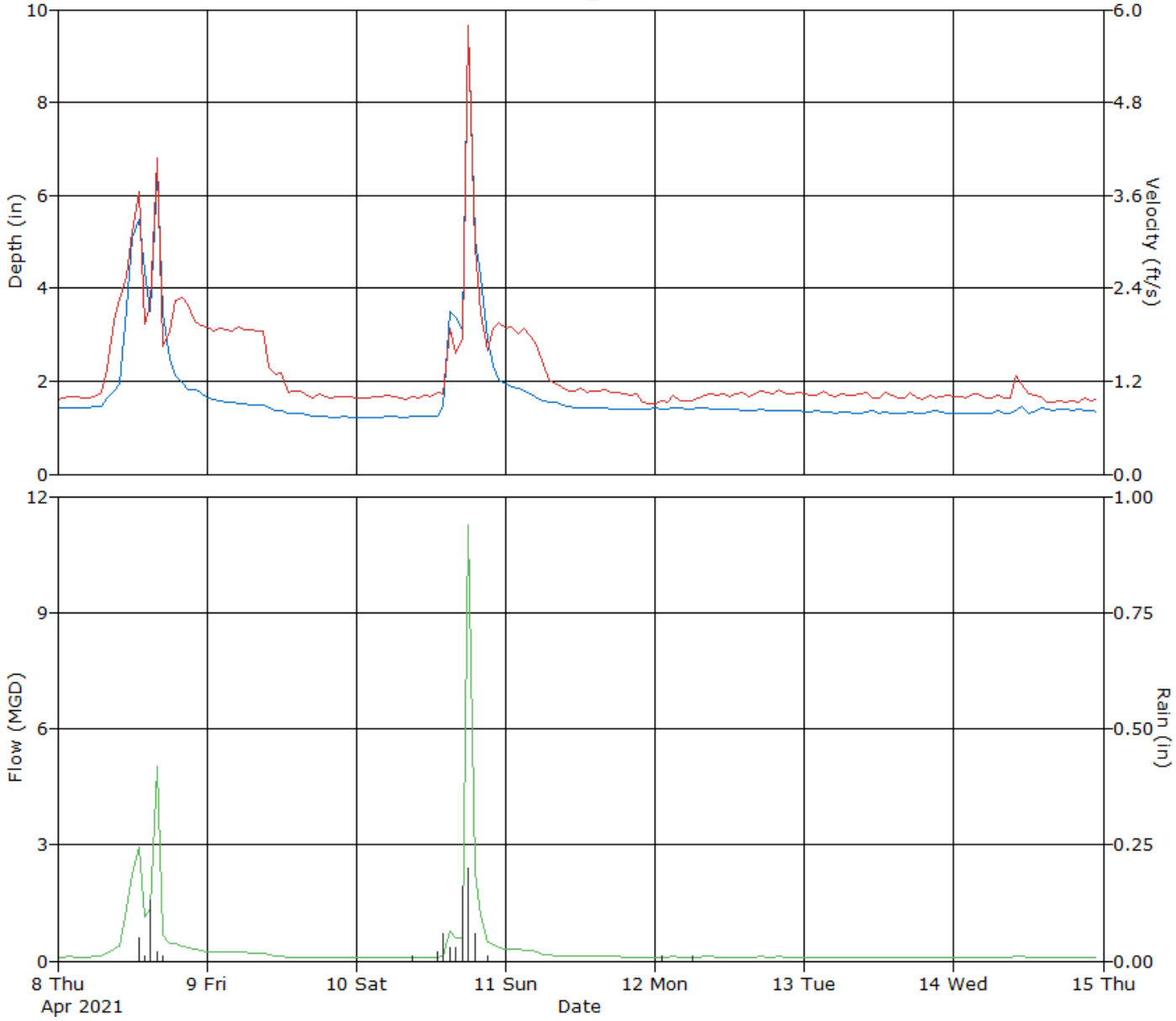


Report Period

4/8/2021
To
4/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



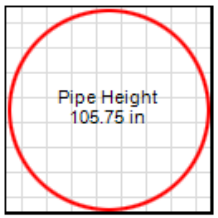
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

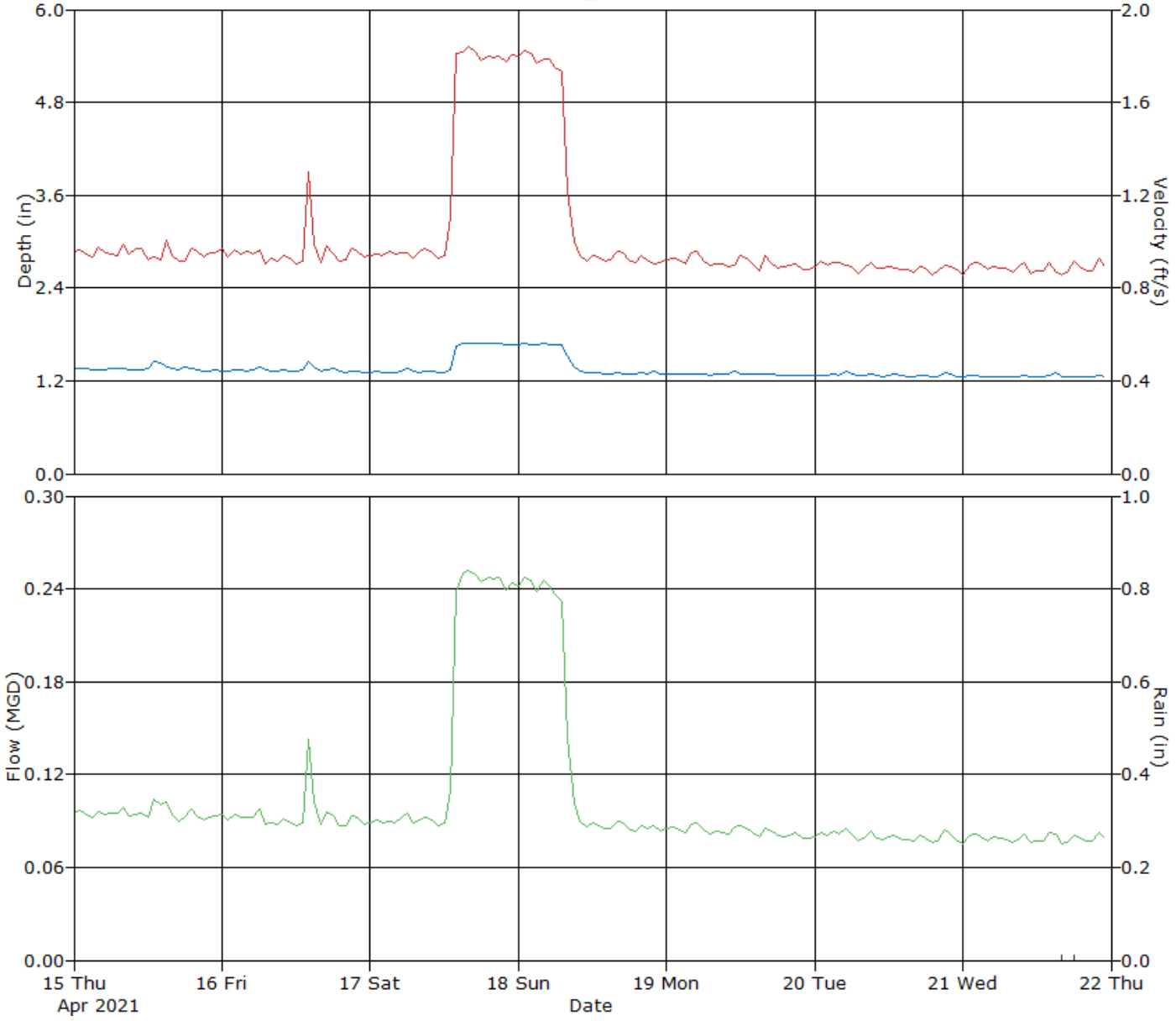


Report Period

4/15/2021
To
4/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



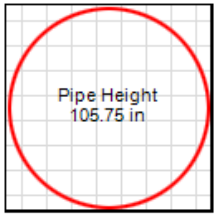
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

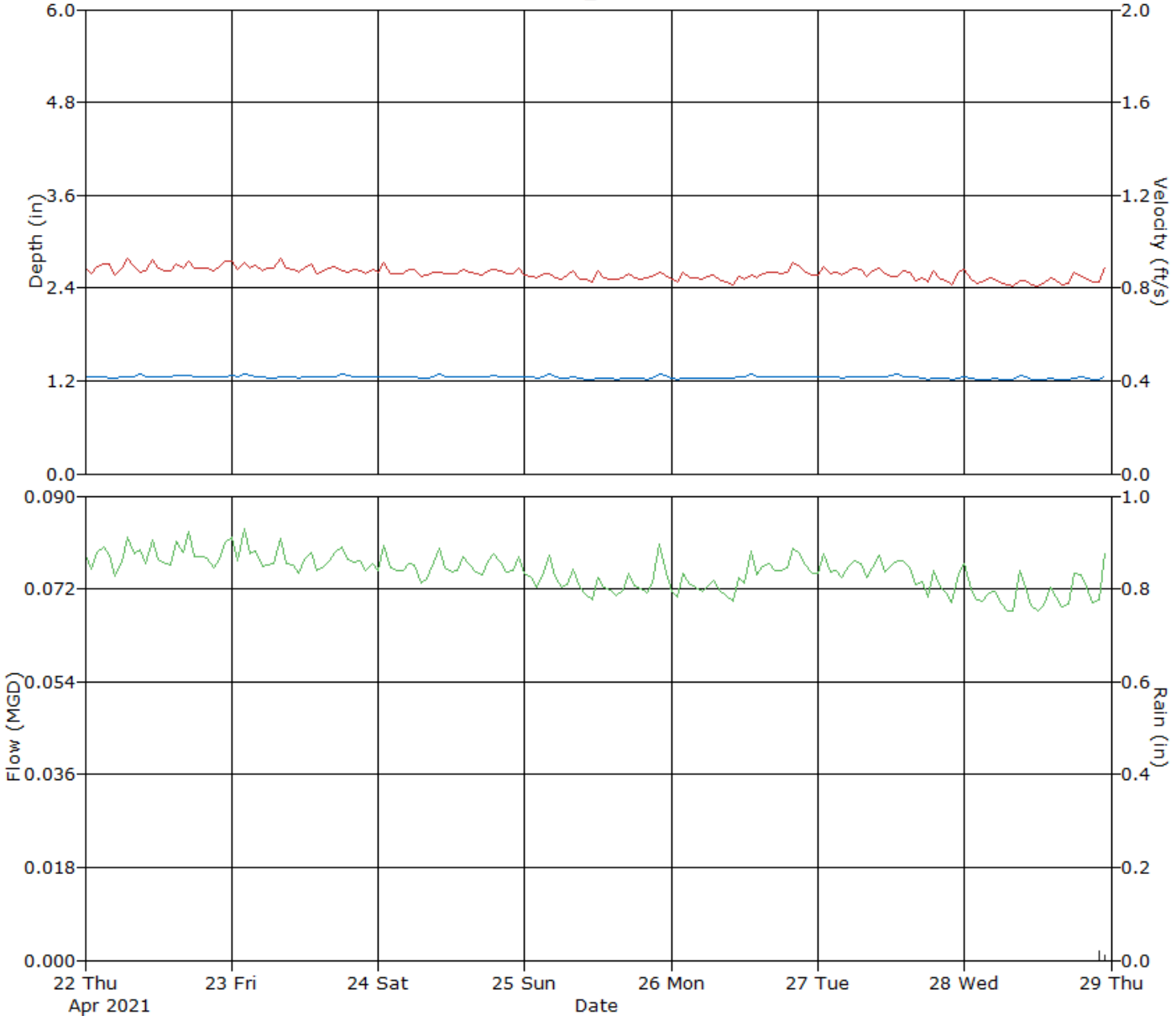


Report Period

4/22/2021
To
4/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



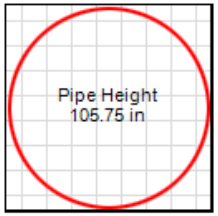
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

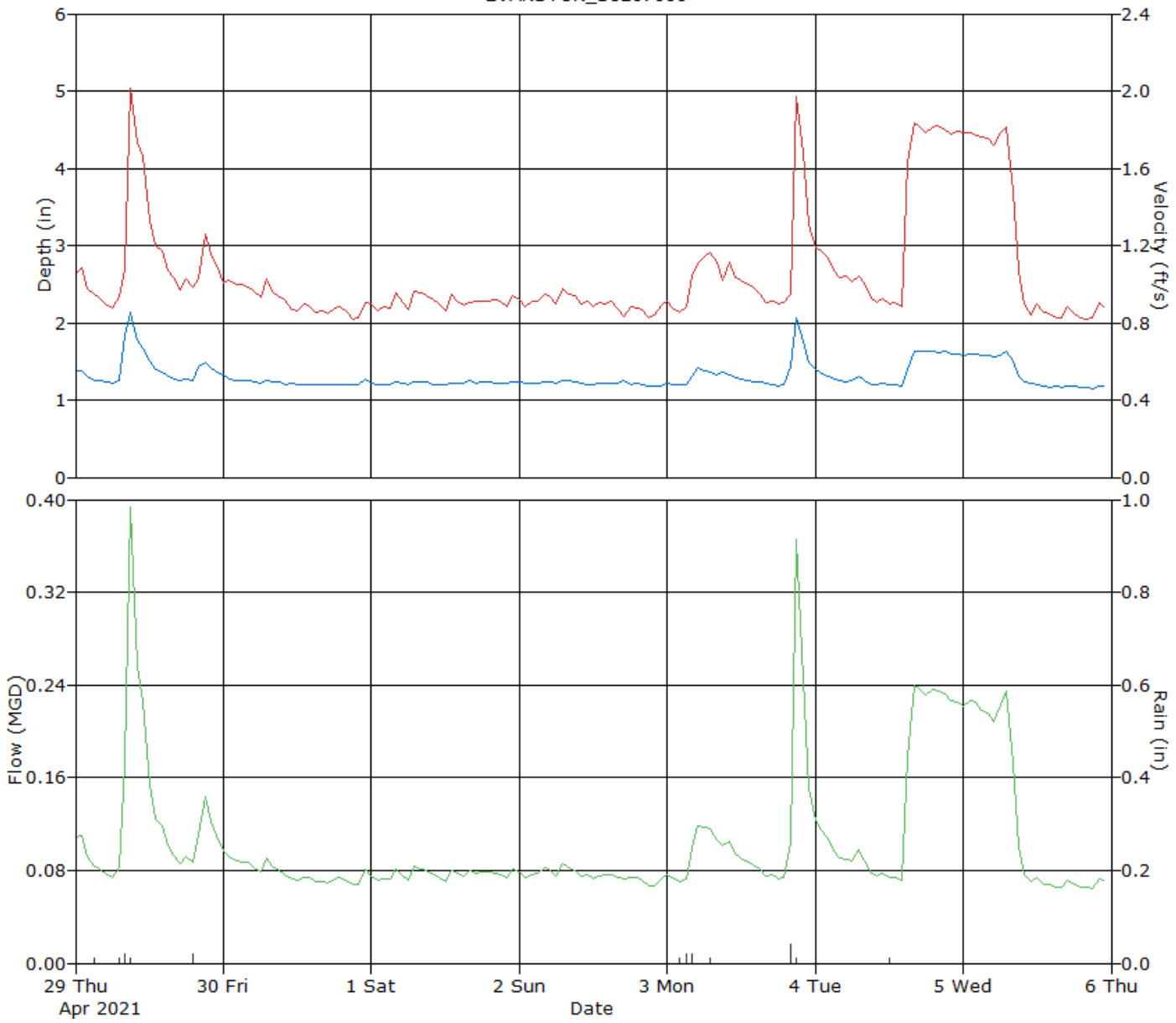


Report Period

4/29/2021
To
5/5/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



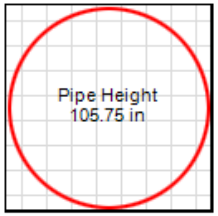
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

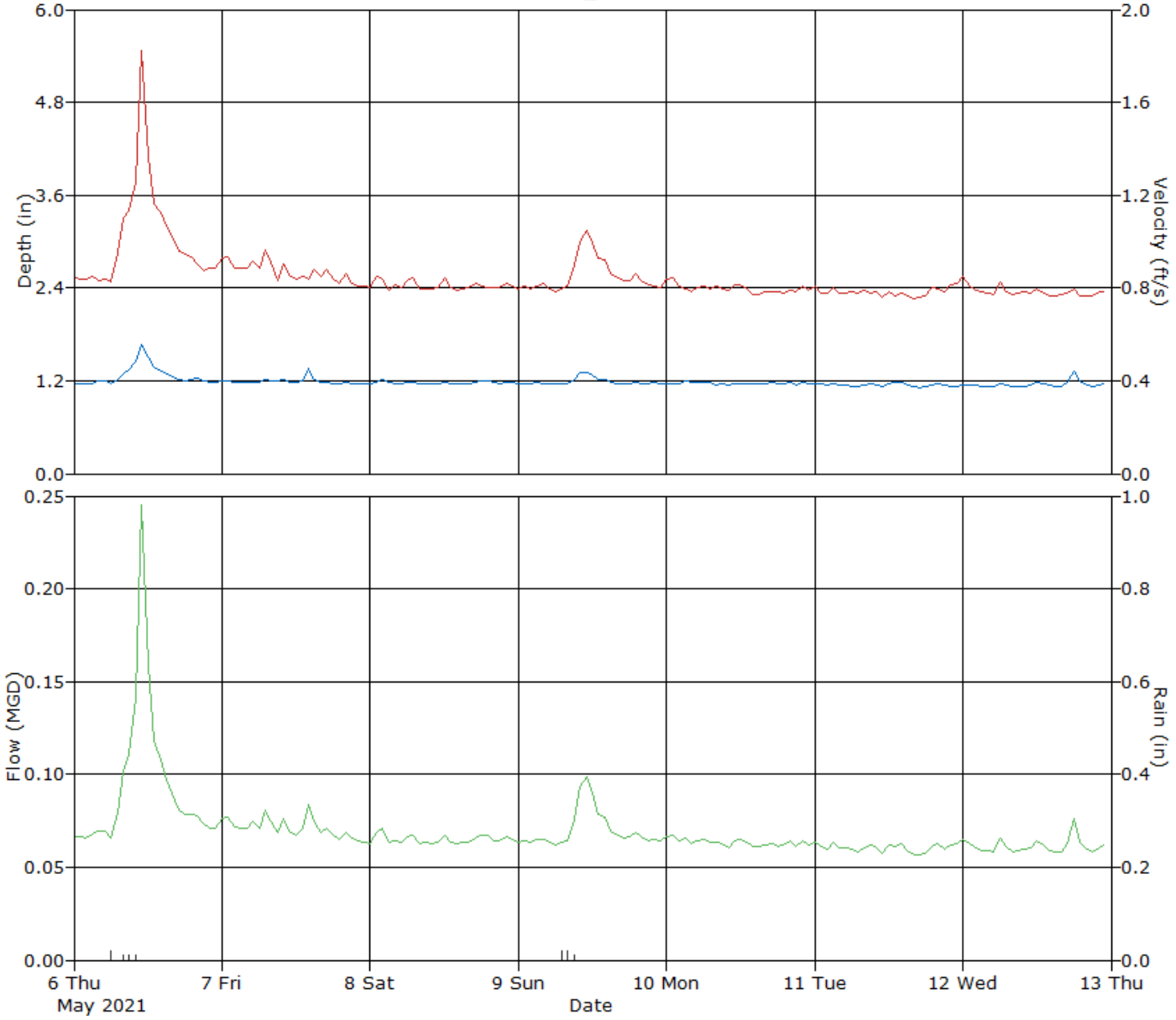


Report Period

5/6/2021
To
5/12/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



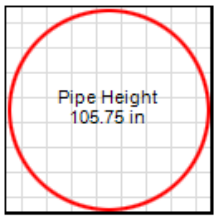
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

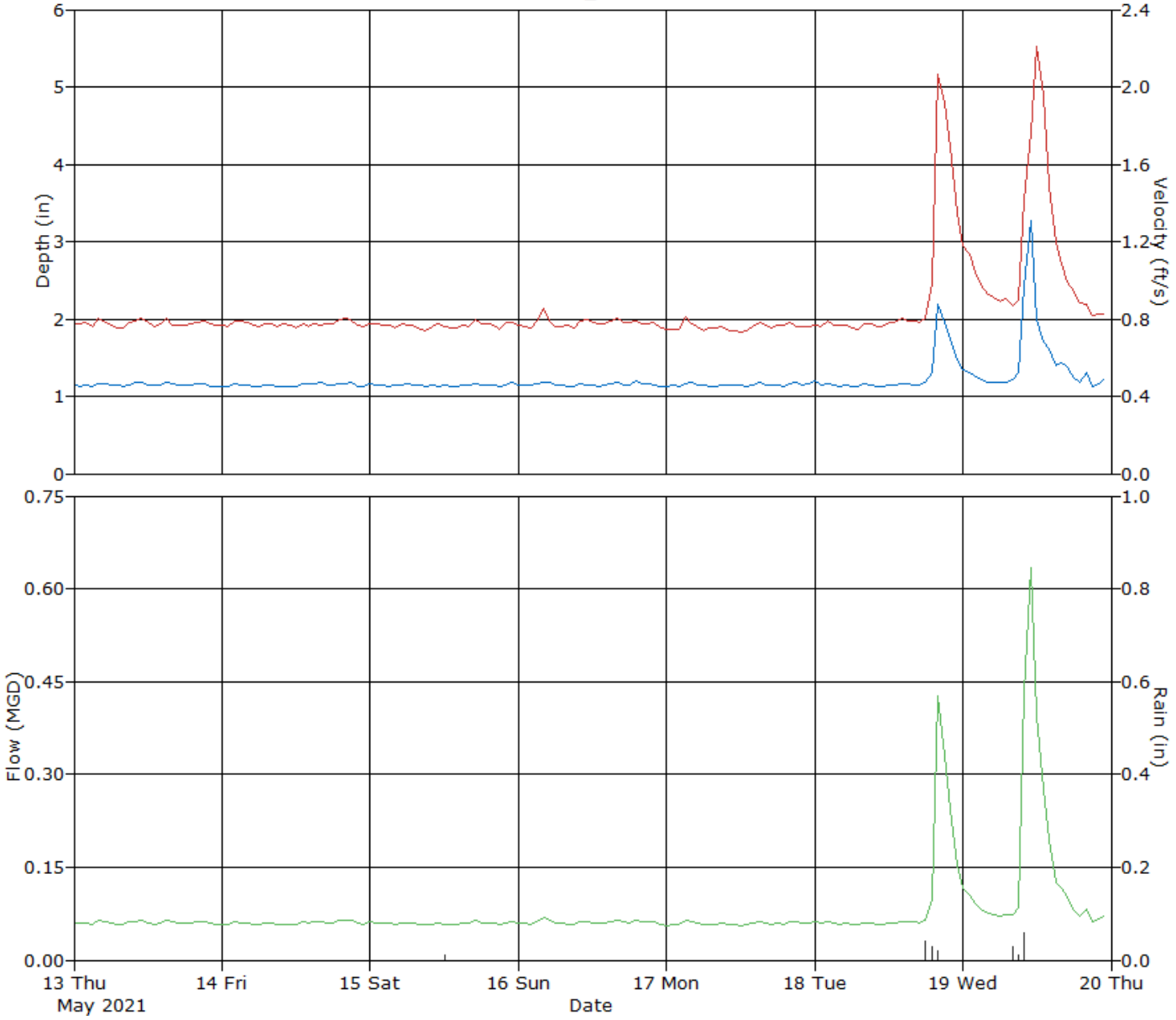


Report Period

5/13/2021
To
5/19/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



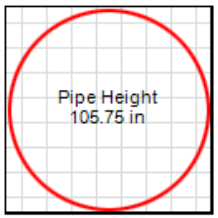
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

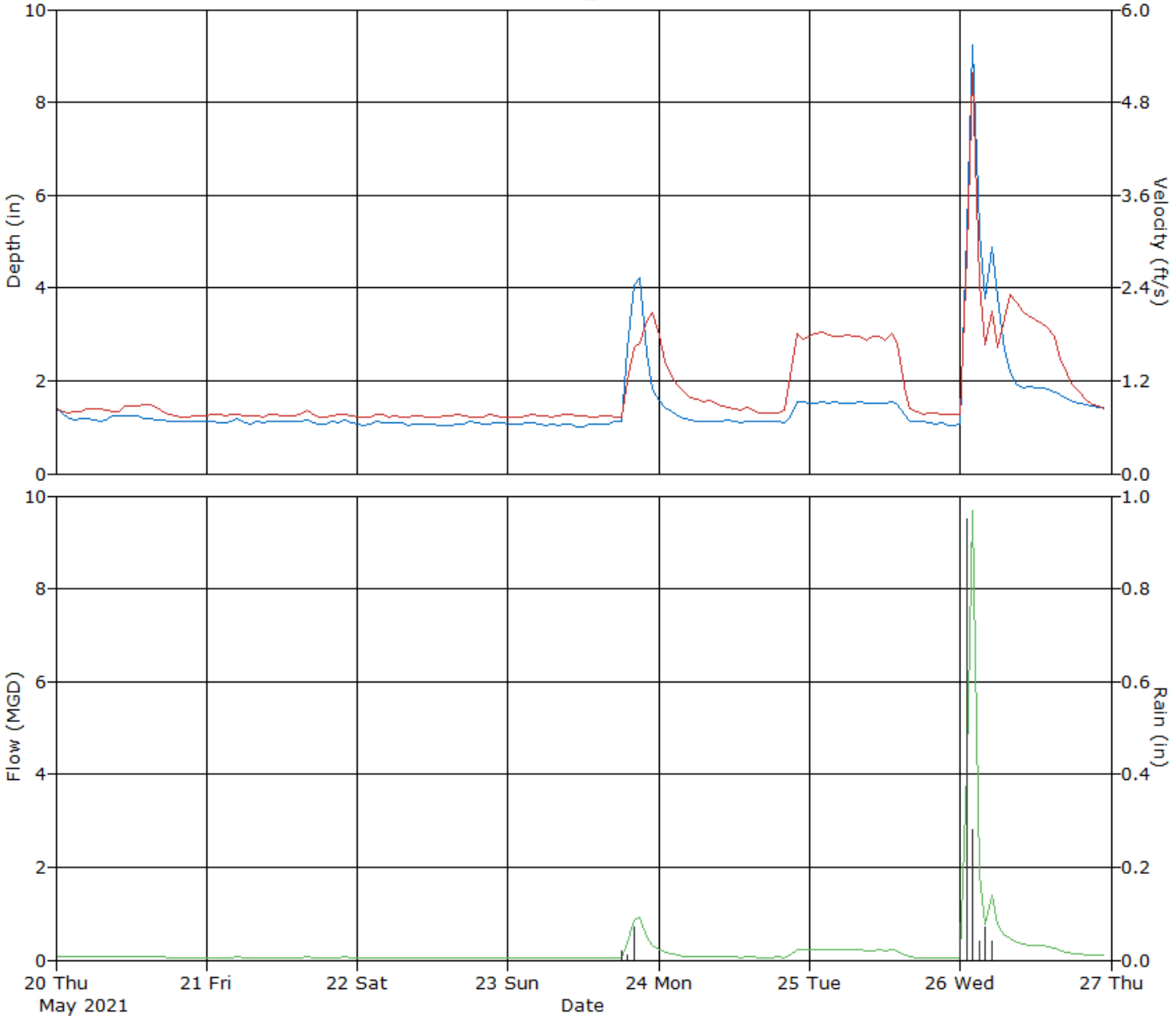


Report Period

5/20/2021
To
5/26/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



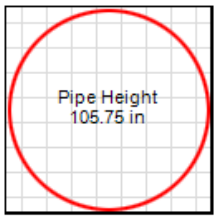
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

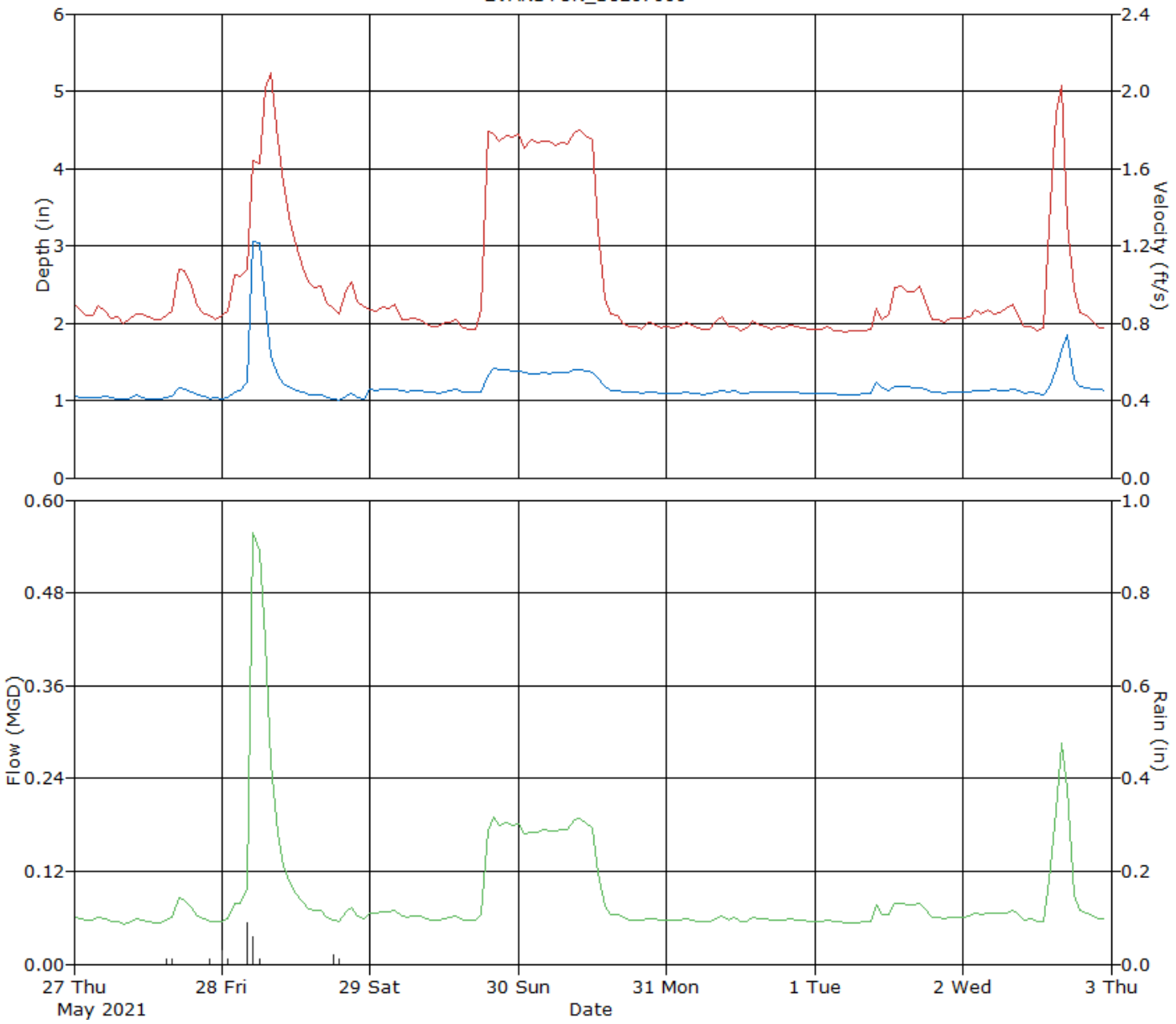


Report Period

5/27/2021
To
6/2/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



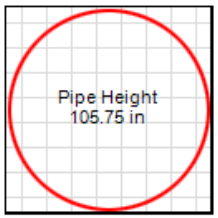
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

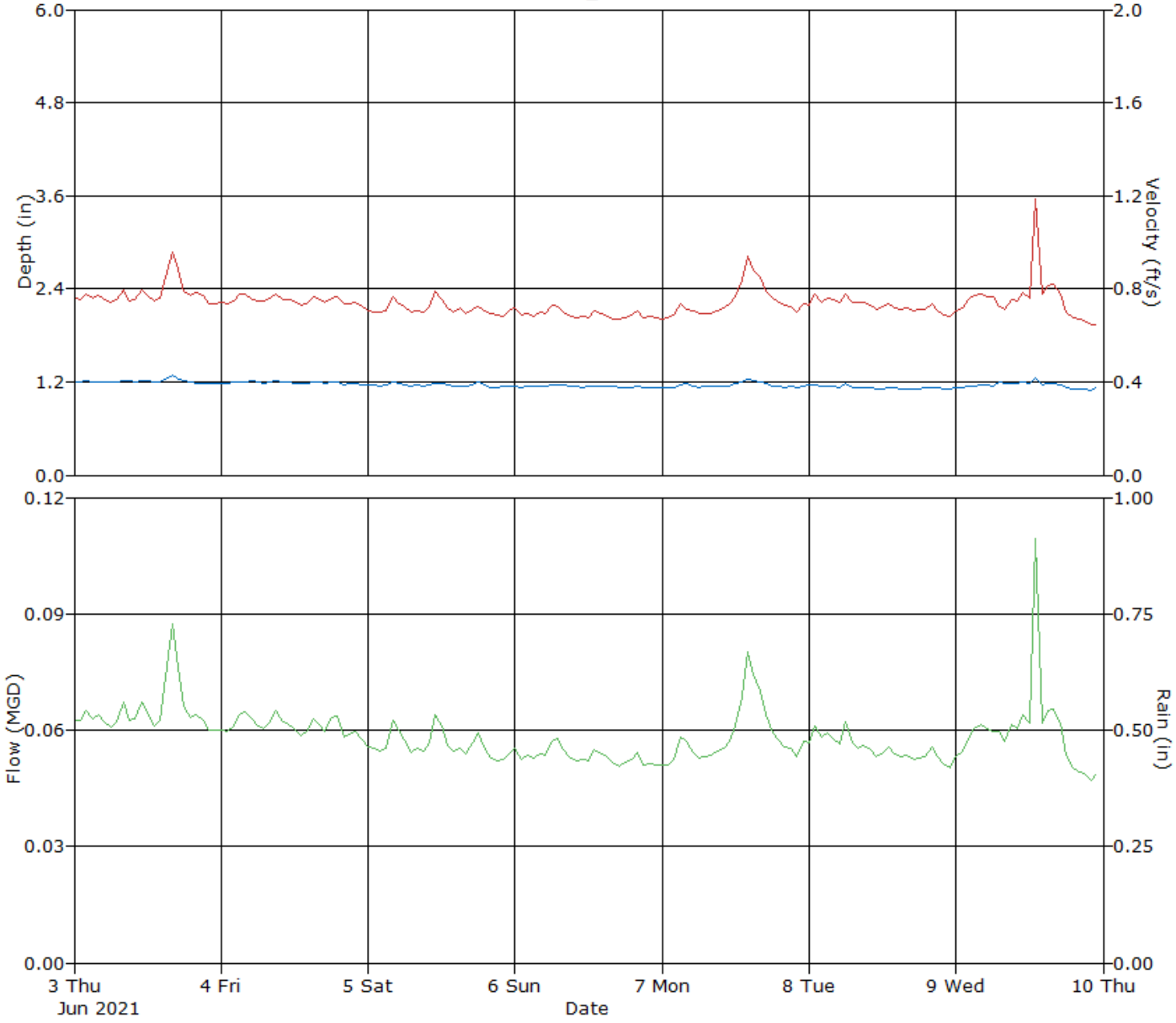


Report Period

6/3/2021
To
6/9/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



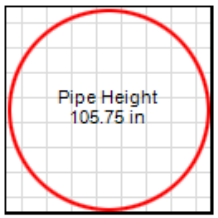
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

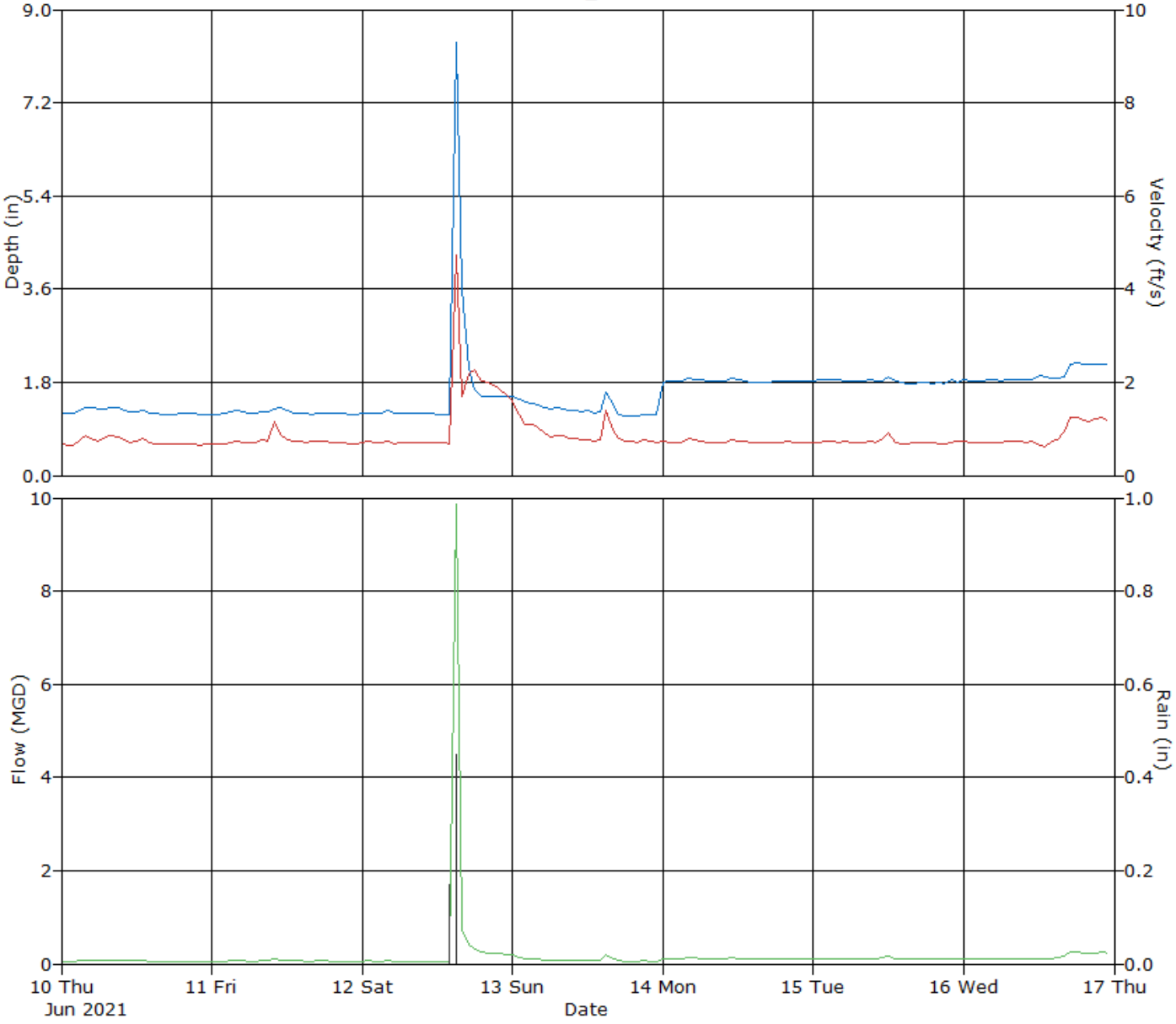


Report Period

6/10/2021
To
6/16/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



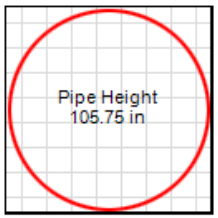
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

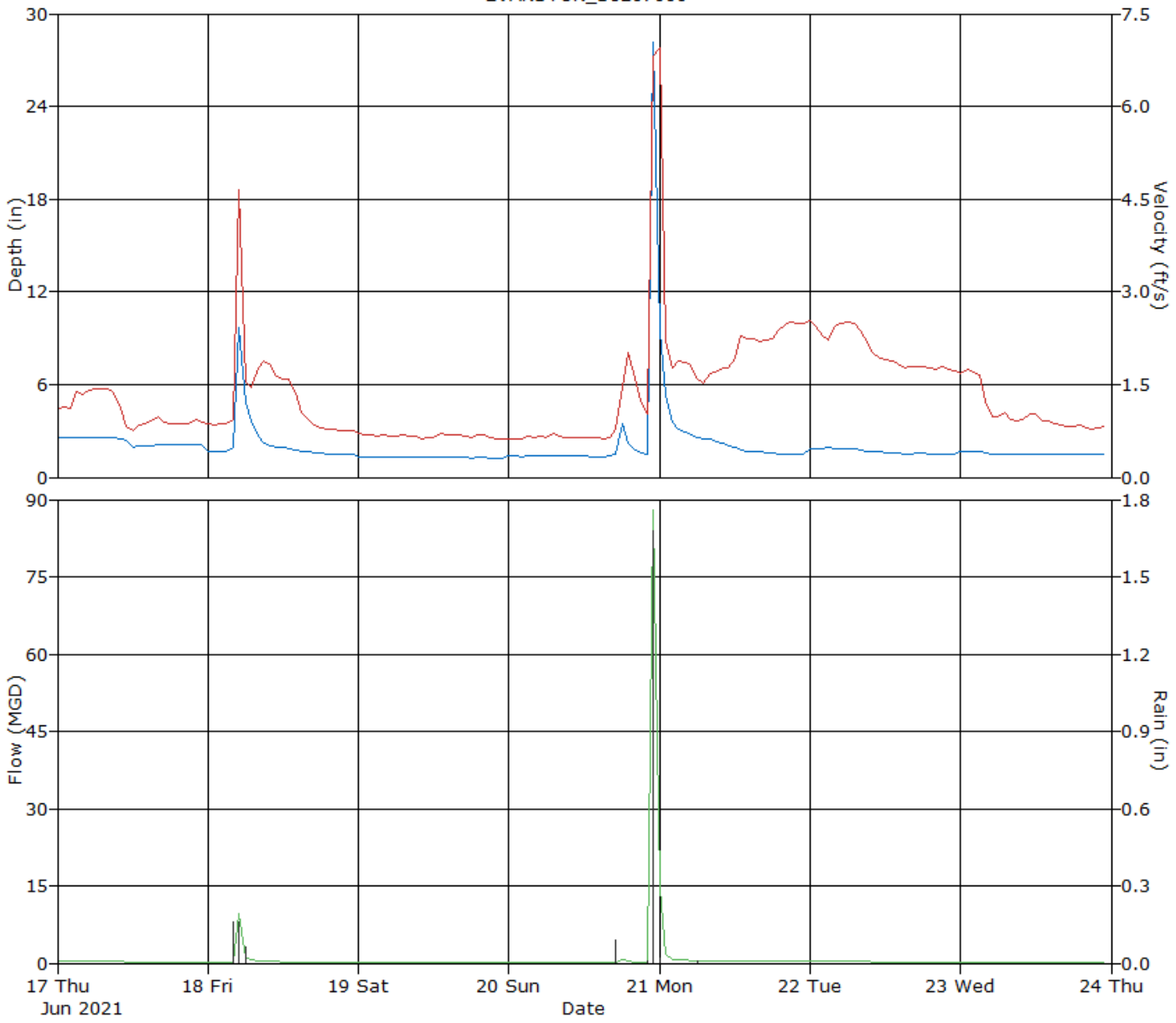


Report Period

6/17/2021
To
6/23/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



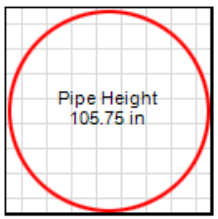
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

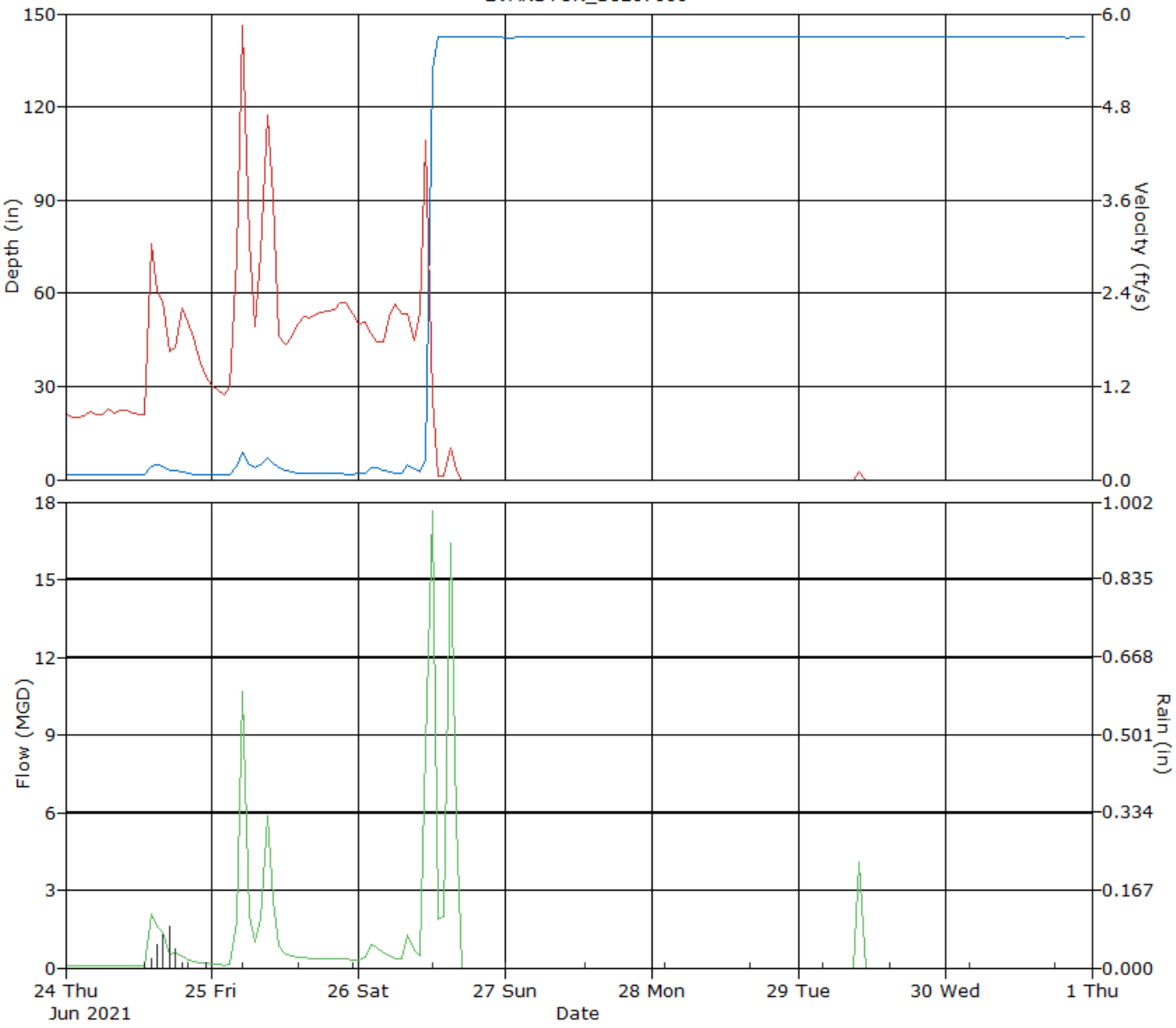


Report Period

6/24/2021
To
6/30/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



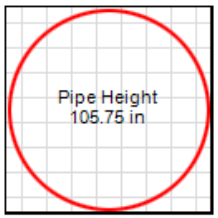
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

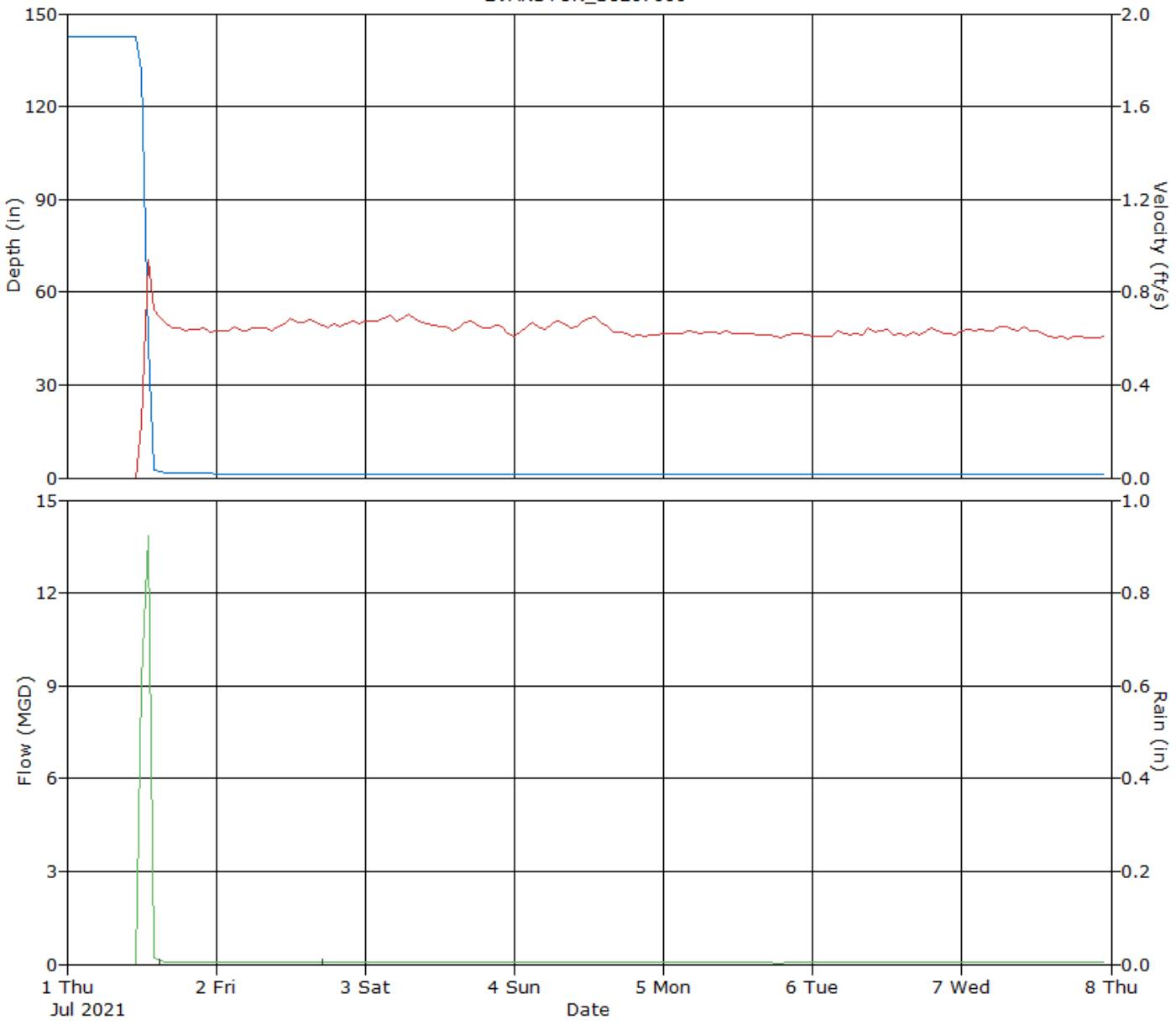


Report Period

7/1/2021
To
7/7/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



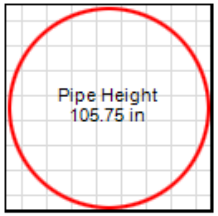
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

