



A Division of ADS LLC

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October 1, 2010

Randy M. Cameron, P.E.
Sterns & Wheeler
One Remington Park Drive
Cazenovia, NY 13035

Dear Mr. Cameron ,

ADS is pleased to submit the March 2010 - September 2010 Temporary Flow Monitoring Reports for the Yorktown, NY Temporary Flow Monitoring Study . Data beginning Monday, March 22, 2010 through Monday, September 20, 2010 includes depth, velocity and quantity hydrographs as well as scattergraphs, longtables and 15-minute data in Excel format.

In addition, we would be happy to further explain any details about the report that may seem unclear. Should you have any questions or comments, please contact the Project Manager, Michael Armes at 603-625-1212 or me at 845-268-1201 ext. 222.

Thank you for choosing ADS products and services to meet your flow monitoring needs.

Sincerely,
ADS ENVIRONMENTAL SERVICES

Rodianne Cadet
Data Manager



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

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Introduction

Background

Sterns & Wheeler entered into agreement with ADS Environmental Services to conduct flow monitoring at fifteen (15) metering locations and two (2) rain gauges located in Yorktown, NY. This monitoring period began on Monday, March 22, 2010 and ended on Monday, September 20, 2010. The objective of this study was to measure depth, velocity, and quantify flows.

Project Scope

The scope of this study involved using a temporary flow monitor to quantify wastewater flow at the designated locations. Specifically, the study included the following key components:

- Investigate the proposed flow-monitoring site for adequate hydraulic conditions.
- Flow monitor installation.
- Flow monitor confirmations and data collections.
- Flow data analysis.

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 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 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 and therefore use the Continuity Equation to calculate flow quantities.

Flow Monitoring Equipment

The monitor selected for this project was the ADS Model 4000 flow monitor. This flow monitor is an area velocity flow monitor that uses both the Continuity and Manning's equations to measure flow.

The ADS Model 4000 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 at 15-minute intervals.

Three types of data acquisition sensors are available for the Model 4000 flow monitor. The primary depth measurement device is the ADS quad-redundant ultrasonic level sensor. This sensor uses four independent ultrasonic transceivers in pairs to measure the distance from the face of the transceiver housing to the water surface (air range) with up to four transceiver pairs, of the available ones, active at one time. The elapsed time between transmitting and receiving the ultrasonic waves is used to calculate the air range between the sensor and flow surface based on the speed of sound in air. Sensors in the transceiver housing measure temperature, which is used to compensate the ultrasonic signal travel time. The speed of sound will vary with temperature. Since the ultrasonic level sensor is mounted out of the flow, it creates no disturbance to normal flow patterns and does not affect site hydraulics.

Redundant flow depth data can be provided by a pressure depth sensor, and is independent from the ultrasonic level sensor. This sensor uses a piezo-resistive crystal to determine the difference between hydrostatic and atmospheric pressure. The pressure sensor is temperature compensated and vented to the atmosphere through a desiccant filled breather tube. Pressure depth sensors are typically used in large size channels and applications where surcharging is anticipated. Its streamlined shape minimizes flow distortion.

Velocity is measured using the ADS V-3 digital Doppler velocity sensor. This sensor measures velocity in the cross-sectional area of flow. An ultrasonic carrier is transmitted upstream into the flow, and is reflected by suspended particles, air bubbles, or organic matter with a frequency shift proportional to the velocity of the reflecting objects. The reflected signal is received by the sensor and processed using digital spectrum analysis to determine the peak flow velocity. Collected peak velocity information is filtered and processed using field confirmation information and proprietary software to determine the average velocity, which is used to calculate flow quantities. The sensor's small profile, measuring 1.5 inches by 1.15 inches by 0.50 inches thick, minimizes the affects on flow patterns and site hydraulics.

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 and verify that the monitor clock is operational 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 2.1.

The installations depicted in Figures 2.1 are typical for circular or oval pipes up to approximately 104-inches in diameter or height. In installations into pipes 42-inches or less in diameter, depth and velocity sensors are mounted on an expandable stainless steel ring and 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 is made using two sections of the ring installed one to two feet upstream of the pipe/manhole connection; one bolted to the crown of the pipe for the depth sensor, and the other bolted to the bottom of the pipe (bolts are usually placed just above the water line) to hold the velocity sensor.