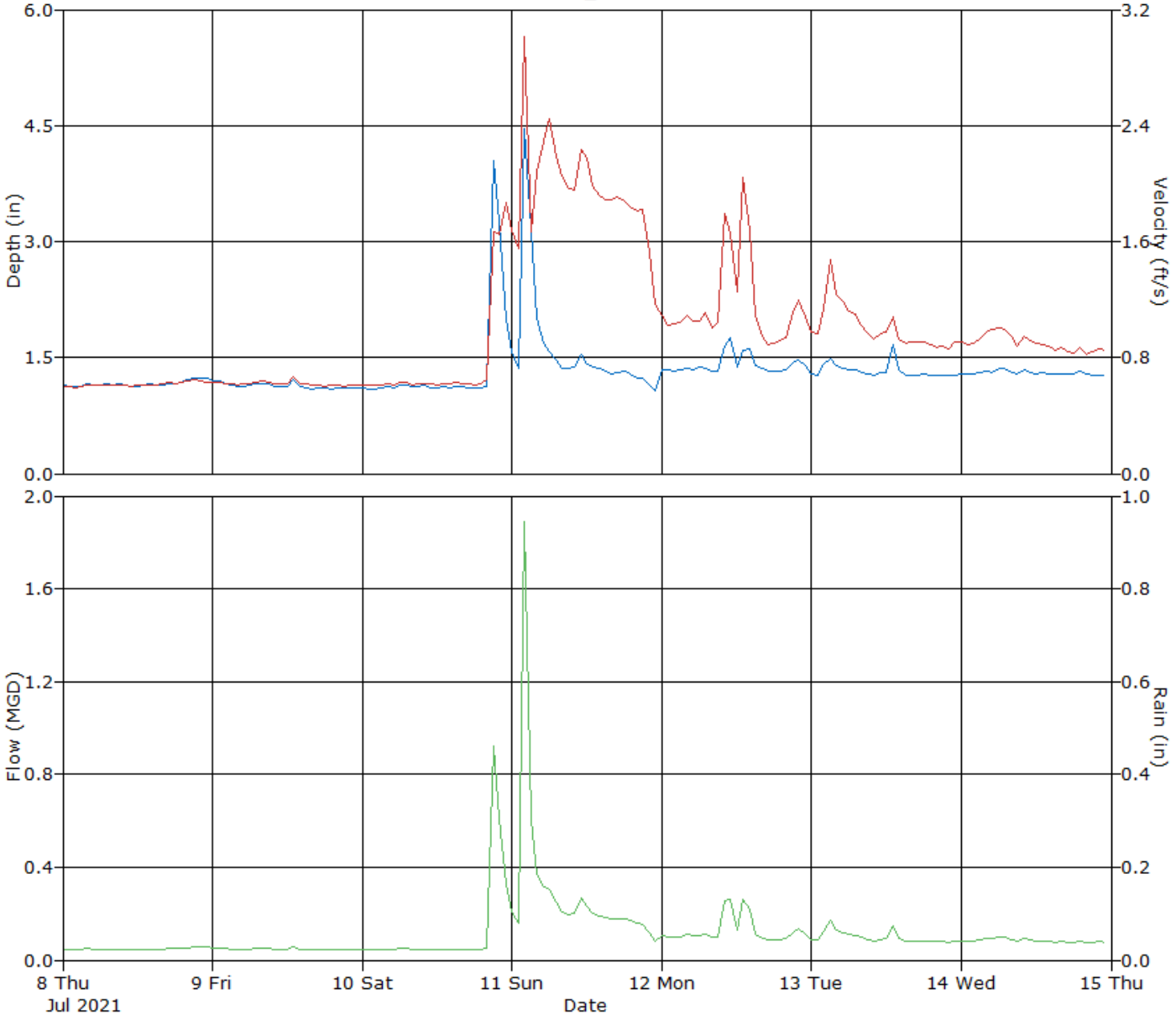


Report Period

7/8/2021
To
7/14/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



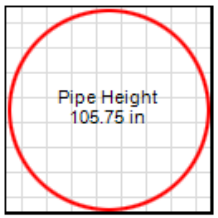
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

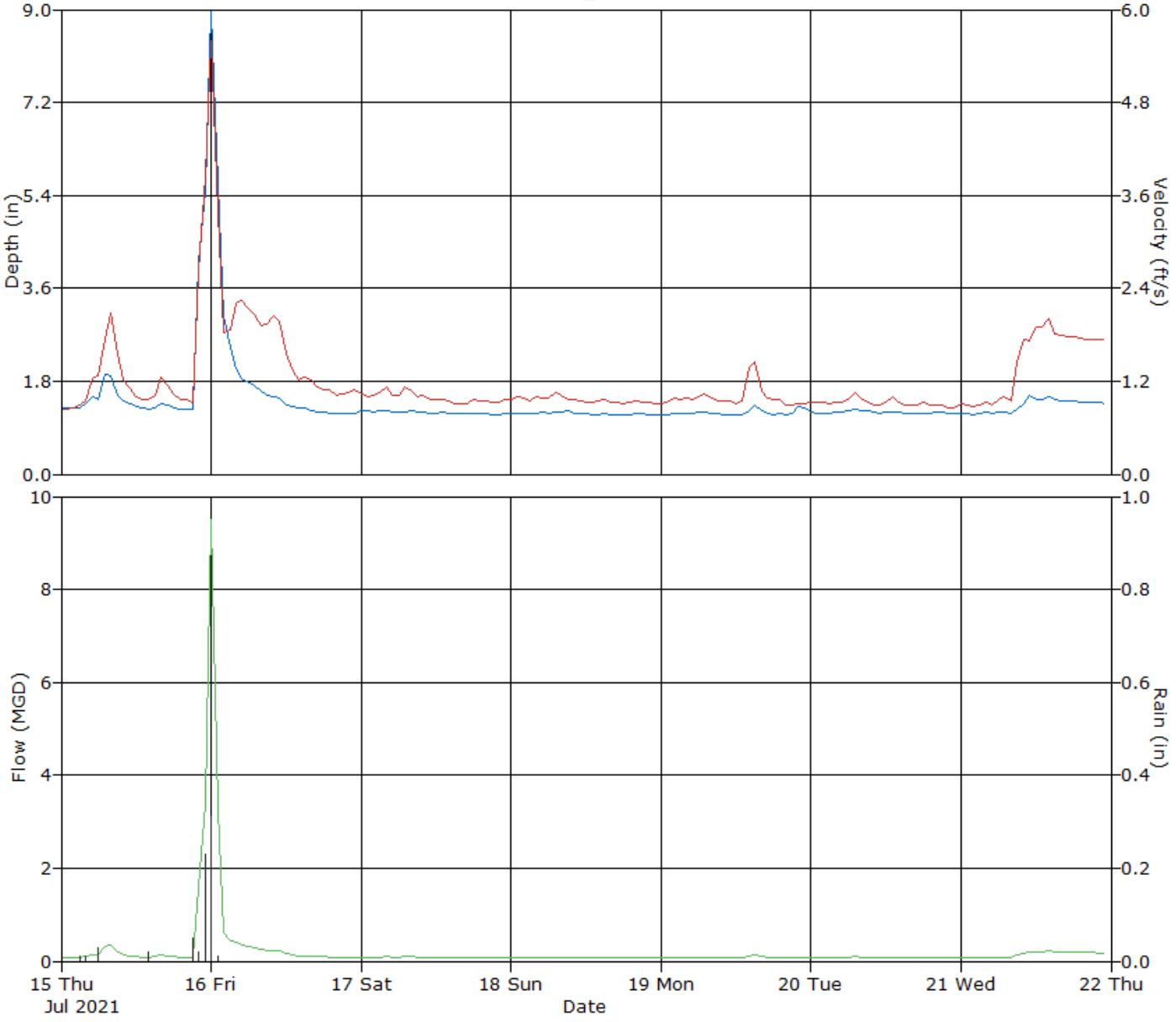


Report Period

7/15/2021
To
7/21/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



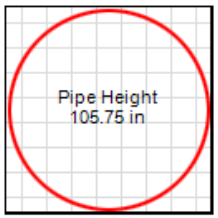
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

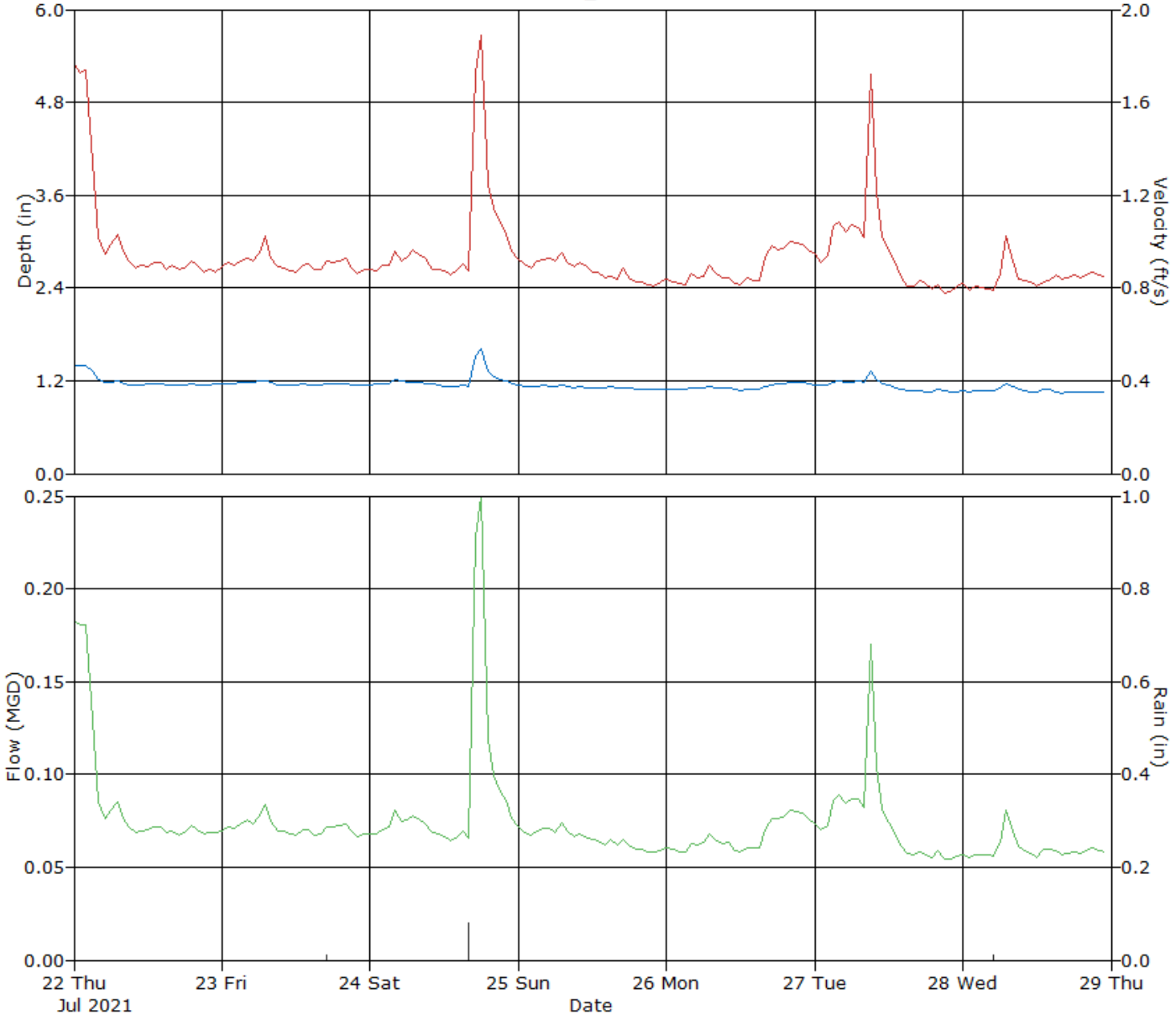


Report Period

7/22/2021
To
7/28/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



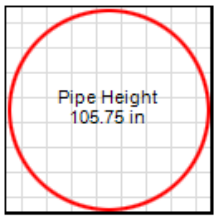
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

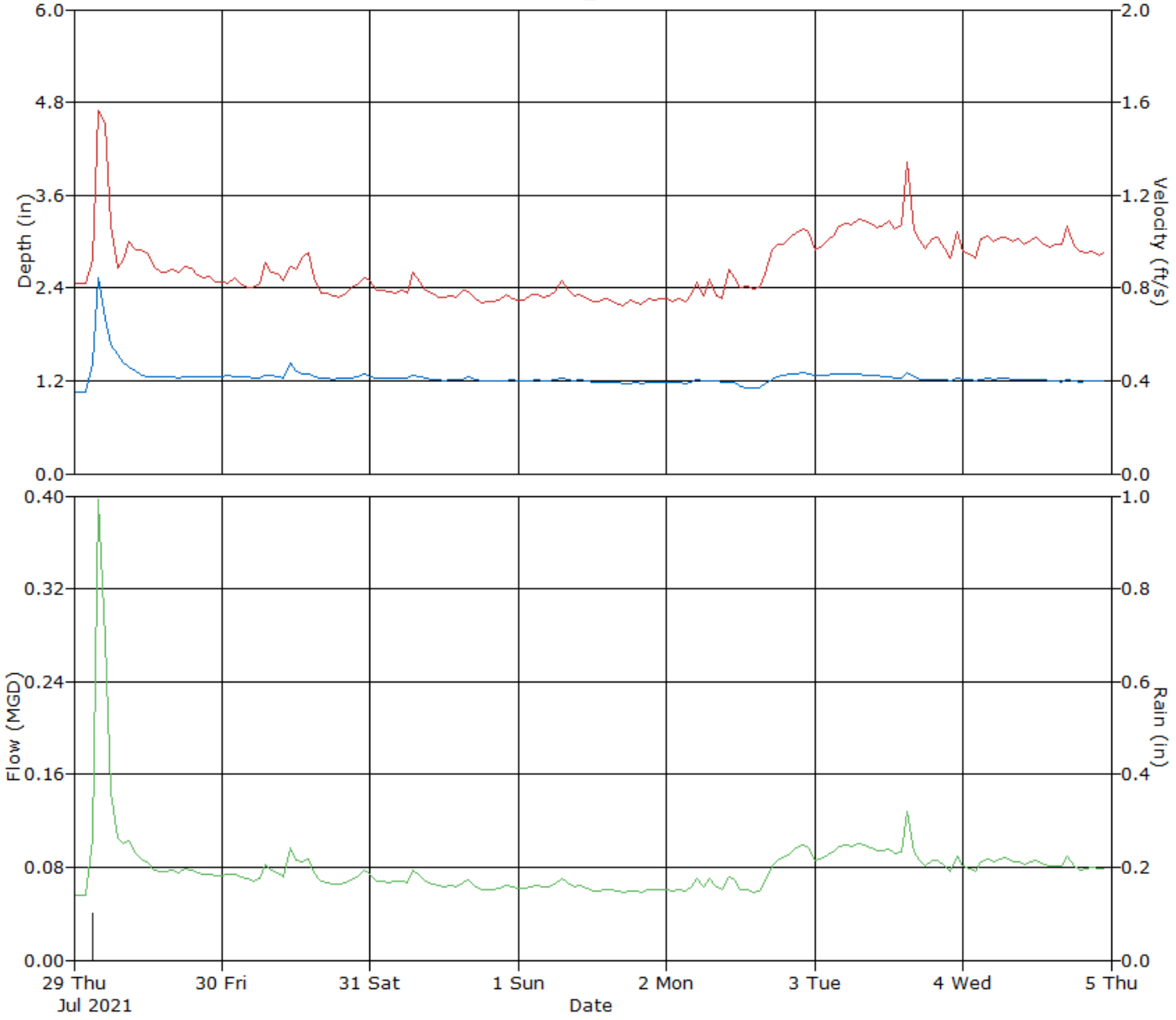


Report Period

7/29/2021
To
8/4/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



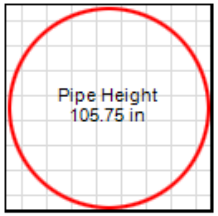
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

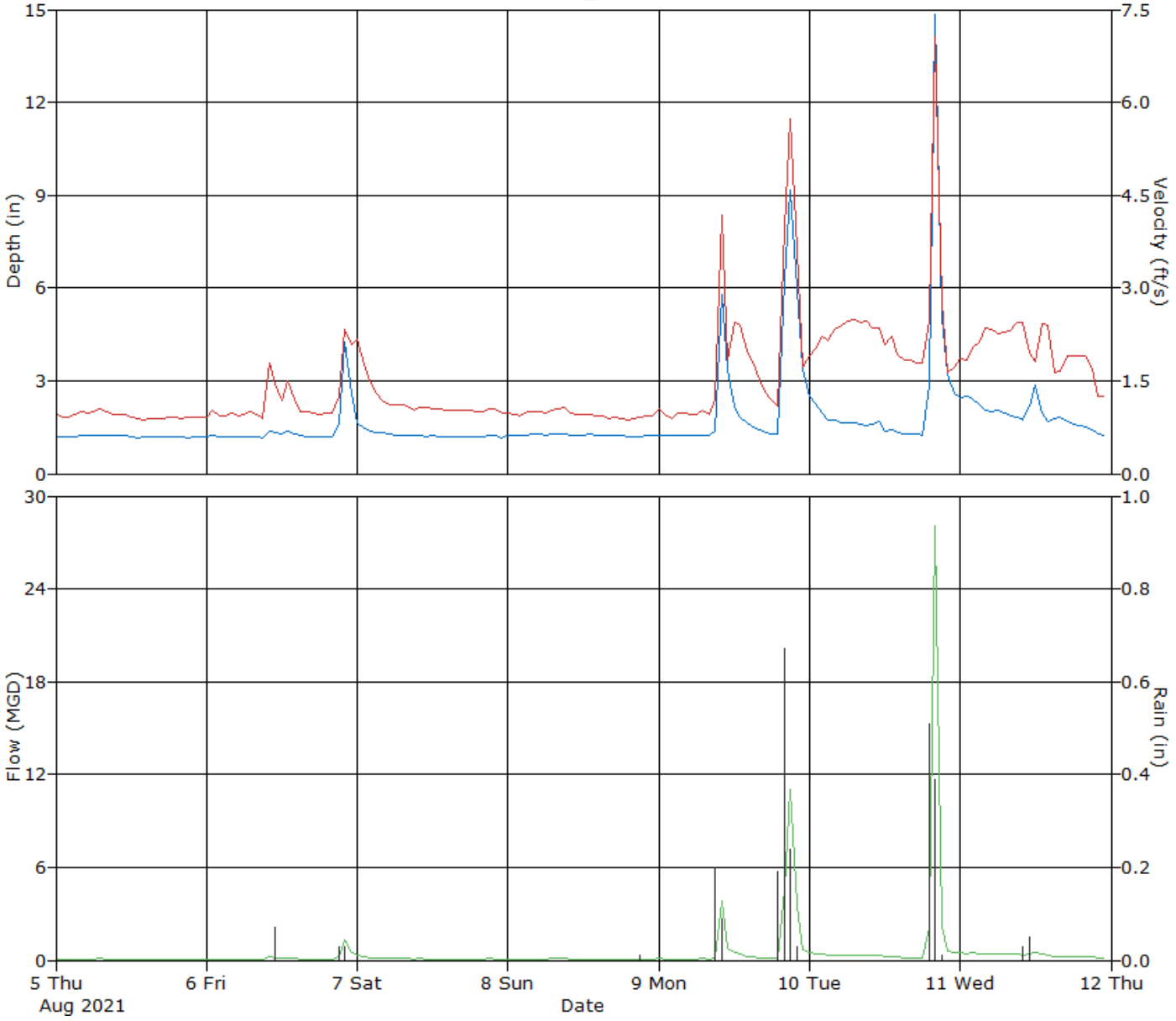


Report Period

8/5/2021
To
8/11/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



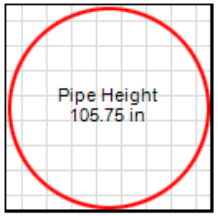
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

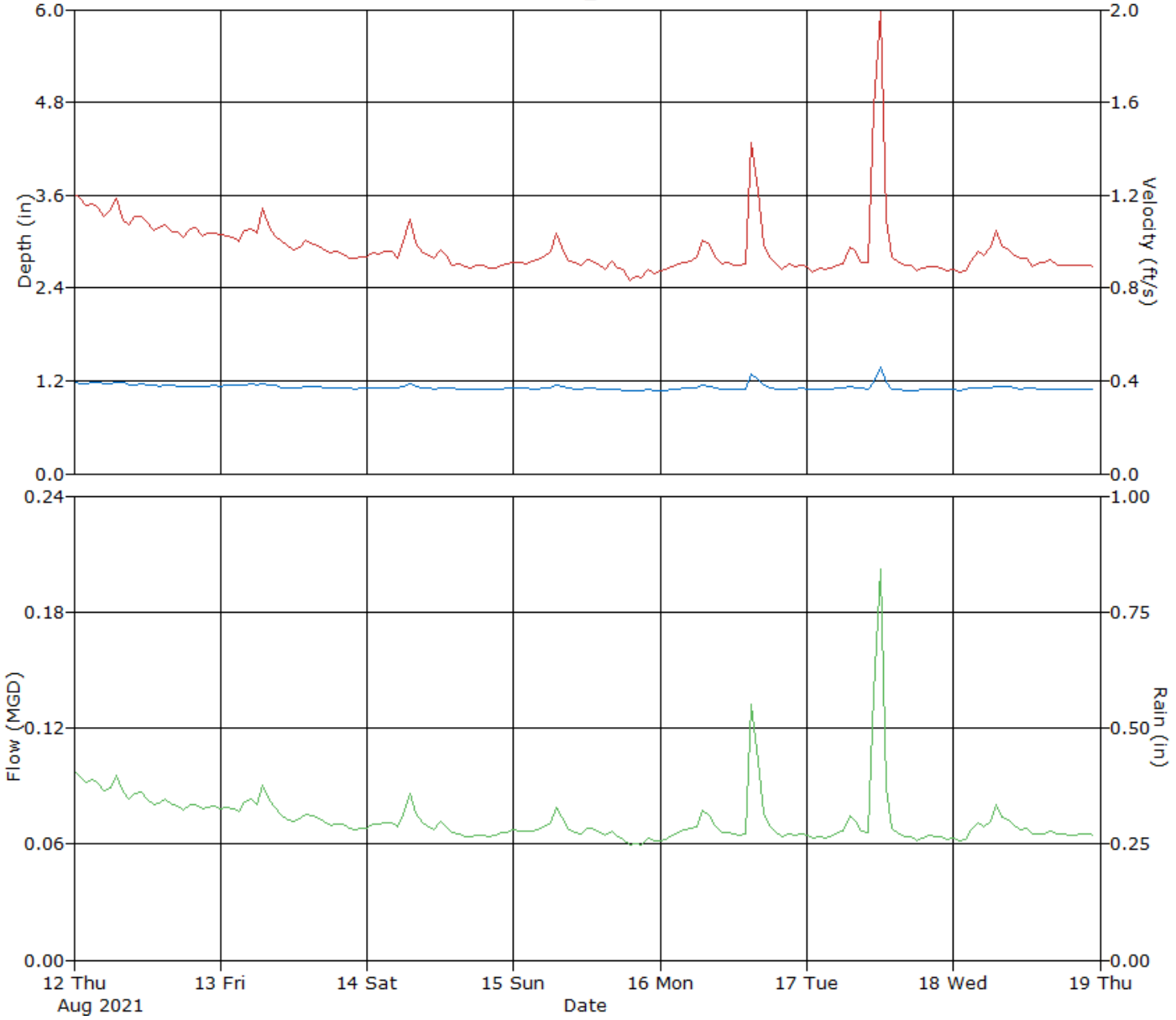


Report Period

8/12/2021
To
8/18/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



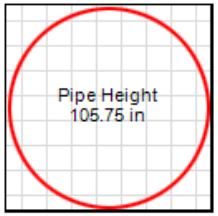
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

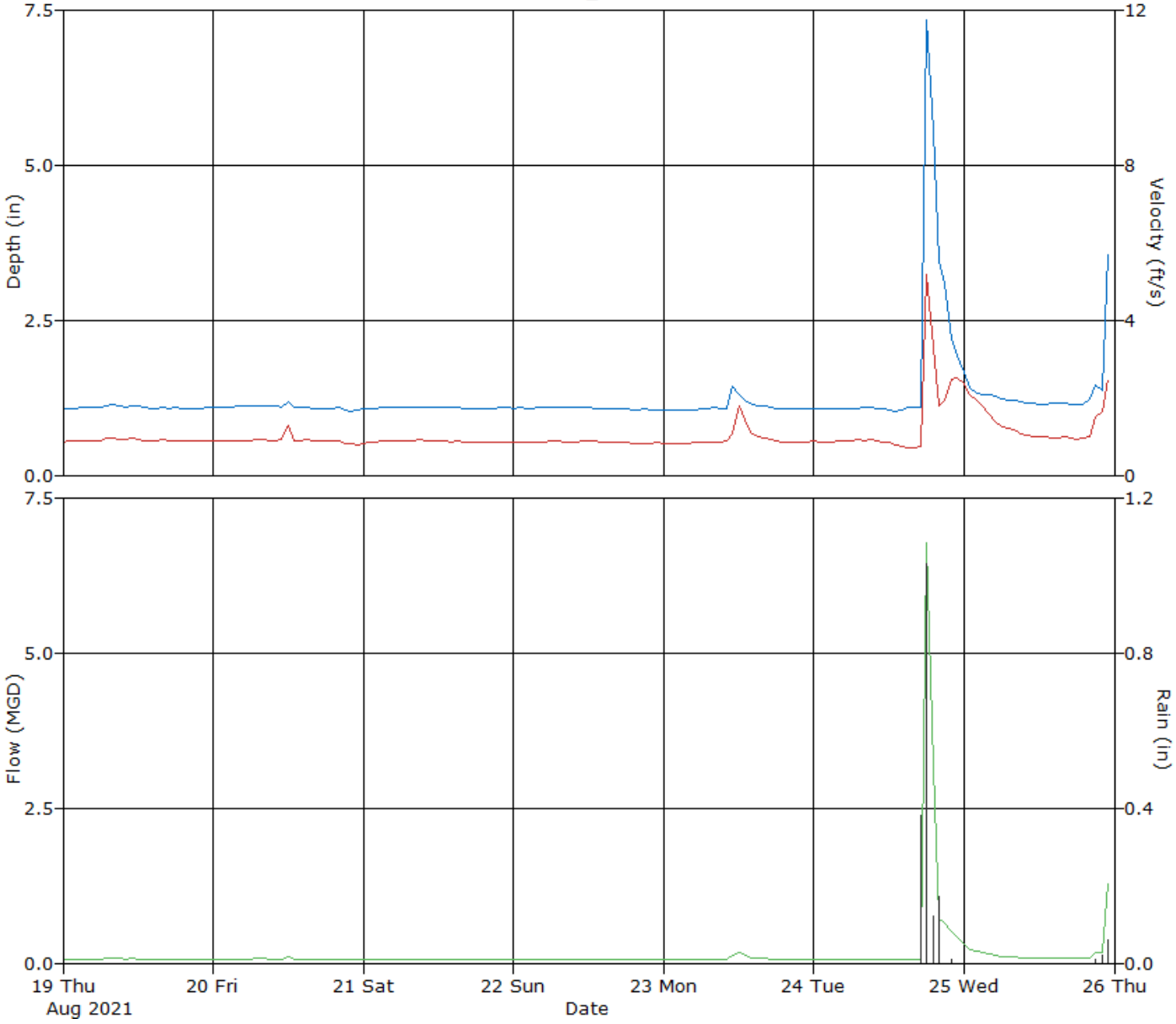


Report Period

8/19/2021
To
8/25/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



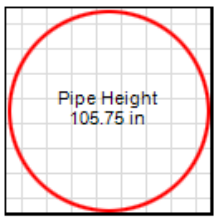
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_S8207000

Flow Monitor

EVANSTON_S8207000

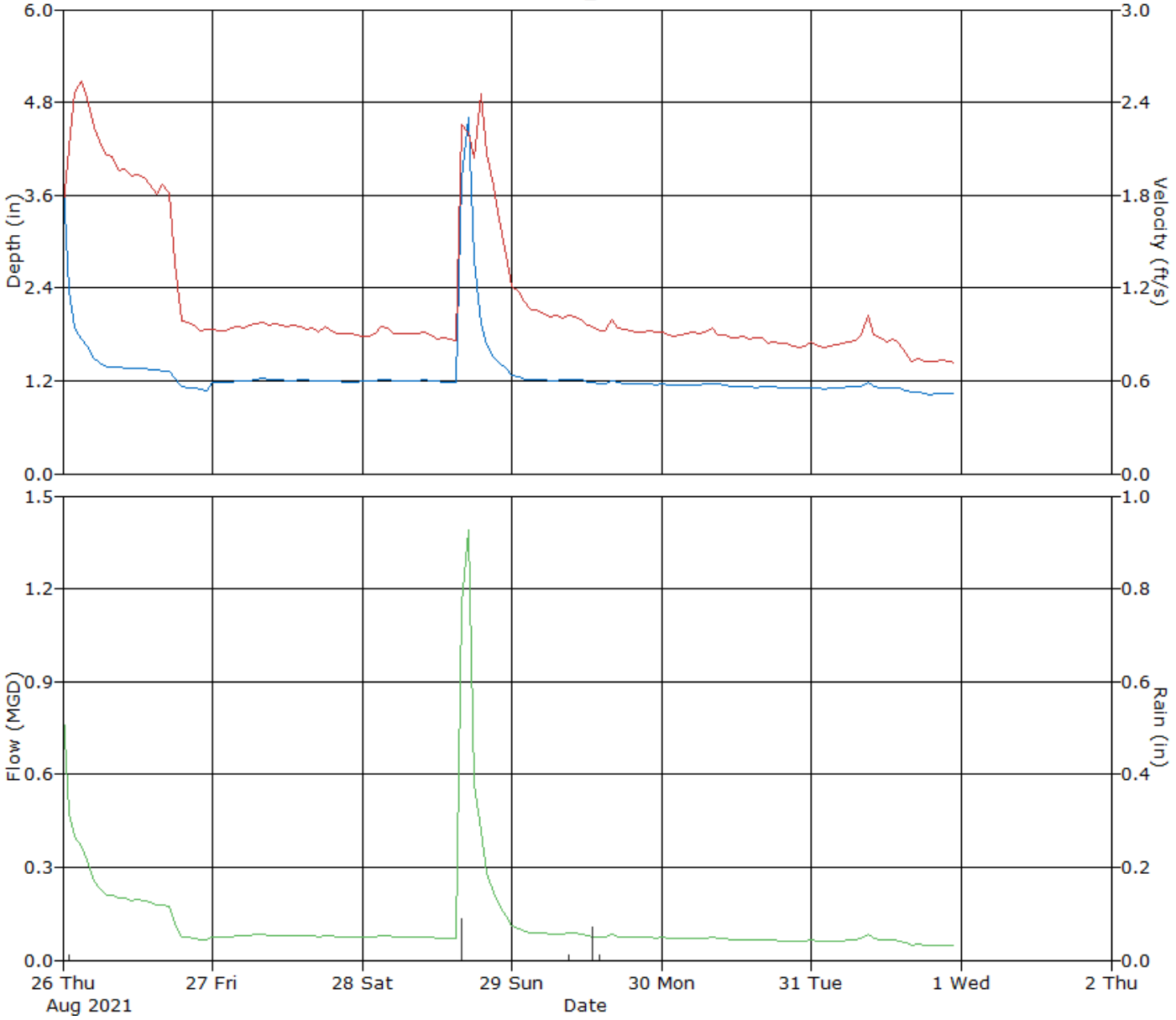


Report Period

8/26/2021
To
8/31/2021

Legend

- Depth
- Velocity
- Quantity
- Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_S8207000, Pipe Height: 105.75 in, Silt: -- in

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021	01:45	1.42	16:00	9.49	2.53	01:45	0.93	16:00	6.60	1.88	01:45	0.099	16:00	11.798	0.778	104036	0.22
04/09/2021	23:55	1.21	00:00	1.64	1.39	17:40	0.92	00:05	2.02	1.41	23:45	0.078	00:05	0.266	0.152	20326	
04/10/2021	01:05	1.20	18:35	12.44	2.29	10:40	0.91	18:40	7.14	1.52	01:25	0.077	18:35	18.912	0.806	107696	0.58
04/11/2021	20:55	1.38	00:00	1.96	1.53	23:10	0.89	00:00	2.01	1.27	23:10	0.092	00:00	0.346	0.159	21232	
04/12/2021	23:55	1.35	00:40	1.44	1.39	00:30	0.86	17:15	1.12	1.01	00:00	0.091	17:25	0.120	0.105	13971	0.02
04/13/2021	19:50	1.31	21:15	1.38	1.33	12:25	0.87	03:20	1.14	1.01	12:25	0.083	03:20	0.114	0.098	13061	
04/14/2021	12:35	1.29	10:55	1.54	1.35	19:00	0.88	10:40	1.81	1.00	02:10	0.086	10:40	0.191	0.099	13252	
04/15/2021	22:20	1.32	13:40	1.58	1.36	03:15	0.86	20:30	1.08	0.95	03:15	0.085	13:35	0.119	0.095	12713	
04/16/2021	20:50	1.30	14:30	1.48	1.34	01:30	0.86	14:20	1.69	0.96	12:10	0.082	14:20	0.190	0.094	12503	
04/17/2021	12:20	1.30	17:45	1.72	1.47	05:45	0.87	17:40	1.93	1.31	05:45	0.083	17:40	0.270	0.156	20821	
04/18/2021	23:45	1.27	04:30	1.71	1.44	23:45	0.87	03:55	1.91	1.23	23:45	0.078	03:55	0.259	0.141	18869	
04/19/2021	23:55	1.25	11:20	1.34	1.28	15:40	0.84	04:25	1.00	0.91	23:50	0.075	04:25	0.093	0.083	11112	
04/20/2021	23:35	1.25	05:30	1.34	1.27	16:10	0.83	01:25	0.96	0.89	16:10	0.073	05:35	0.088	0.080	10701	
04/21/2021	08:50	1.24	15:05	1.33	1.26	08:50	0.84	01:55	0.98	0.89	08:50	0.073	01:55	0.089	0.079	10517	0.02
04/22/2021	05:45	1.24	09:00	1.31	1.26	05:45	0.83	11:05	0.98	0.89	05:45	0.072	23:40	0.087	0.079	10506	
04/23/2021	11:25	1.24	18:35	1.31	1.26	12:00	0.84	08:05	0.99	0.88	12:00	0.072	02:15	0.087	0.078	10428	
04/24/2021	09:15	1.23	10:05	1.31	1.25	17:20	0.83	01:25	0.96	0.87	17:20	0.072	01:40	0.085	0.076	10219	
04/25/2021	15:50	1.21	22:30	1.33	1.24	11:40	0.80	12:35	0.90	0.85	11:40	0.068	22:30	0.084	0.074	9832	
04/26/2021	06:20	1.22	13:30	1.32	1.24	10:00	0.80	20:35	0.95	0.85	10:05	0.069	20:35	0.084	0.074	9935	
04/27/2021	18:30	1.22	12:55	1.31	1.25	22:30	0.81	14:45	0.95	0.86	22:30	0.068	14:45	0.084	0.075	10028	
04/28/2021	13:30	1.20	23:55	1.32	1.23	08:25	0.79	23:55	0.97	0.83	08:25	0.066	23:55	0.093	0.071	9518	0.03
04/29/2021	06:15	1.22	09:10	2.29	1.42	06:35	0.84	09:20	2.26	1.15	06:35	0.072	09:15	0.481	0.129	17269	0.07
04/30/2021	17:15	1.18	00:00	1.36	1.23	21:55	0.80	07:15	1.15	0.92	21:55	0.066	07:15	0.103	0.078	10465	
05/01/2021	12:00	1.19	16:15	1.28	1.22	12:05	0.81	13:40	1.03	0.91	12:05	0.067	08:55	0.088	0.077	10250	
05/02/2021	23:00	1.17	17:05	1.28	1.22	21:45	0.80	07:00	1.04	0.90	21:45	0.064	07:20	0.092	0.076	10118	
05/03/2021	18:45	1.18	21:25	2.15	1.34	03:20	0.83	21:40	2.28	1.07	03:20	0.068	21:25	0.450	0.111	14815	0.11
05/04/2021	15:05	1.17	16:45	1.66	1.38	14:30	0.83	15:30	1.93	1.30	14:30	0.067	16:45	0.247	0.141	18851	0.01
05/05/2021	21:40	1.14	07:40	1.64	1.33	20:55	0.80	07:25	1.92	1.19	21:20	0.063	07:25	0.247	0.126	16790	
05/06/2021	02:55	1.15	11:30	1.69	1.26	06:05	0.81	11:15	1.92	1.01	02:25	0.064	11:30	0.261	0.094	12545	0.05
05/07/2021	23:55	1.15	14:05	1.44	1.19	23:35	0.77	07:25	0.99	0.87	23:35	0.061	14:00	0.094	0.071	9540	
05/08/2021	00:20	1.15	18:50	1.24	1.17	10:50	0.76	01:40	0.93	0.81	10:50	0.060	01:40	0.075	0.065	8694	
05/09/2021	23:35	1.15	10:45	1.32	1.19	06:30	0.77	11:05	1.10	0.85	06:30	0.061	11:05	0.104	0.070	9381	0.05
05/10/2021	19:00	1.13	03:35	1.22	1.17	14:35	0.75	00:30	0.87	0.80	21:25	0.058	03:35	0.069	0.063	8464	
05/11/2021	17:50	1.11	12:40	1.20	1.14	13:25	0.74	22:10	0.85	0.78	16:35	0.056	14:00	0.066	0.060	8083	
05/12/2021	03:55	1.12	18:15	1.38	1.15	10:35	0.75	00:35	0.89	0.78	04:55	0.056	18:15	0.081	0.061	8209	
05/13/2021	23:45	1.12	16:00	1.18	1.15	08:50	0.74	15:10	0.88	0.78	08:50	0.055	15:10	0.071	0.060	8068	
05/14/2021	11:30	1.12	16:15	1.20	1.14	07:00	0.74	20:50	0.83	0.77	12:00	0.056	20:50	0.067	0.060	8006	
05/15/2021	13:45	1.12	00:50	1.19	1.14	09:05	0.73	17:20	0.82	0.77	21:20	0.056	17:20	0.066	0.059	7916	0.01
05/16/2021	09:00	1.12	19:15	1.22	1.15	02:45	0.73	04:30	0.88	0.78	02:45	0.056	04:30	0.072	0.061	8146	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
05/17/2021	08:10	1.12 23:50	1.21	1.15	10:35	0.72 03:30	0.83	0.76	10:35	0.055 03:30	0.066	0.059	7855	
05/18/2021	10:35	1.12 20:25	2.33	1.27	07:40	0.73 20:45	2.40	0.95	07:10	0.056 20:40	0.521	0.100	13334	0.09
05/19/2021	22:15	1.04 11:00	4.48	1.45	09:10	0.76 10:50	2.50	1.12	23:05	0.055 10:50	1.344	0.148	19822	0.10
05/20/2021	18:55	1.10 00:25	1.49	1.18	22:00	0.71 13:10	0.92	0.81	21:55	0.053 00:20	0.095	0.065	7730	
05/21/2021	02:40	1.04 05:10	1.29	1.11	14:45	0.71 16:10	0.83	0.76	19:35	0.049 05:10	0.071	0.056	7516	
05/22/2021	15:05	0.98 18:20	1.26	1.07	19:30	0.70 03:50	0.80	0.74	15:05	0.044 05:40	0.064	0.053	7021	
05/23/2021	12:00	0.98 20:05	4.77	1.49	18:40	0.71 22:50	2.37	0.95	12:00	0.045 20:10	1.361	0.165	22089	0.10
05/24/2021	20:30	1.10 00:05	1.63	1.21	15:50	0.74 00:05	1.89	1.05	18:35	0.055 00:05	0.247	0.095	12693	
05/25/2021	22:50	1.01 02:20	1.57	1.37	18:30	0.75 03:50	1.89	1.42	22:50	0.049 02:25	0.227	0.154	20620	
05/26/2021	00:20	1.02 01:55	15.06	2.63	00:30	0.74 01:55	6.53	1.81	00:15	0.050 01:55	22.939	0.956	127768	1.46
05/27/2021	08:40	1.01 17:20	1.18	1.05	08:25	0.78 17:55	1.11	0.87	08:35	0.051 17:20	0.087	0.060	7971	0.03
05/28/2021	19:15	1.00 05:35	3.40	1.33	00:00	0.81 07:40	2.32	1.19	19:35	0.053 05:35	0.747	0.140	18654	0.23
05/29/2021	11:35	1.09 20:40	1.43	1.17	17:00	0.75 19:40	1.88	1.02	17:15	0.054 20:55	0.195	0.087	11573	
05/30/2021	23:55	1.08 09:40	1.42	1.26	20:50	0.76 10:30	1.85	1.34	23:50	0.054 10:30	0.193	0.126	16791	
05/31/2021	06:50	1.07 11:15	1.15	1.10	12:45	0.75 08:40	0.87	0.78	06:15	0.053 09:00	0.065	0.057	7649	
06/01/2021	05:10	1.06 10:35	1.37	1.12	01:35	0.73 13:35	1.06	0.84	05:55	0.052 10:35	0.099	0.063	8444	
06/02/2021	13:30	1.06 17:05	2.32	1.20	12:30	0.75 16:55	2.68	0.97	13:40	0.054 17:00	0.576	0.087	11694	
06/03/2021	21:50	1.18 16:05	1.30	1.21	22:45	0.72 16:00	1.02	0.78	22:05	0.058 16:00	0.094	0.065	8706	
06/04/2021	20:50	1.16 18:50	1.24	1.19	23:50	0.70 18:50	0.81	0.75	23:50	0.056 18:50	0.070	0.061	8183	
06/05/2021	20:55	1.12 18:30	1.21	1.16	22:30	0.67 12:00	0.80	0.71	22:40	0.052 11:55	0.065	0.056	7516	
06/06/2021	22:05	1.11 07:15	1.18	1.14	03:30	0.66 06:45	0.76	0.69	22:00	0.049 06:45	0.060	0.053	7111	
06/07/2021	01:40	1.11 15:05	1.23	1.16	00:30	0.66 14:40	1.02	0.74	01:35	0.049 14:40	0.087	0.059	7838	
06/08/2021	23:10	1.10 06:25	1.19	1.13	23:00	0.67 01:20	0.79	0.73	23:00	0.049 06:30	0.064	0.055	7395	
06/09/2021	22:40	1.08 13:35	1.38	1.16	22:55	0.61 13:30	2.37	0.75	22:55	0.045 13:30	0.235	0.060	7978	
06/10/2021	16:55	1.17 04:40	1.34	1.23	22:45	0.62 08:55	0.91	0.73	22:45	0.050 04:45	0.087	0.063	8383	
06/11/2021	23:00	1.18 10:50	1.43	1.22	01:00	0.65 10:40	2.37	0.74	01:00	0.053 10:45	0.236	0.063	8385	
06/12/2021	13:15	1.17 15:20	15.83	1.72	04:55	0.64 15:15	8.10	1.29	14:10	0.053 15:15	28.266	0.555	74149	0.62
06/13/2021	18:35	1.15 15:40	2.08	1.29	20:30	0.71 15:45	2.06	0.91	19:55	0.056 15:40	0.376	0.088	11764	
06/14/2021	00:00	1.58 11:45	1.92	1.83	23:05	0.68 04:35	0.81	0.72	00:00	0.091 11:45	0.134	0.111	14894	
06/15/2021	15:55	1.76 12:10	1.96	1.82	15:25	0.66 11:55	1.20	0.72	15:25	0.097 12:00	0.200	0.111	14899	
06/16/2021	03:00	1.82 18:05	2.17	1.94	12:25	0.47 16:50	1.41	0.87	12:25	0.079 22:35	0.275	0.152	20256	
06/17/2021	12:25	1.97 06:50	2.63	2.31	12:50	0.74 06:55	1.56	1.07	12:50	0.129 06:55	0.416	0.243	32438	
06/18/2021	23:25	1.47 05:10	14.60	2.30	04:50	0.71 05:10	6.40	1.30	23:55	0.082 05:10	21.465	0.626	83658	0.38
06/19/2021	00:00	1.11 00:05	1.37	1.29	12:00	0.58 19:35	0.76	0.67	12:00	0.052 04:35	0.072	0.062	8229	
06/20/2021	15:50	1.32 23:40	60.89	2.64	15:50	0.60 23:35	13.07	1.08	15:50	0.057 23:40	235.051	3.781	505437	1.78
06/21/2021	22:40	1.44 00:00	16.08	2.53	07:45	1.38 00:00	9.95	2.26	22:50	0.258 00:00	38.444	1.021	136481	0.03
06/22/2021	21:15	1.50 02:45	1.96	1.67	23:00	1.65 00:10	2.62	2.06	23:00	0.195 00:10	0.420	0.284	37976	
06/23/2021	22:00	1.44 03:45	1.66	1.50	21:25	0.77 00:20	1.81	1.04	21:25	0.085 00:20	0.237	0.124	16514	
06/24/2021	02:00	1.44 14:45	6.11	2.03	03:00	0.78 14:55	5.60	1.33	01:10	0.087 14:50	4.819	0.369	49382	0.31
06/25/2021	03:05	1.34 05:20	14.41	3.01	02:40	1.06 05:15	7.81	2.36	02:25	0.105 05:15	25.456	1.320	176463	0.03
06/26/2021	01:25	1.73 16:00	142.57	72.29	12:20	0.00 11:50	9.18	1.17	12:20	0.000 11:55	43.382	2.449	327380	0.01
06/27/2021	01:55	142.31 11:45	142.46	142.39	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.02
06/28/2021	04:40	142.32 12:30	142.45	142.39	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.02
06/29/2021	13:00	142.31 17:15	142.47	142.39	00:00	0.00 10:30	0.26	0.00	00:00	0.000 10:30	10.432	0.171	22800	0.02
06/30/2021	19:05	142.30 04:05	142.46	142.38	00:00	0.00 00:00	0.00	0.00	00:00	0.000 00:00	0.000	0.000	0	0.02
07/01/2021	22:40	1.50 12:30	142.55	79.20	00:00	0.00 13:40	1.15	0.32	00:00	0.000 12:50	30.460	0.996	133098	0.01
07/02/2021	06:00	1.21 16:15	1.31	1.26	04:50	0.60 12:15	0.70	0.66	05:20	0.052 15:55	0.066	0.058	7739	0.01
07/03/2021	15:05	1.23 04:30	1.34	1.27	23:45	0.59 06:55	0.74	0.67	23:45	0.051 06:55	0.072	0.060	8030	
07/04/2021	23:35	1.10 06:55	1.31	1.22	00:10	0.58 13:10	0.72	0.64	23:35	0.045 13:00	0.066	0.054	7285	
07/05/2021	00:25	1.10 13:40	1.16	1.12	19:35	0.58 10:35	0.65	0.62	19:35	0.043 13:55	0.051	0.047	6221	
07/06/2021	15:05	1.09 09:15	1.25	1.15	15:35	0.59 09:05	0.67	0.62	15:25	0.045 09:10	0.057	0.048	6479	
07/07/2021	21:15	1.13 07:05	1.33	1.22	17:05	0.59 07:00	0.68	0.62	20:45	0.045 07:00	0.066	0.053	7102	
07/08/2021	02:10	1.12 21:40	1.25	1.16	02:15	0.58 21:30	0.66	0.61	02:10	0.044 21:40	0.057	0.049	6489	
07/09/2021	16:20	1.09 13:15	1.25	1.13	21:20	0.59 13:10	0.70	0.62	21:30	0.043 13:15	0.061	0.047	6337	
07/10/2021	01:50	1.09 21:35	4.92	1.36	18:05	0.60 23:25	2.05	0.76	01:25	0.044 21:40	1.345	0.118	15767	

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Time	Min Time	Max	Avg	Total	Total
07/11/2021	23:55	1.03 02:25	5.22	1.60	23:55	1.10 02:35	4.65	1.96	23:55	0.073 02:20	3.373	0.291	38884	
07/12/2021	20:15	1.31 10:55	2.33	1.41	18:00	0.87 13:45	2.66	1.17	20:00	0.083 11:00	0.504	0.129	17224	
07/13/2021	23:10	1.26 13:05	1.89	1.32	20:55	0.84 13:00	2.37	1.00	20:55	0.075 13:00	0.365	0.098	13057	
07/14/2021	23:55	1.26 07:05	1.37	1.30	20:55	0.81 07:05	1.07	0.90	21:30	0.072 07:05	0.109	0.084	11212	
07/15/2021	21:45	1.24 23:35	6.45	1.67	00:55	0.82 23:25	5.44	1.30	00:55	0.074 23:35	5.205	0.320	42802	0.37
07/16/2021	22:35	1.16 00:20	10.33	2.02	20:55	0.96 00:15	6.38	1.80	20:55	0.077 00:25	12.587	0.724	96808	0.32
07/17/2021	22:05	1.14 00:35	1.26	1.19	20:50	0.87 07:10	1.17	0.99	20:50	0.069 07:10	0.099	0.081	10824	
07/18/2021	22:30	1.14 09:10	1.23	1.17	18:00	0.87 07:05	1.11	0.96	18:00	0.068 07:05	0.092	0.077	10285	
07/19/2021	12:10	1.13 15:15	1.38	1.19	21:15	0.86 14:20	1.92	0.99	21:25	0.067 15:05	0.189	0.082	10906	
07/20/2021	17:25	1.16 07:20	1.25	1.19	22:05	0.83 07:10	1.12	0.92	23:40	0.067 07:10	0.099	0.076	10133	
07/21/2021	02:35	1.15 11:35	1.69	1.33	03:05	0.83 14:05	2.27	1.45	03:05	0.067 14:05	0.274	0.146	19517	
07/22/2021	17:10	1.13 01:50	1.41	1.20	17:55	0.85 00:45	1.83	1.04	17:55	0.065 00:45	0.191	0.088	11817	
07/23/2021	16:10	1.13 07:10	1.20	1.16	12:40	0.84 07:15	1.08	0.91	16:10	0.065 07:10	0.090	0.071	9544	0.01
07/24/2021	14:00	1.11 17:55	1.86	1.21	13:55	0.82 17:40	2.46	1.02	13:55	0.061 17:55	0.385	0.090	11999	0.08
07/25/2021	21:15	1.08 00:05	1.18	1.11	22:45	0.79 07:15	1.00	0.88	21:30	0.057 07:15	0.077	0.065	8739	
07/26/2021	12:45	1.07 20:10	1.18	1.12	12:50	0.79 21:55	1.02	0.89	12:50	0.055 20:10	0.082	0.067	8892	
07/27/2021	23:10	1.04 09:30	1.44	1.13	21:50	0.76 09:25	2.59	0.96	22:05	0.052 09:25	0.276	0.075	10003	
07/28/2021	16:40	1.04 07:10	1.17	1.07	04:15	0.76 07:20	1.06	0.84	01:35	0.054 07:20	0.085	0.060	7956	0.01
07/29/2021	00:30	1.04 04:30	2.70	1.37	01:55	0.79 05:05	1.79	0.95	01:55	0.054 04:30	0.462	0.104	13916	0.10
07/30/2021	20:45	1.22 11:35	1.60	1.26	19:15	0.73 11:25	1.07	0.83	19:15	0.063 11:30	0.131	0.074	9951	
07/31/2021	20:10	1.18 07:40	1.28	1.22	23:40	0.72 07:30	0.88	0.78	19:45	0.059 07:30	0.080	0.066	8832	
08/01/2021	18:35	1.16 07:20	1.23	1.19	16:55	0.70 07:30	0.85	0.76	16:55	0.056 07:30	0.073	0.062	8278	
08/02/2021	14:30	1.10 22:40	1.33	1.20	03:25	0.72 10:40	2.09	0.86	14:40	0.057 10:40	0.174	0.072	9561	
08/03/2021	22:05	1.19 15:15	1.33	1.25	22:05	0.92 15:05	1.68	1.05	22:05	0.075 15:05	0.159	0.093	12380	
08/04/2021	16:55	1.18 07:15	1.25	1.21	02:35	0.89 17:30	1.13	0.99	02:35	0.073 17:25	0.095	0.082	11018	
08/05/2021	21:45	1.16 07:25	1.25	1.20	14:15	0.86 07:35	1.06	0.93	14:15	0.068 07:35	0.093	0.077	10297	
08/06/2021	10:10	1.13 22:25	4.62	1.42	10:10	0.82 22:10	3.98	1.18	10:10	0.062 22:10	2.274	0.167	22362	0.13
08/07/2021	23:55	1.06 00:00	1.92	1.26	20:45	0.94 00:00	2.53	1.16	23:55	0.068 00:00	0.421	0.107	14266	
08/08/2021	19:40	1.19 08:50	1.30	1.24	20:20	0.86 08:55	1.16	0.95	19:50	0.071 08:55	0.109	0.083	11130	0.01
08/09/2021	00:00	1.10 21:00	15.43	2.46	02:25	0.86 21:05	7.63	1.87	00:00	0.069 21:00	26.950	1.131	151245	1.42
08/10/2021	18:20	1.25 20:05	24.28	2.48	19:35	1.25 20:00	9.00	2.36	18:10	0.143 20:05	62.354	1.615	215953	0.91
08/11/2021	23:35	1.22 12:00	3.27	1.90	23:55	1.21 10:35	2.63	2.00	23:55	0.102 12:00	0.633	0.337	45037	0.08
08/12/2021	14:05	1.11 00:05	1.19	1.15	16:25	0.98 06:55	1.28	1.09	18:25	0.075 06:55	0.102	0.085	11400	
08/13/2021	22:35	1.09 07:45	1.18	1.13	22:15	0.90 07:45	1.21	1.00	22:15	0.066 07:45	0.097	0.075	10088	
08/14/2021	18:05	1.08 07:45	1.17	1.10	19:00	0.86 07:00	1.19	0.94	14:50	0.063 07:00	0.093	0.069	9203	
08/15/2021	20:10	1.07 07:15	1.14	1.10	19:45	0.80 07:00	1.14	0.91	19:50	0.056 07:05	0.087	0.066	8840	
08/16/2021	00:50	1.07 15:25	1.33	1.11	01:30	0.85 15:25	1.55	0.95	01:30	0.060 15:25	0.149	0.071	9537	
08/17/2021	16:45	1.07 12:15	1.41	1.11	16:35	0.83 11:45	2.61	0.98	16:35	0.059 11:50	0.260	0.075	10019	
08/18/2021	01:50	1.07 07:45	1.15	1.10	01:05	0.85 07:05	1.10	0.92	01:55	0.061 07:45	0.085	0.067	8995	
08/19/2021	15:20	1.06 08:35	1.14	1.09	00:35	0.85 11:10	1.04	0.89	20:25	0.060 11:10	0.079	0.065	8622	
08/20/2021	22:35	1.02 12:20	1.20	1.09	23:15	0.76 12:00	1.78	0.90	23:15	0.050 12:05	0.141	0.065	8686	
08/21/2021	00:15	1.05 09:30	1.11	1.08	00:30	0.80 09:20	0.95	0.87	00:15	0.055 09:20	0.069	0.062	8280	
08/22/2021	19:45	1.04 01:30	1.10	1.07	22:25	0.79 04:40	0.90	0.85	22:25	0.054 04:40	0.065	0.060	8036	
08/23/2021	00:50	1.03 11:15	1.61	1.10	01:25	0.79 12:10	2.23	0.94	00:50	0.053 11:05	0.231	0.070	9386	
08/24/2021	14:25	0.98 18:20	9.24	1.79	16:25	0.68 18:20	6.41	1.34	14:30	0.045 18:20	11.013	0.552	73749	1.71
08/25/2021	13:00	1.12 23:50	4.92	1.34	18:50	0.90 23:35	4.14	1.34	18:50	0.070 23:35	2.707	0.167	22380	0.09
08/26/2021	23:50	0.96 00:00	4.82	1.50	23:10	0.89 02:50	2.60	1.79	23:50	0.058 00:00	1.425	0.227	30287	0.01
08/27/2021	00:50	1.16 08:30	1.23	1.20	19:40	0.88 07:55	1.05	0.94	00:40	0.072 07:55	0.088	0.077	10342	
08/28/2021	15:35	1.16 17:20	4.97	1.59	12:25	0.83 16:25	4.16	1.26	15:10	0.067 17:25	2.696	0.230	30802	0.09
08/29/2021	14:55	1.14 00:00	1.29	1.20	15:10	0.88 00:25	1.24	1.00	15:10	0.069 00:05	0.113	0.082	10991	0.09
08/30/2021	23:05	1.09 08:10	1.18	1.13	22:10	0.81 08:05	0.97	0.88	23:05	0.058 08:05	0.078	0.067	8968	
08/31/2021	19:40	1.01 09:15	1.21	1.09	19:15	0.71 09:15	1.09	0.81	19:15	0.046 09:15	0.091	0.059	7887	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Velocity (ft/s)	Quantity (MGD - Total ft3)	Rain (in)
Total			3996196	11.87
Avg	6.25	0.99	0.205	

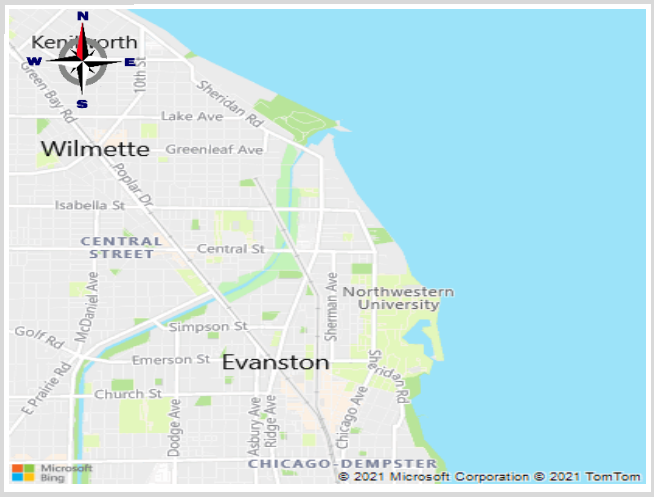
Evanston, IL

Flow Monitoring Site Report

SITE NAME

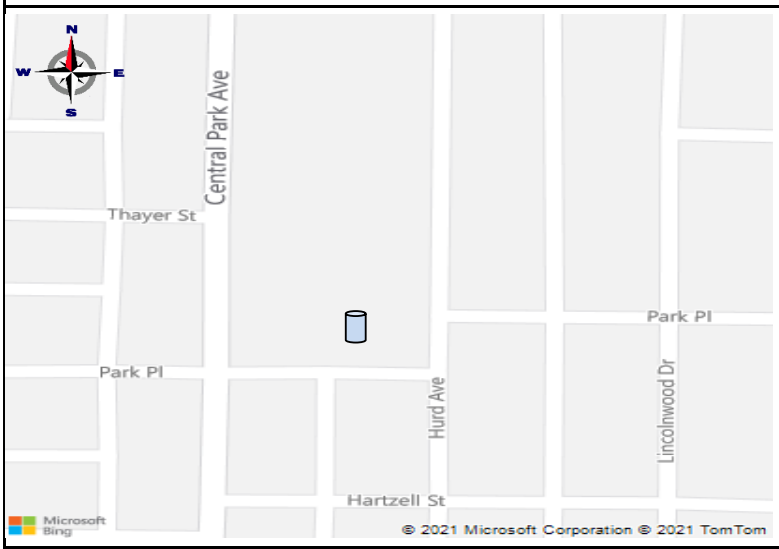
EVRG0121

Site Address /Location:	2700 Hurd Ave. (Willard Elementary School)			Monitor Series	Location Type
				Rain Alert III	Temporary
Site Access Details:	on top of roof	Latitude:	42.067418	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.71678		



Manhole #	System Characteristics
Access	**Traffic**
Roof (Access w/ Ladder)	







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, April 08, 2021	Rain Gauge
Monitoring Location (Sensors):	Monitor Location:
Rooftop	Roof
Sensors / Devices:	Pressure Sensor Range (psi)
Rain Gauge Tipping Bucket	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
Downlooker Physical Offset (in)	Measurement Confidence (in)
Peak Velocity (fps)	Velocity Sensor Offset (in)
Silt (in)	Silt Type

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
Manhole Material:	Manhole Condition:
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
Manhole Cover	Manhole Frame
Active Drop Connections	Air Quality:
Pipe Material	Pipe Condition:

Communication Information:

Communication Type	Antenna Location
Wireless	RA3

Additional Site Info. / Comments:

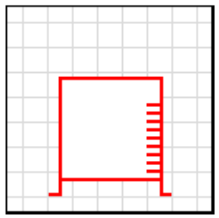
Contact Principal - Jerry Michel at 847-905-3601

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

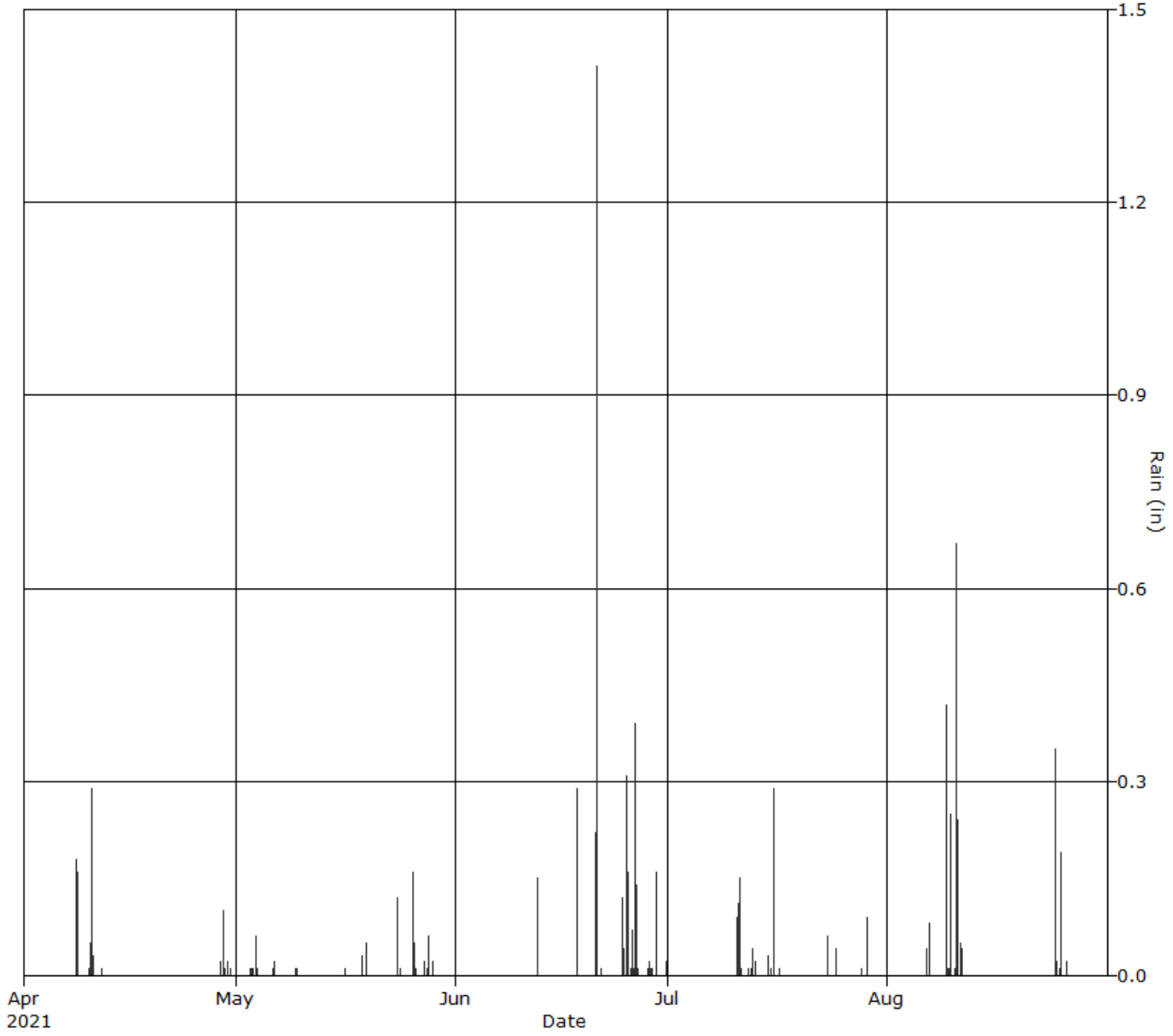


Report Period

4/1/2021
To
8/31/2021

Legend

Rain



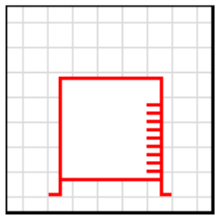
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

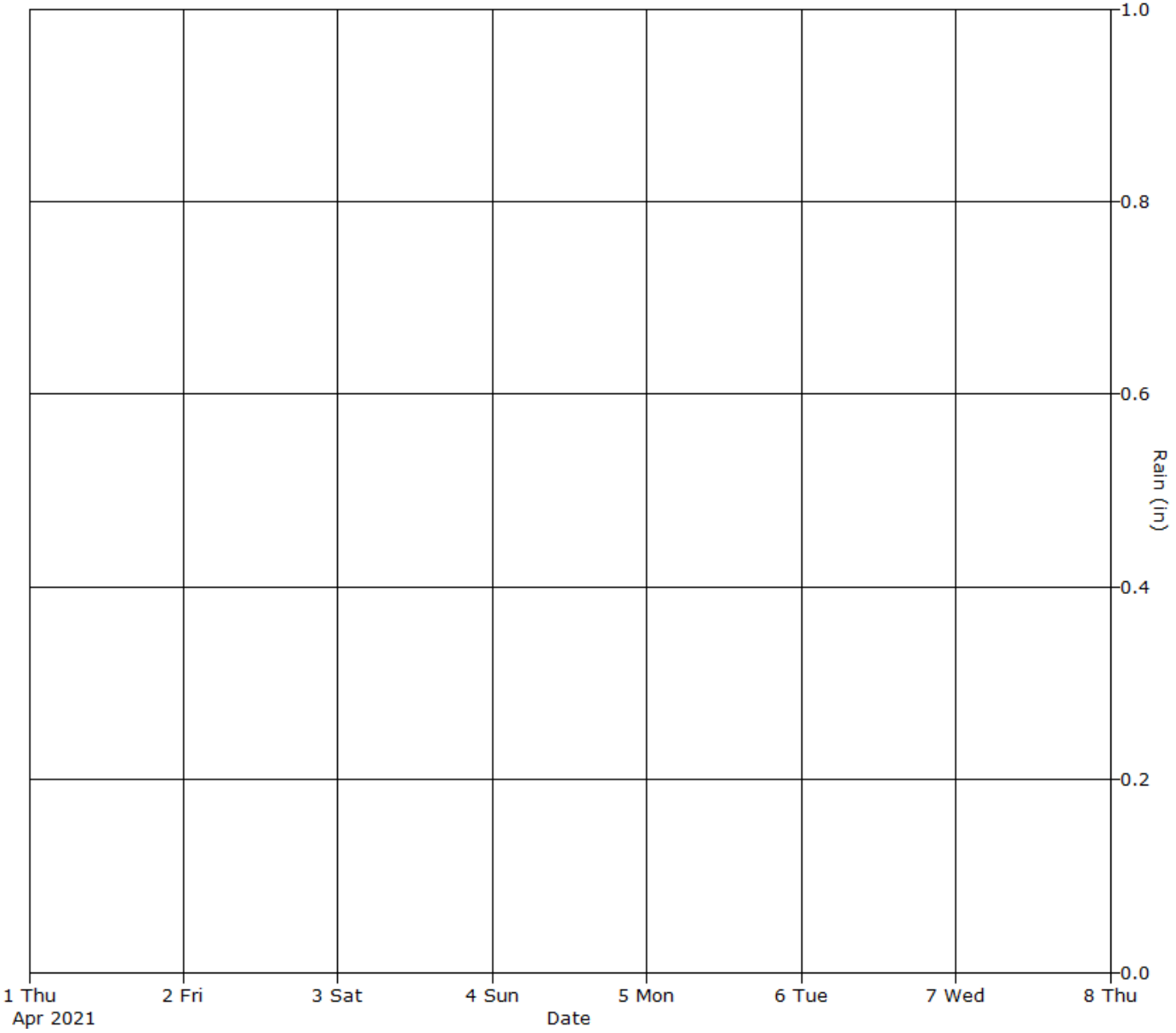


Report Period

4/1/2021
To
4/7/2021

Legend

Rain



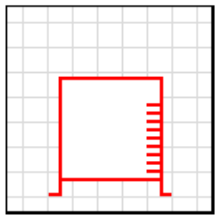
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

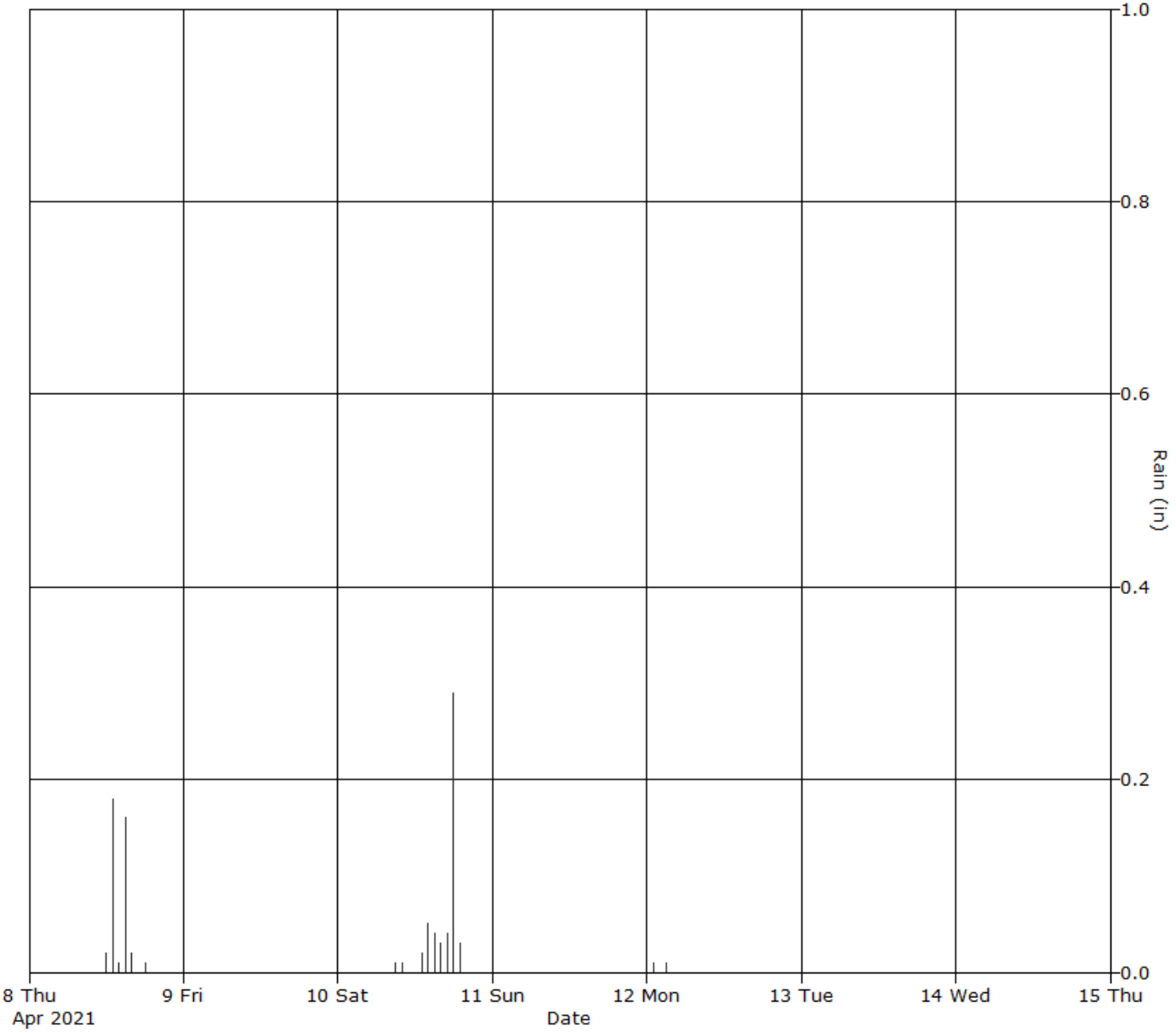


Report Period

4/8/2021
To
4/14/2021

Legend

Rain



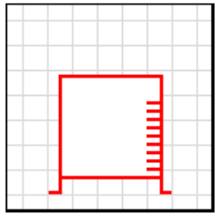
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

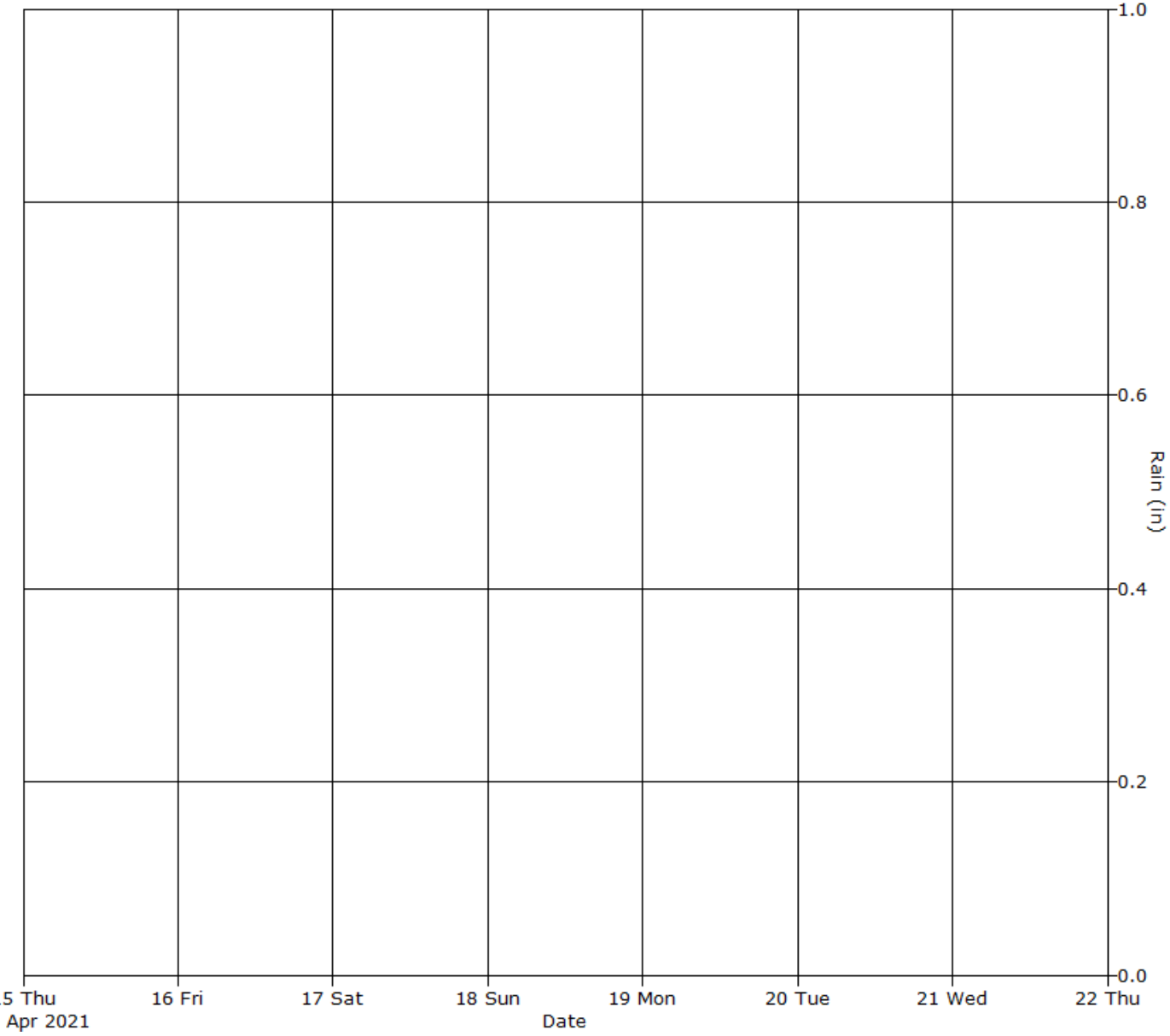


Report Period

4/15/2021
To
4/21/2021

Legend

Rain



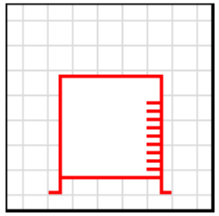
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

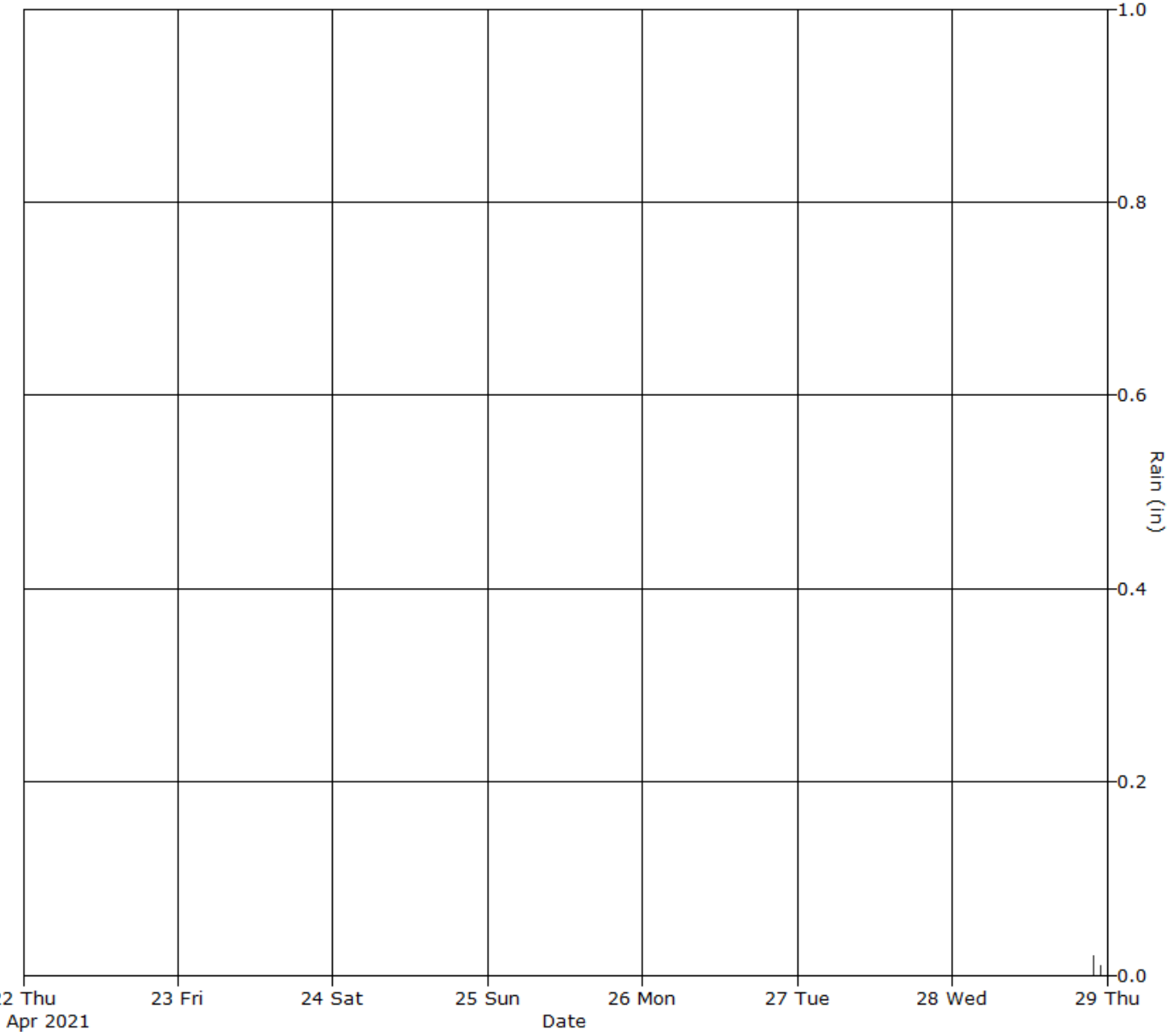


Report Period

4/22/2021
To
4/28/2021

Legend

Rain



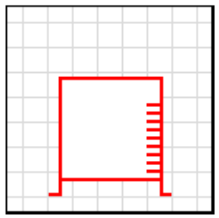
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

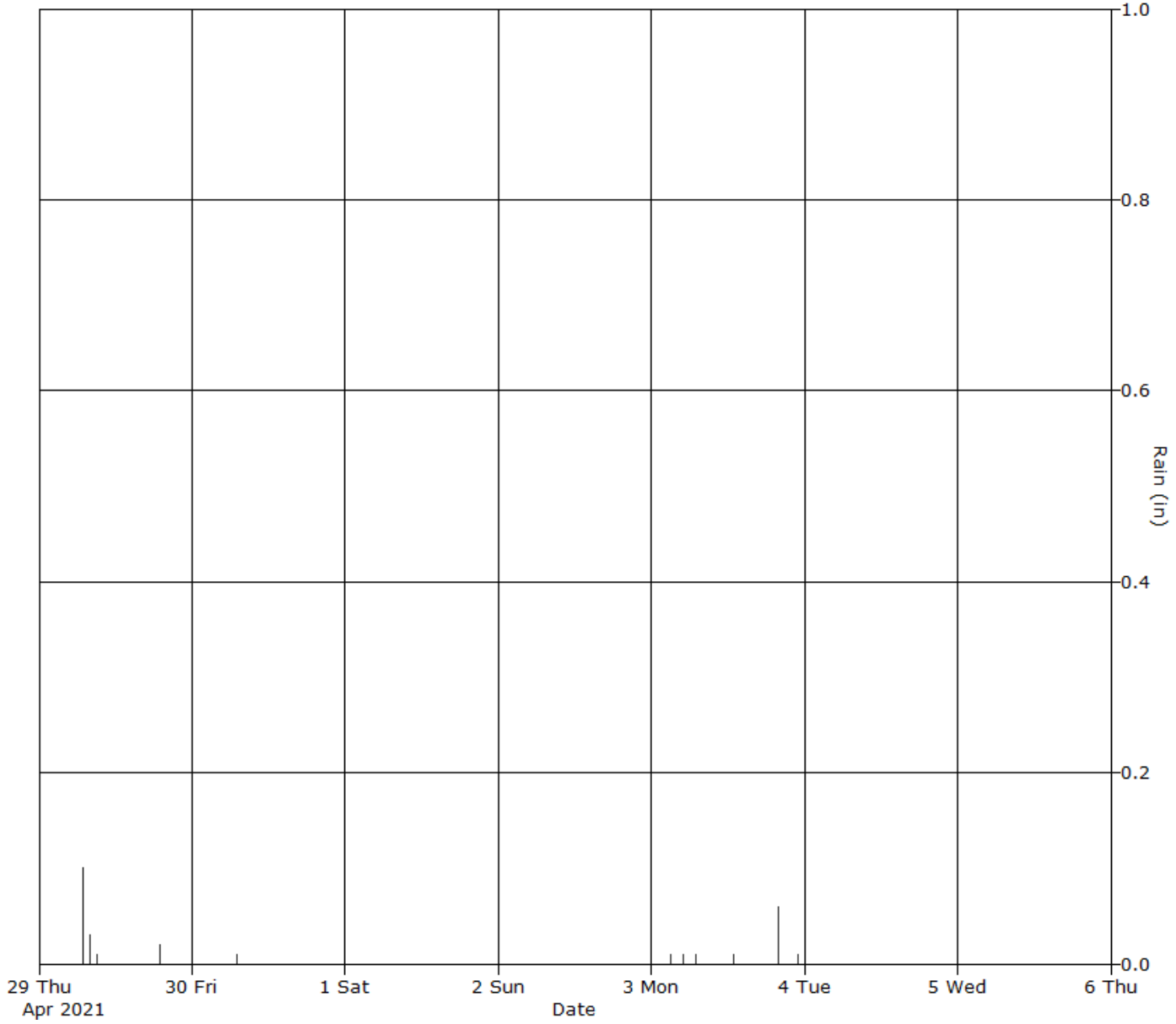


Report Period

4/29/2021
To
5/5/2021

Legend

Rain



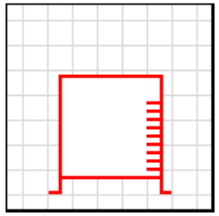
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

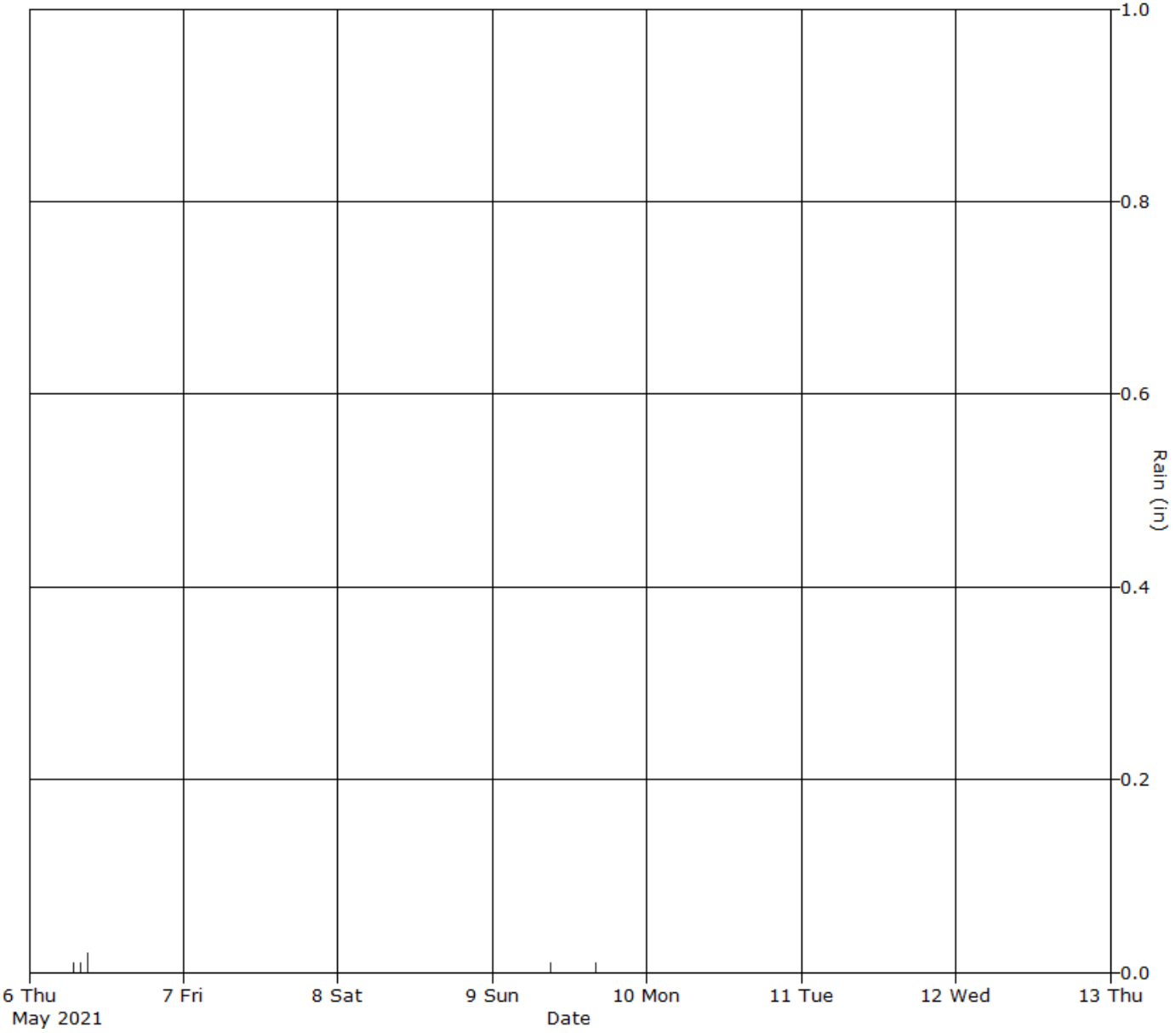


Report Period

5/6/2021
To
5/12/2021

Legend

Rain



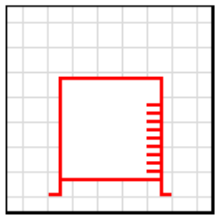
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

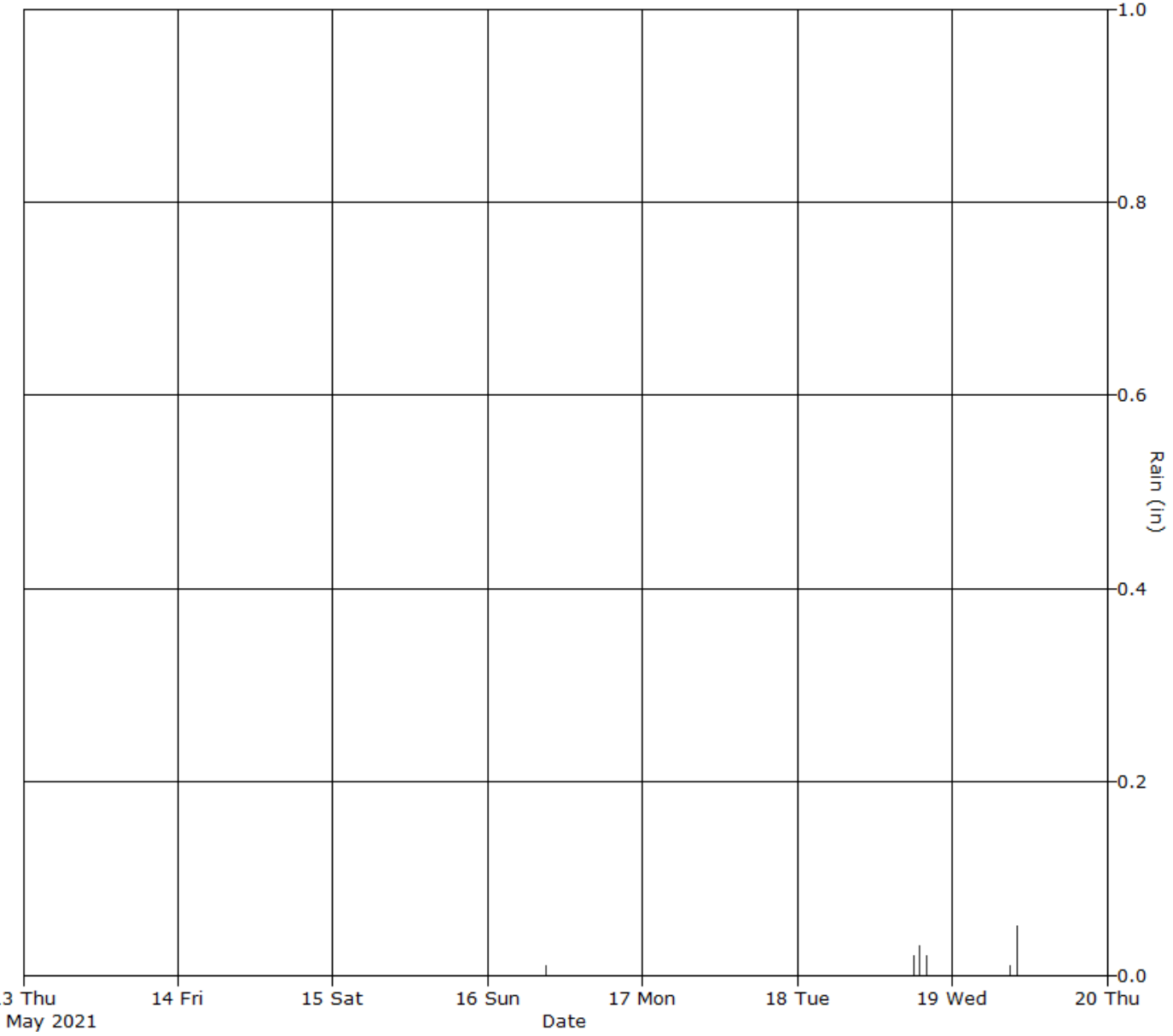


Report Period

5/13/2021
To
5/19/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

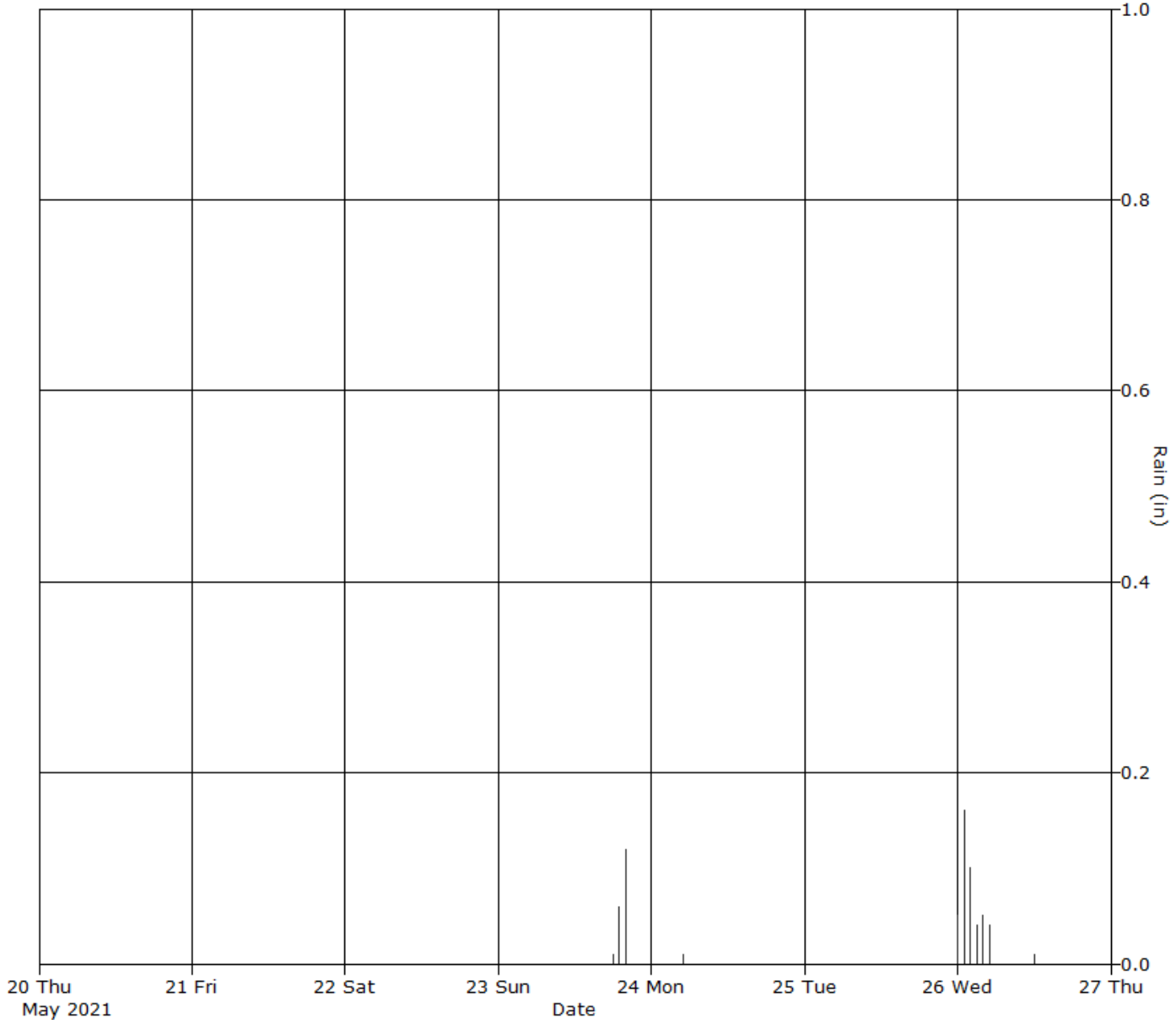
EVANSTON_EVRG0121

Report Period

5/20/2021
To
5/26/2021

Legend

Rain



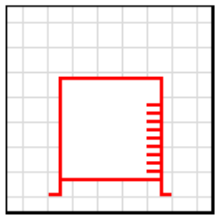
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

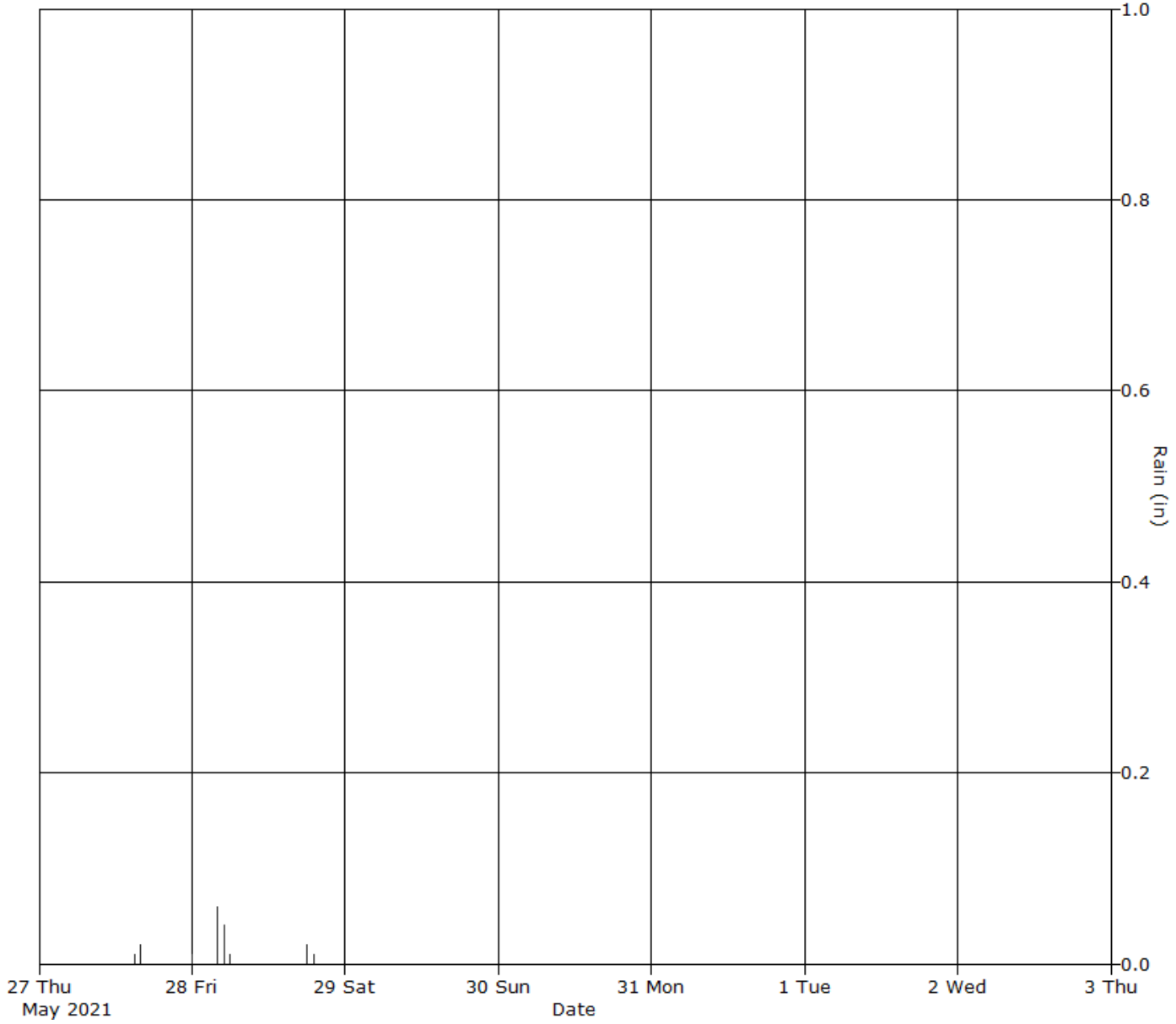


Report Period

5/27/2021
To
6/2/2021

Legend

Rain



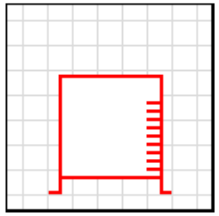
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