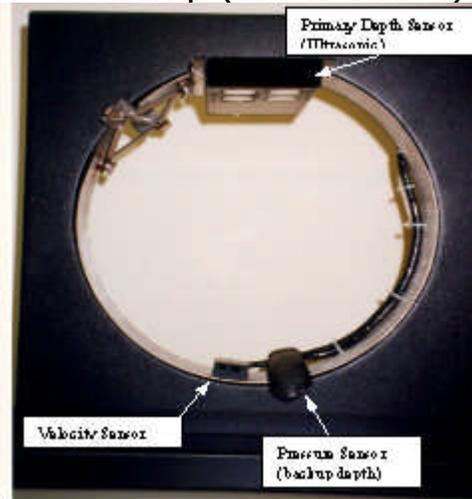
Figure 2.1 Typical Installation



Large Pipe (> 42" Diameter)



Small Pipe (8" to 42" Diameter)



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 flow rate, depth and velocity to confirm they are in agreement with the monitor. Since the ADS V-3 velocity sensor measures 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 and records the depth of silt at 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 patterns, which indicate system anomalies or equipment failure.

Data Analysis and Presentation

Data Analysis

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 (1) the air range (distance from sensor to top of flow) for each active ultrasonic depth sensor pair and (2) the 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 collects the data, the air range is converted to depth data based on the pipe height and physical offset (distance from the top of the pipe to the surface of the ultrasonic 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 to 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 ultrasonic pairs and/or 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.

Occasionally the velocity sensor's performance may be compromised resulting in invalid readings sporadically during the monitoring period. This is generally caused by excessive debris (silt) blocking the sensor's crystals, shallow flows ($\sim < 2''$) that may drop below the top of the sensor or very clear flows lacking the particles needed to measure rate. In order to use the Continuity equation to quantify the flow during these periods, a Sr. Analyst and/or Engineer will use the site's historical pipe curve (depth vs. velocity) data along with valid field confirmations to reconstitute and replace the false velocity recordings with expected velocity readings for a given historical depth along the curve.

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 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. Tables are provided in daily average format. These tables show the flow rate for each day, along with the daily minimum and maximums, the times they were observed, the total daily flow, and total flow for the month (or monitoring period). The following explanation of terms may aid in interpretation of the tables and hydrographs.

DEPTH - Final calculated depth measurement (in inches)

QUANTITY - Final calculated flow rate (in MGD)

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

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

Site Commentary

Site Information

MH308	
Pipe Dimensions (in.)	Circular (18.00 in H)
Silt (in.)	2.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH308 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	6.98	0.70	0.259
Minimum	4.66	0.09	0.015
Maximum	13.72	1.63	1.393
Time of Minimum	8/22/2010 5:30 AM	8/22/2010 5:30 AM	8/22/2010 5:30 AM
Time of Maximum	3/30/2010 12:30 PM	3/30/2010 11:15 AM	3/30/2010 11:15 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

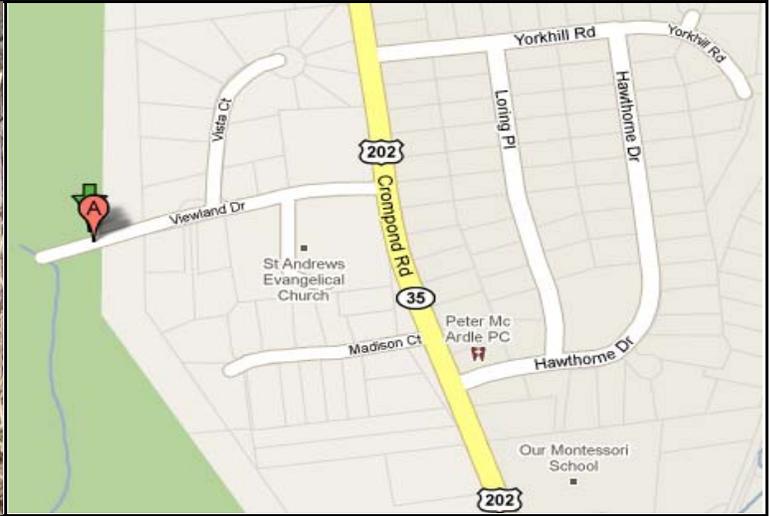
Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	100.00
Velocity (ft/s)	99.86
Quantity (MGD)	99.86

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Site Name:	YORKTOWN_MH-308	Meter Type:	4000 WR	Monitor S/N:	1562	Manhole #:	308
Address / Location:	VIEWLAND ROAD EASEMENT			Map Page #:			
				Pipe Height:	18 Inches		
Access:	Walk (Wooded)	Type of System:	SANITARY	Pipe Width:	18 Inches		
				Phone Number:	166.213.158.220		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 18, 2010	9:13 AM	Manhole Depth:	8 Feet	8 Inches
Site Hydraulics:	Smooth flow with decent velocity, side connection does not interfere with flows		Manhole Material / Condition:	Precast	Block
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	RCP	Good
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	10.75 +/- 0.38		Telephone Information:		
Range (Air Dof):	5.75 +/- 0.38		Access Pole #:	N/A	
Peak Velocity:	1.39 fps		Distance From Manhole:	N/A Feet	
Silt:	Inches		Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
N 41° 17' 7.4" W 73° 47' 58.9"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG2	Other		X		

Additional Site Information / Comments:

PRESS SN 83143 ULTRA PO 1.5 ****SITE IS 100 YARDS FROM ROAD****

SCATTERGRAPH REPORT

MH308

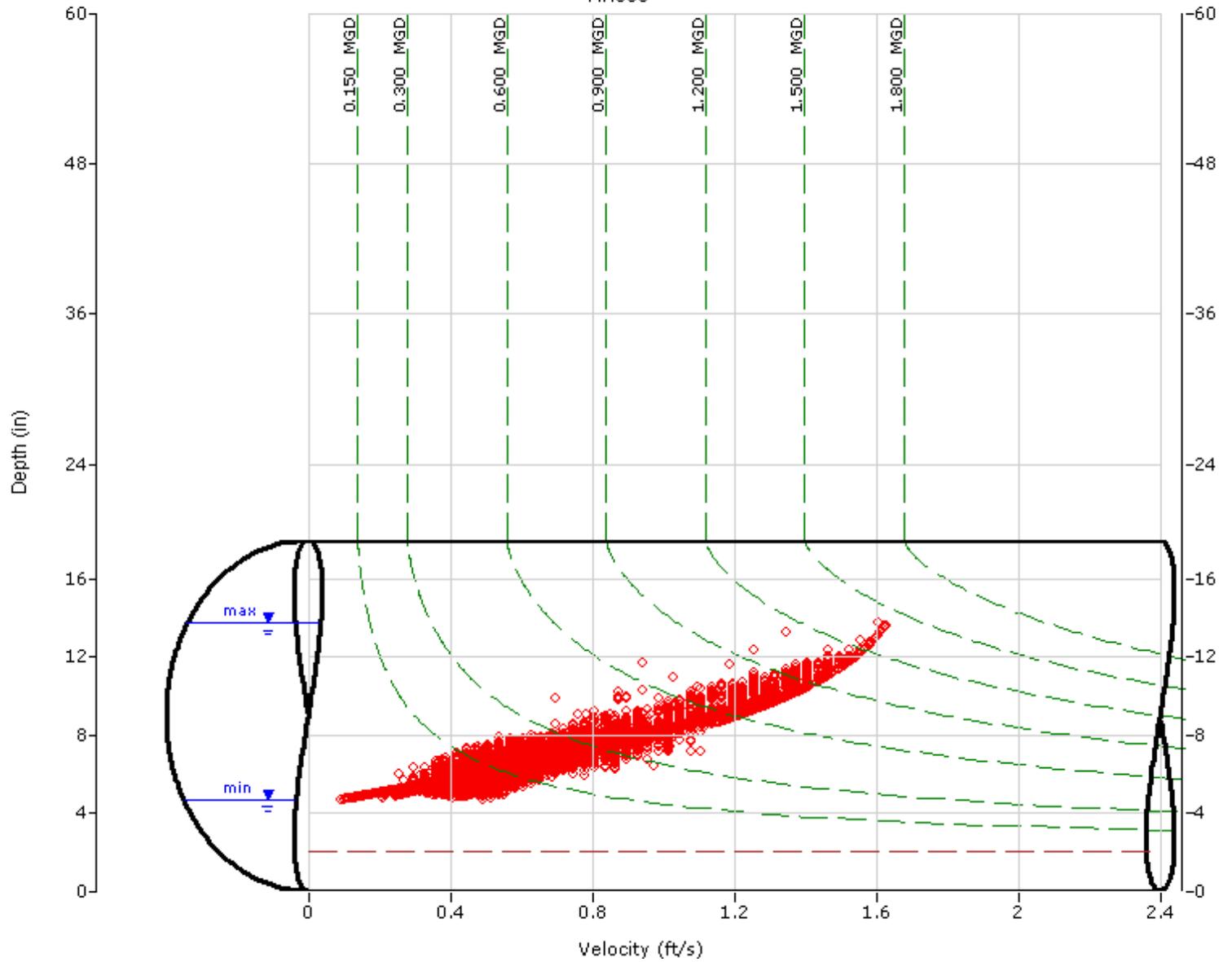
Flow Monitor
MH308

Nominal Diameter
18-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

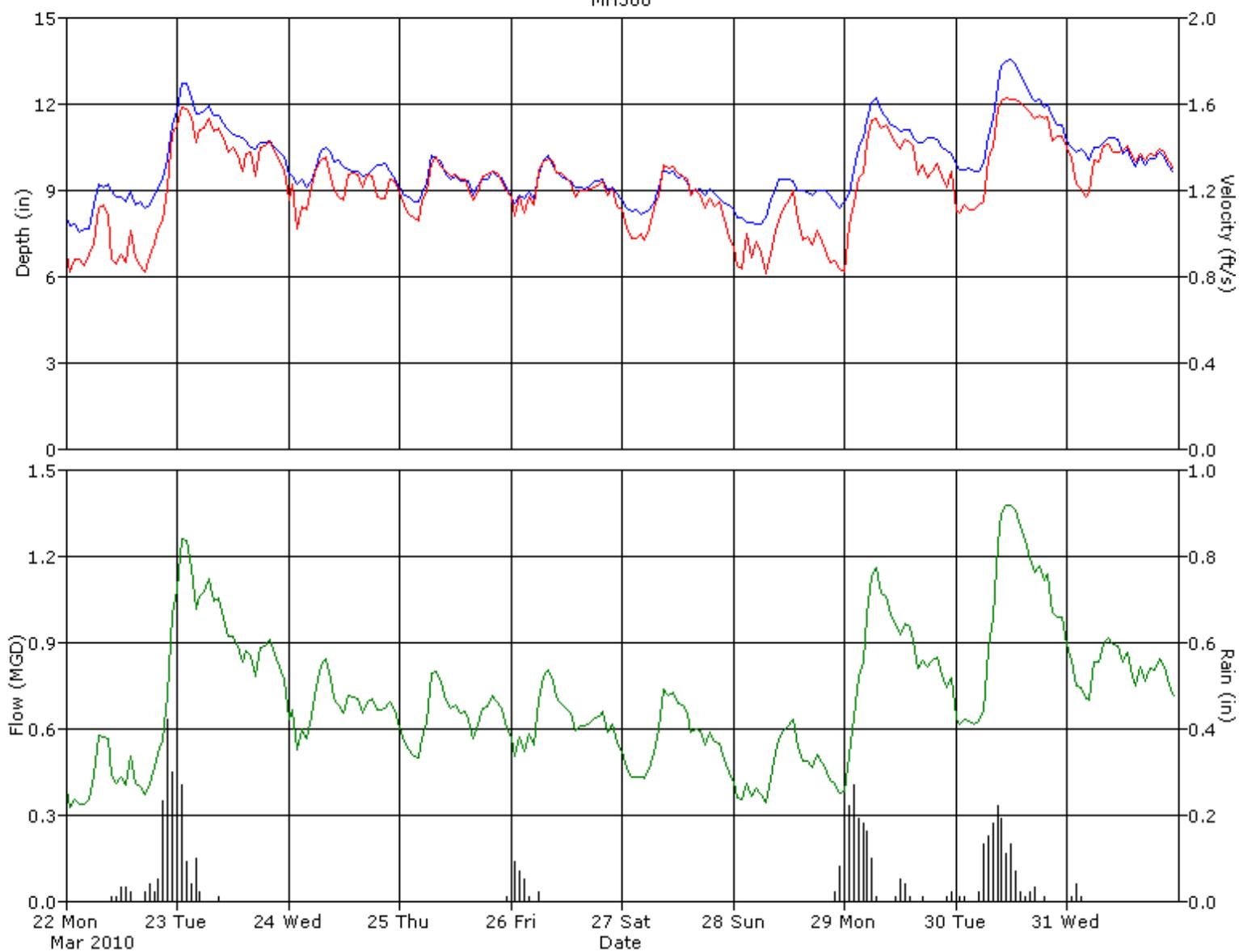
MH308

Flow Monitor
MH308

Nominal Diameter
18-in

Report Period
3/22/2010
To
3/31/2010

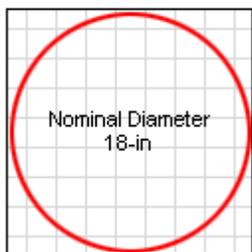
Legend
— Depth
— Velocity
— Quantity
— Rain