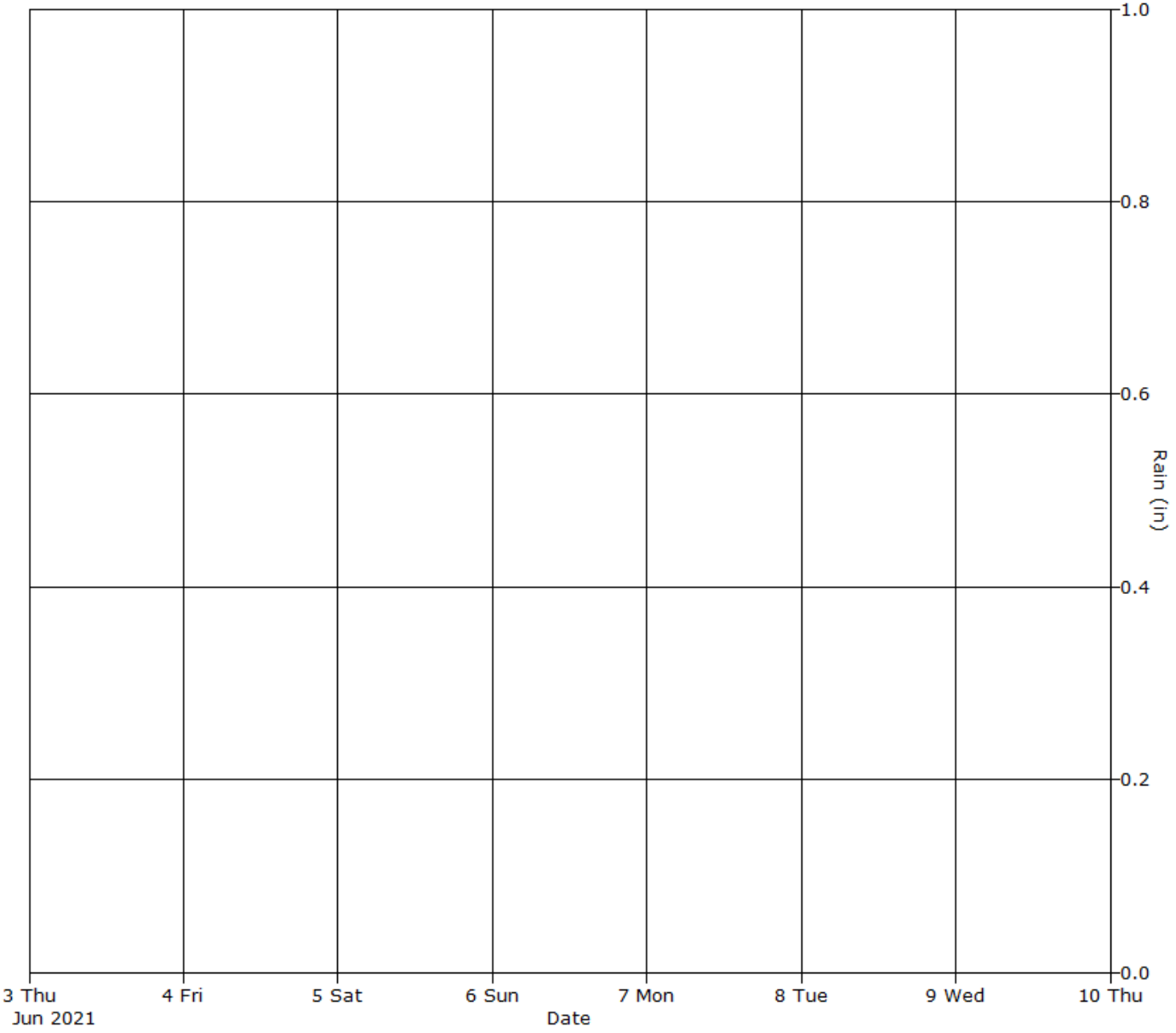


Report Period

6/3/2021
To
6/9/2021

Legend

Rain



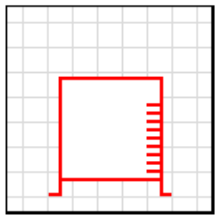
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

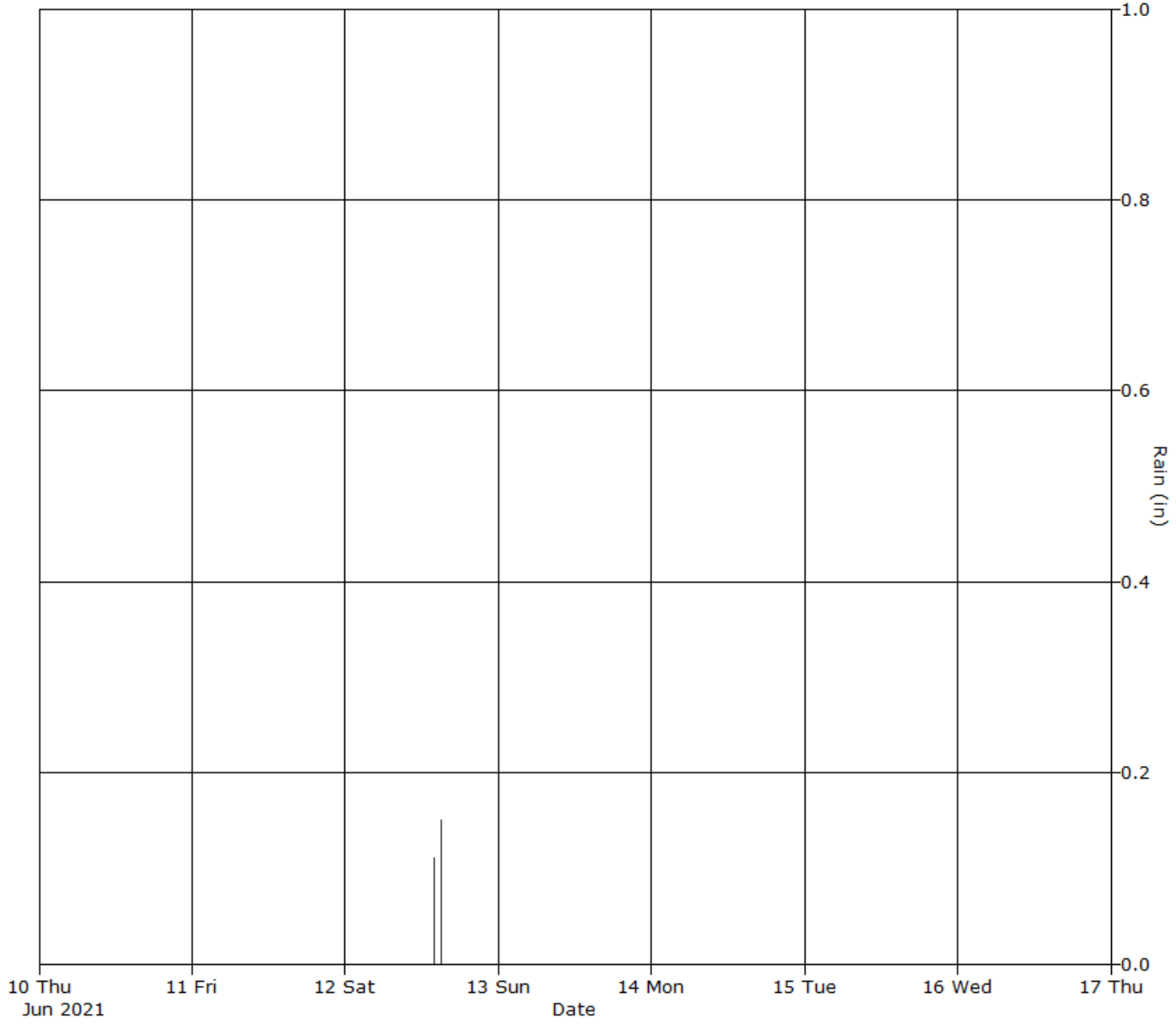


Report Period

6/10/2021
To
6/16/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

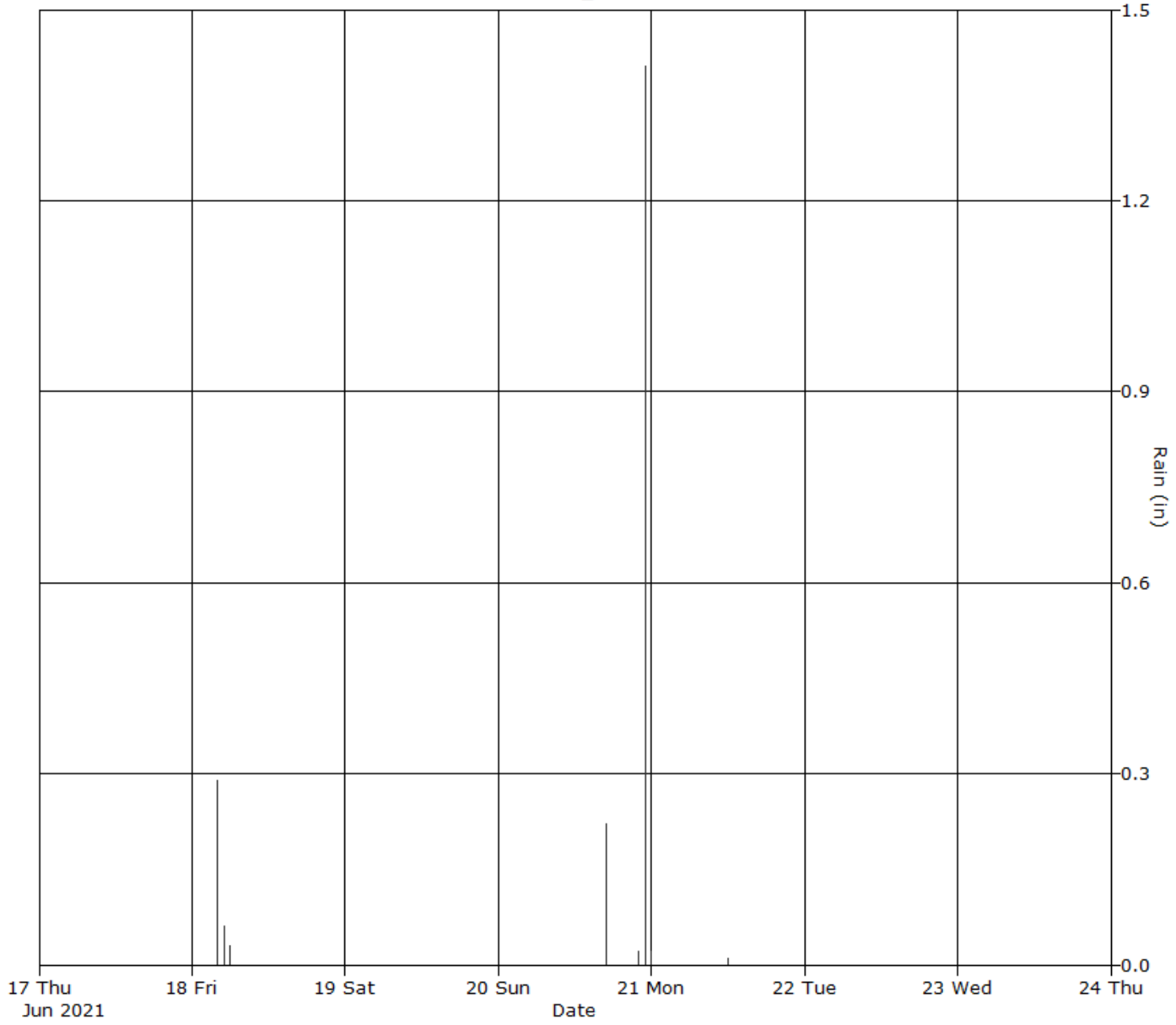
EVANSTON_EVRG0121

Report Period

6/17/2021
To
6/23/2021

Legend

Rain



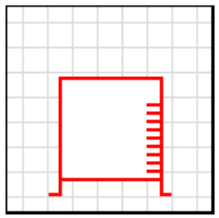
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

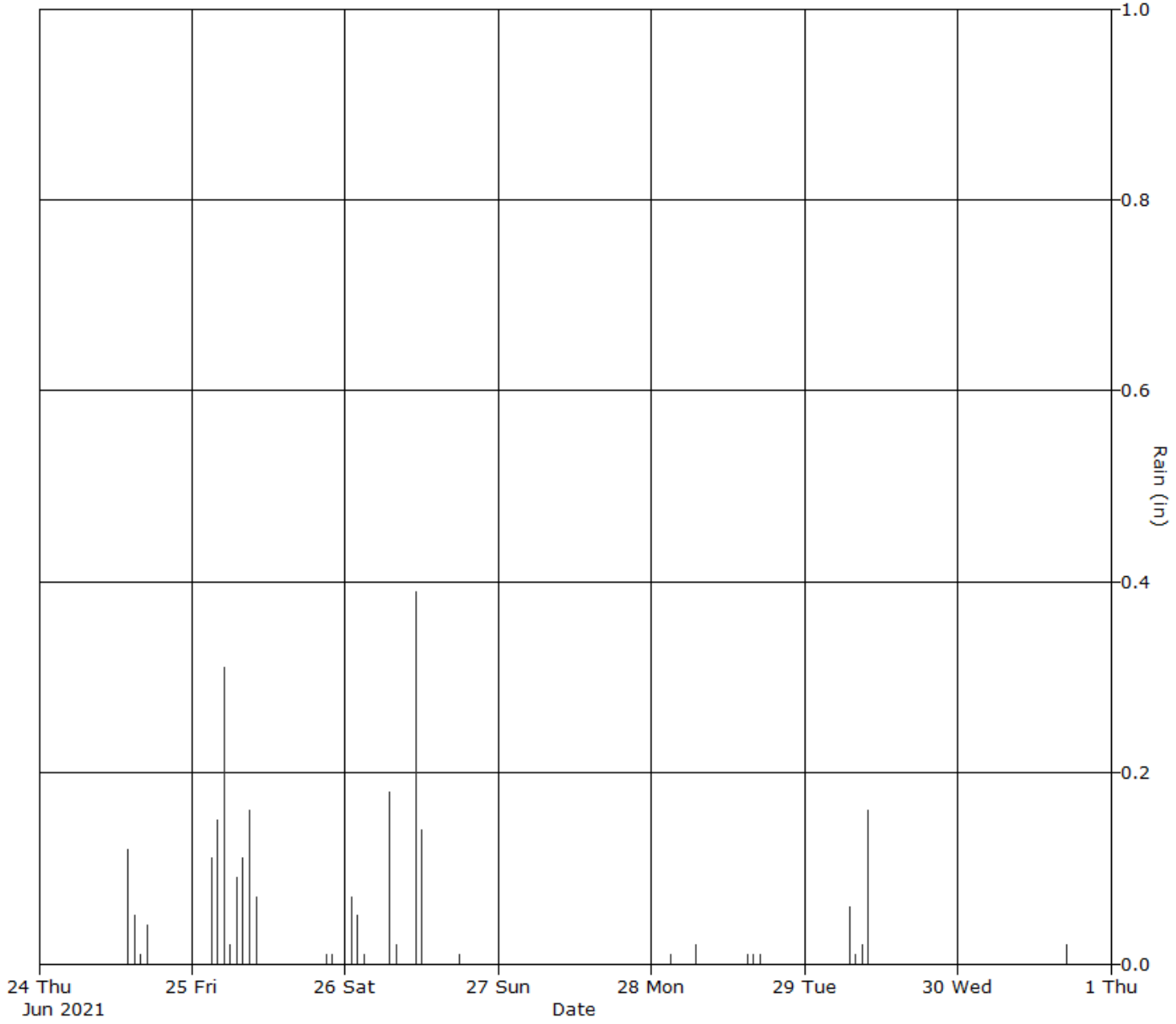


Report Period

6/24/2021
To
6/30/2021

Legend

Rain



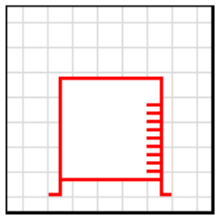
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

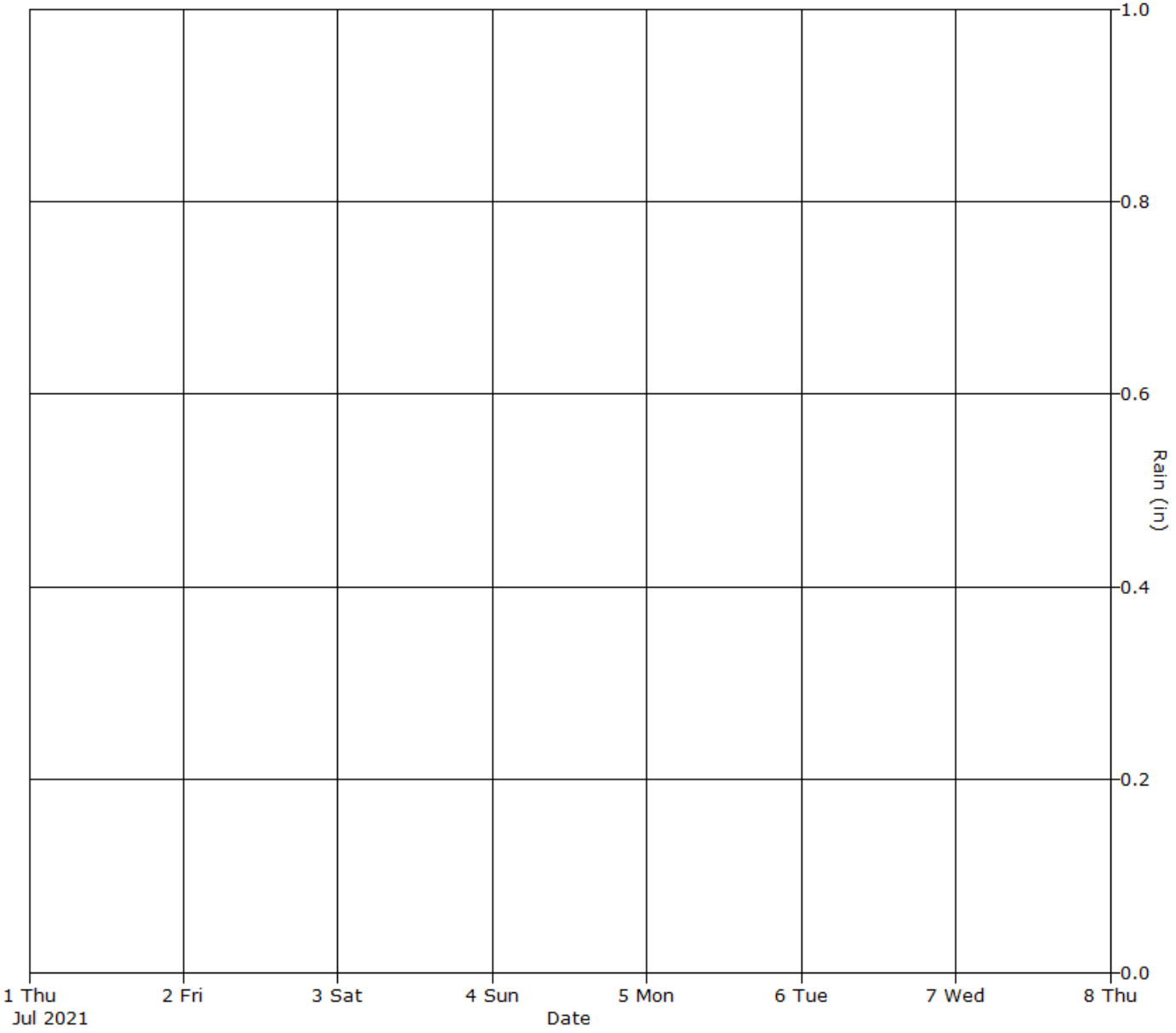


Report Period

7/1/2021
To
7/7/2021

Legend

Rain



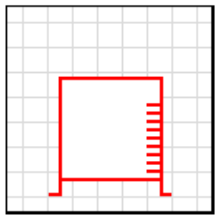
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

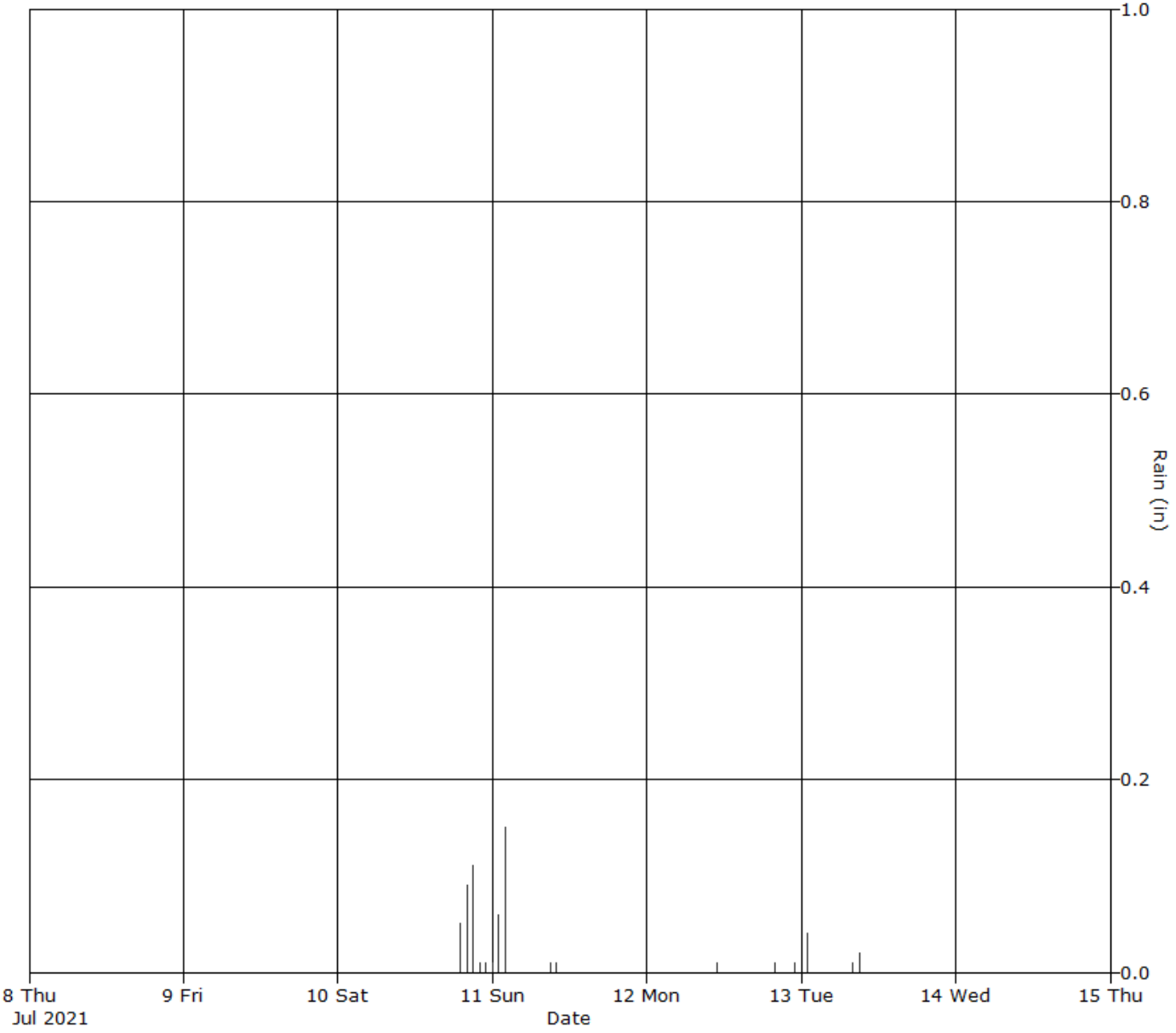


Report Period

7/8/2021
To
7/14/2021

Legend

Rain



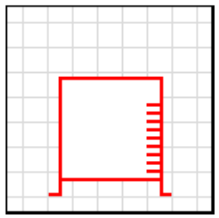
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

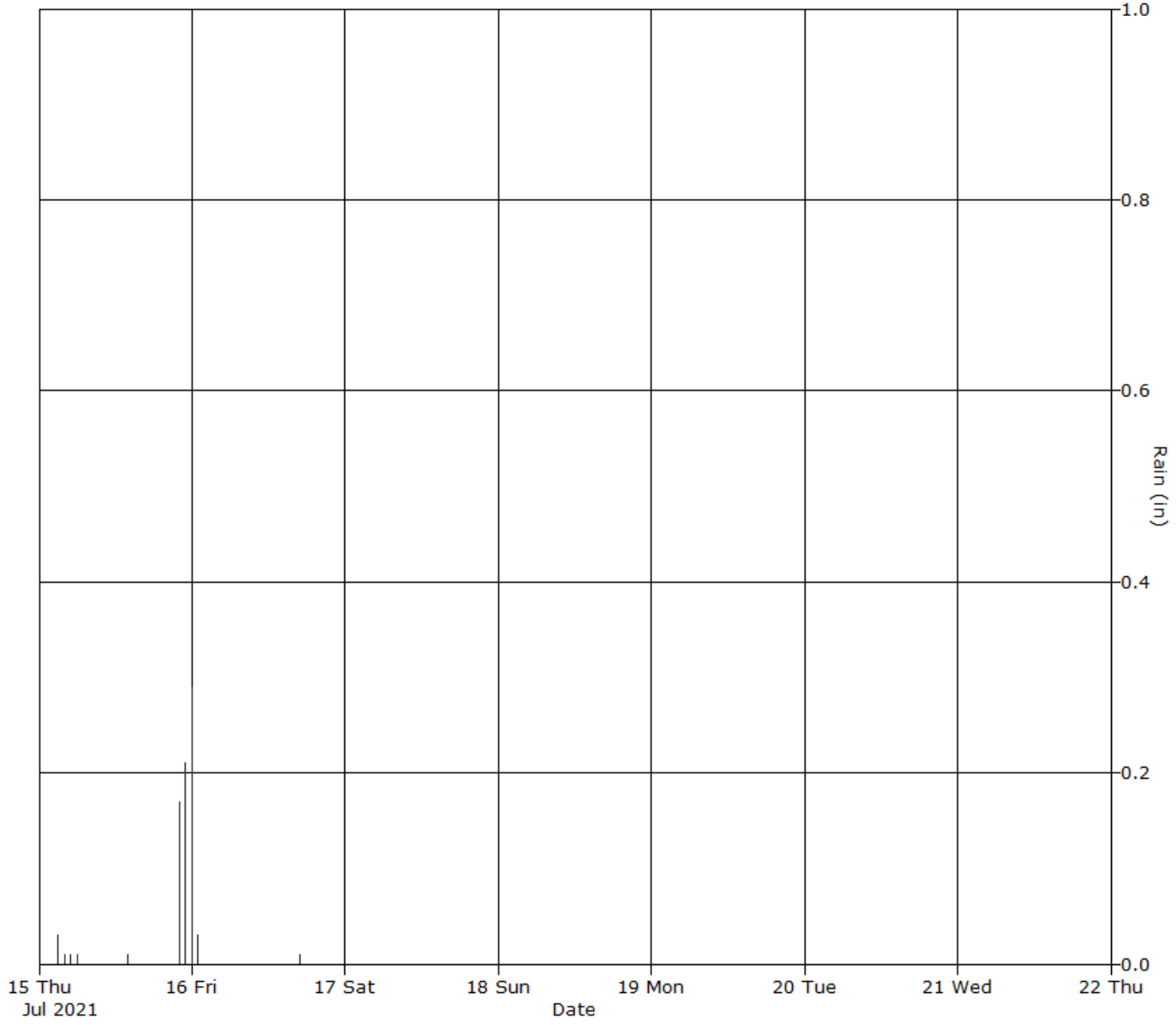


Report Period

7/15/2021
To
7/21/2021

Legend

Rain



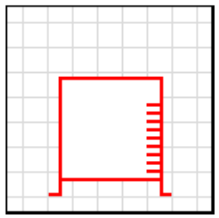
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

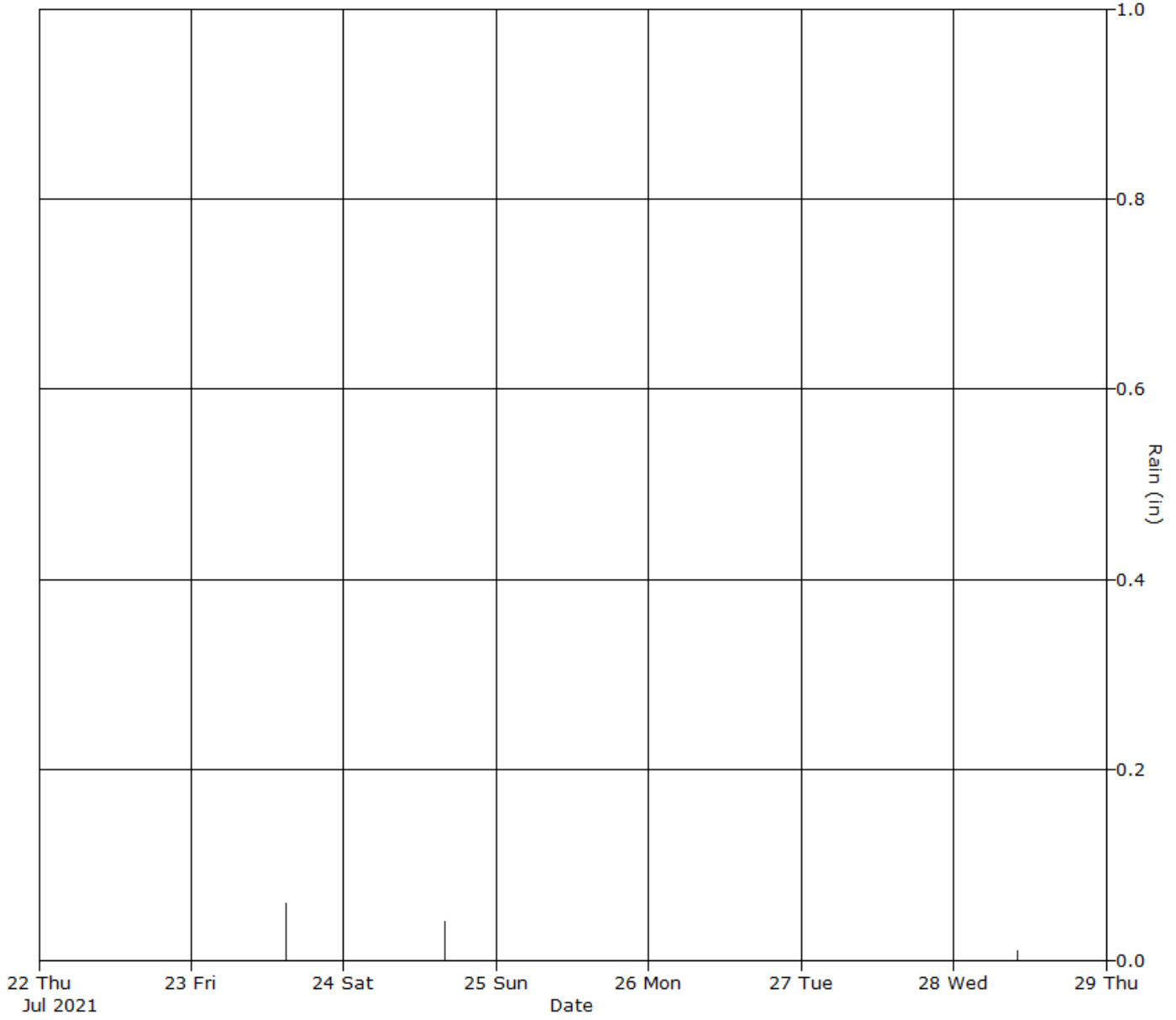


Report Period

7/22/2021
To
7/28/2021

Legend

Rain



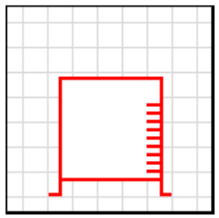
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

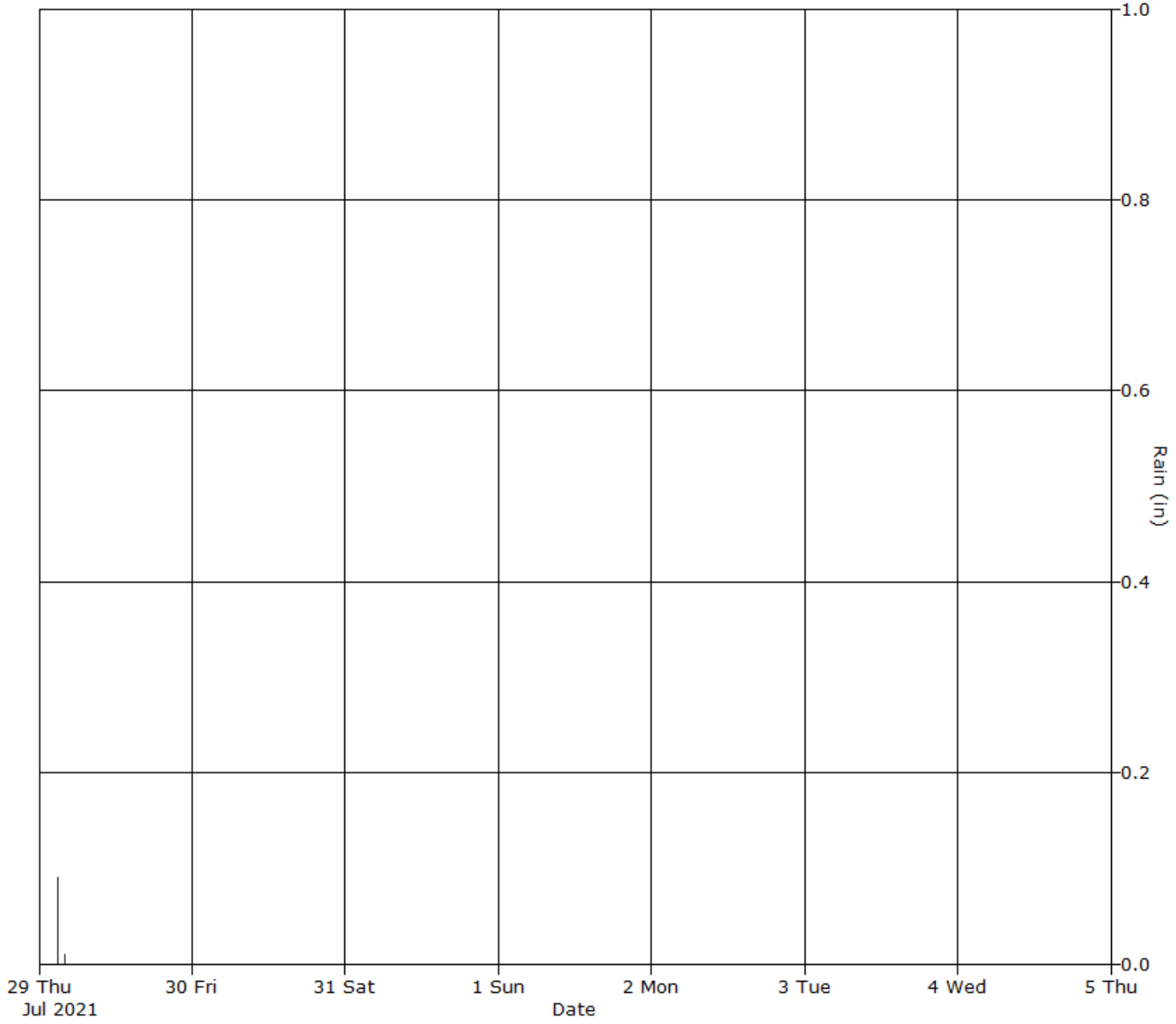


Report Period

7/29/2021
To
8/4/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

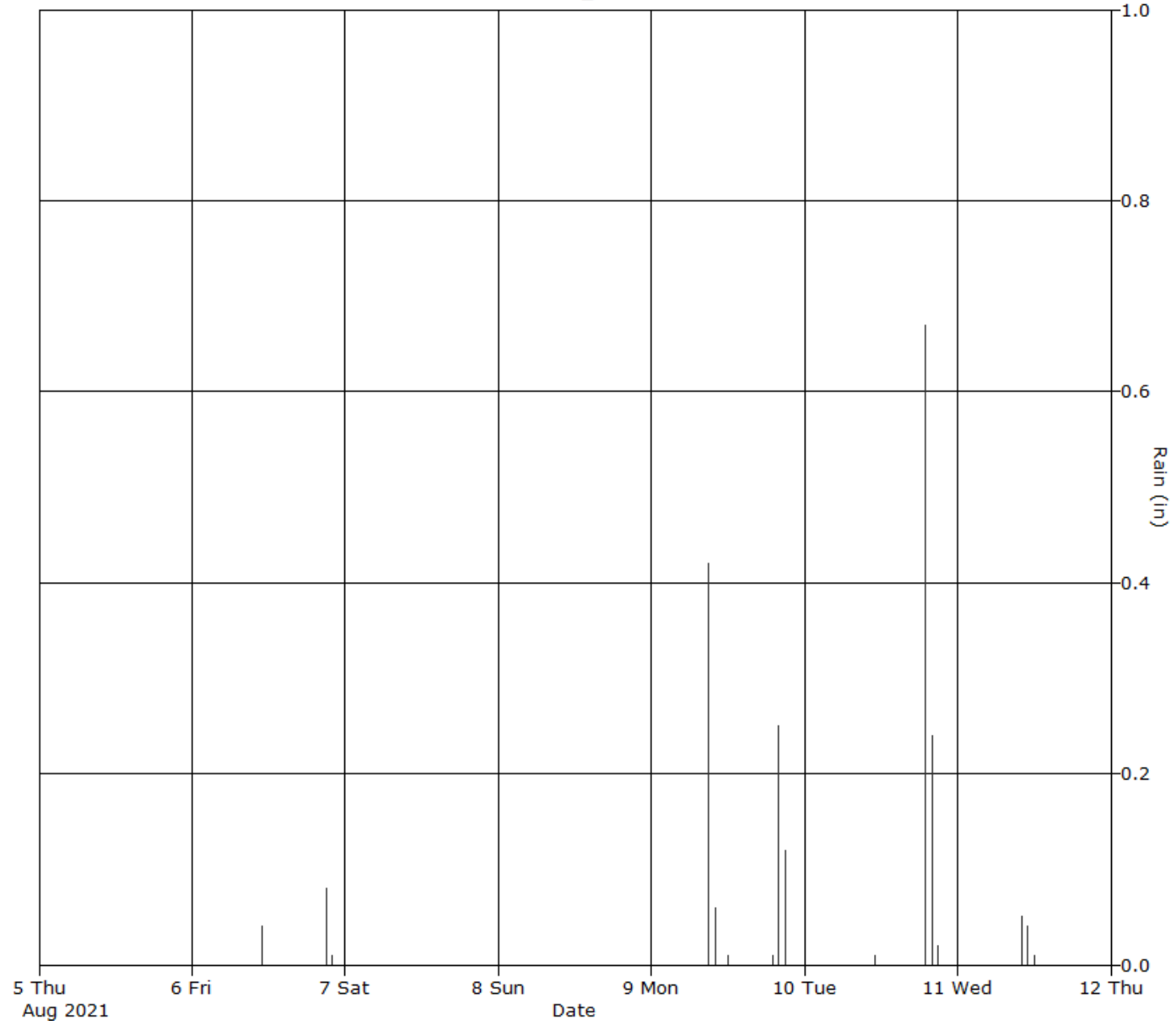
EVANSTON_EVRG0121

Report Period

8/5/2021
To
8/11/2021

Legend

Rain



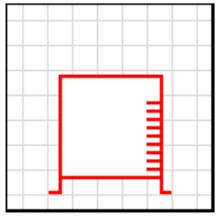
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

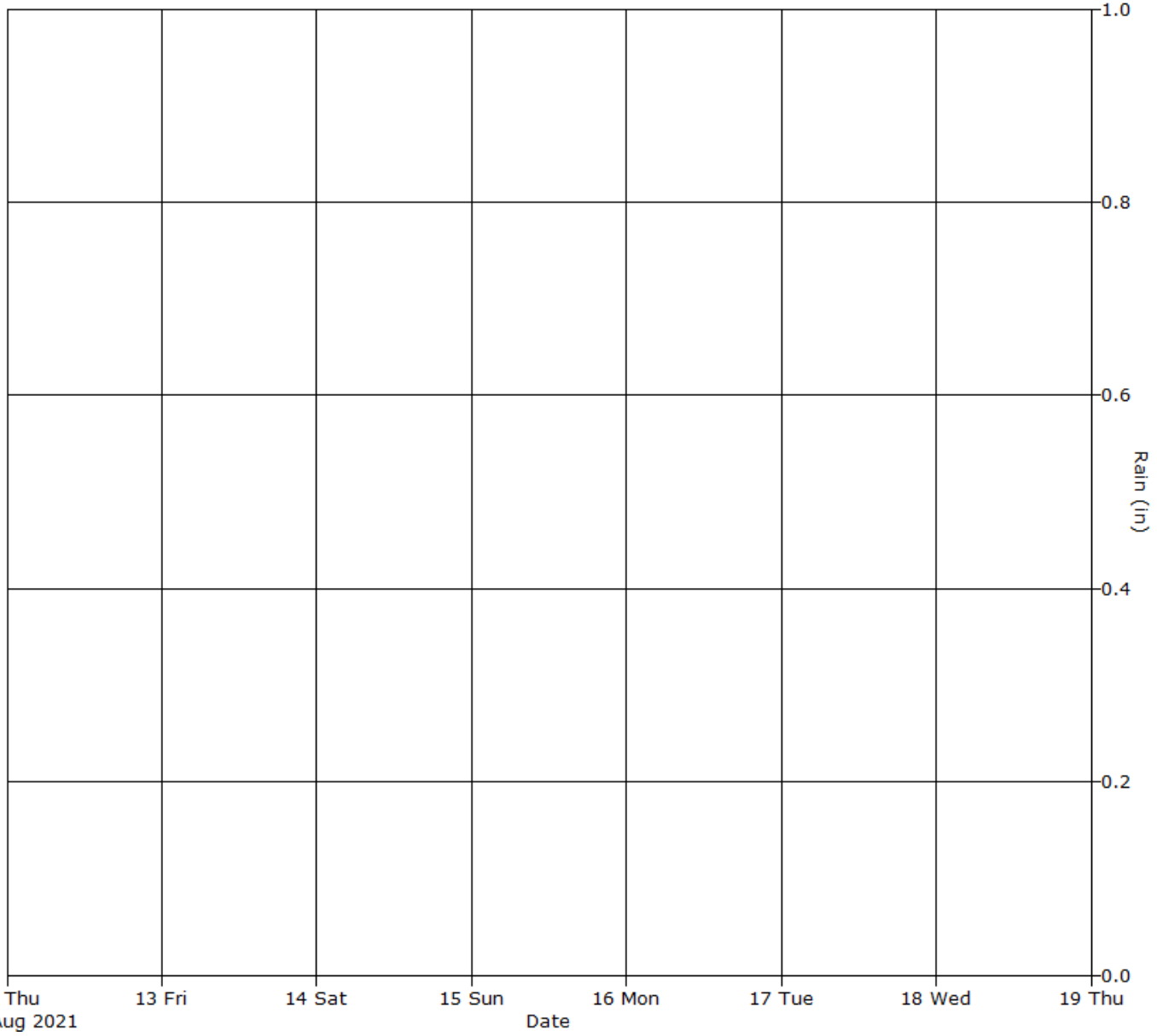


Report Period

8/12/2021
To
8/18/2021

Legend

Rain



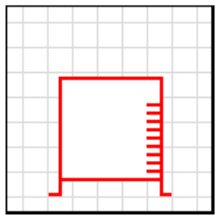
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

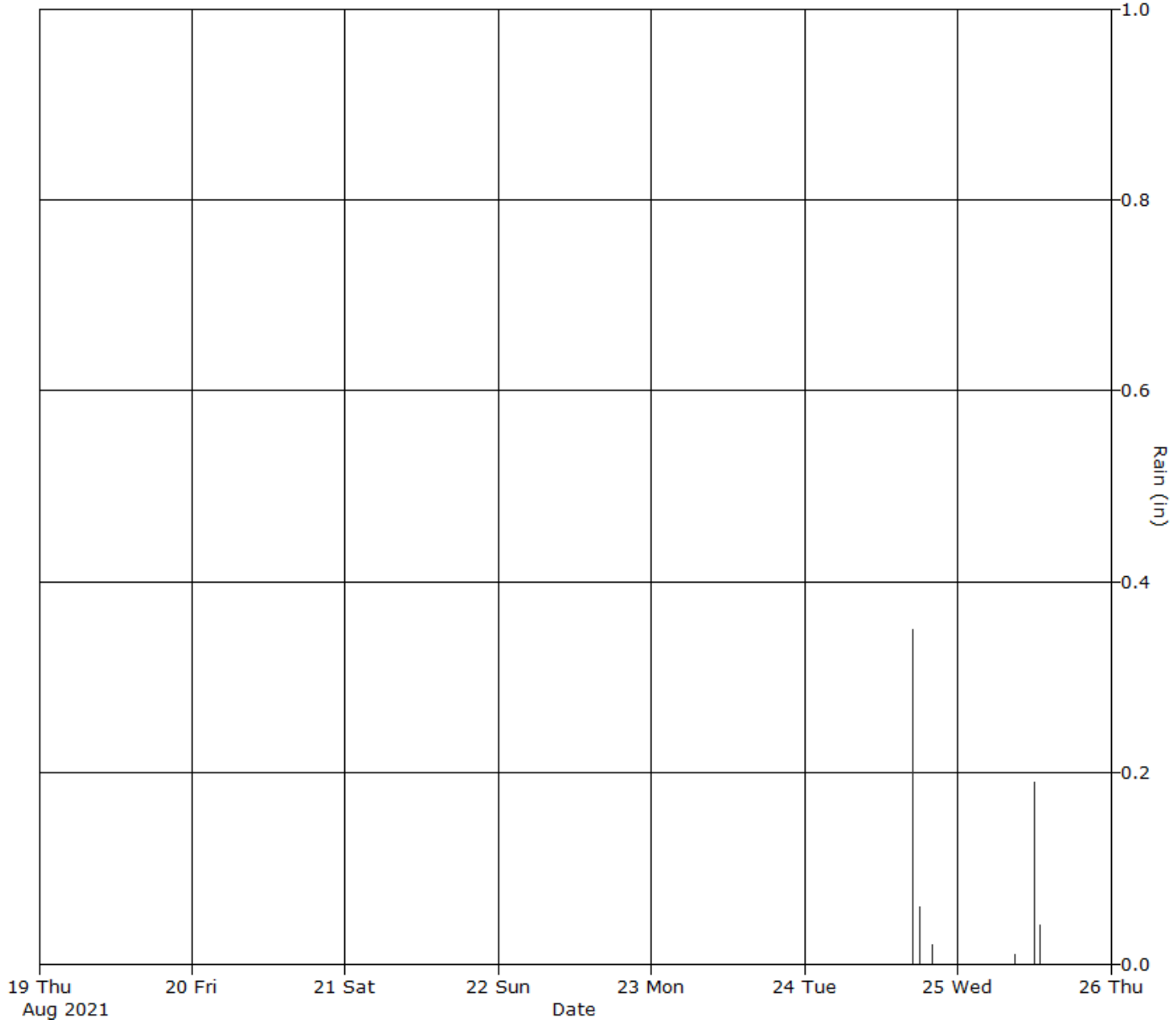


Report Period

8/19/2021
To
8/25/2021

Legend

Rain



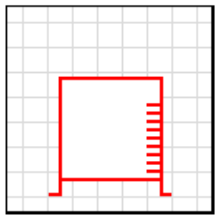
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0121

Rain Gauge

EVANSTON_EVRG0121

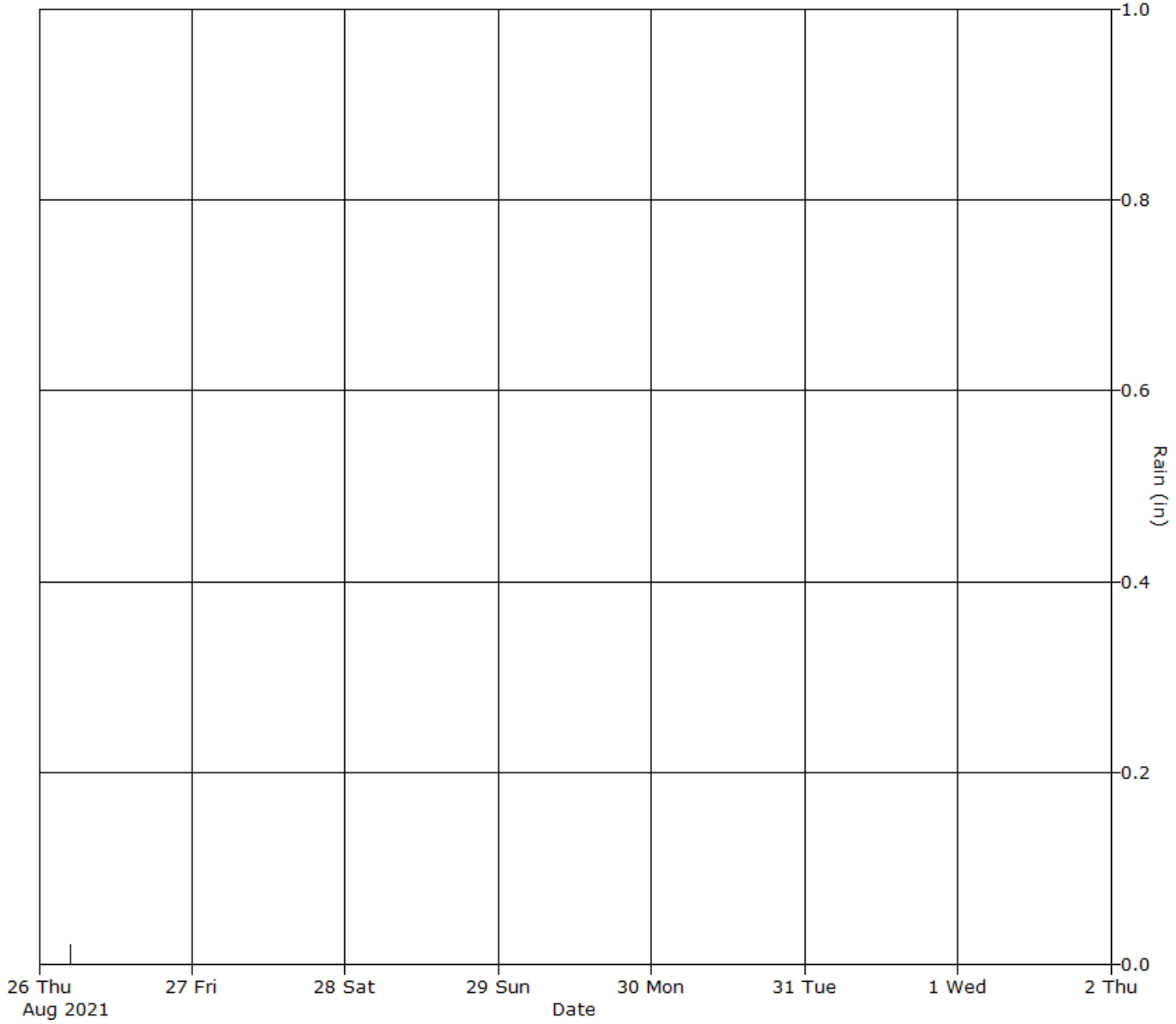


Report Period

8/26/2021
To
8/31/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_EVRG0121 , Silt: --

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021																	
04/17/2021																	
04/18/2021																	
04/19/2021																	
04/20/2021																	
04/21/2021																	
04/22/2021																	
04/23/2021																	
04/24/2021																	
04/25/2021																	
04/26/2021																	
04/27/2021																	
04/28/2021																	0.03
04/29/2021																	0.16
04/30/2021																	0.01
05/01/2021																	
05/02/2021																	
05/03/2021																	0.11
05/04/2021																	
05/05/2021																	
05/06/2021																	0.04
05/07/2021																	
05/08/2021																	
05/09/2021																	0.02
05/10/2021																	
05/11/2021																	
05/12/2021																	
05/13/2021																	
05/14/2021																	
05/15/2021																	
05/16/2021																	0.01

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.07
05/19/2021																	0.06
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.19
05/24/2021																	0.01
05/25/2021																	
05/26/2021																	0.45
05/27/2021																	0.03
05/28/2021																	0.15
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.26
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.65
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.22
06/25/2021																	1.04
06/26/2021																	0.87
06/27/2021																	
06/28/2021																	0.06
06/29/2021																	0.25
06/30/2021																	0.02
07/01/2021																	
07/02/2021																	
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021																	
07/07/2021																	
07/08/2021																	
07/09/2021																	
07/10/2021																	0.27

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021																	0.24
07/12/2021																	0.03
07/13/2021																	0.07
07/14/2021																	
07/15/2021																	0.45
07/16/2021																	0.33
07/17/2021																	
07/18/2021																	
07/19/2021																	
07/20/2021																	
07/21/2021																	
07/22/2021																	
07/23/2021																	0.06
07/24/2021																	0.04
07/25/2021																	
07/26/2021																	
07/27/2021																	
07/28/2021																	0.01
07/29/2021																	0.10
07/30/2021																	
07/31/2021																	
08/01/2021																	
08/02/2021																	
08/03/2021																	
08/04/2021																	
08/05/2021																	
08/06/2021																	0.13
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08/10/2021																	0.94
08/11/2021																	0.10
08/12/2021																	
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08/24/2021																	0.43
08/25/2021																	0.24
08/26/2021																	0.02
08/27/2021																	
08/28/2021																	
08/29/2021																	
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Rain (in)
Total	11.39
Avg	

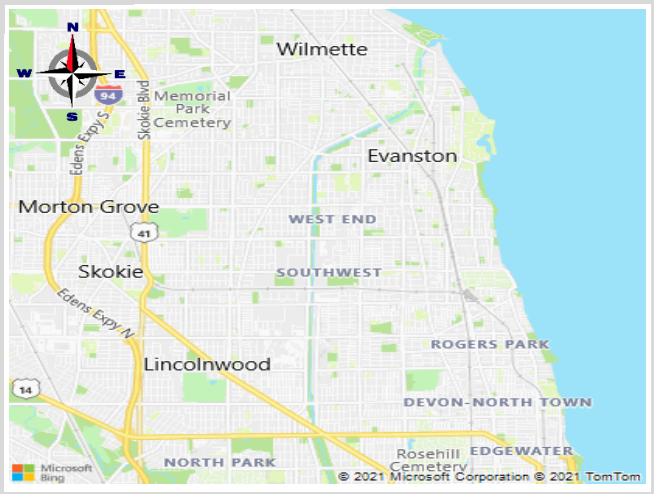
Evanston, IL

Flow Monitoring Site Report

SITE NAME

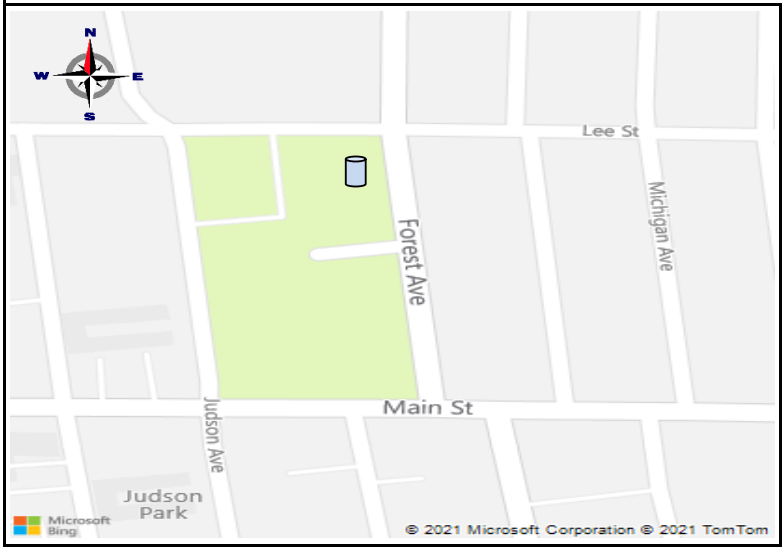
EVRG0221

Site Address /Location:	910 Forest Ave. (Lincoln Elementary School)			Monitor Series	Location Type
				Rain Alert III	Temporary
Site Access Details:	top of roof; see additonal info/comment box below for access details	Latitude:	42.034802	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.675248		



Manhole #	System Characteristics
Access	**Traffic**
Roof (Access w/ Ladder)	







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, April 08, 2021	Rain Gauge
Monitoring Location (Sensors):	Monitor Location:
Rooftop	Building - Contact Client
Sensors / Devices:	Pressure Sensor Range (psi)
Rain Gauge Tipping Bucket	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
Downlooker Physical Offset (in)	Measurement Confidence (in)
Peak Velocity (fps)	Velocity Sensor Offset (in)
Silt (in)	Silt Type

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
Manhole Material:	Manhole Condition:
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
Manhole Cover	Manhole Frame
Active Drop Connections	Air Quality:
Pipe Material	Pipe Condition:

Communication Information:

Communication Type	Antenna Location
Wireless	RA3

Additional Site Info. / Comments:

Contact Mr.Reese (Head Custodian) - 847-344-3630

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

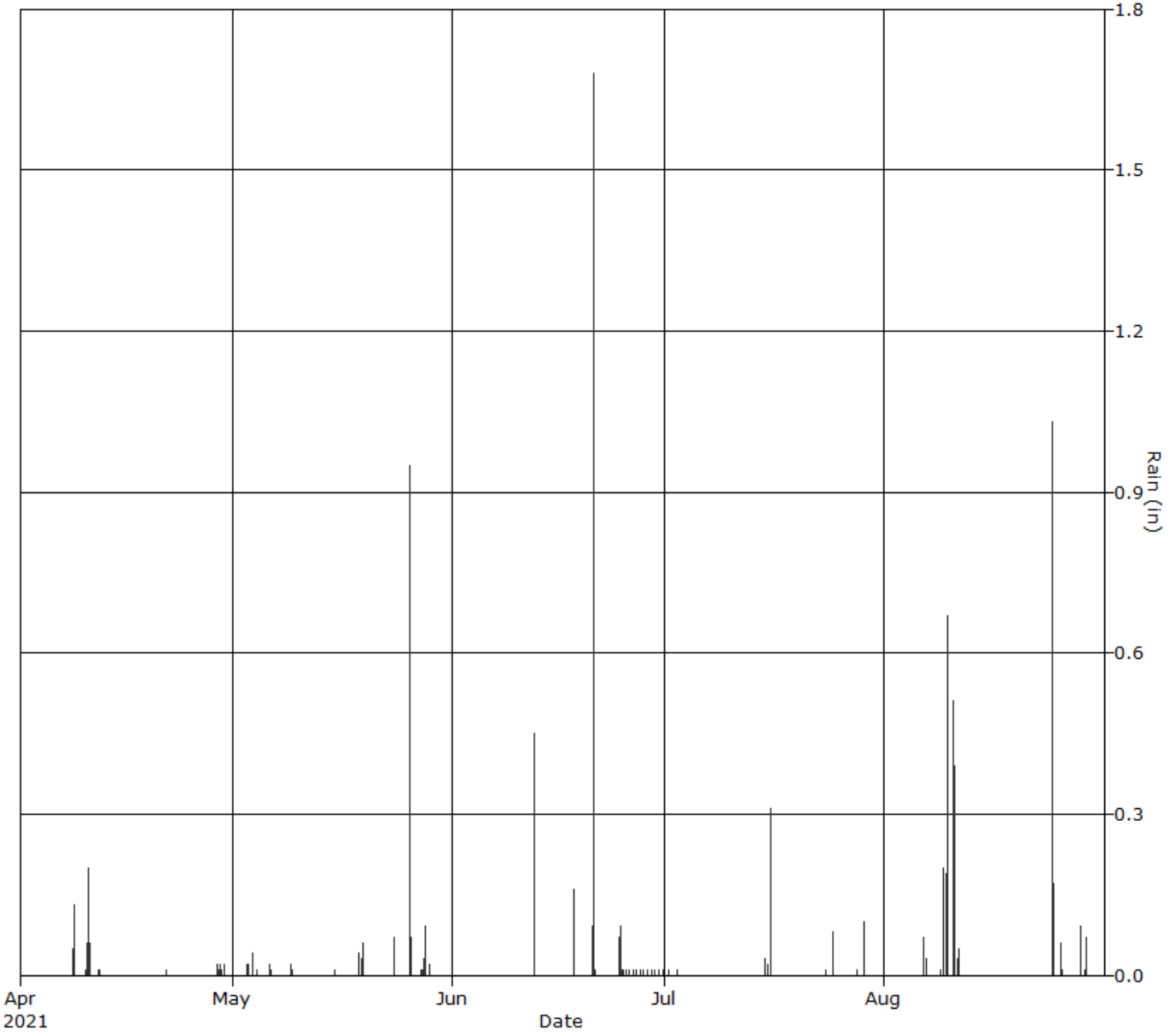
EVANSTON_EVRG0221

Report Period

4/1/2021
To
8/31/2021

Legend

Rain



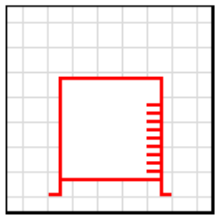
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

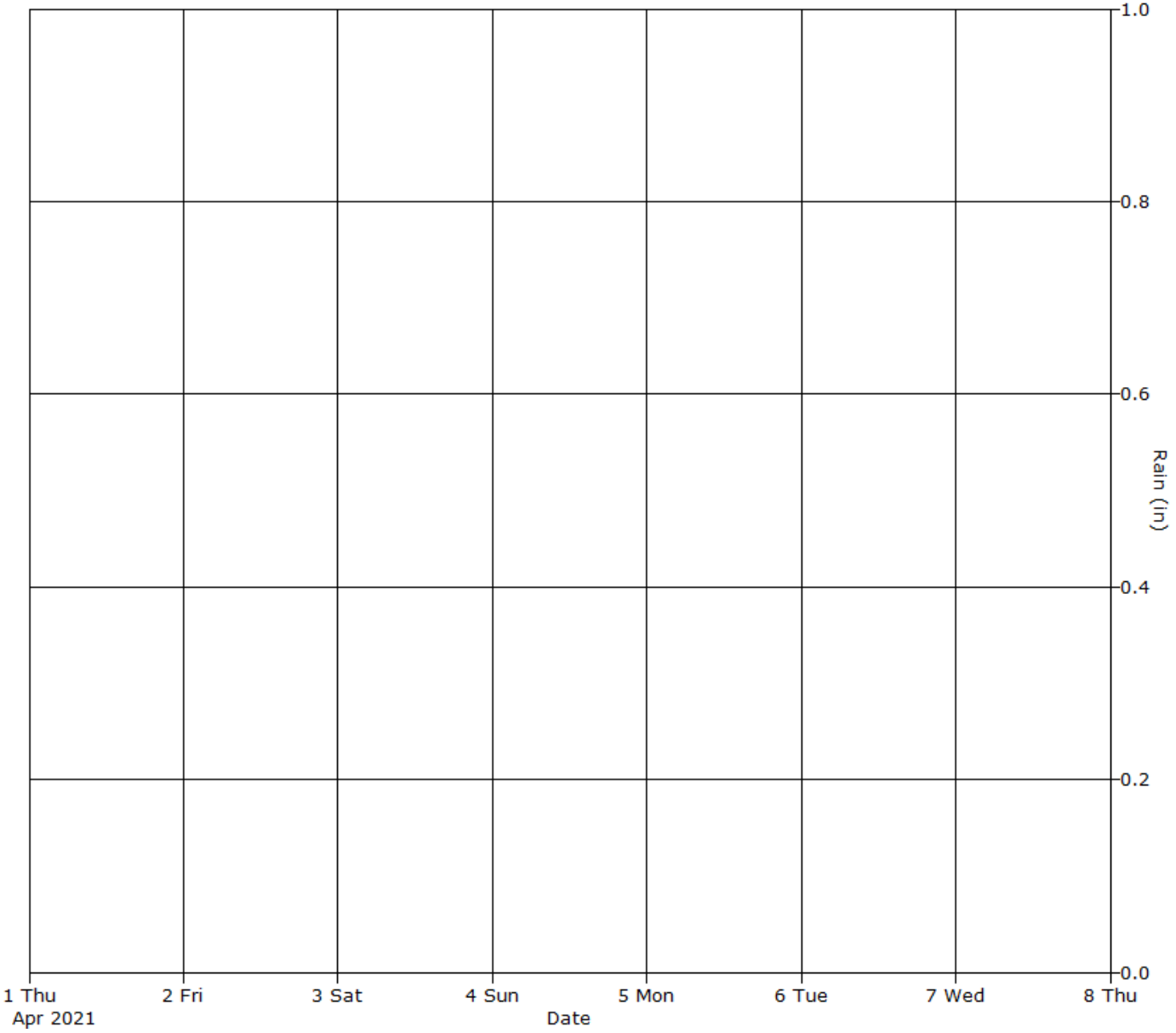


Report Period

4/1/2021
To
4/7/2021

Legend

Rain



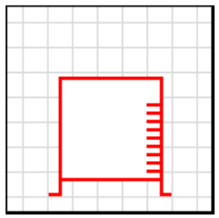
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

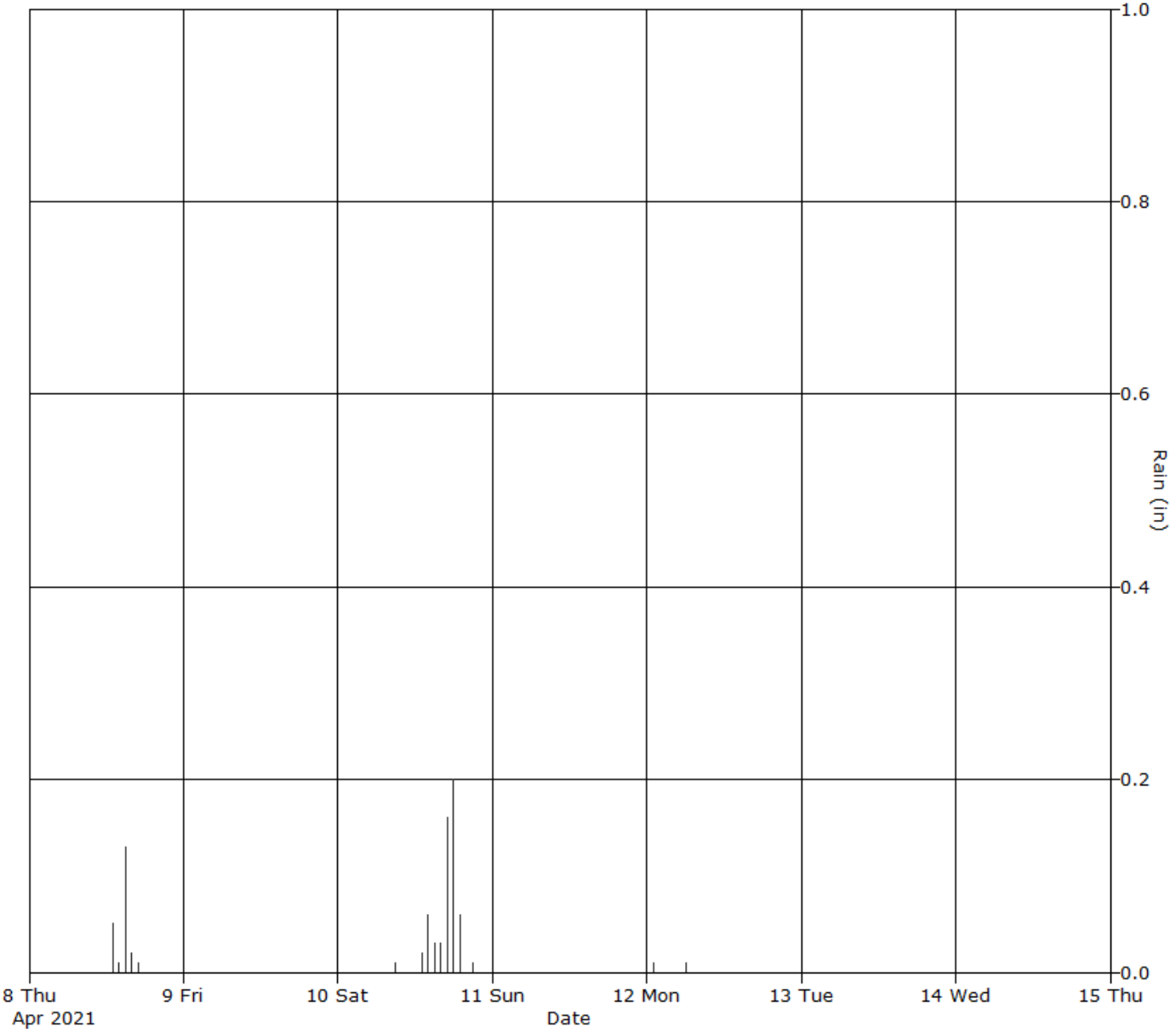


Report Period

4/8/2021
To
4/14/2021

Legend

Rain



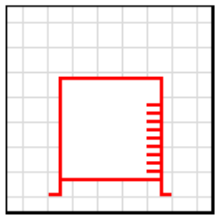
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

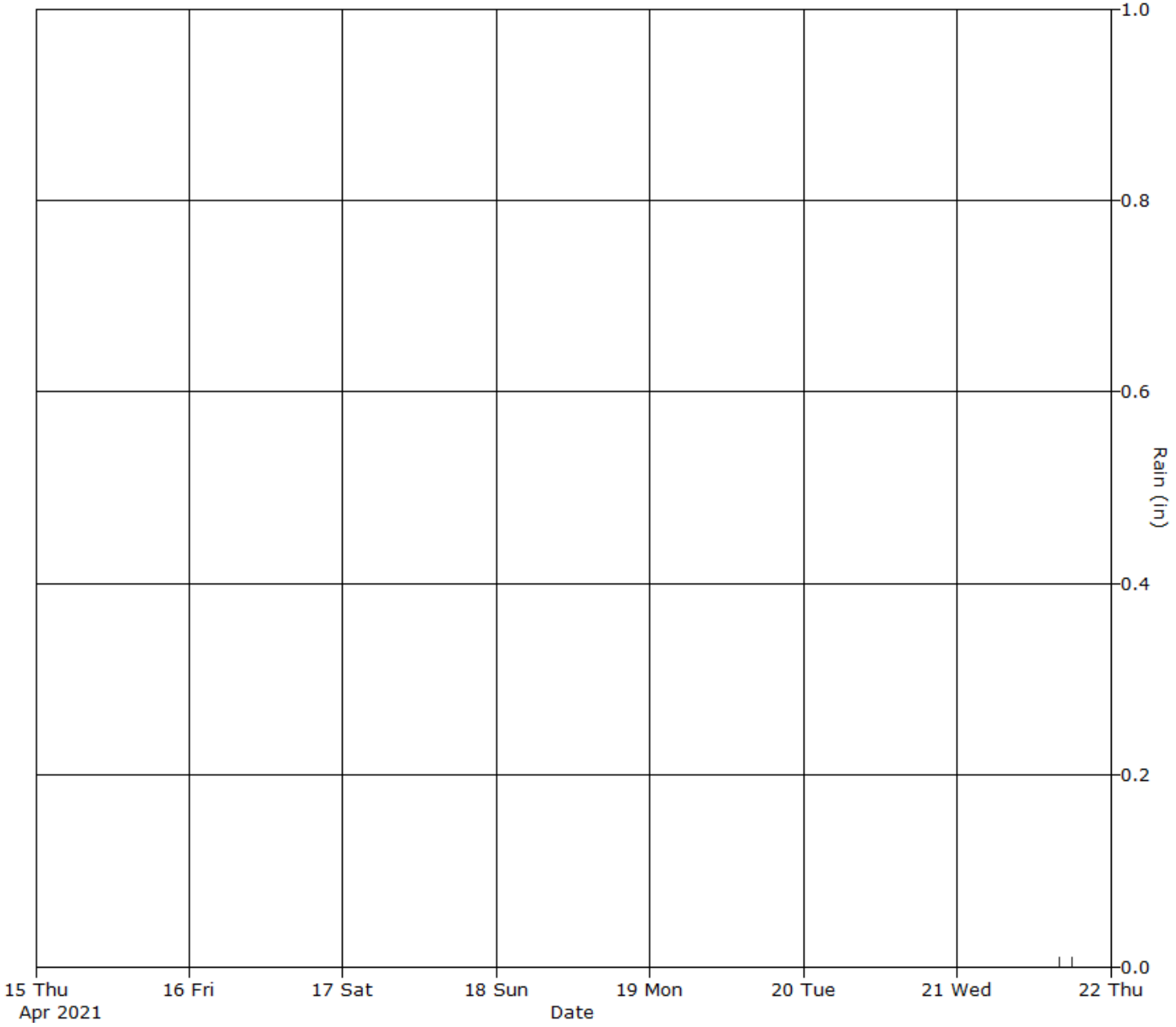


Report Period

4/15/2021
To
4/21/2021

Legend

Rain



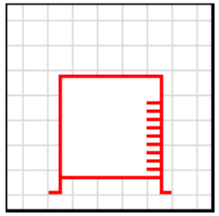
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

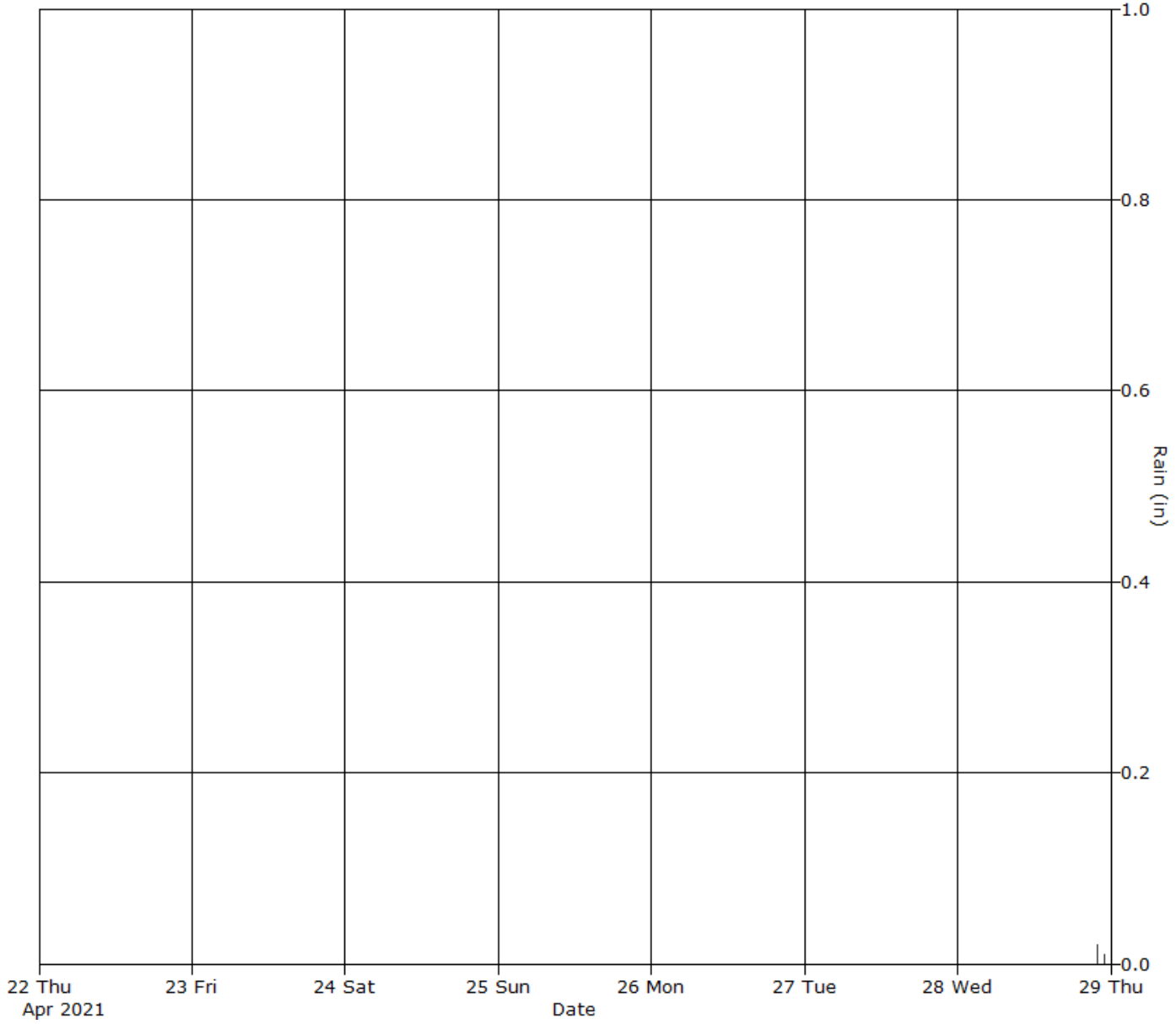


Report Period

4/22/2021
To
4/28/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

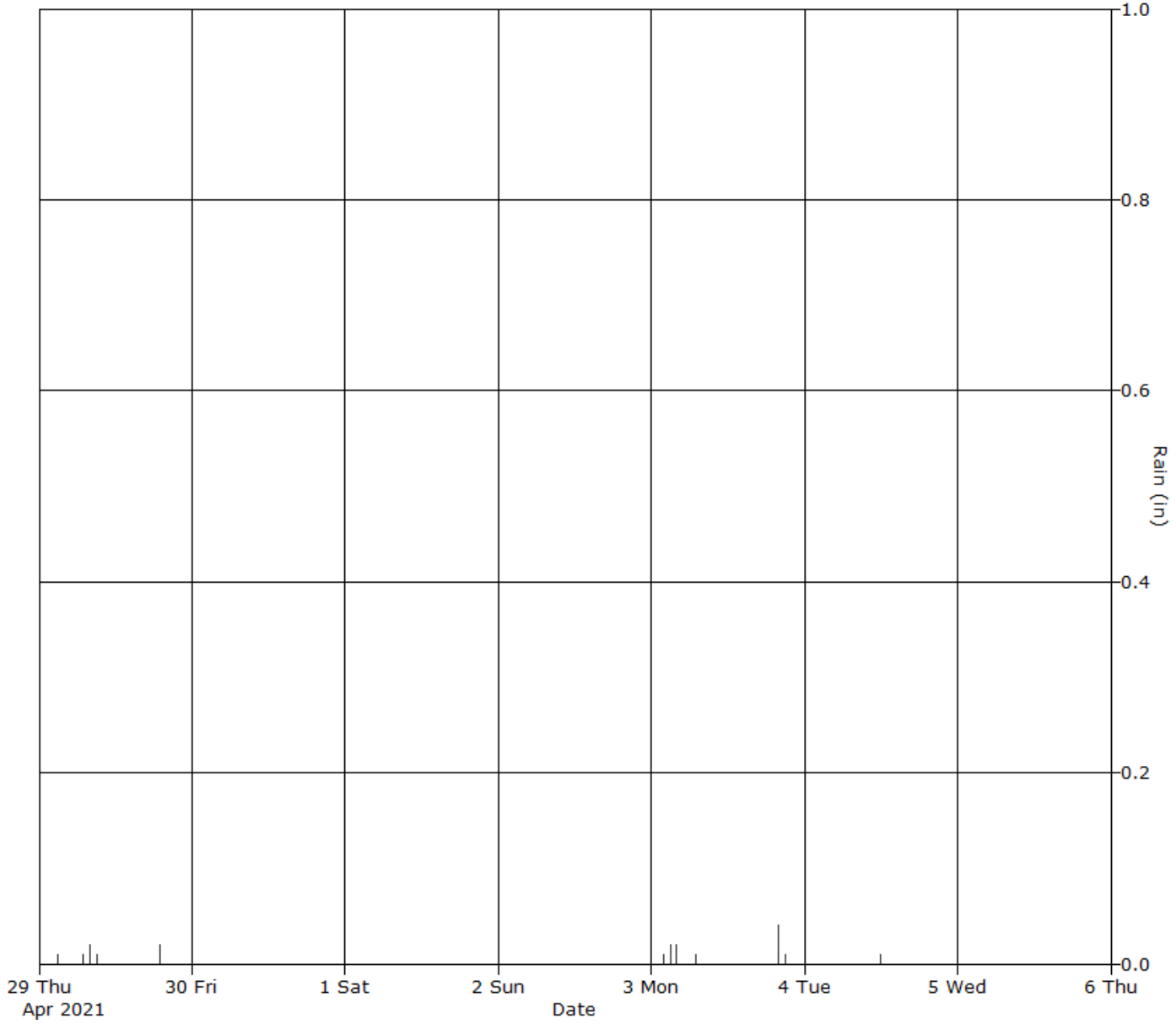
EVANSTON_EVRG0221

Report Period

4/29/2021
To
5/5/2021

Legend

Rain



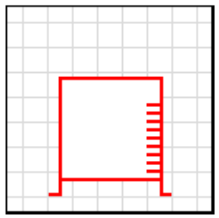
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

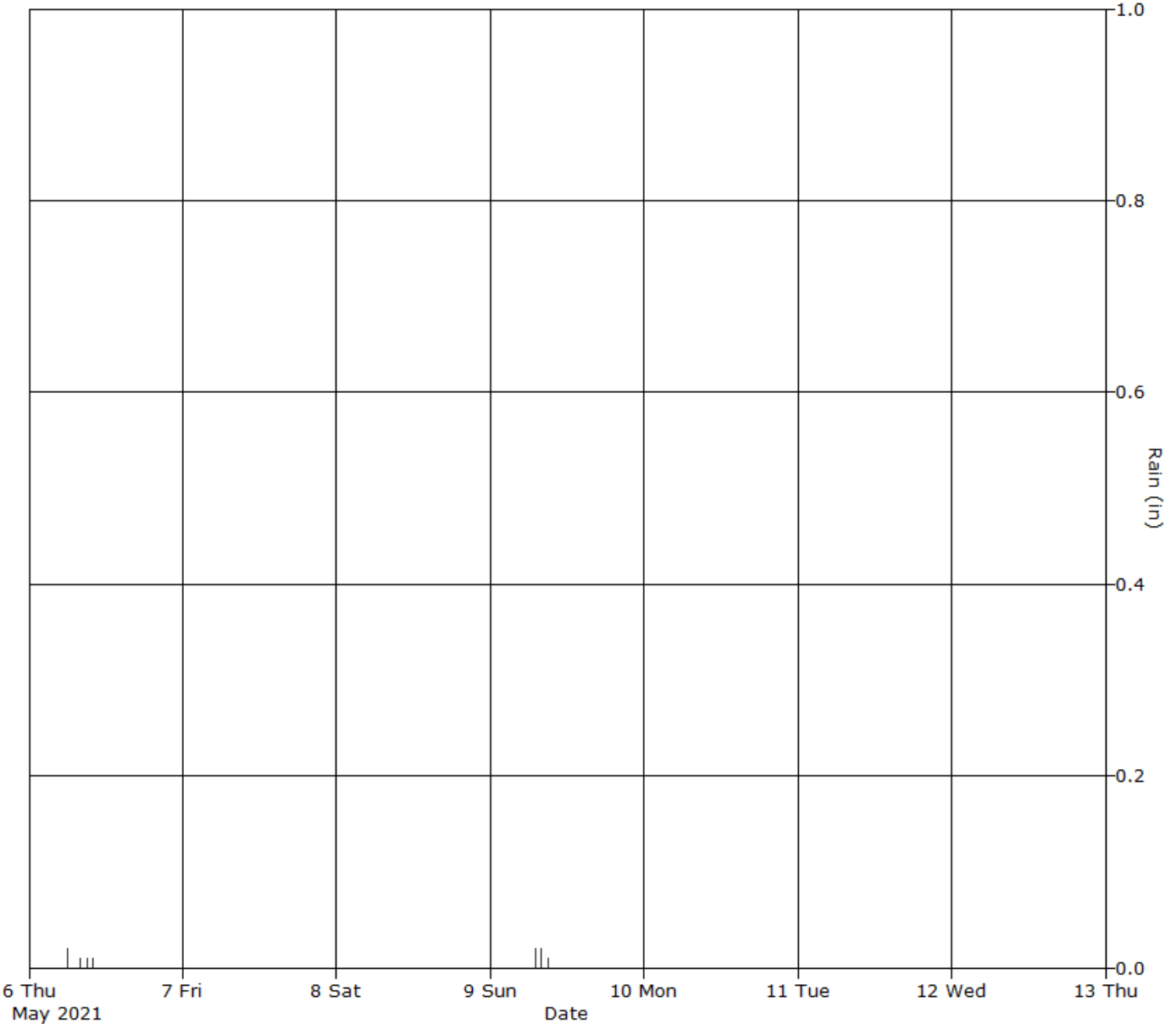


Report Period

5/6/2021
To
5/12/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

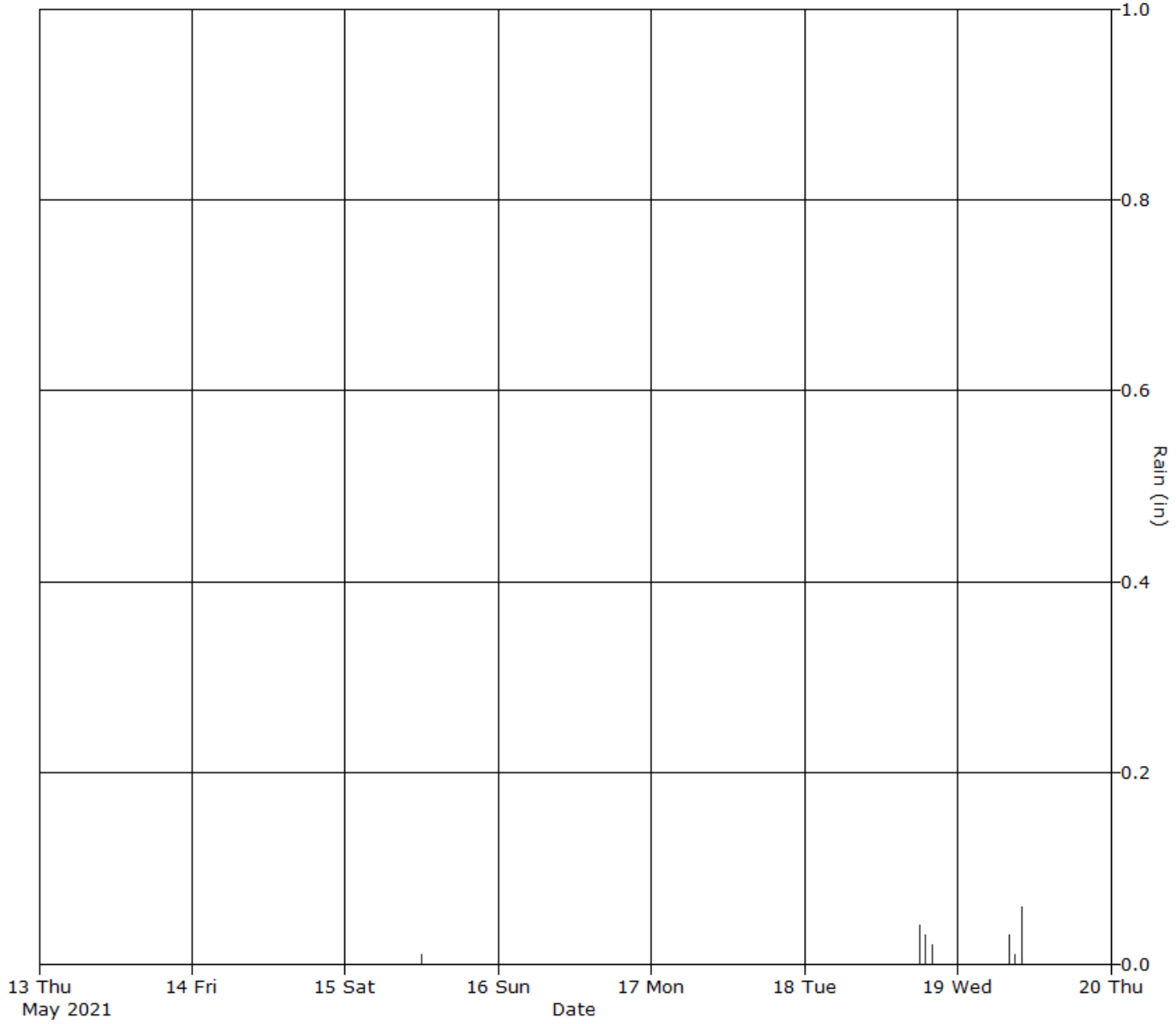
EVANSTON_EVRG0221

Report Period

5/13/2021
To
5/19/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

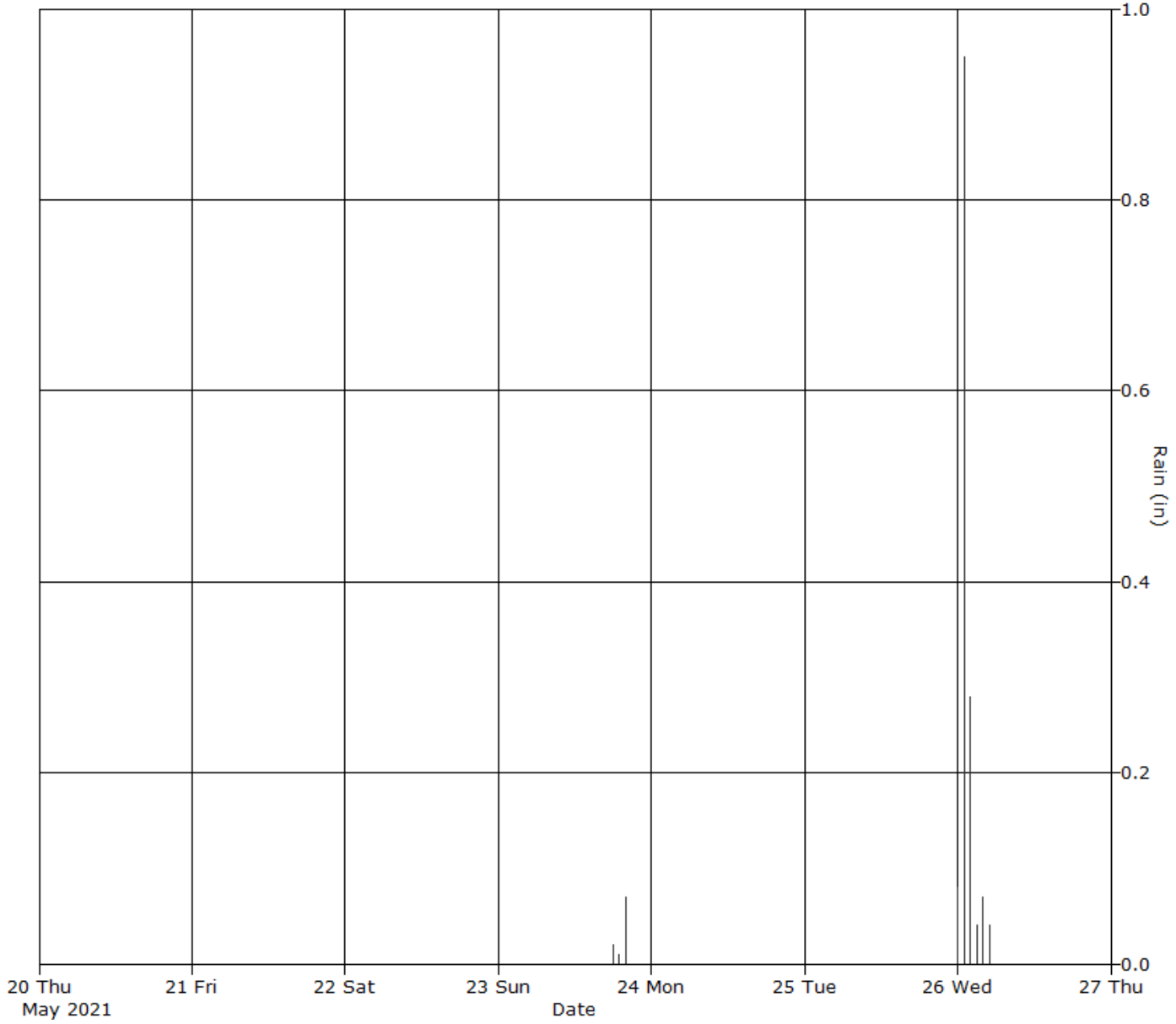
EVANSTON_EVRG0221

Report Period

5/20/2021
To
5/26/2021

Legend

Rain



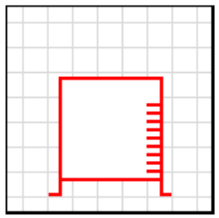
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

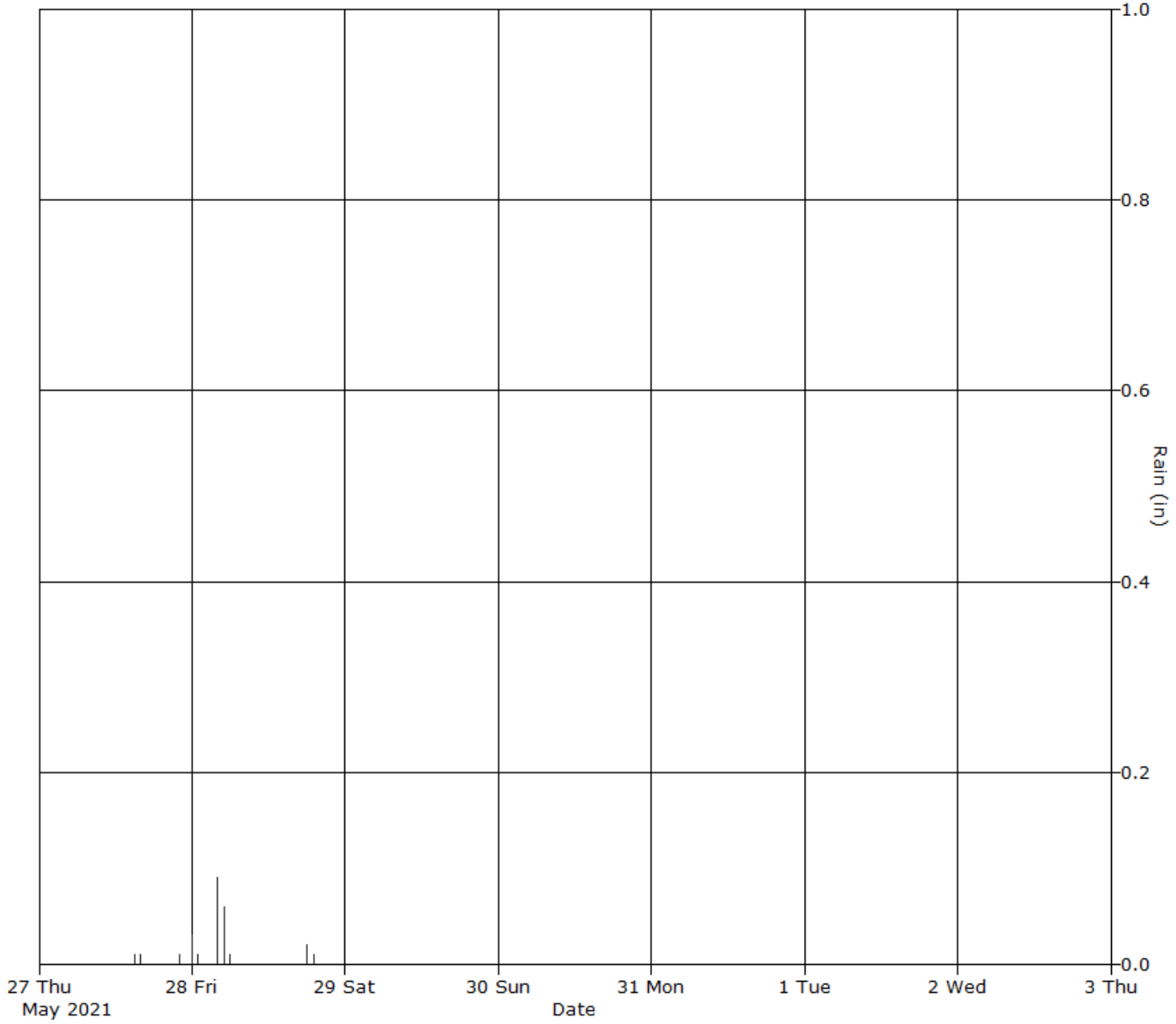


Report Period

5/27/2021
To
6/2/2021

Legend

Rain



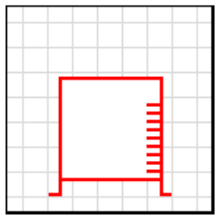
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

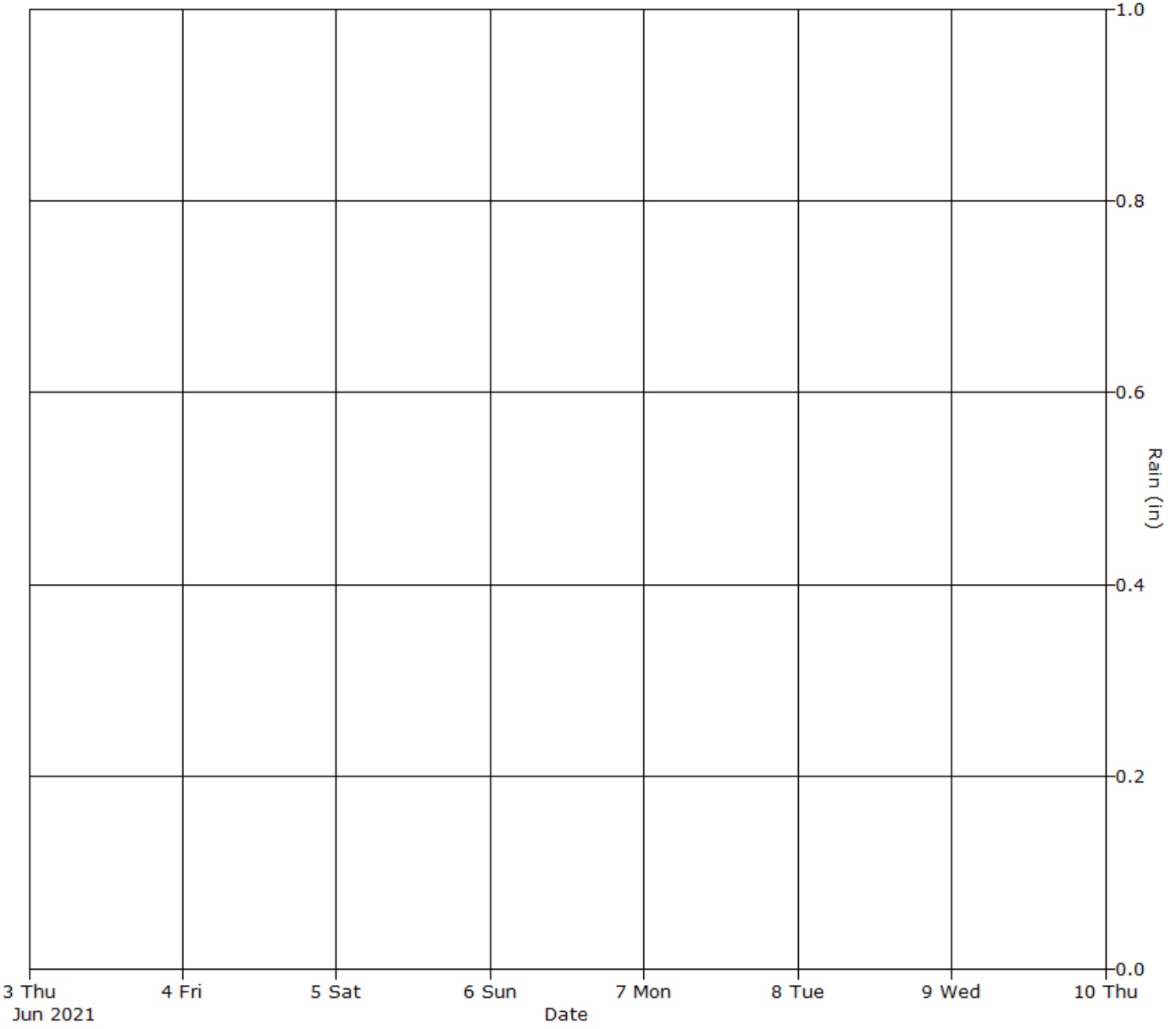


Report Period

6/3/2021
To
6/9/2021

Legend

Rain



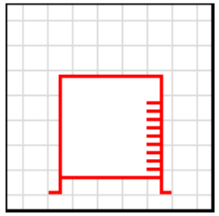
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

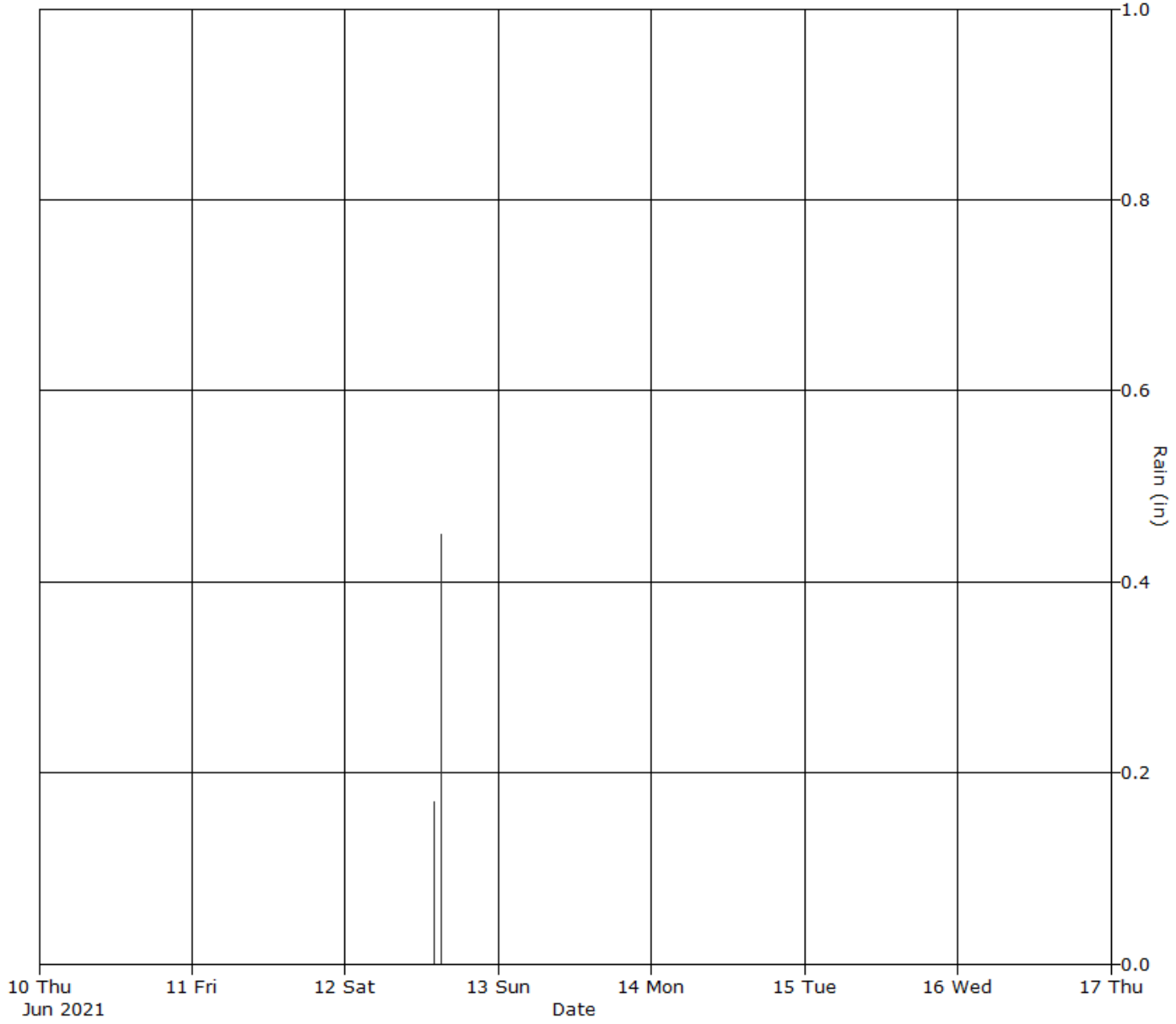


Report Period

6/10/2021
To
6/16/2021

Legend

Rain



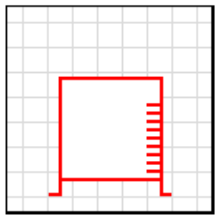
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