HYDROGRAPH REPORT

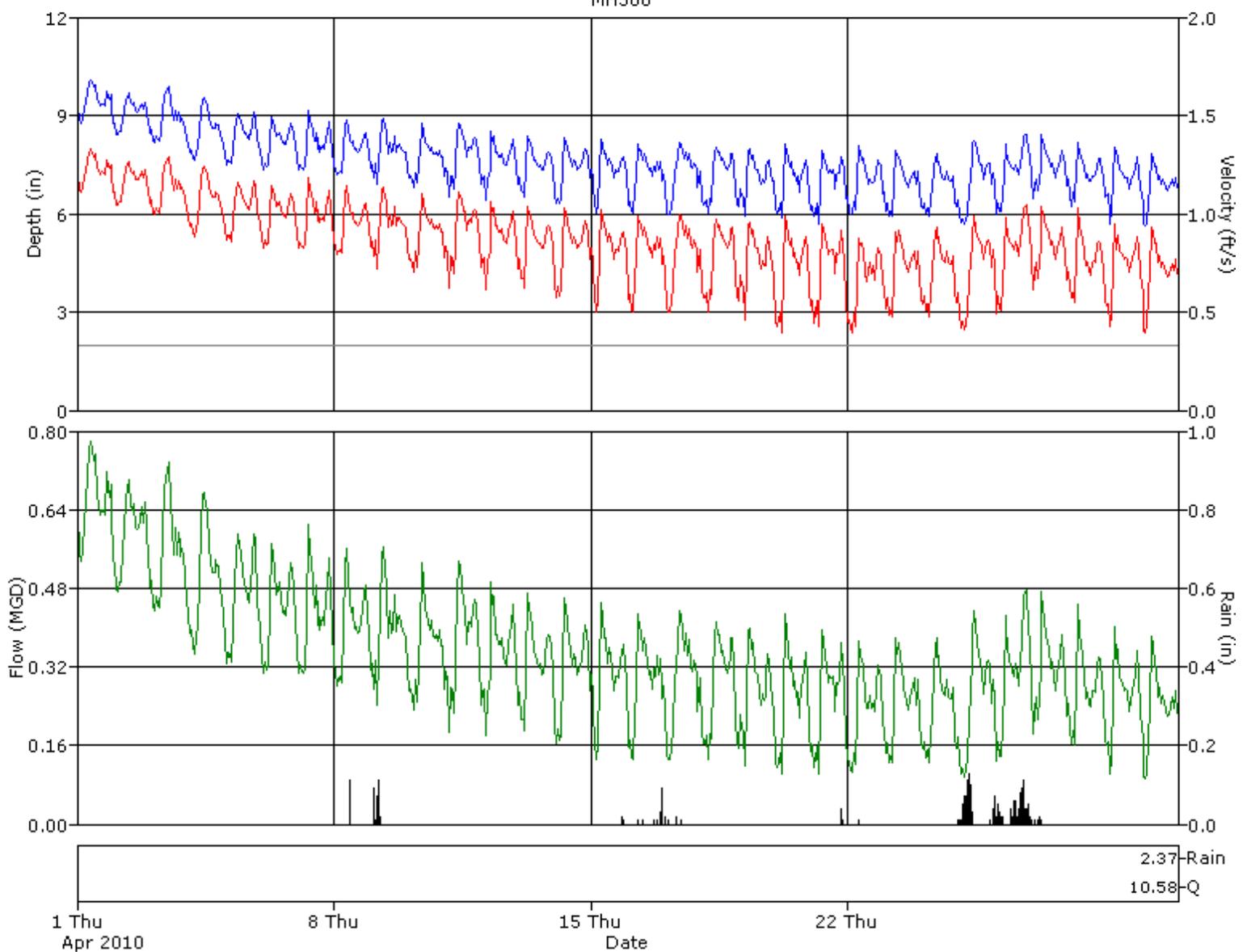
MH308

Flow Monitor
MH308



Report Period
4/1/2010
To
4/30/2010

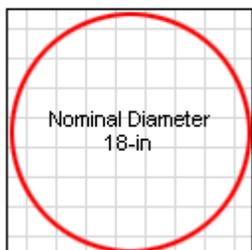
- Legend**
- Depth
 - Silt
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

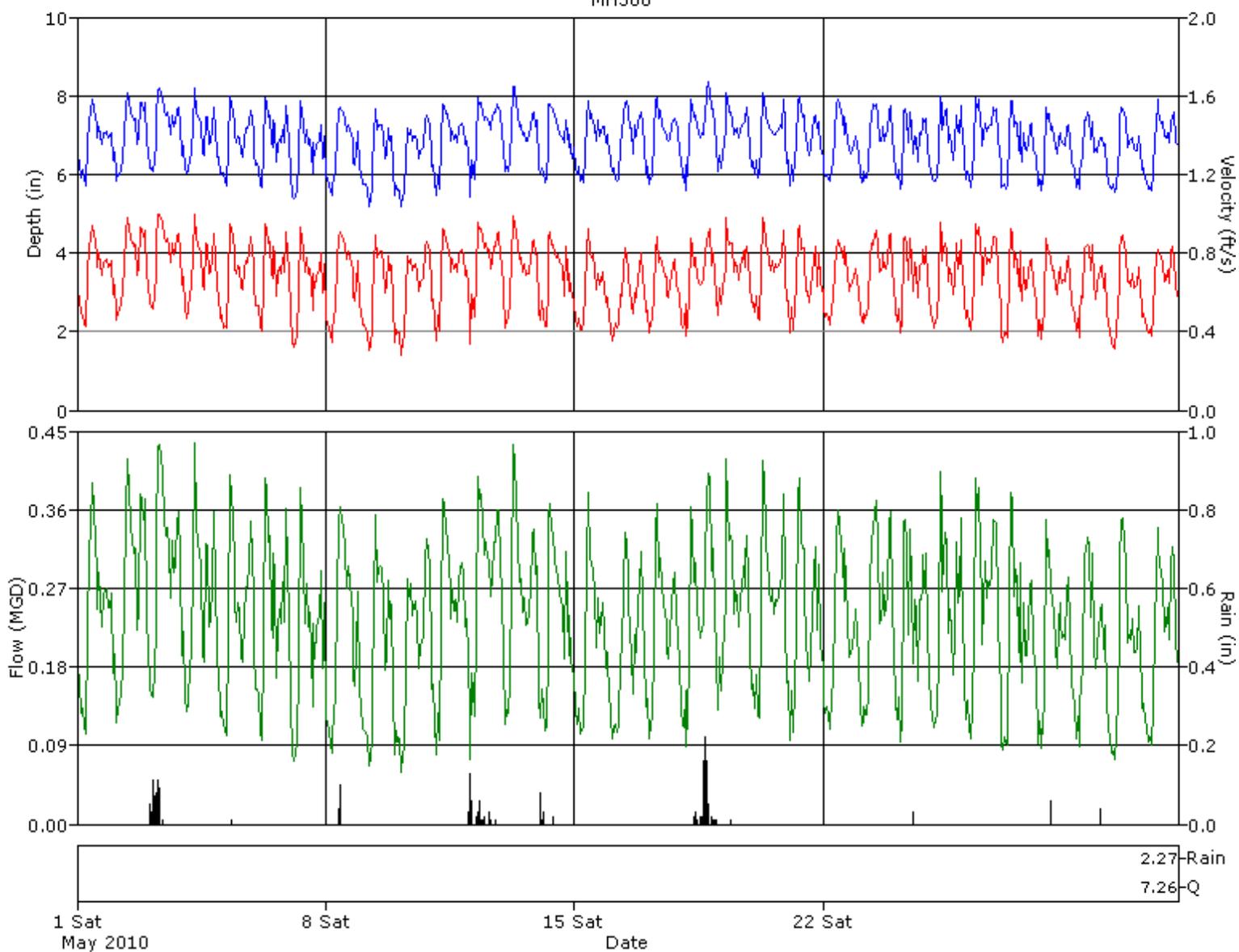
MH308

Flow Monitor
MH308



Report Period
5/1/2010
To
5/31/2010

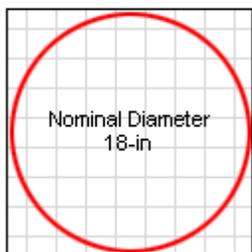
- Legend**
- Depth
 - Silt
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