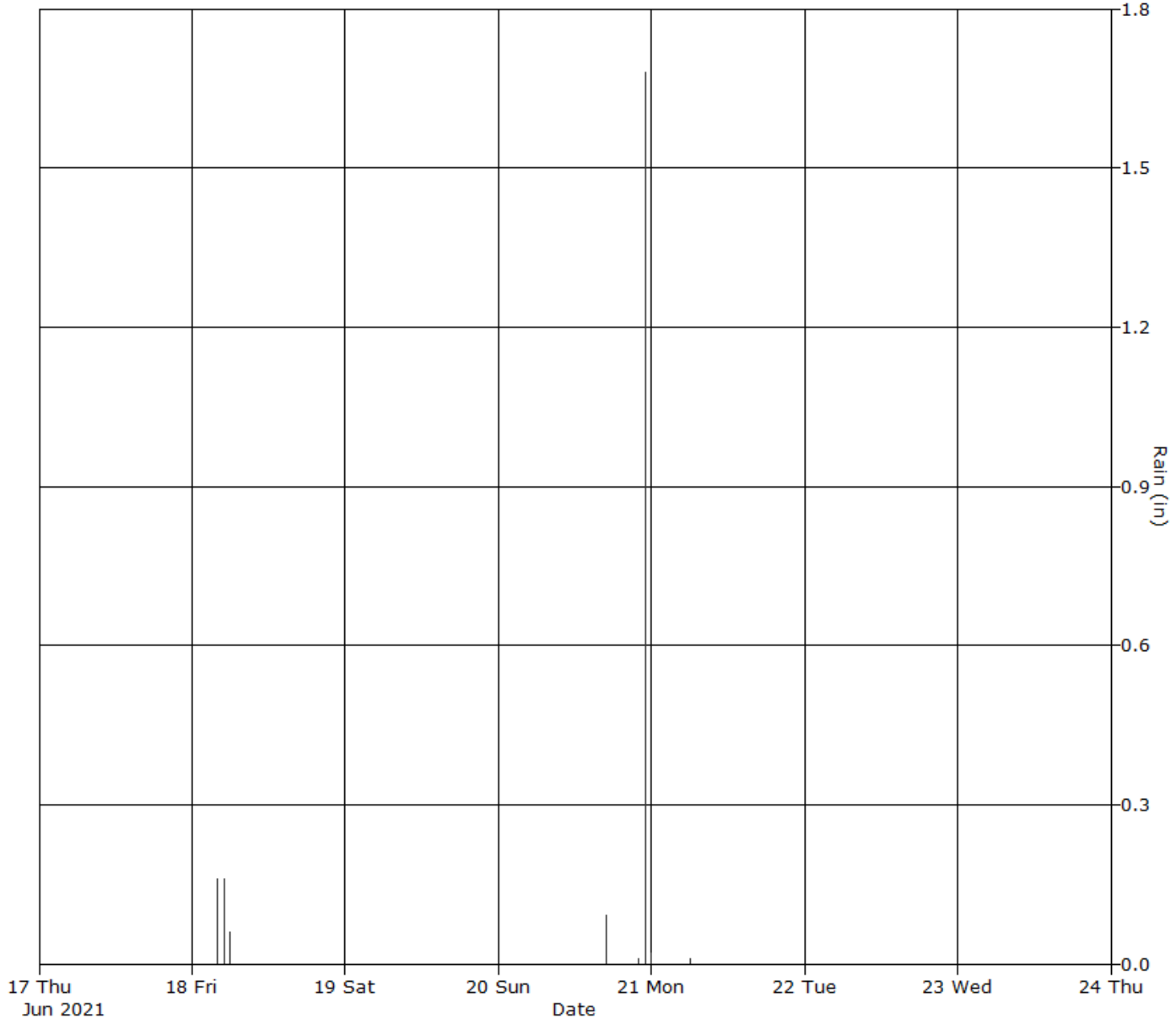


Report Period

6/17/2021
To
6/23/2021

Legend

Rain



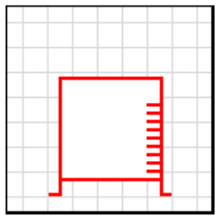
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

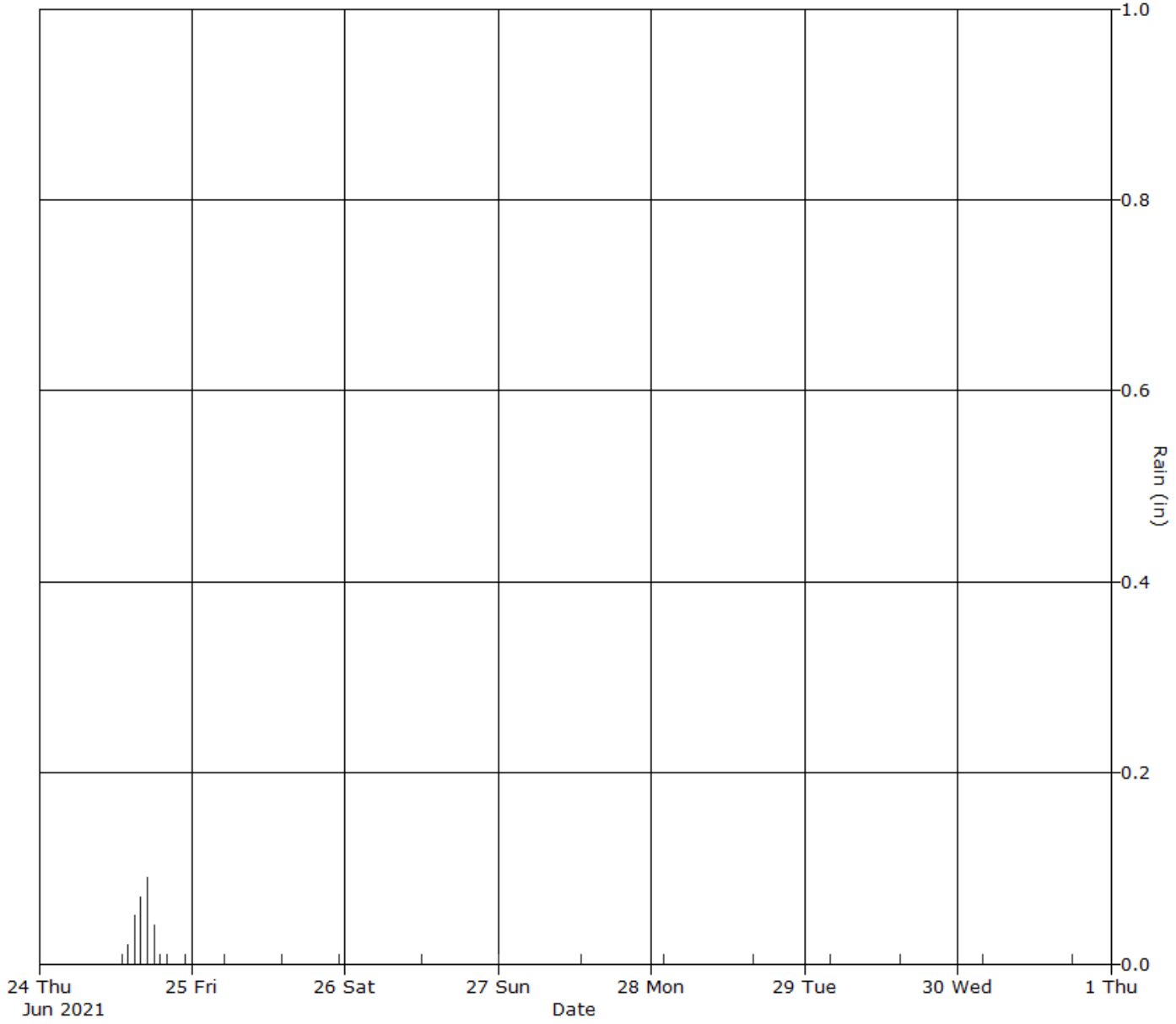


Report Period

6/24/2021
To
6/30/2021

Legend

Rain



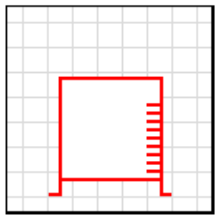
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

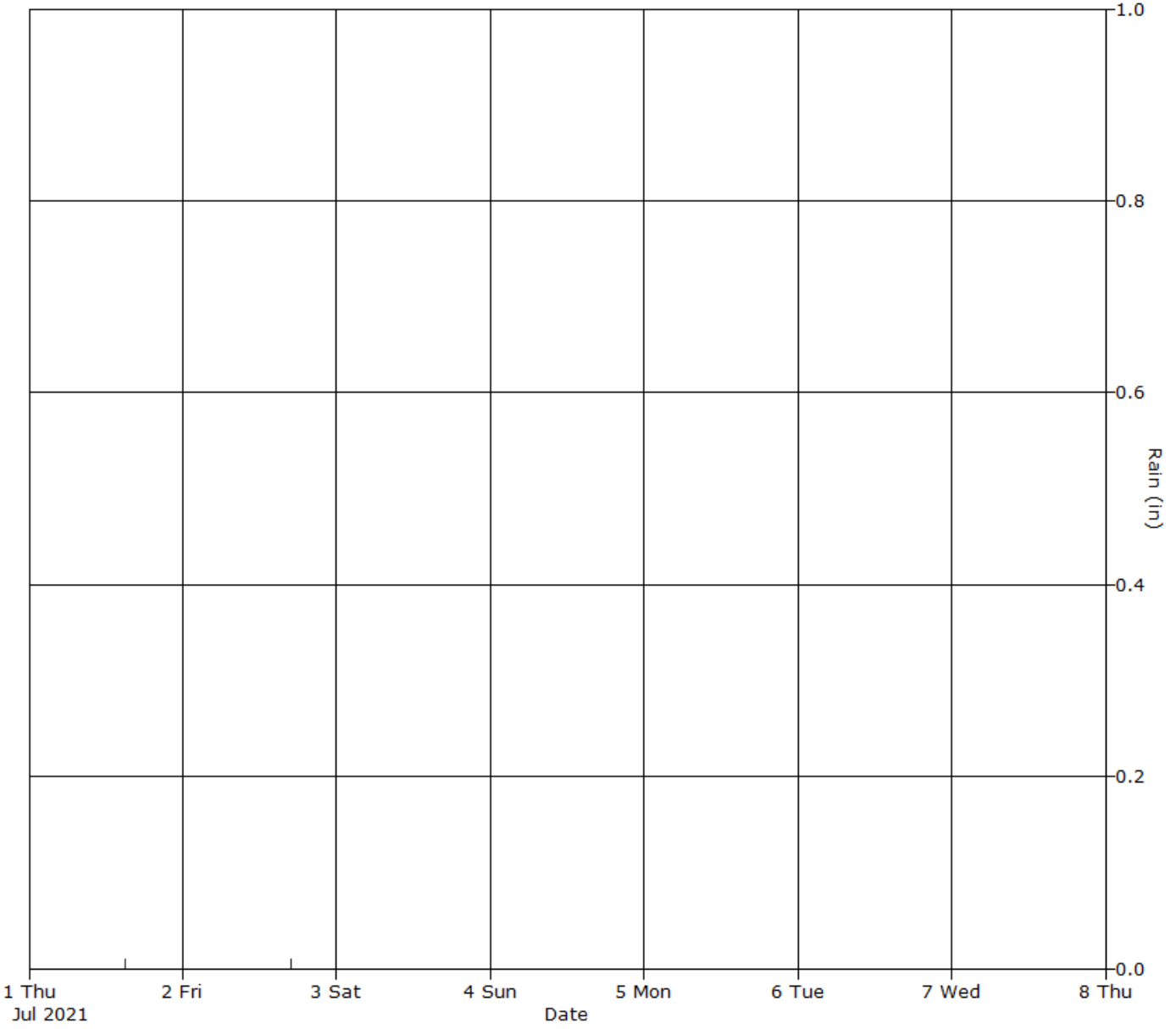


Report Period

7/1/2021
To
7/7/2021

Legend

Rain



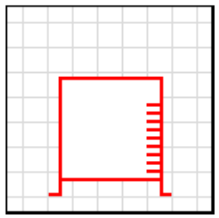
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

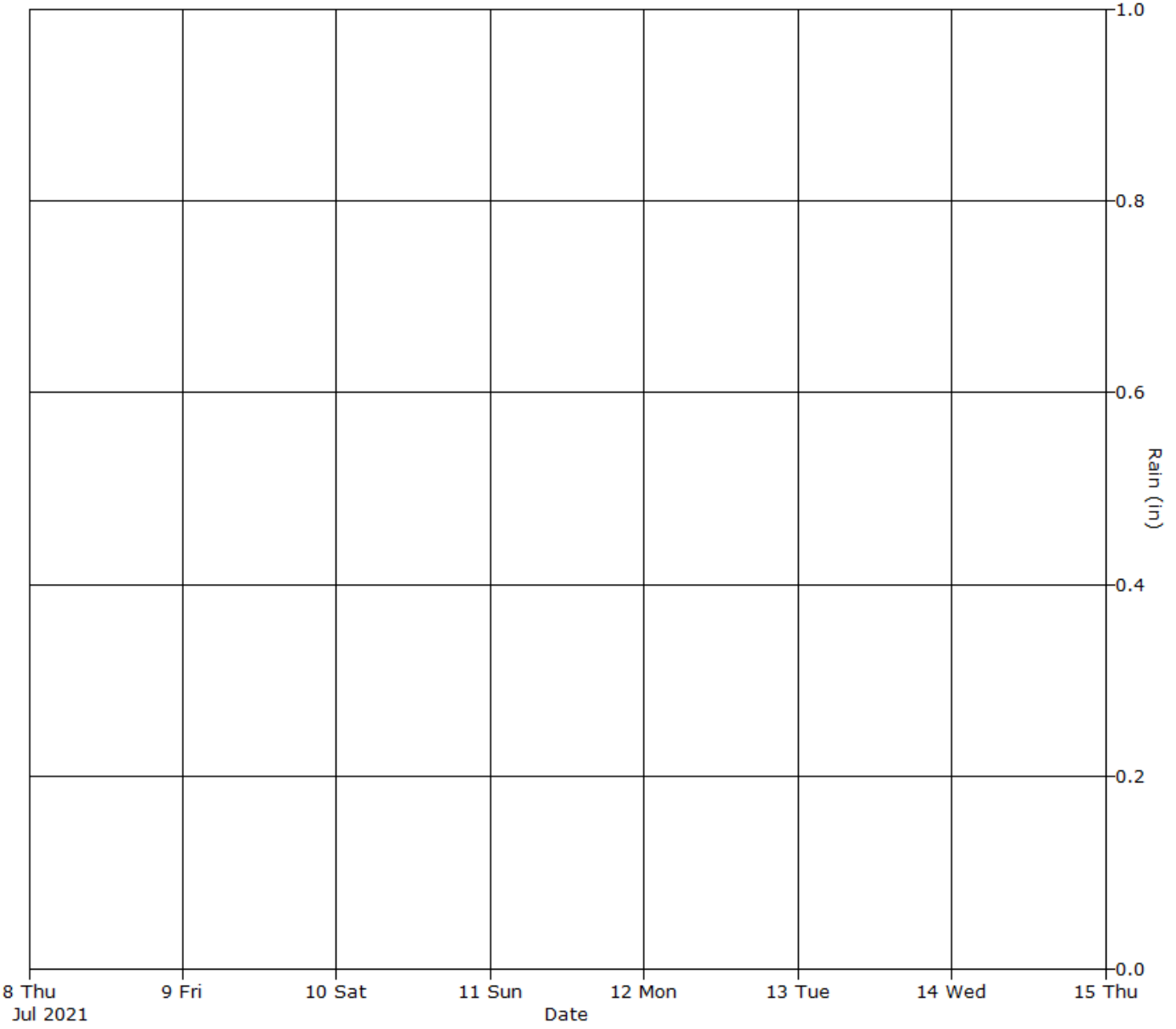


Report Period

7/8/2021
To
7/14/2021

Legend

Rain



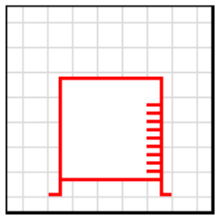
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

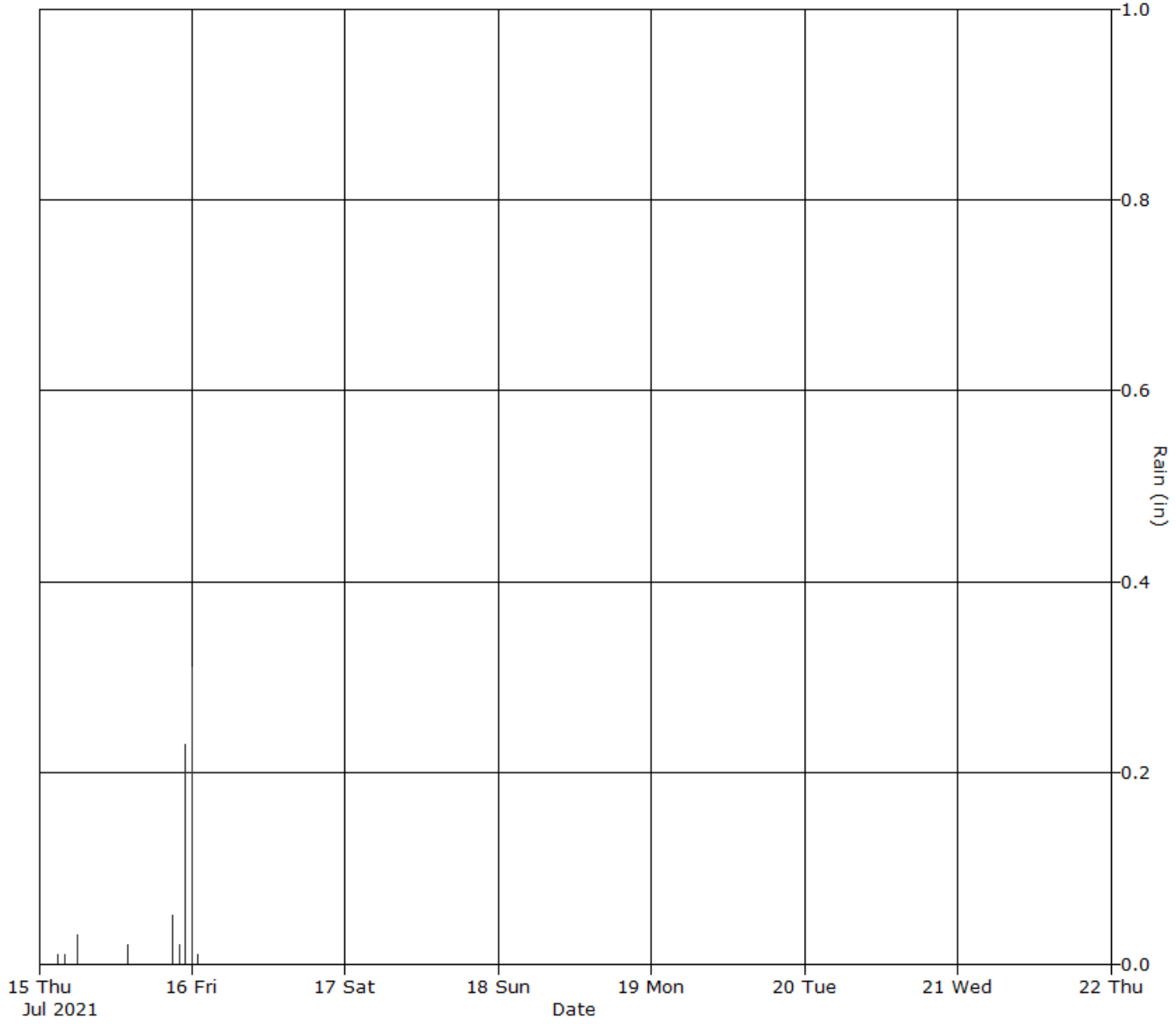


Report Period

7/15/2021
To
7/21/2021

Legend

Rain



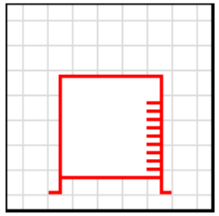
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

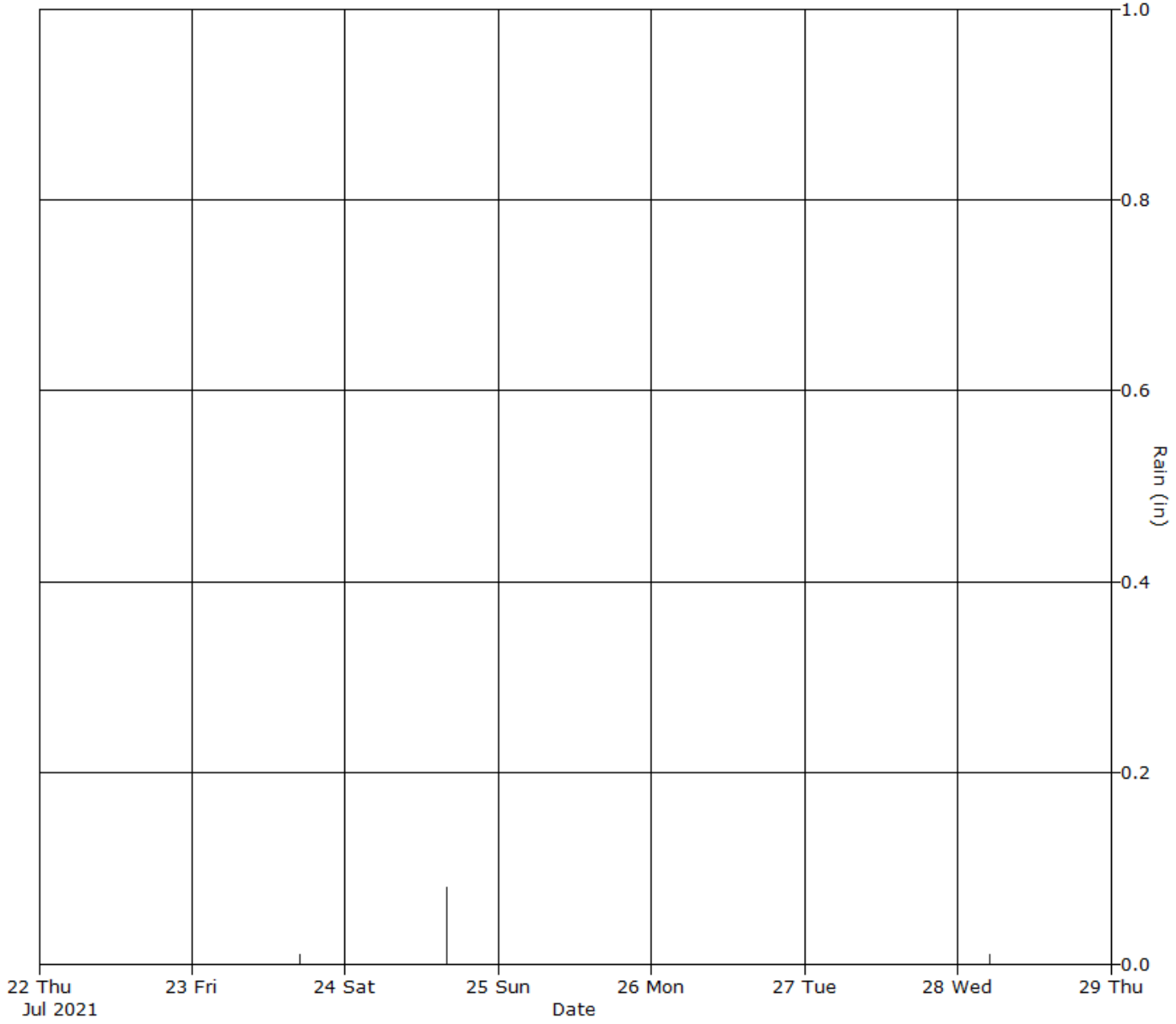


Report Period

7/22/2021
To
7/28/2021

Legend

Rain



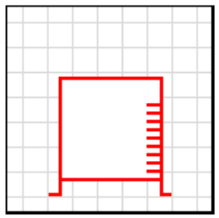
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

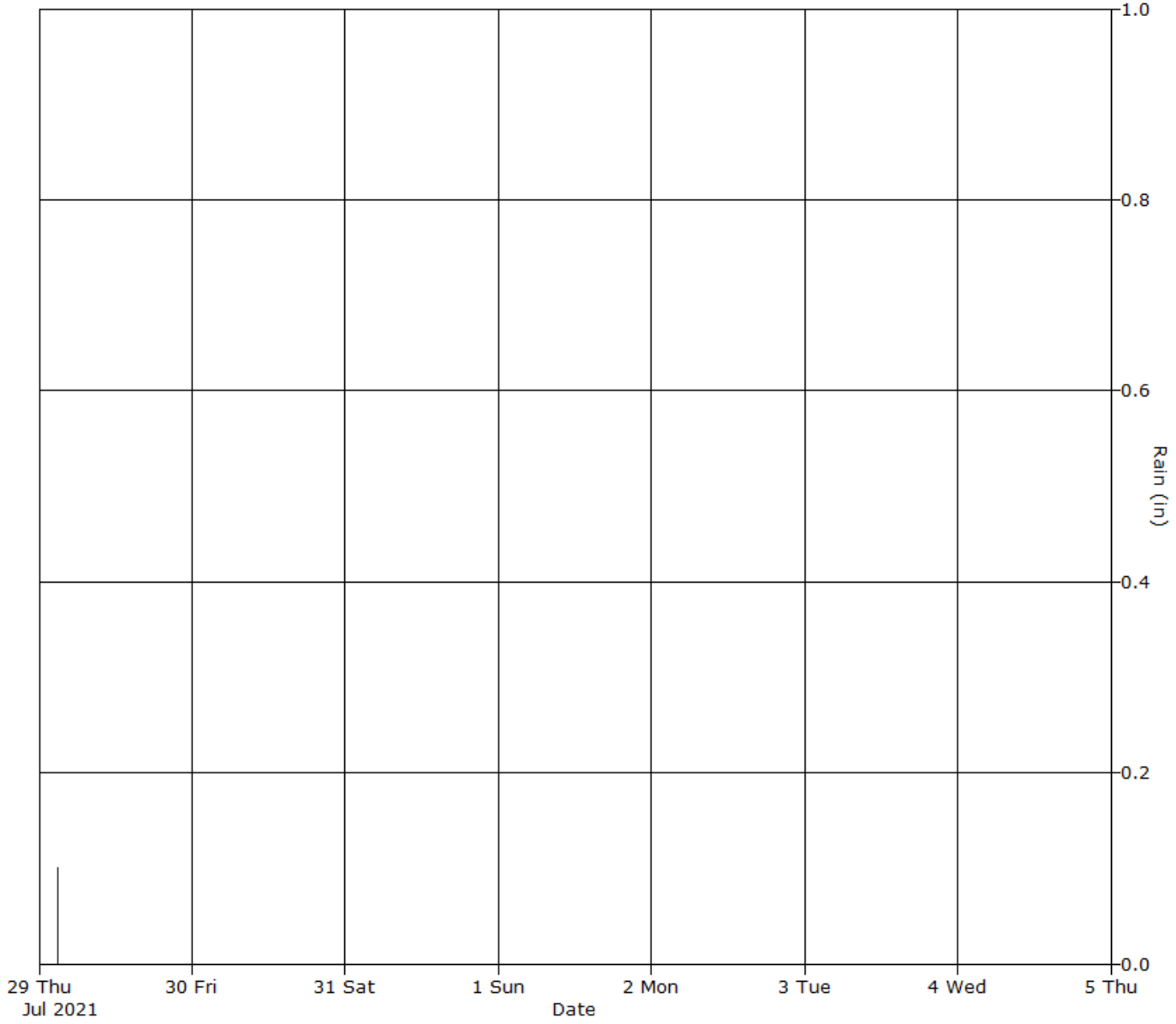


Report Period

7/29/2021
To
8/4/2021

Legend

Rain



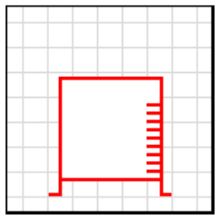
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

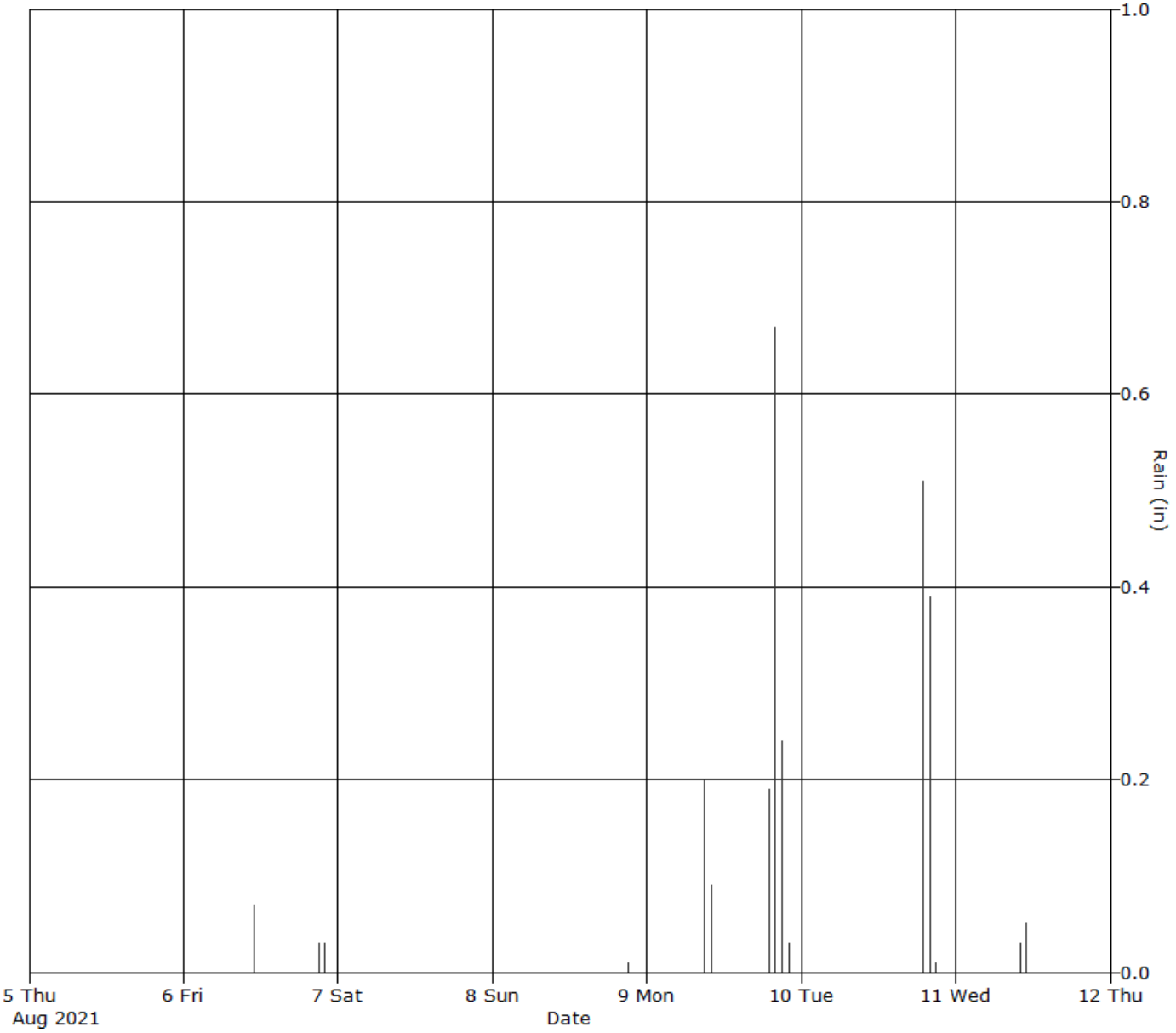


Report Period

8/5/2021
To
8/11/2021

Legend

Rain



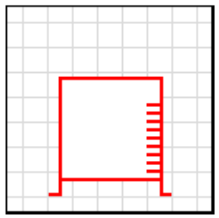
ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

EVANSTON_EVRG0221

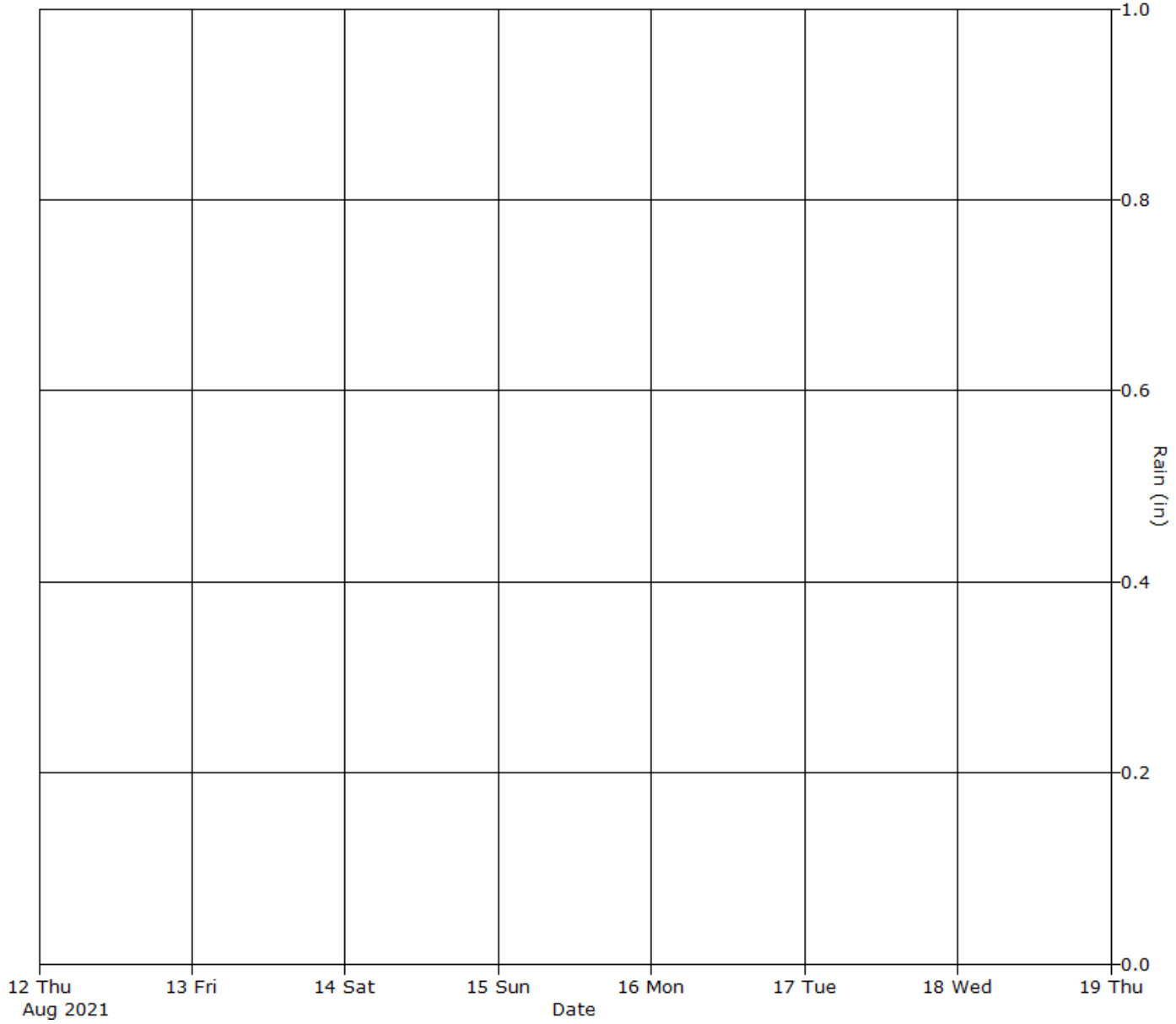


Report Period

8/12/2021
To
8/18/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

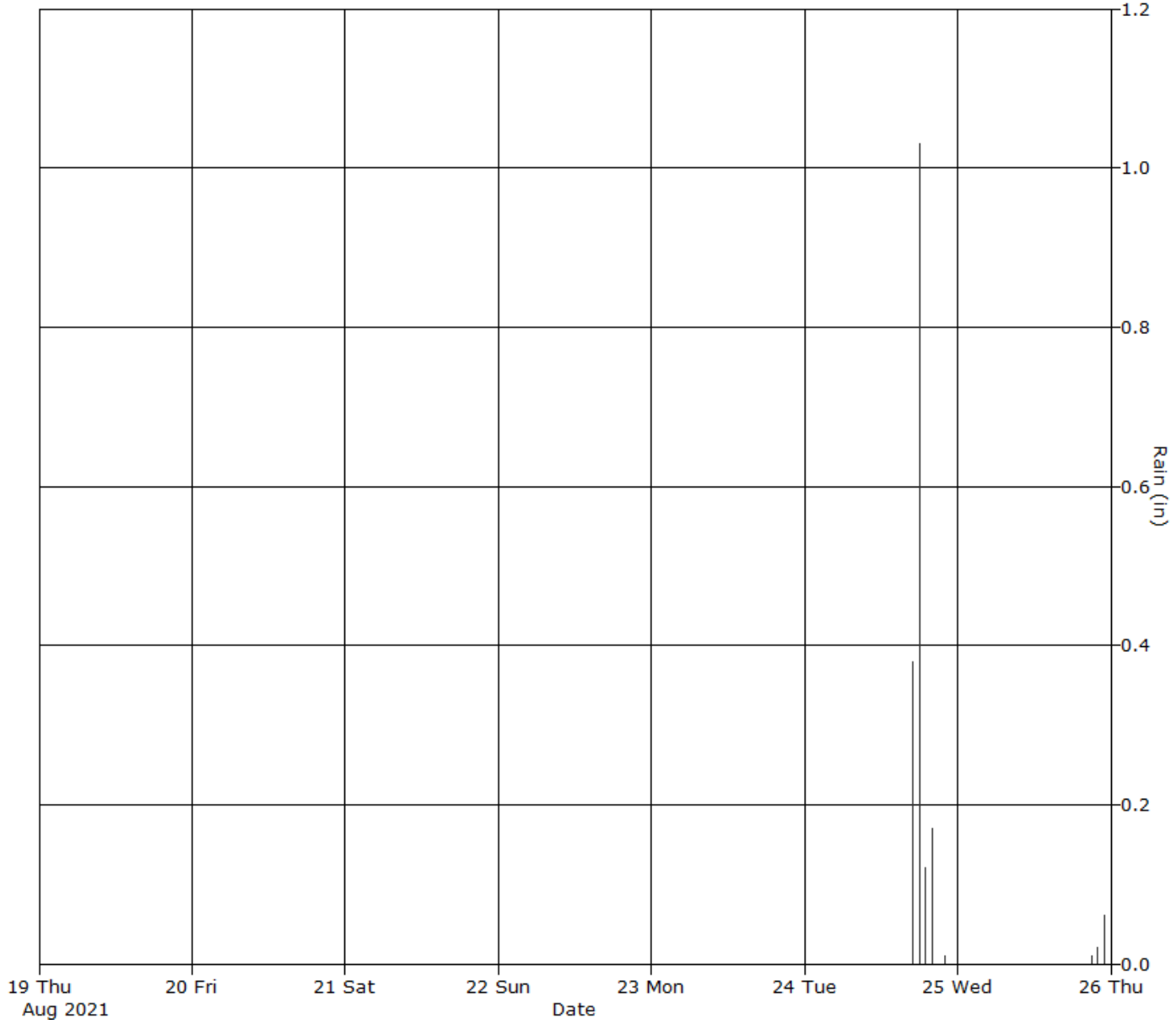
EVANSTON_EVRG0221

Report Period

8/19/2021
To
8/25/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_EVRG0221

Rain Gauge

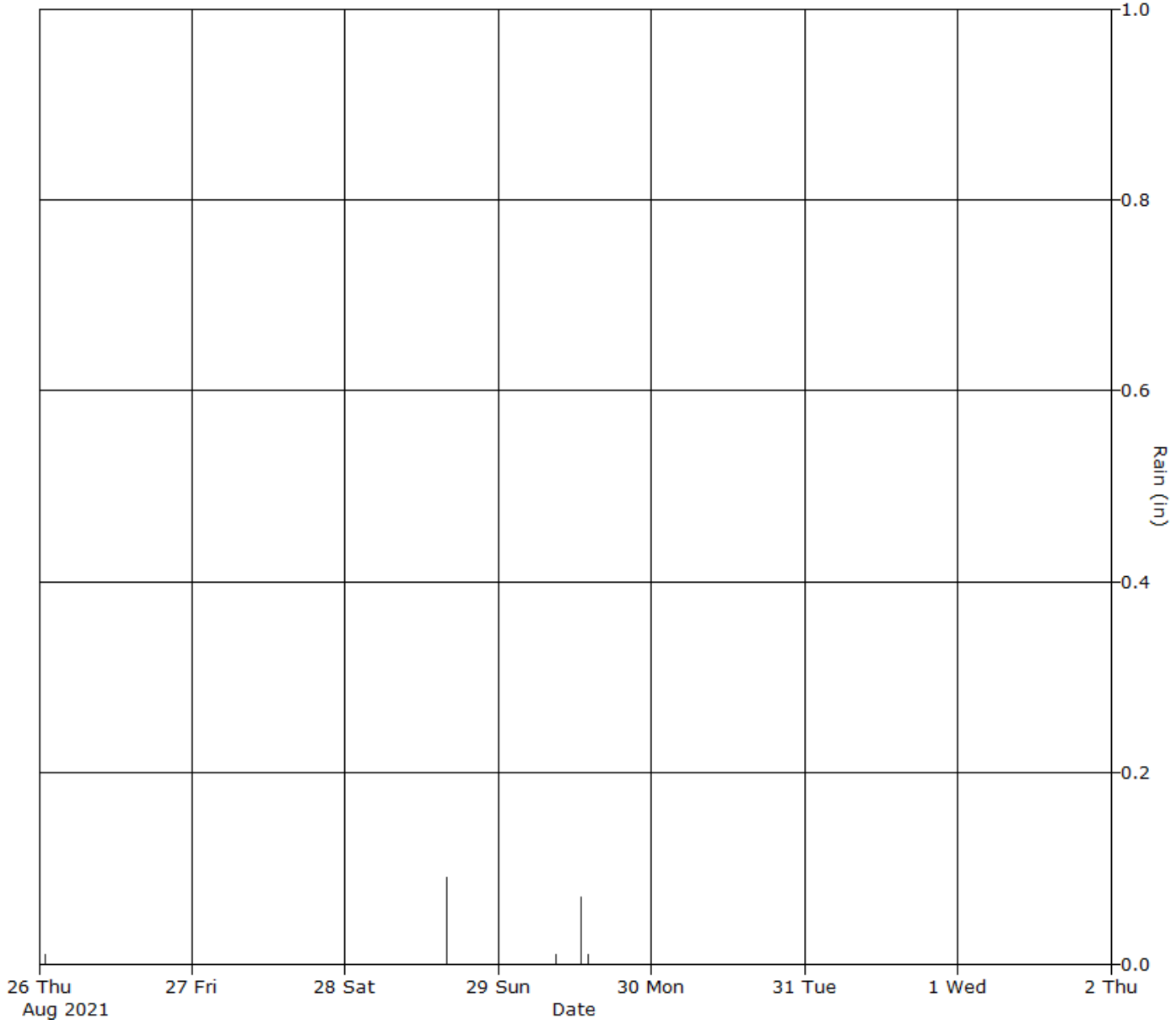
EVANSTON_EVRG0221

Report Period

8/26/2021
To
8/31/2021

Legend

Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_EVRG0221 , Silt: --

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.22
04/09/2021																	
04/10/2021																	0.58
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021																	
04/17/2021																	
04/18/2021																	
04/19/2021																	
04/20/2021																	
04/21/2021																	0.02
04/22/2021																	
04/23/2021																	
04/24/2021																	
04/25/2021																	
04/26/2021																	
04/27/2021																	
04/28/2021																	0.03
04/29/2021																	0.07
04/30/2021																	
05/01/2021																	
05/02/2021																	
05/03/2021																	0.11
05/04/2021																	0.01
05/05/2021																	
05/06/2021																	0.05
05/07/2021																	
05/08/2021																	
05/09/2021																	0.05
05/10/2021																	
05/11/2021																	
05/12/2021																	
05/13/2021																	
05/14/2021																	
05/15/2021																	0.01
05/16/2021																	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021																	
05/18/2021																	0.09
05/19/2021																	0.10
05/20/2021																	
05/21/2021																	
05/22/2021																	
05/23/2021																	0.10
05/24/2021																	
05/25/2021																	
05/26/2021																	1.46
05/27/2021																	0.03
05/28/2021																	0.23
05/29/2021																	
05/30/2021																	
05/31/2021																	
06/01/2021																	
06/02/2021																	
06/03/2021																	
06/04/2021																	
06/05/2021																	
06/06/2021																	
06/07/2021																	
06/08/2021																	
06/09/2021																	
06/10/2021																	
06/11/2021																	
06/12/2021																	0.62
06/13/2021																	
06/14/2021																	
06/15/2021																	
06/16/2021																	
06/17/2021																	
06/18/2021																	0.38
06/19/2021																	
06/20/2021																	1.78
06/21/2021																	0.03
06/22/2021																	
06/23/2021																	
06/24/2021																	0.31
06/25/2021																	0.03
06/26/2021																	0.01
06/27/2021																	0.02
06/28/2021																	0.02
06/29/2021																	0.02
06/30/2021																	0.02
07/01/2021																	0.01
07/02/2021																	0.01
07/03/2021																	
07/04/2021																	
07/05/2021																	
07/06/2021																	
07/07/2021																	
07/08/2021																	
07/09/2021																	
07/10/2021																	

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021																	
07/12/2021																	
07/13/2021																	
07/14/2021																	
07/15/2021																	0.37
07/16/2021																	0.32
07/17/2021																	
07/18/2021																	
07/19/2021																	
07/20/2021																	
07/21/2021																	
07/22/2021																	
07/23/2021																	0.01
07/24/2021																	0.08
07/25/2021																	
07/26/2021																	
07/27/2021																	
07/28/2021																	0.01
07/29/2021																	0.10
07/30/2021																	
07/31/2021																	
08/01/2021																	
08/02/2021																	
08/03/2021																	
08/04/2021																	
08/05/2021																	
08/06/2021																	0.13
08/07/2021																	
08/08/2021																	0.01
08/09/2021																	1.42
08/10/2021																	0.91
08/11/2021																	0.08
08/12/2021																	
08/13/2021																	
08/14/2021																	
08/15/2021																	
08/16/2021																	
08/17/2021																	
08/18/2021																	
08/19/2021																	
08/20/2021																	
08/21/2021																	
08/22/2021																	
08/23/2021																	
08/24/2021																	1.71
08/25/2021																	0.09
08/26/2021																	0.01
08/27/2021																	
08/28/2021																	0.09
08/29/2021																	0.09
08/30/2021																	
08/31/2021																	

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Rain (in)
Total	11.87
Avg	

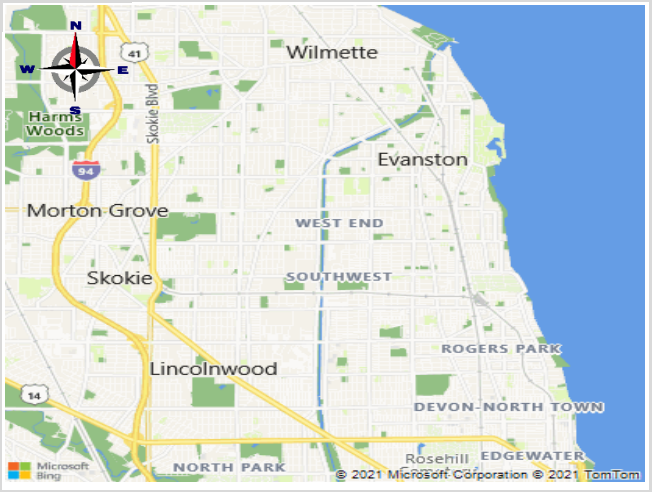
Evanston, IL

Flow Monitoring Site Report

SITE NAME

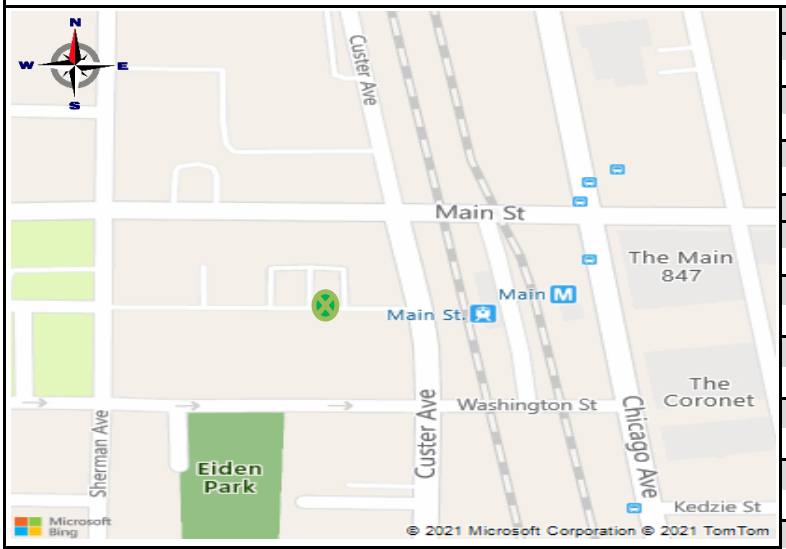
DEMOMAIN

Site Address /Location:	706 Main St (behind building)			Monitor Series: ECHO	Location Type: Temporary
Site Access Details:	in alley	Latitude:	42.0333977	Pipe Size (H x W)	Pipe Shape
		Longitude:	-87.68092		



Manhole #	System Characteristics
	Other
Access	Traffic
Drive	Light







ADS Project Name:	Evanston.Hey.TFM.IL.21
ADS Project Number:	35536.11

Installation Information

Installation Date:	Installation Type:
Thursday, May 06, 2021	Level Only
Monitoring Location (Sensors):	Monitor Location:
Utility Pole	Street
Sensors / Devices:	Pressure Sensor Range (psi)
LRD (Long Range Depth)	

Installation Confirmation:

Confirmation Time:	Pipe Size (HxW)
4:40:00 PM	
Depth of Flow (Wet DOF) (in)	Range (Air DOF) (in)
0.00	
Downlooker Physical Offset (in)	Measurement Confidence (in)
	0.38"
Peak Velocity (fps)	Velocity Sensor Offset (in)
Silt (in)	Silt Type

Hydraulic Comments:

Manhole / Pipe Information:

Manhole Depth (Approx. FT):	Manhole Configuration
Manhole Material:	Manhole Condition:
Manhole Opening Diameter (in)	Manhole Diameter (Approx.):
Manhole Cover	Manhole Frame
Active Drop Connections	Air Quality:
Pipe Material	Pipe Condition:

Communication Information:

Communication Type	Antenna Location
Wireless	Meter

Additional Site Info. / Comments:

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

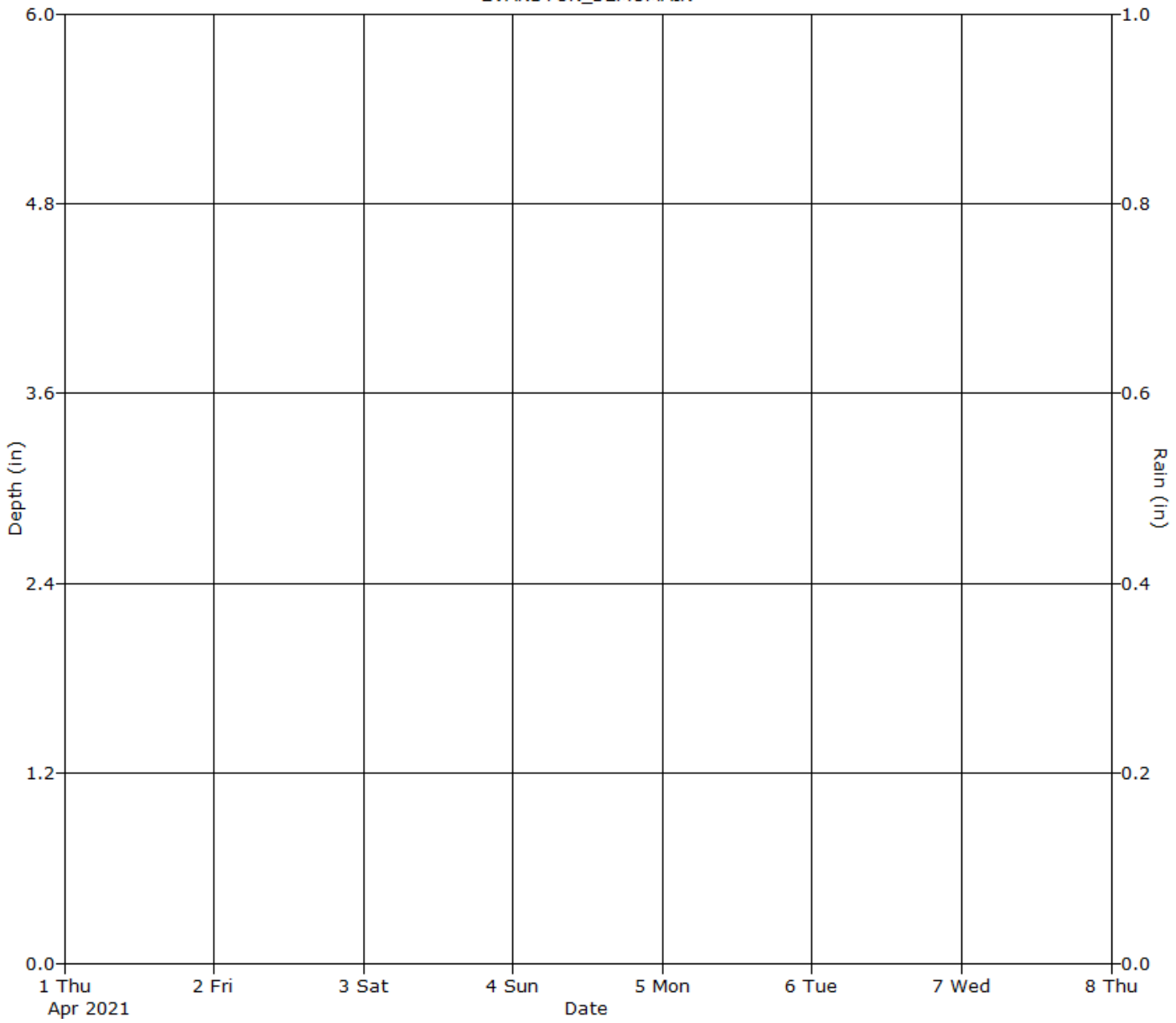
EVANSTON_DEMOMAIN

Report Period

4/1/2021
To
4/7/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

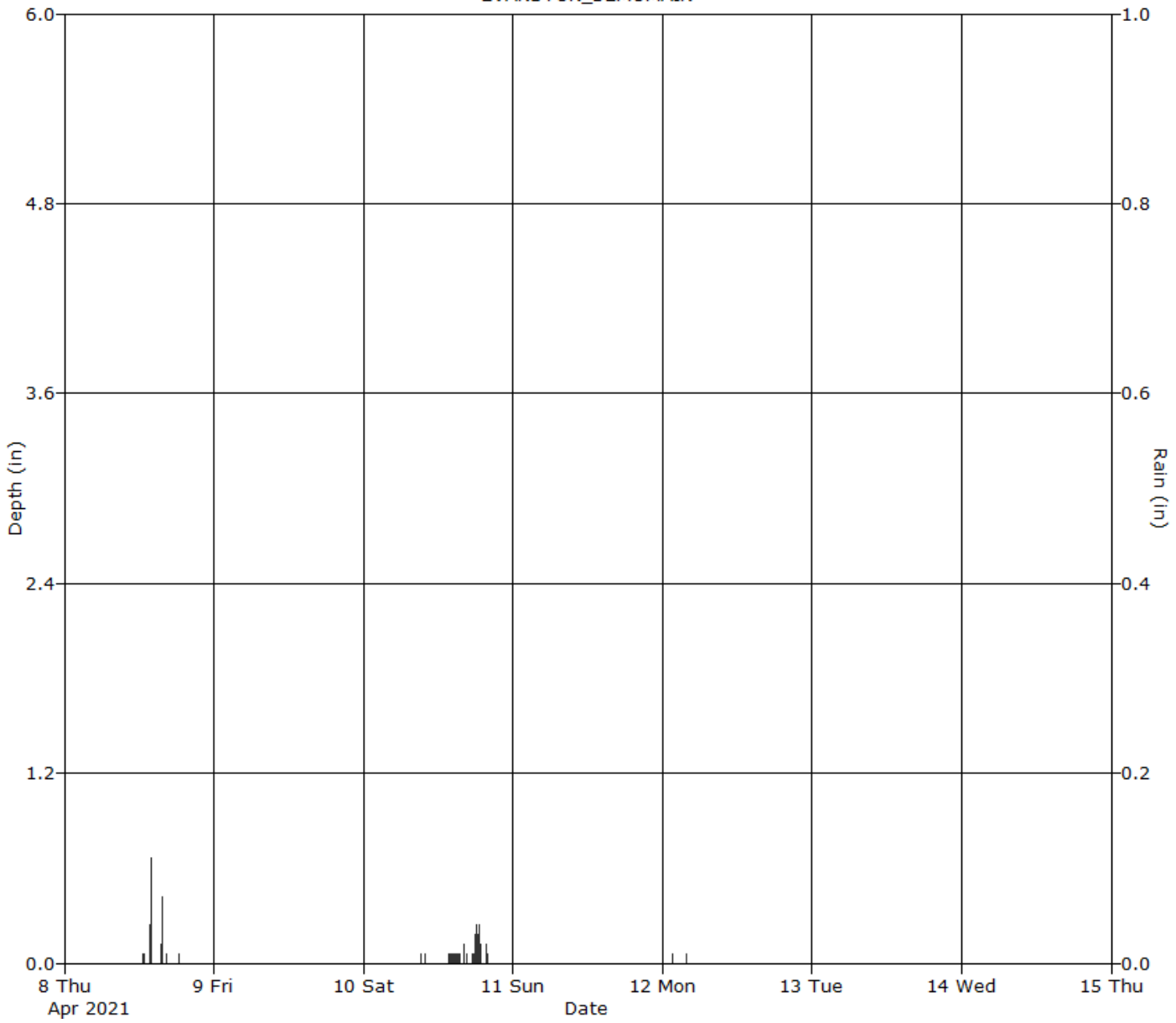
EVANSTON_DEMOMAIN

Report Period

4/8/2021
To
4/14/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

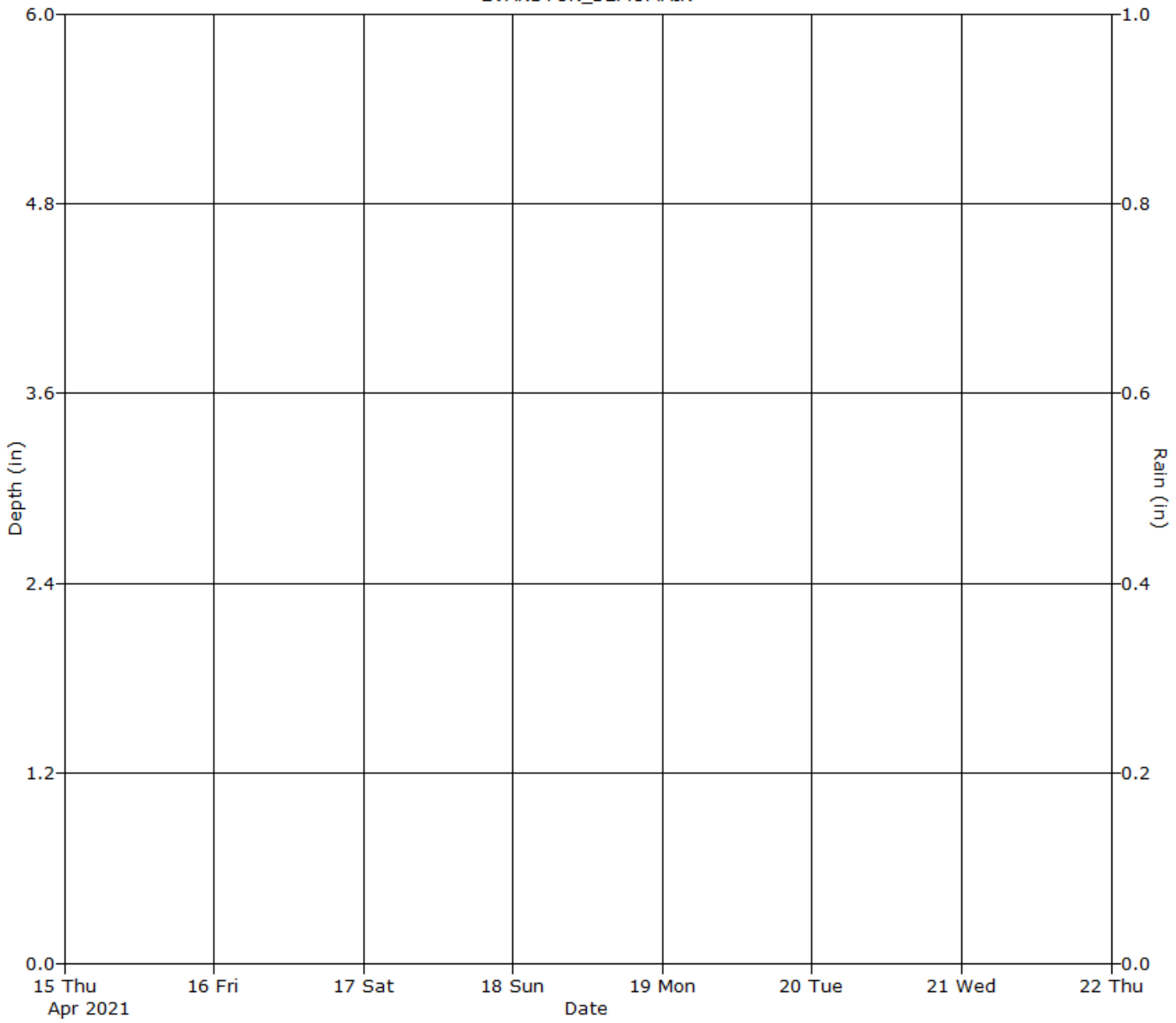
EVANSTON_DEMOMAIN

Report Period

4/15/2021
To
4/21/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

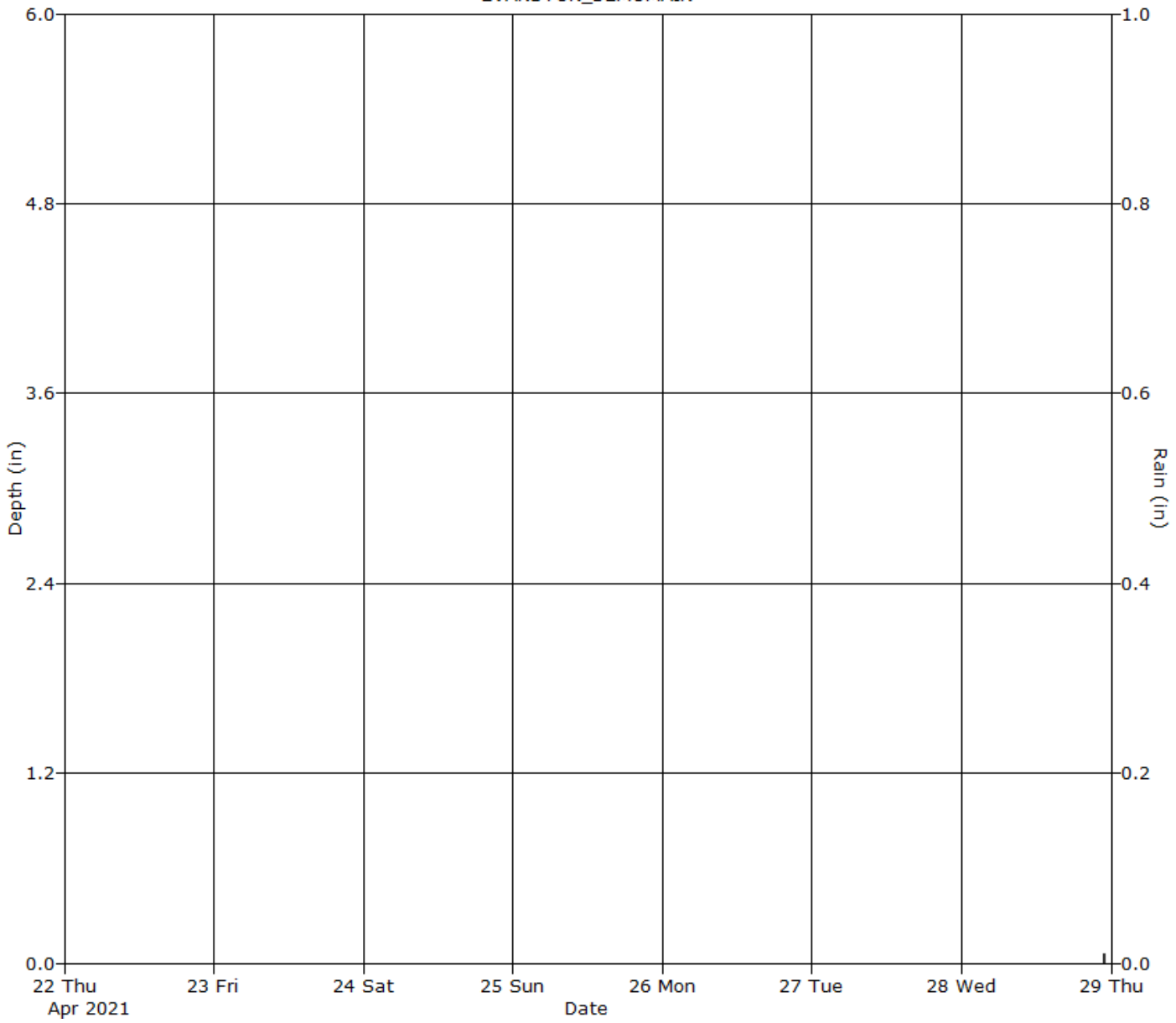
EVANSTON_DEMOMAIN

Report Period

4/22/2021
To
4/28/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

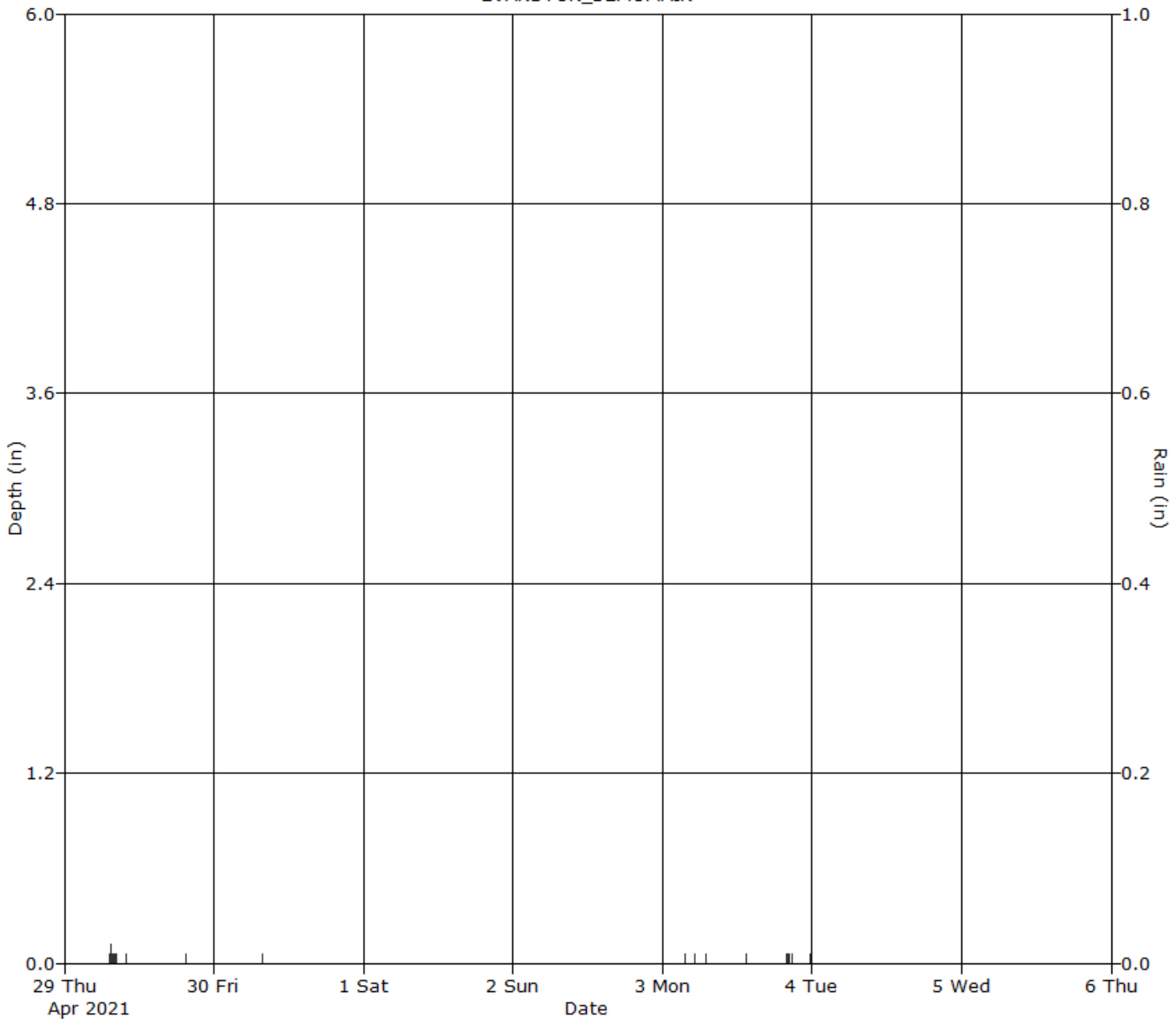
EVANSTON_DEMOMAIN

Report Period

4/29/2021
To
5/5/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

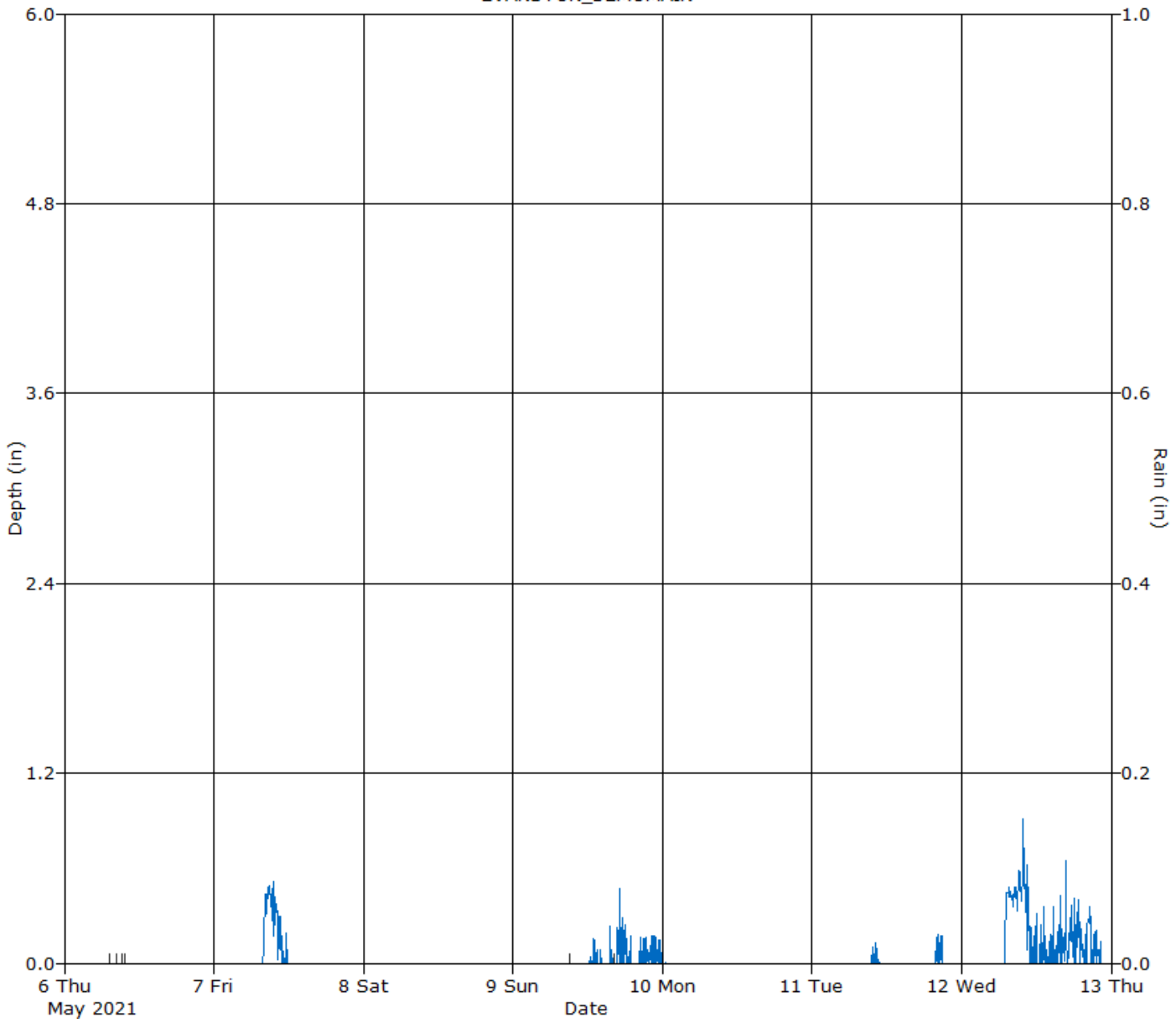
EVANSTON_DEMOMAIN

Report Period

5/6/2021
To
5/12/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

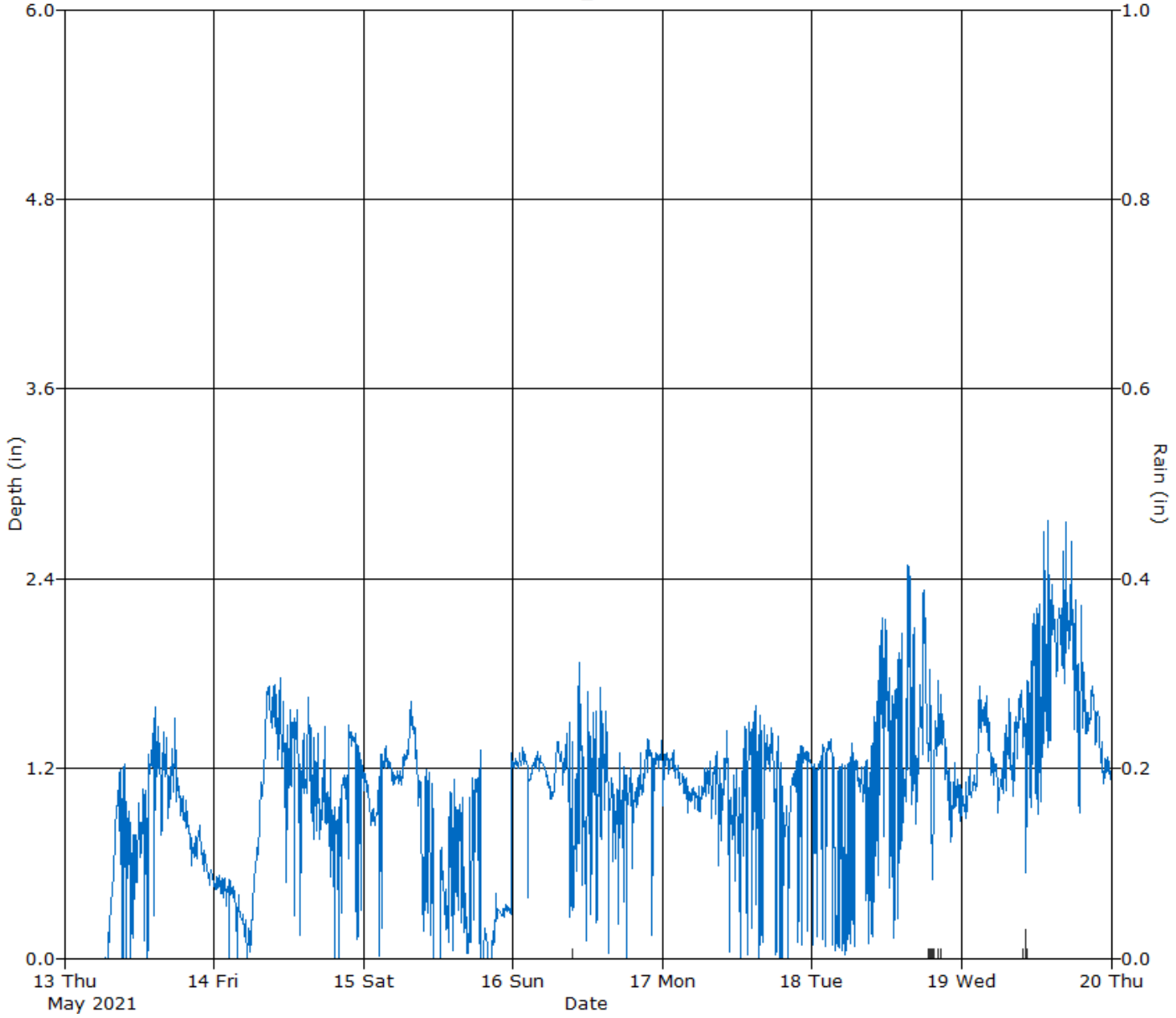
EVANSTON_DEMOMAIN

Report Period

5/13/2021
To
5/19/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

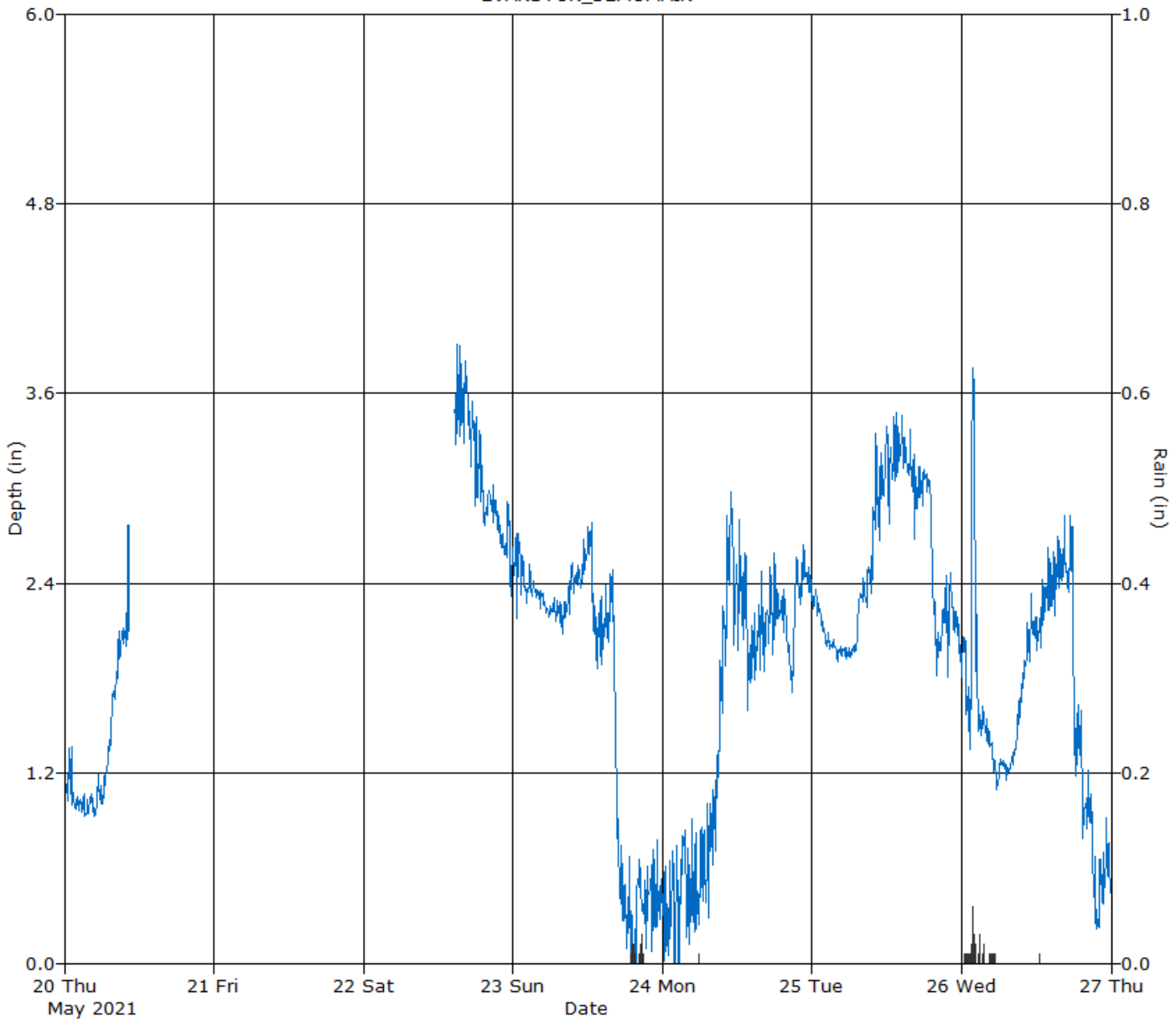
EVANSTON_DEMOMAIN

Report Period

5/20/2021
To
5/26/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

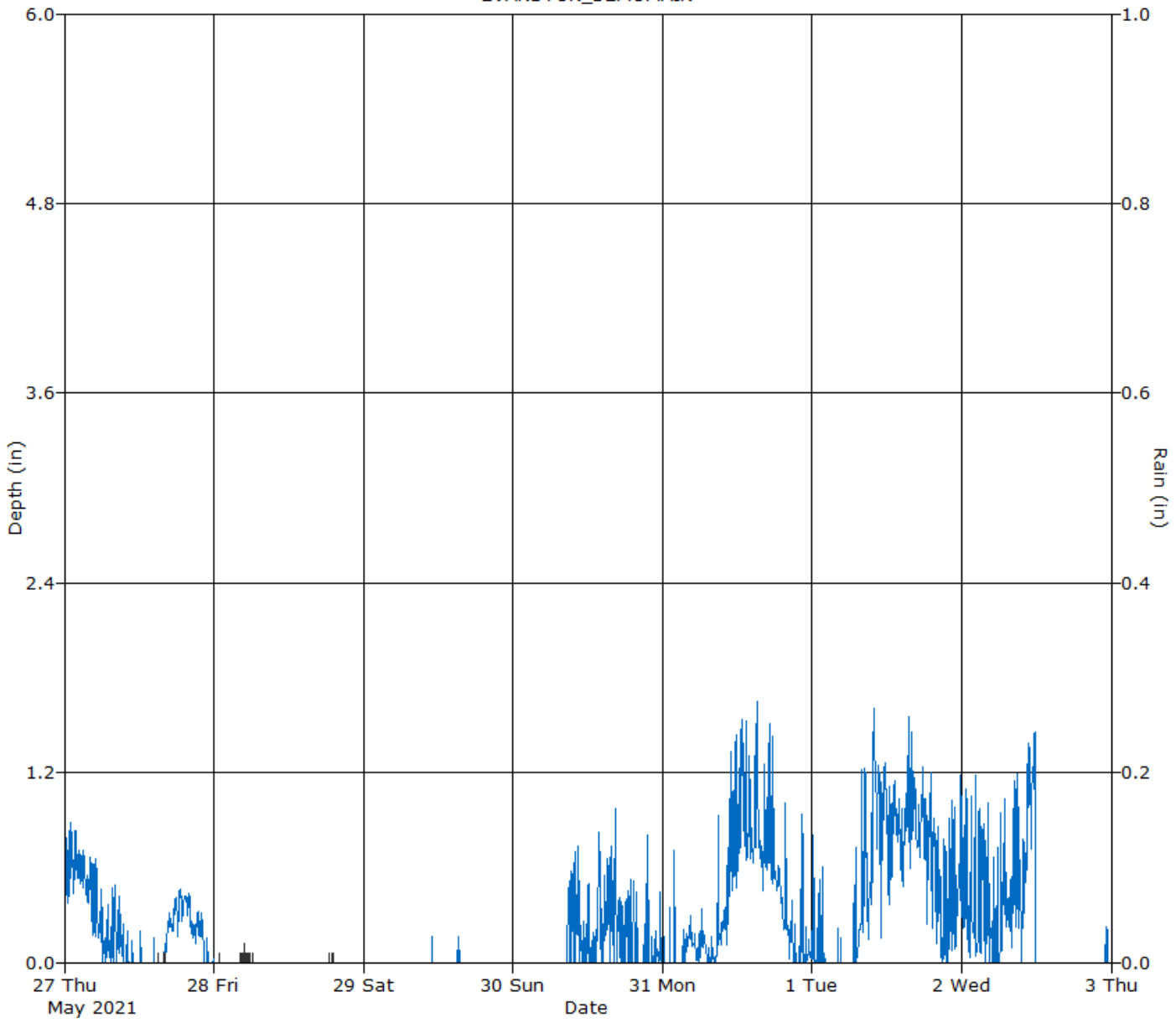
EVANSTON_DEMOMAIN

Report Period

5/27/2021
To
6/2/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

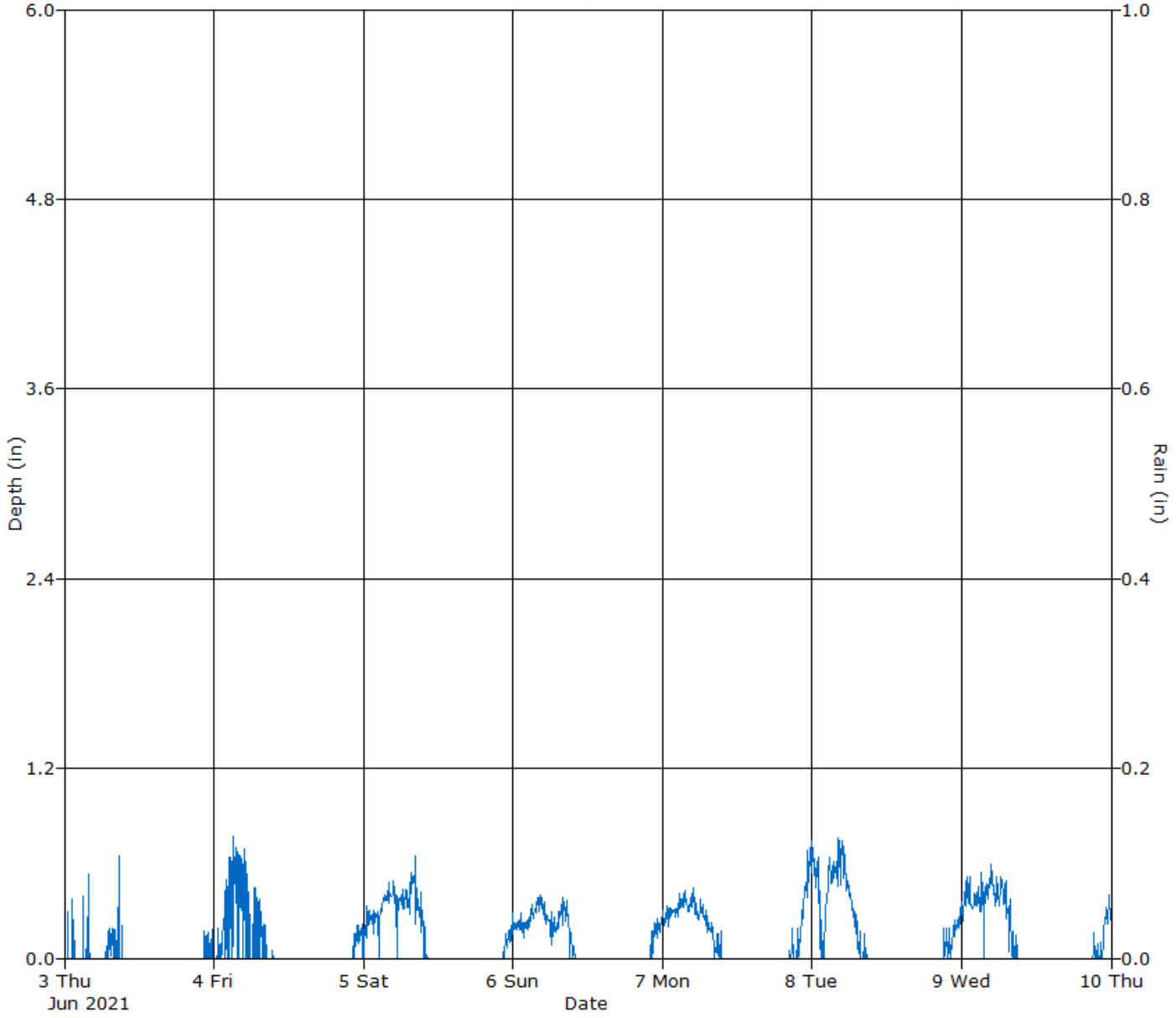
EVANSTON_DEMOMAIN

Report Period

6/3/2021
To
6/9/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

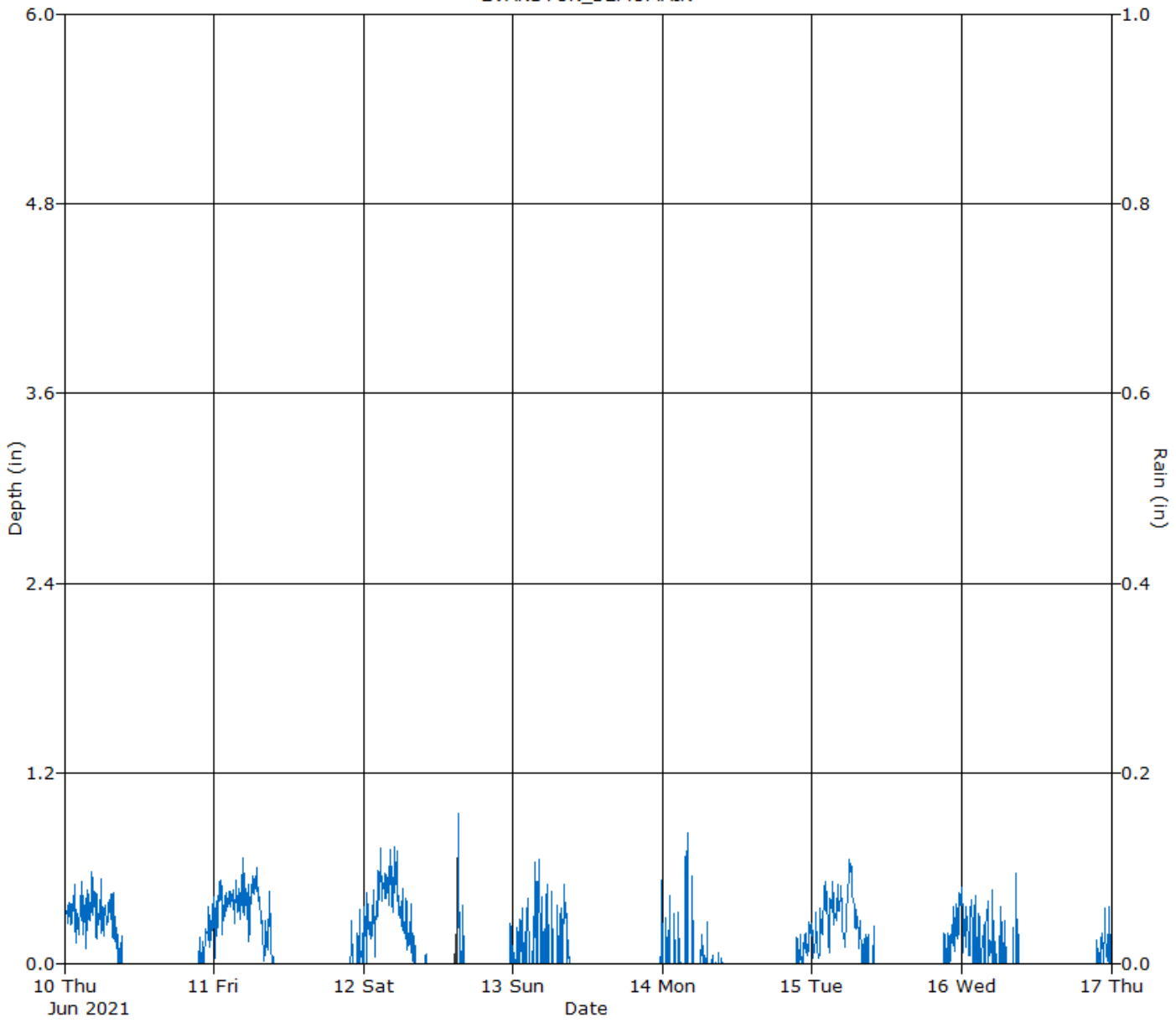
EVANSTON_DEMOMAIN

Report Period

6/10/2021
To
6/16/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

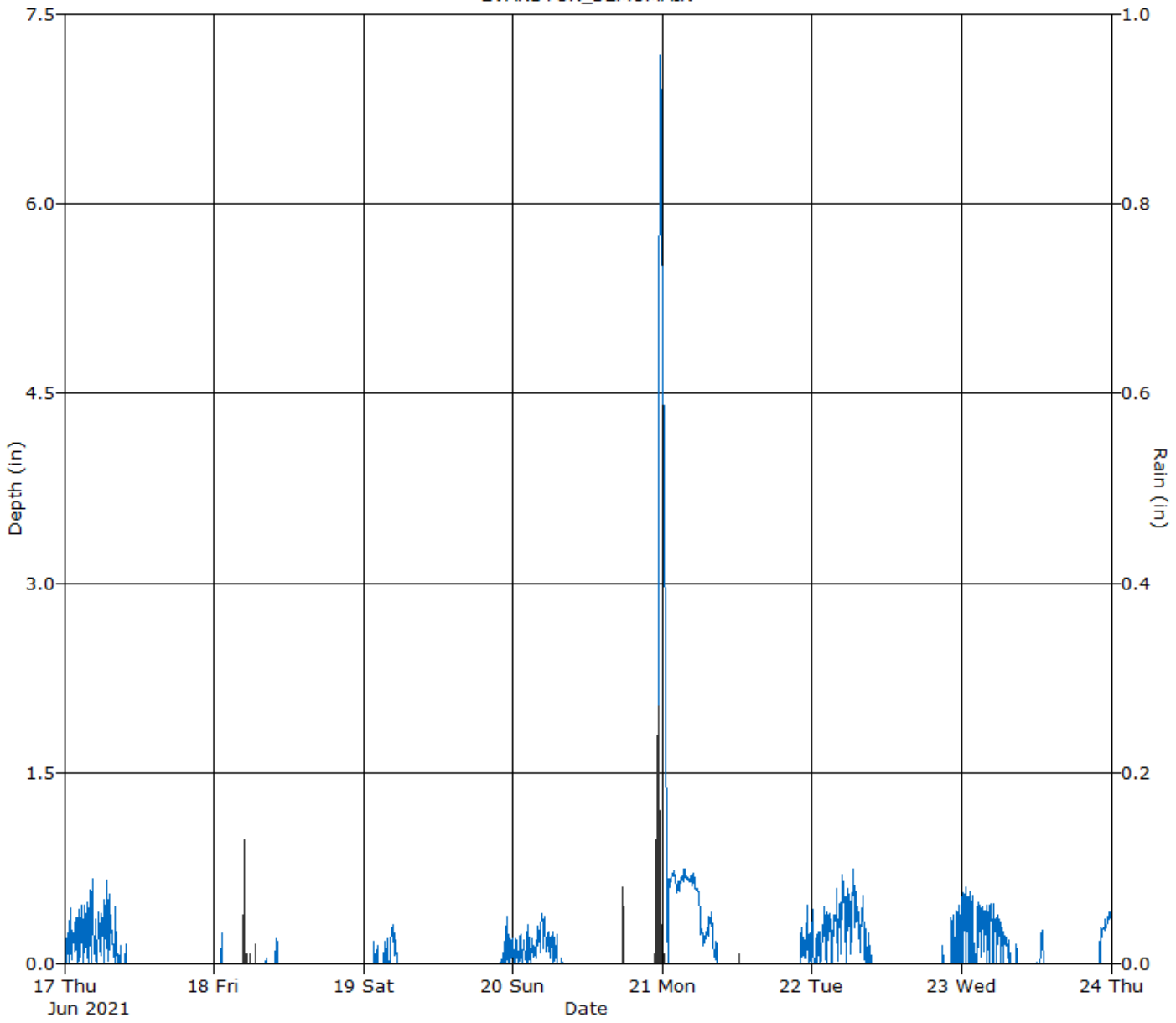
EVANSTON_DEMOMAIN

Report Period

6/17/2021
To
6/23/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

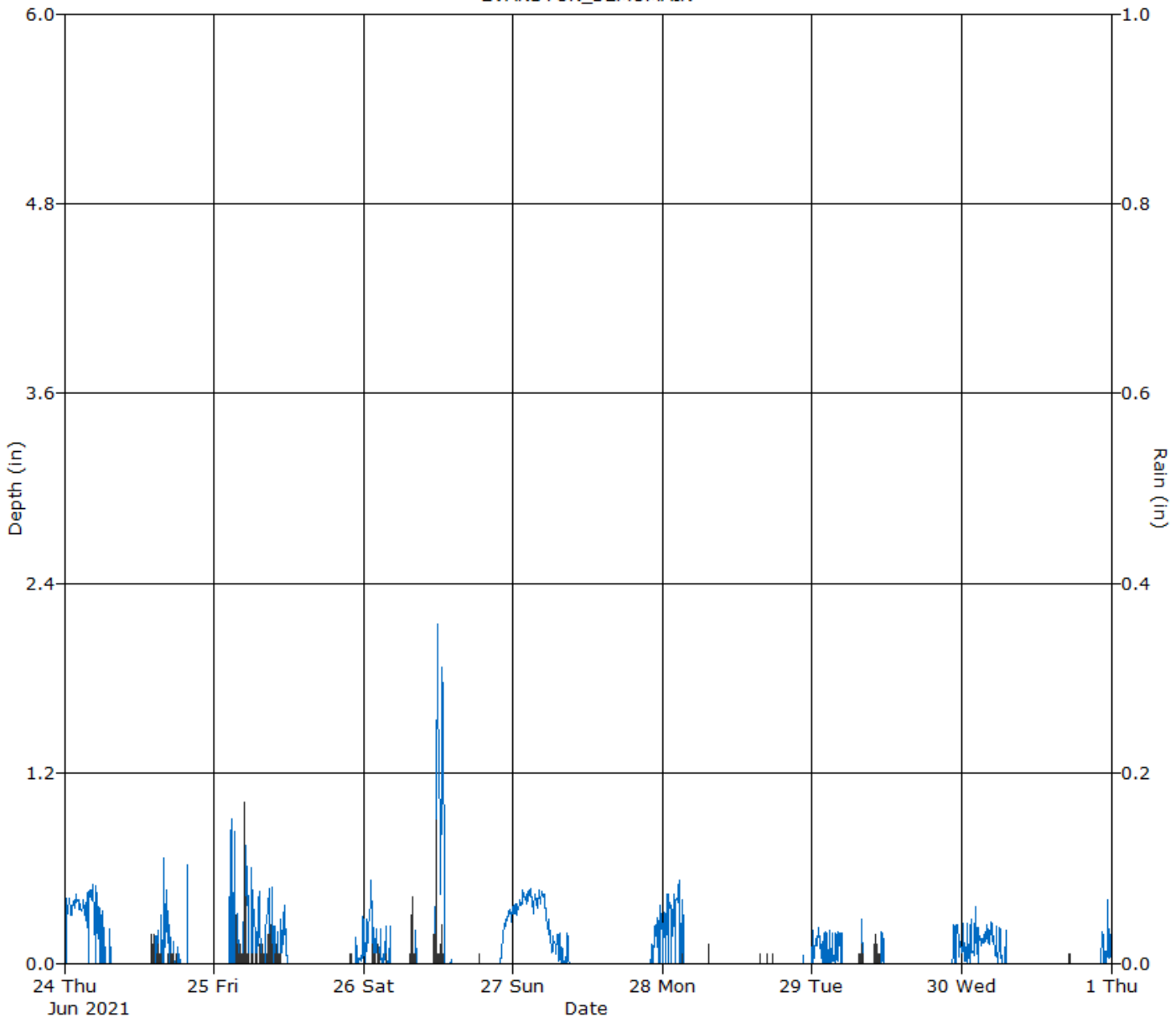
EVANSTON_DEMOMAIN

Report Period

6/24/2021
To
6/30/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

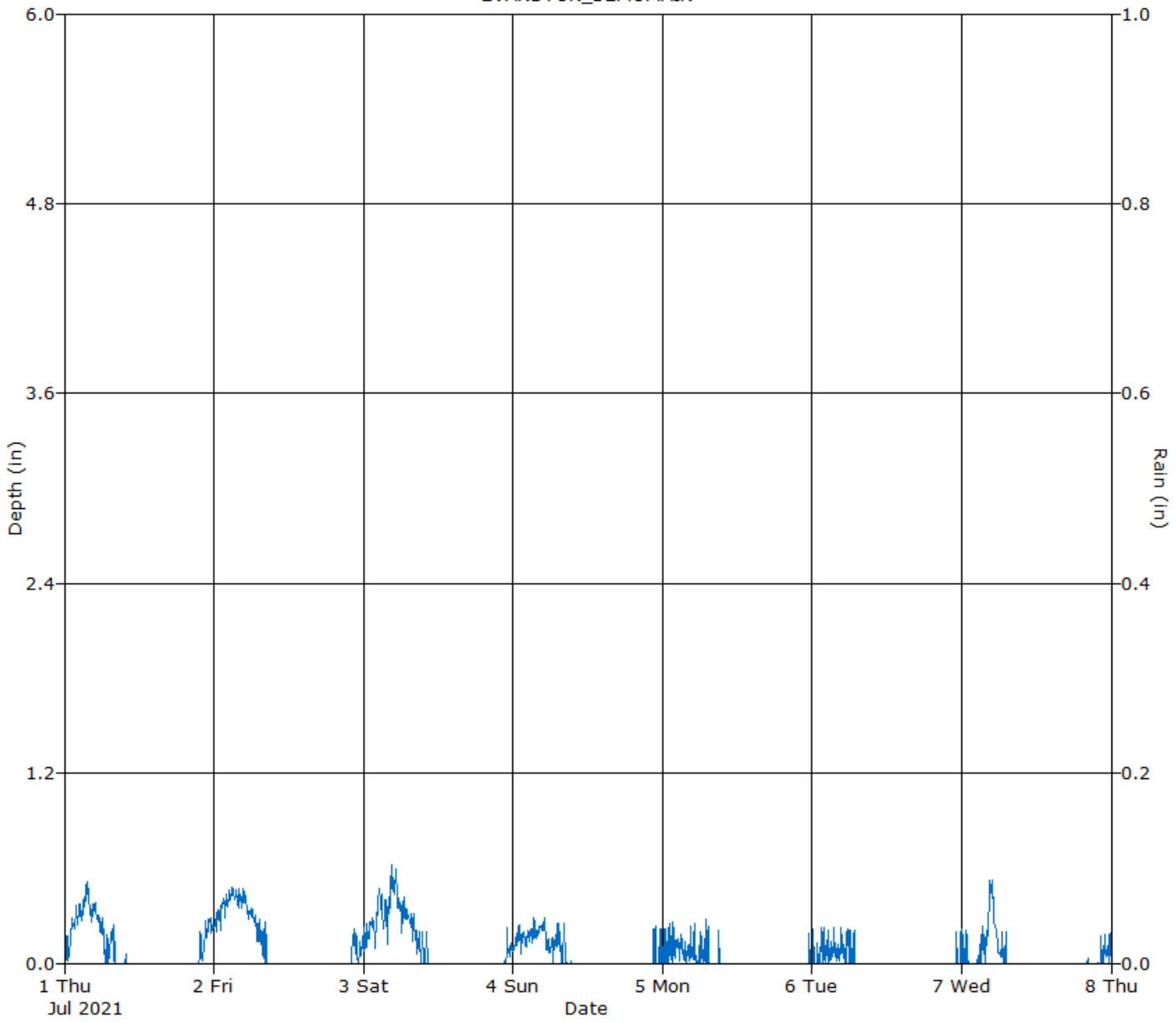
EVANSTON_DEMOMAIN

Report Period

7/1/2021
To
7/7/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

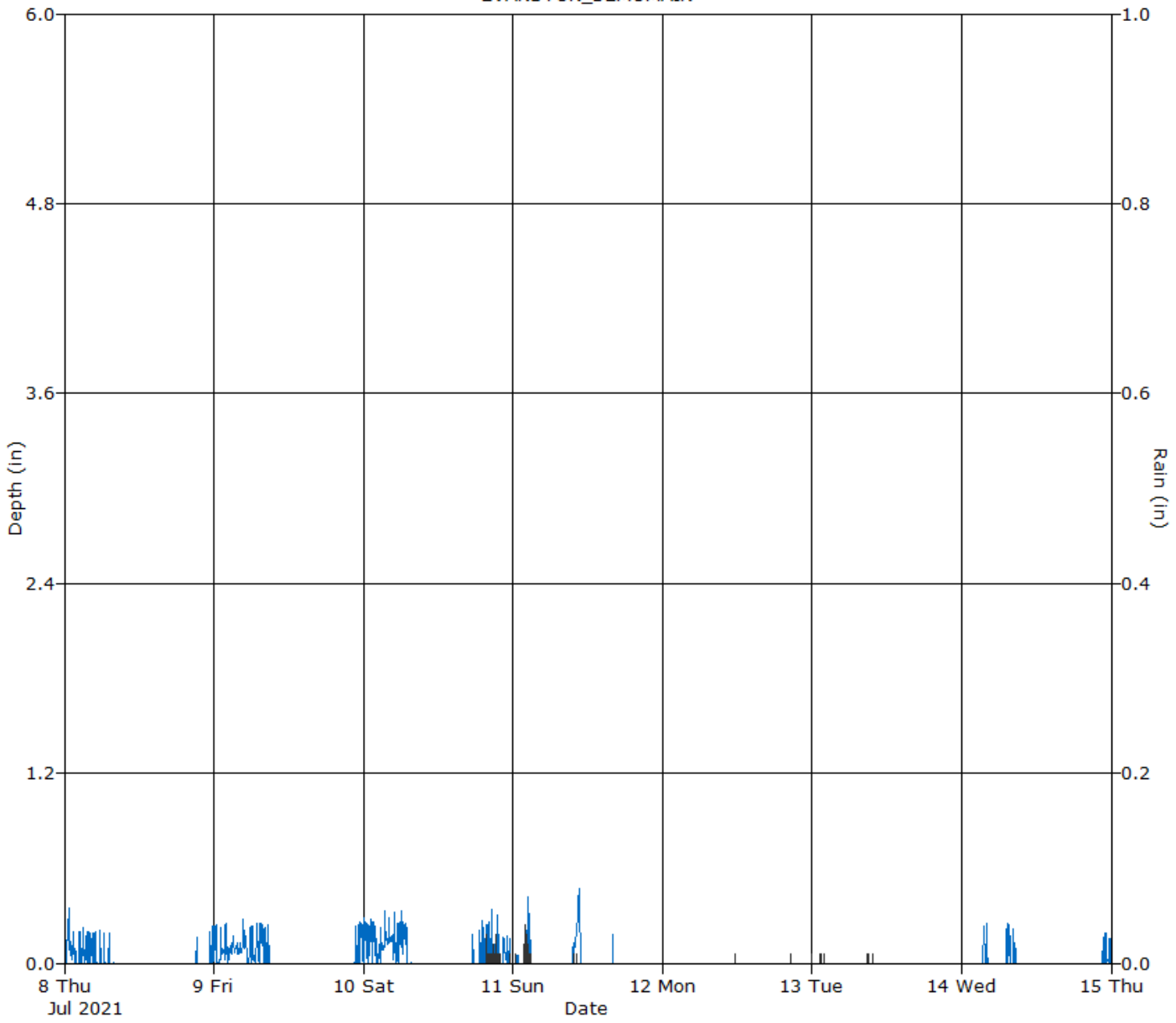
EVANSTON_DEMOMAIN

Report Period

7/8/2021
To
7/14/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

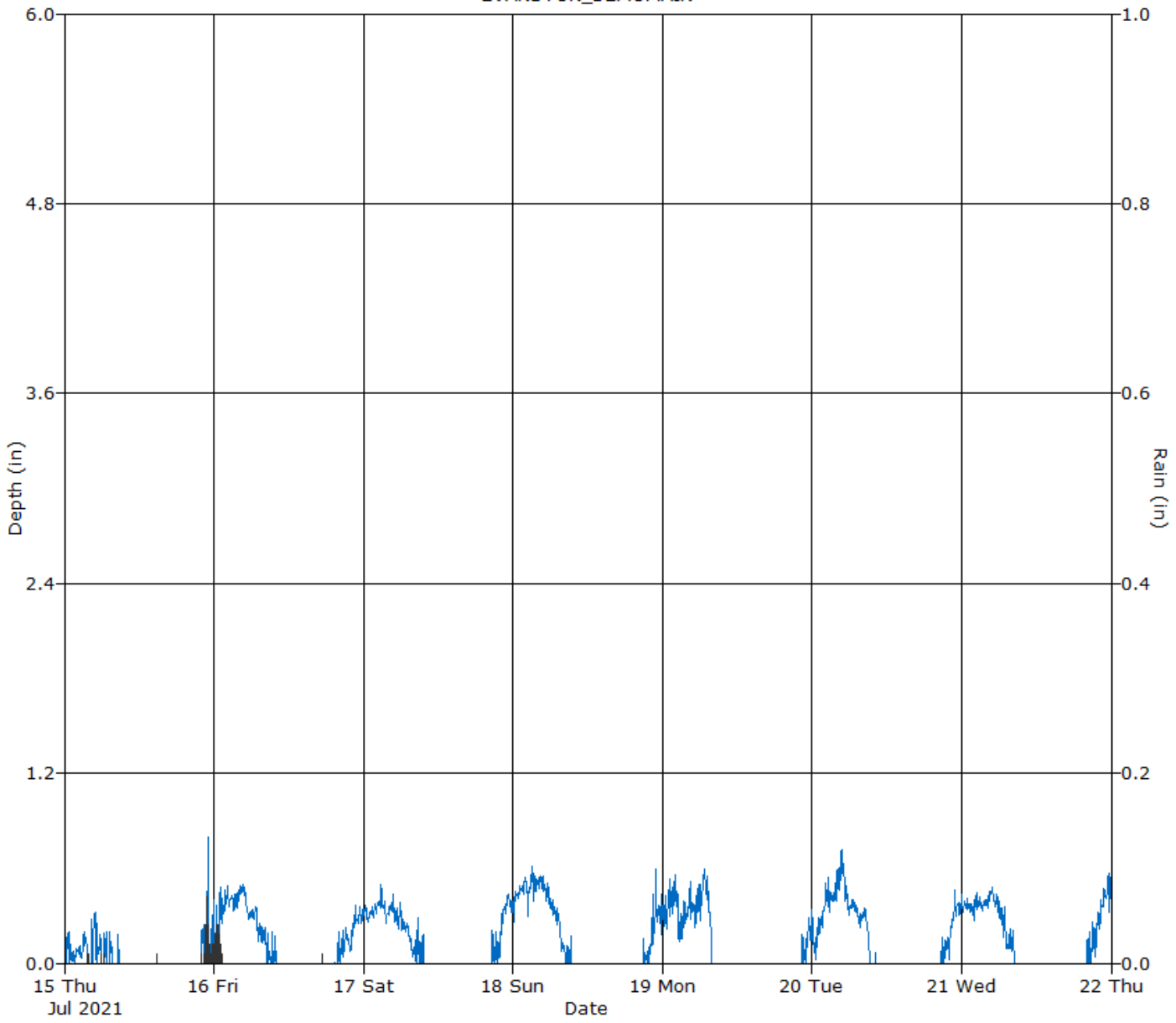
EVANSTON_DEMOMAIN

Report Period

7/15/2021
To
7/21/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

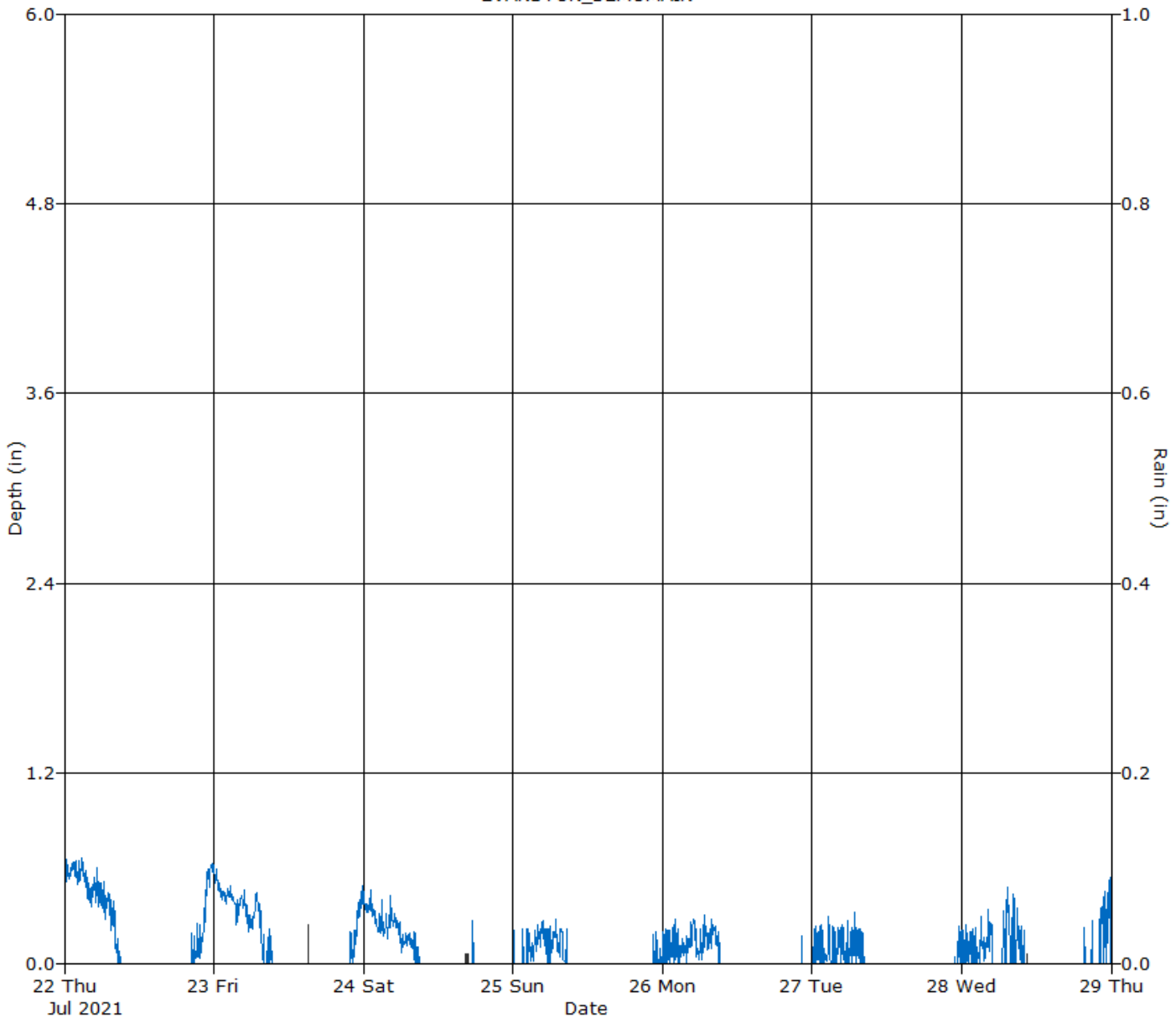
EVANSTON_DEMOMAIN

Report Period

7/22/2021
To
7/28/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

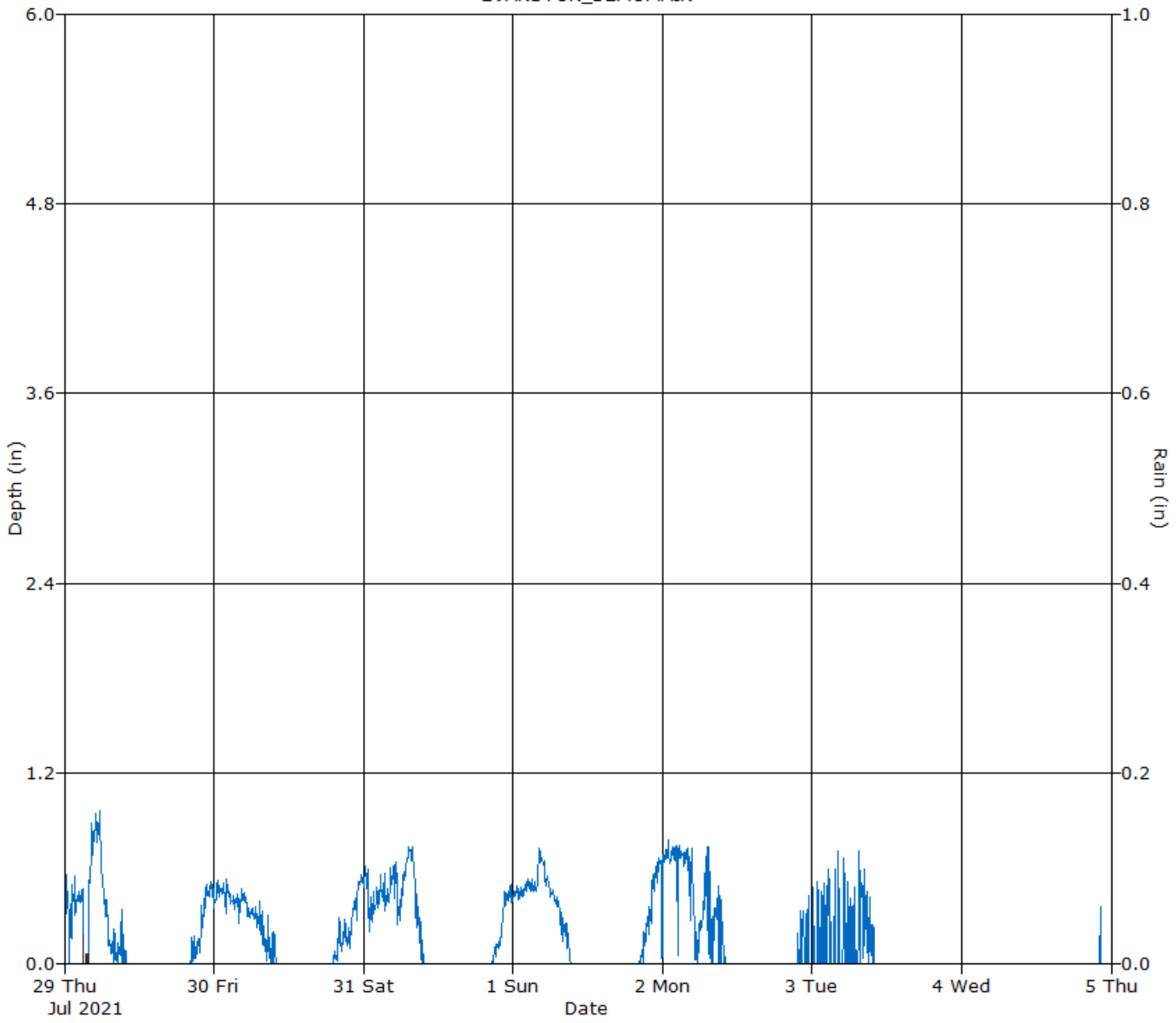
EVANSTON_DEMOMAIN

Report Period

7/29/2021
To
8/4/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

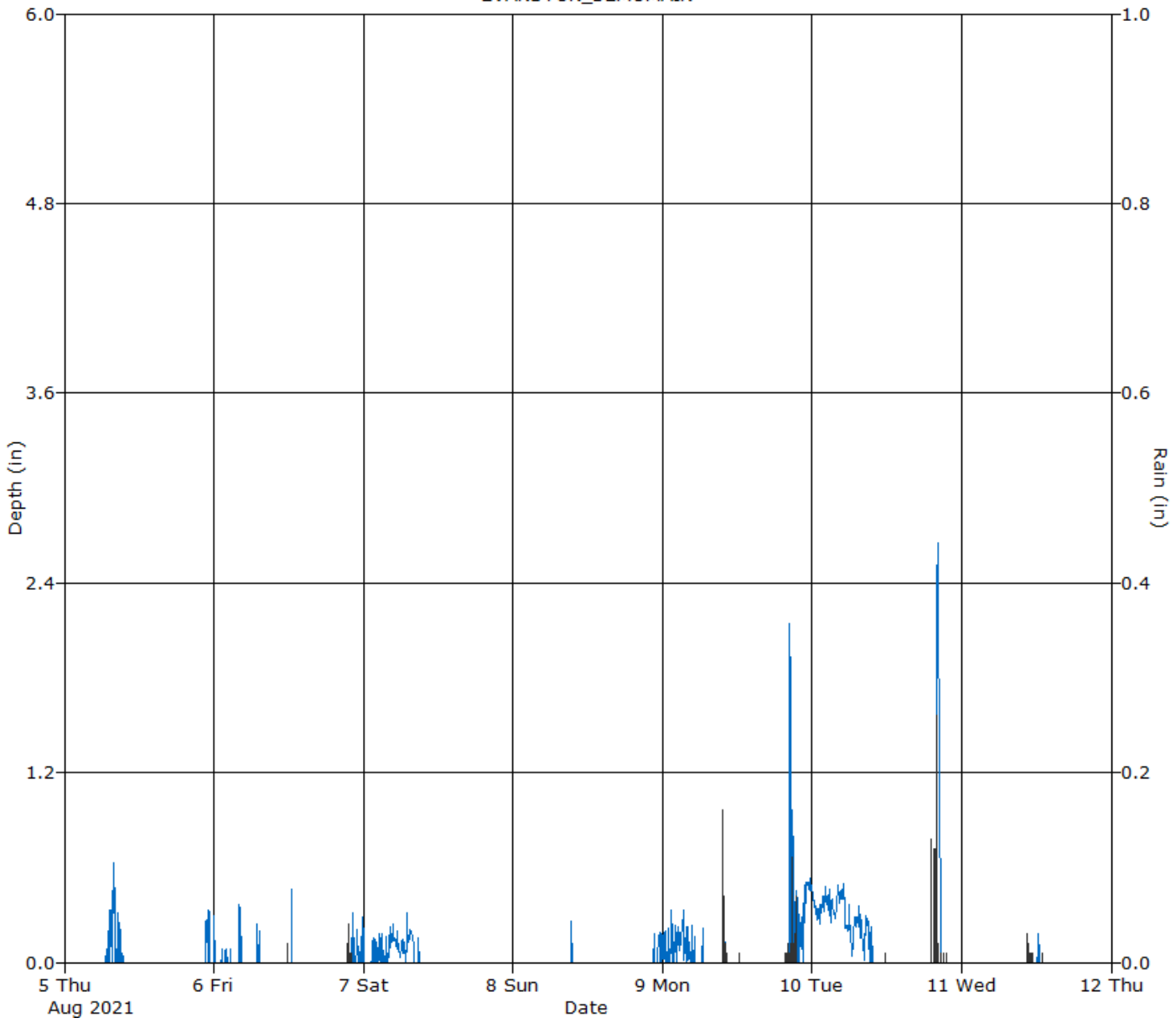
EVANSTON_DEMOMAIN

Report Period

8/5/2021
To
8/11/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

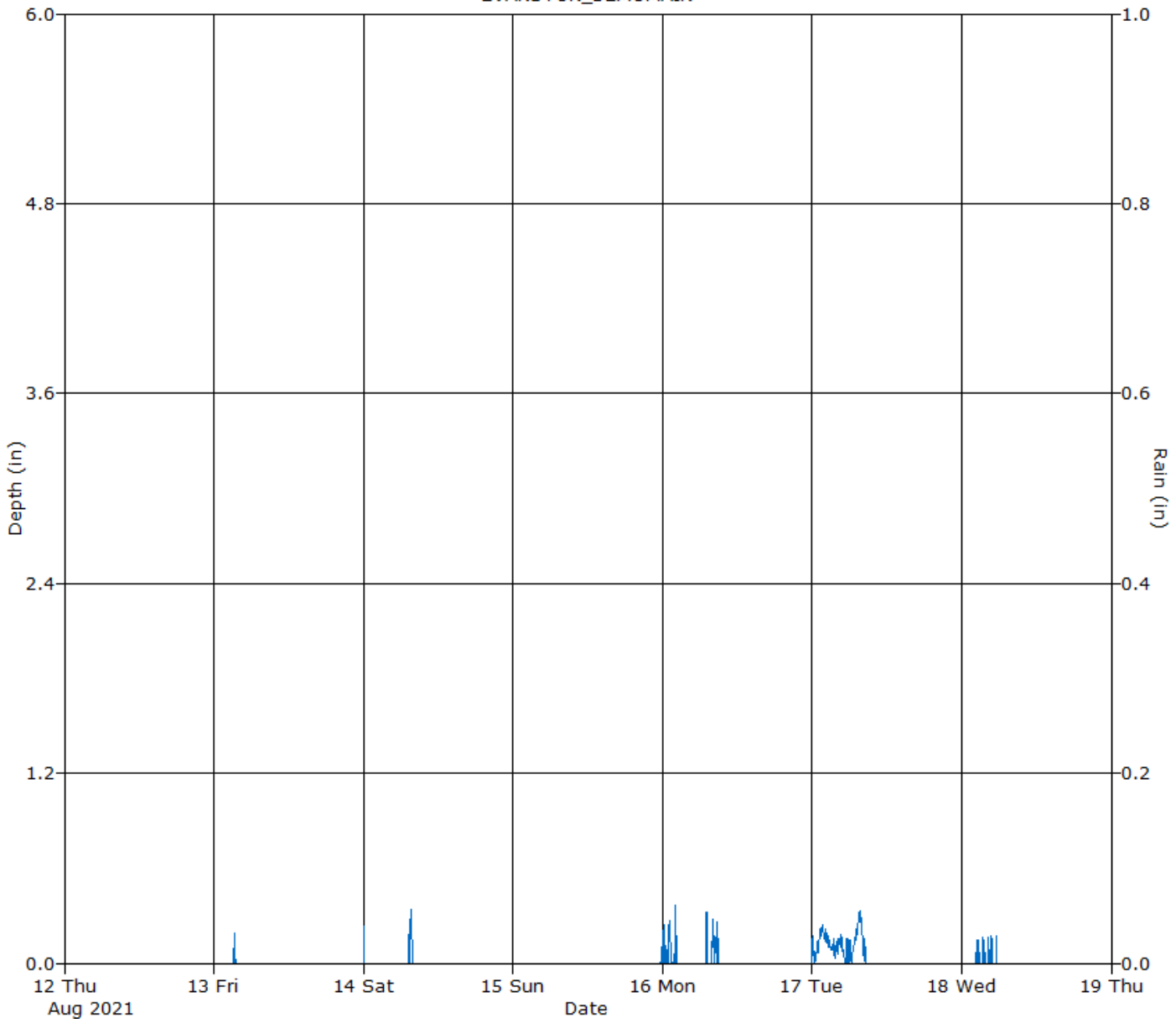
EVANSTON_DEMOMAIN

Report Period

8/12/2021
To
8/18/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

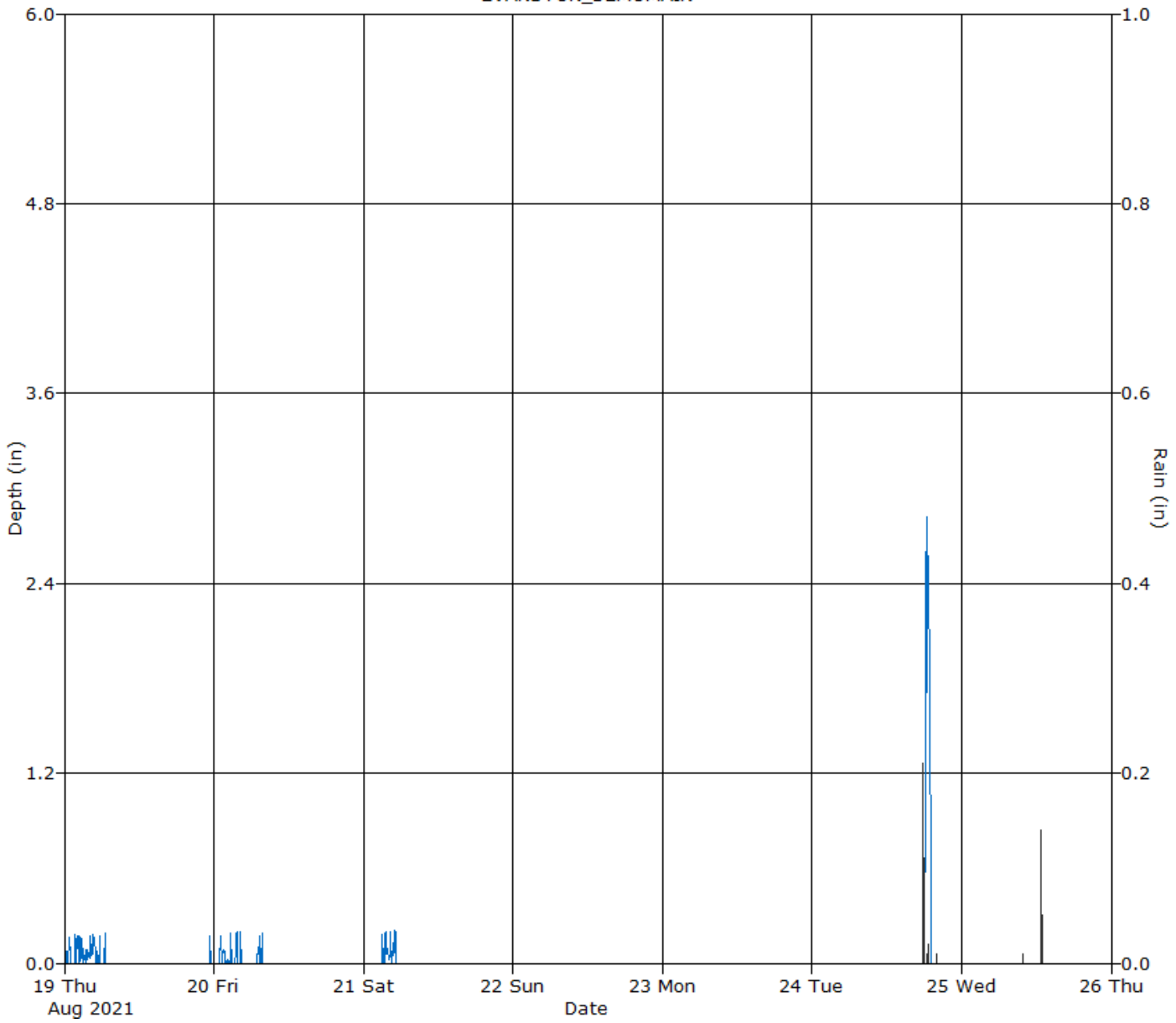
EVANSTON_DEMOMAIN

Report Period

8/19/2021
To
8/25/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

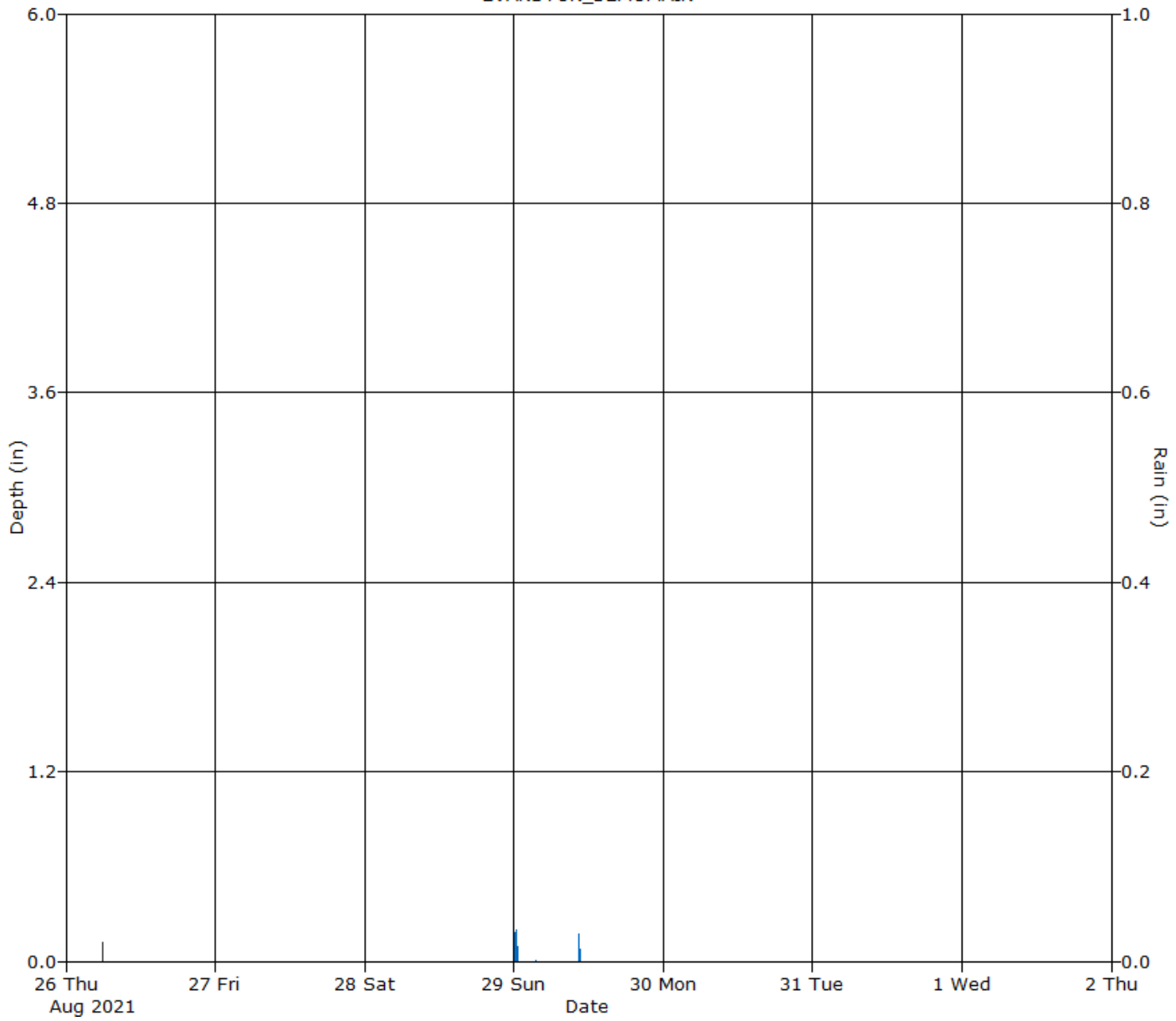
EVANSTON_DEMOMAIN

Report Period

8/26/2021
To
8/31/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

HYDROGRAPH REPORT

EVANSTON_DEMOMAIN

Flow Monitor

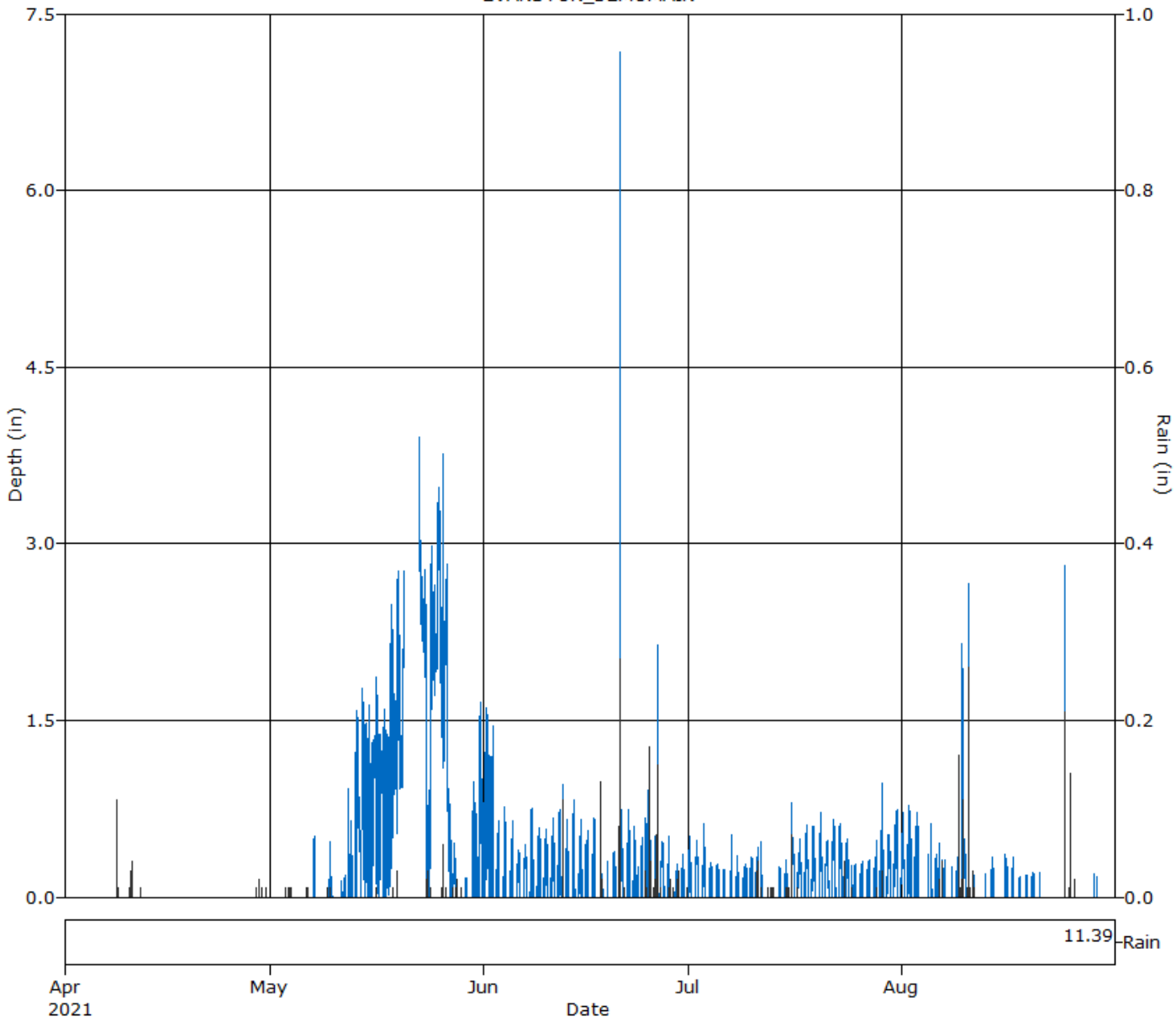
EVANSTON_DEMOMAIN

Report Period

4/1/2021
To
8/31/2021

Legend

Depth
Rain



ADS ENVIRONMENTAL SERVICES

Daily Tabular Report For The Period 04/01/2021 00:00 - 08/31/2021 23:59

EVANSTON_DEMOMAIN , Silt: --

Daily Tabular Report

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
04/01/2021																	
04/02/2021																	
04/03/2021																	
04/04/2021																	
04/05/2021																	
04/06/2021																	
04/07/2021																	
04/08/2021																	0.40
04/09/2021																	
04/10/2021																	0.52
04/11/2021																	
04/12/2021																	0.02
04/13/2021																	
04/14/2021																	
04/15/2021																	
04/16/2021																	
04/17/2021																	
04/18/2021																	
04/19/2021																	
04/20/2021																	
04/21/2021																	
04/22/2021																	
04/23/2021																	
04/24/2021																	
04/25/2021																	
04/26/2021																	
04/27/2021																	
04/28/2021																	0.03
04/29/2021																	0.16
04/30/2021																	0.01
05/01/2021																	
05/02/2021																	
05/03/2021																	0.11
05/04/2021																	
05/05/2021																	
05/06/2021	16:20	0.00	16:20	0.00	0.00												0.04
05/07/2021	00:00	0.00	09:30	0.52	0.04												
05/08/2021	00:00	0.00	00:00	0.00	0.00												
05/09/2021	00:00	0.00	17:10	0.47	0.02												0.02
05/10/2021	00:00	0.00	00:25	0.00	0.00												
05/11/2021	00:00	0.00	20:20	0.18	0.01												
05/12/2021	00:00	0.00	09:55	0.91	0.13												
05/13/2021	00:00	0.00	14:35	1.59	0.59												
05/14/2021	02:25	0.00	10:35	1.77	0.92												
05/15/2021	11:20	0.00	07:45	1.62	0.71												
05/16/2021	18:15	0.00	10:45	1.87	1.10												0.01

Date	Depth (in)					Velocity (ft/s)					Quantity (MGD - Total ft3)						Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
05/17/2021	12:30	0.00	15:00	1.60	1.04												
05/18/2021	05:20	0.02	15:20	2.49	1.14												0.07
05/19/2021	10:20	0.54	13:50	2.76	1.52												0.06
05/20/2021	03:20	0.93	10:15	2.77	1.33												
05/21/2021																	
05/22/2021	23:40	2.32	14:55	3.91	3.07												
05/23/2021	18:50	0.00	12:40	2.78	1.73												0.19
05/24/2021	01:55	0.00	11:05	2.98	1.58												0.01
05/25/2021	23:55	1.81	13:30	3.48	2.52												
05/26/2021	21:45	0.21	01:50	3.76	1.64												0.45
05/27/2021	06:40	0.00	00:55	0.89	0.23												0.03
05/28/2021	00:00	0.00	00:00	0.00	0.00												0.15
05/29/2021	00:00	0.00	11:00	0.16	0.00												
05/30/2021	00:00	0.00	16:25	0.97	0.12												
05/31/2021	00:00	0.00	15:10	1.65	0.37												
06/01/2021	00:25	0.00	09:55	1.60	0.52												
06/02/2021	03:55	0.00	11:50	1.46	0.25												
06/03/2021	00:00	0.00	08:45	0.64	0.02												
06/04/2021	00:00	0.00	03:10	0.77	0.09												
06/05/2021	00:05	0.00	08:20	0.65	0.14												
06/06/2021	09:35	0.00	04:30	0.40	0.11												
06/07/2021	08:20	0.00	23:55	0.74	0.14												
06/08/2021	01:40	0.00	04:15	0.76	0.16												
06/09/2021	03:35	0.00	04:45	0.59	0.15												
06/10/2021	08:40	0.00	04:20	0.58	0.13												
06/11/2021	09:15	0.00	04:35	0.67	0.15												
06/12/2021	00:00	0.00	15:15	0.95	0.13												0.26
06/13/2021	00:00	0.00	04:10	0.65	0.05												
06/14/2021	00:00	0.00	04:00	0.82	0.03												
06/15/2021	08:00	0.00	06:00	0.65	0.13												
06/16/2021	01:50	0.00	08:45	0.57	0.06												
06/17/2021	00:25	0.00	04:30	0.67	0.08												
06/18/2021	00:00	0.00	01:15	0.23	0.00												0.38
06/19/2021	00:00	0.00	23:00	0.37	0.02												
06/20/2021	00:25	0.00	23:35	7.17	0.21												1.65
06/21/2021	00:50	0.00	00:00	5.23	0.28												0.03
06/22/2021	00:25	0.00	06:40	0.74	0.12												
06/23/2021	00:00	0.00	00:35	0.59	0.11												
06/24/2021	00:15	0.00	16:00	0.67	0.11												0.22
06/25/2021	00:00	0.00	02:55	0.91	0.07												1.04
06/26/2021	00:15	0.00	11:50	2.14	0.11												0.87
06/27/2021	07:50	0.00	02:50	0.47	0.12												
06/28/2021	00:05	0.00	02:50	0.52	0.04												0.06
06/29/2021	00:00	0.00	08:00	0.28	0.03												0.25
06/30/2021	01:00	0.00	23:30	0.40	0.04												0.02
07/01/2021	06:40	0.00	03:35	0.52	0.10												
07/02/2021	08:20	0.00	02:50	0.48	0.12												
07/03/2021	09:15	0.00	04:30	0.62	0.12												
07/04/2021	06:25	0.00	05:00	0.29	0.06												
07/05/2021	00:00	0.00	06:55	0.28	0.03												
07/06/2021	00:00	0.00	01:50	0.23	0.02												
07/07/2021	00:00	0.00	05:00	0.53	0.04												
07/08/2021	00:15	0.00	00:45	0.35	0.02												
07/09/2021	00:30	0.00	04:40	0.27	0.04												
07/10/2021	00:00	0.00	20:35	0.34	0.06												0.27

Date	Depth (in)				Velocity (ft/s)				Quantity (MGD - Total ft3)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/11/2021	00:00	0.00	10:35	0.47	0.02												0.24
07/12/2021	00:00	0.00	00:00	0.00	0.00												0.03
07/13/2021	00:00	0.00	00:00	0.00	0.00												0.07
07/14/2021	00:00	0.00	04:00	0.25	0.01												
07/15/2021	00:05	0.00	23:00	0.80	0.04												0.45
07/16/2021	00:00	0.00	04:40	0.50	0.15												0.33
07/17/2021	08:40	0.00	02:50	0.49	0.14												
07/18/2021	08:25	0.00	03:05	0.61	0.17												
07/19/2021	07:55	0.00	06:40	0.59	0.13												
07/20/2021	09:20	0.00	04:50	0.72	0.17												
07/21/2021	08:35	0.00	23:35	0.57	0.16												
07/22/2021	08:35	0.00	02:50	0.66	0.21												
07/23/2021	08:10	0.00	00:00	0.62	0.15												0.06
07/24/2021	08:15	0.00	01:15	0.46	0.09												0.04
07/25/2021	00:00	0.00	06:55	0.27	0.04												
07/26/2021	00:00	0.00	06:45	0.30	0.05												
07/27/2021	00:00	0.00	06:45	0.32	0.04												
07/28/2021	00:15	0.00	23:50	0.54	0.07												0.01
07/29/2021	00:50	0.00	05:35	0.97	0.18												0.10
07/30/2021	09:05	0.00	23:40	0.56	0.18												
07/31/2021	09:30	0.00	07:50	0.74	0.22												
08/01/2021	09:15	0.00	04:15	0.72	0.22												
08/02/2021	05:40	0.00	00:55	0.78	0.20												
08/03/2021	00:00	0.00	07:35	0.71	0.07												
08/04/2021	00:00	0.00	22:15	0.36	0.00												
08/05/2021	00:00	0.00	07:55	0.63	0.02												
08/06/2021	00:00	0.00	12:30	0.46	0.01												0.13
08/07/2021	00:05	0.00	07:00	0.31	0.03												
08/08/2021	00:00	0.00	09:25	0.26	0.00												
08/09/2021	00:35	0.00	20:25	2.15	0.09												0.87
08/10/2021	09:25	0.00	20:10	2.65	0.17												0.94
08/11/2021	00:00	0.00	12:20	0.18	0.00												0.10
08/12/2021	00:00	0.00	00:00	0.00	0.00												
08/13/2021	00:00	0.00	03:15	0.19	0.00												
08/14/2021	00:00	0.00	07:35	0.34	0.01												
08/15/2021	00:00	0.00	23:45	0.01	0.00												
08/16/2021	00:05	0.00	02:10	0.36	0.02												
08/17/2021	00:00	0.00	07:40	0.33	0.04												
08/18/2021	00:00	0.00	05:35	0.18	0.01												
08/19/2021	00:00	0.00	06:30	0.19	0.02												
08/20/2021	00:00	0.00	03:40	0.20	0.01												
08/21/2021	00:00	0.00	05:05	0.20	0.01												
08/22/2021	00:00	0.00	00:00	0.00	0.00												
08/23/2021	00:00	0.00	00:00	0.00	0.00												
08/24/2021	00:00	0.00	18:20	2.82	0.08												0.43
08/25/2021	00:00	0.00	00:00	0.00	0.00												0.24
08/26/2021	00:00	0.00	00:00	0.00	0.00												0.02
08/27/2021	00:00	0.00	00:00	0.00	0.00												
08/28/2021	00:00	0.00	00:00	0.00	0.00												
08/29/2021	00:00	0.00	00:30	0.20	0.00												
08/30/2021	00:00	0.00	00:00	0.00	0.00												
08/31/2021	00:00	0.00	00:00	0.00	0.00												

Report Summary For The Period 04/01/2021 00:00 - 08/31/2021 23:59

	Depth (in)	Rain (in)
Total		11.39
Avg	0.21	

Appendix 2: Conceptual Cost Opinions

City of Evanston
Combined Sewer Basin 07 Concept
Cost Estimate

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PAVEMENT REMOVAL & REPLACEMENT	SQ YD	4,867	$ 110	$ 535,333
TRUNK SEWER	LF	2,500	$ 1,000	$ 2,500,000
LOCAL SEWER	LF	2,300	$ 200	$ 460,000
DRAINAGE SRUCTURES TRUNK	EACH	10	$ 16,000	$ 160,000
DRAINAGE STRUCTURES LOCAL	EACH	20	$ 10,000	$ 200,000
OUTFALL ADJUSTMENT	EACH	1	$ 50,000	$ 50,000
			Sub-Total	**$ 3,905,333**
UTILITIES (5%)	LSUM	1	$ 195,267	$ 195,267
MOBILIZATION (10%)	LSUM	1	$ 390,533	$ 390,533
ENGINEERING DESIGN (10%)	LSUM	1	$ 390,533	$ 390,533
CONSTRUCTION MANAGEMENT (5%)	LSUM	1	$ 195,267	$ 195,267
			Sub-Total	**$ 5,076,933**
CONTINGENCY (25%)				$ 1,269,233
			Total	**$ 6,346,167**

City of Evanston
Southwest Concept
Cost Estimate

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PAVEMENT REMOVAL & REPLACEMENT	SQ YD	11,333	$ 110	$ 1,246,667
TRUNK SEWER	LF	7,500	$ 1,000	$ 7,500,000
LOCAL SEWER	LF	2,000	$ 200	$ 400,000
DRAINAGE SRUCTURES TRUNK	EACH	15	$ 16,000	$ 240,000
DRAINAGE STRUCTURES LOCAL	EACH	50	$ 10,000	$ 500,000
			Sub-Total	**$ 9,886,667**
UTILITIES (5%)	LSUM	1	$ 494,333	$ 494,333
MOBILIZATION (10%)	LSUM	1	$ 988,667	$ 988,667
ENGINEERING DESIGN (10%)	LSUM	1	$ 988,667	$ 988,667
CONSTRUCTION MANAGEMENT (5%)	LSUM	1	$ 494,333	$ 494,333
			Sub-Total	**$ 12,852,667**
CONTINGENCY (25%)				$ 3,213,167
			Total	**$ 16,065,833**

City of Evanston
Mason Park Concept
Cost Estimate

ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST
PAVEMENT REMOVAL & REPLACEMENT	SQ YD	833	$ 110	$ 91,667
LOCAL SEWER	LF	625	$ 200	$ 125,000
DRAINAGE STRUCTURES LOCAL	EACH	9	$ 5,000	$ 45,000
BIOSWALE	SQ YD	667	$ 350	$ 233,333
			Sub-Total	**$ 495,000**
UTILITIES (5%)	LSUM	1	$ 24,750	$ 24,750
MOBILIZATION (10%)	LSUM	1	$ 49,500	$ 49,500
ENGINEERING DESIGN (10%)	LSUM	1	$ 49,500	$ 49,500
CONSTRUCTION MANAGEMENT (5%)	LSUM	1	$ 24,750	$ 24,750
			Sub-Total	**$ 643,500**
CONTINGENCY (25%)				$ 160,875
			Total	**$ 804,375**