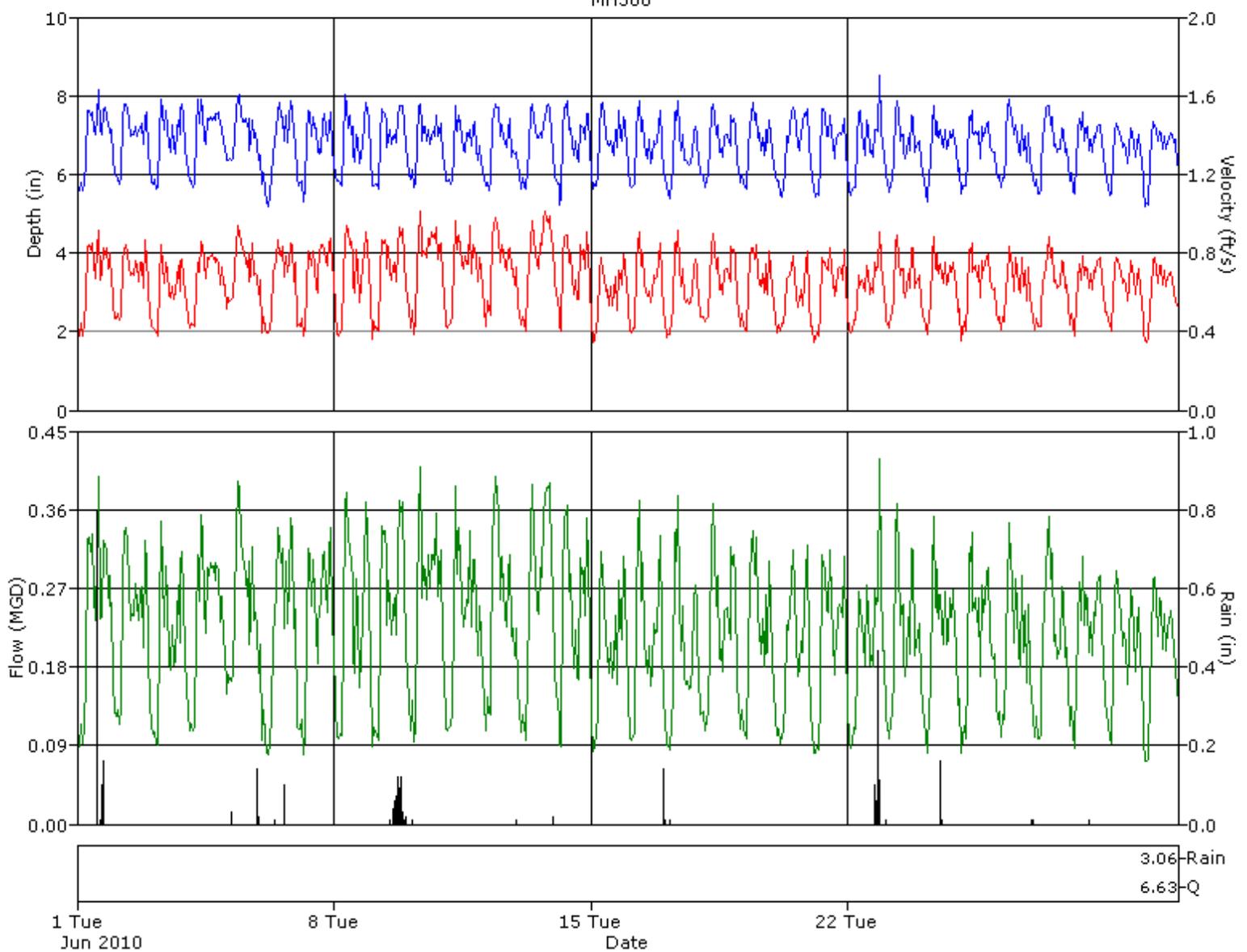
MH308

Flow Monitor
MH308



Report Period
6/1/2010
To
6/30/2010

- Legend**
- Depth
 - Silt
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

MH308

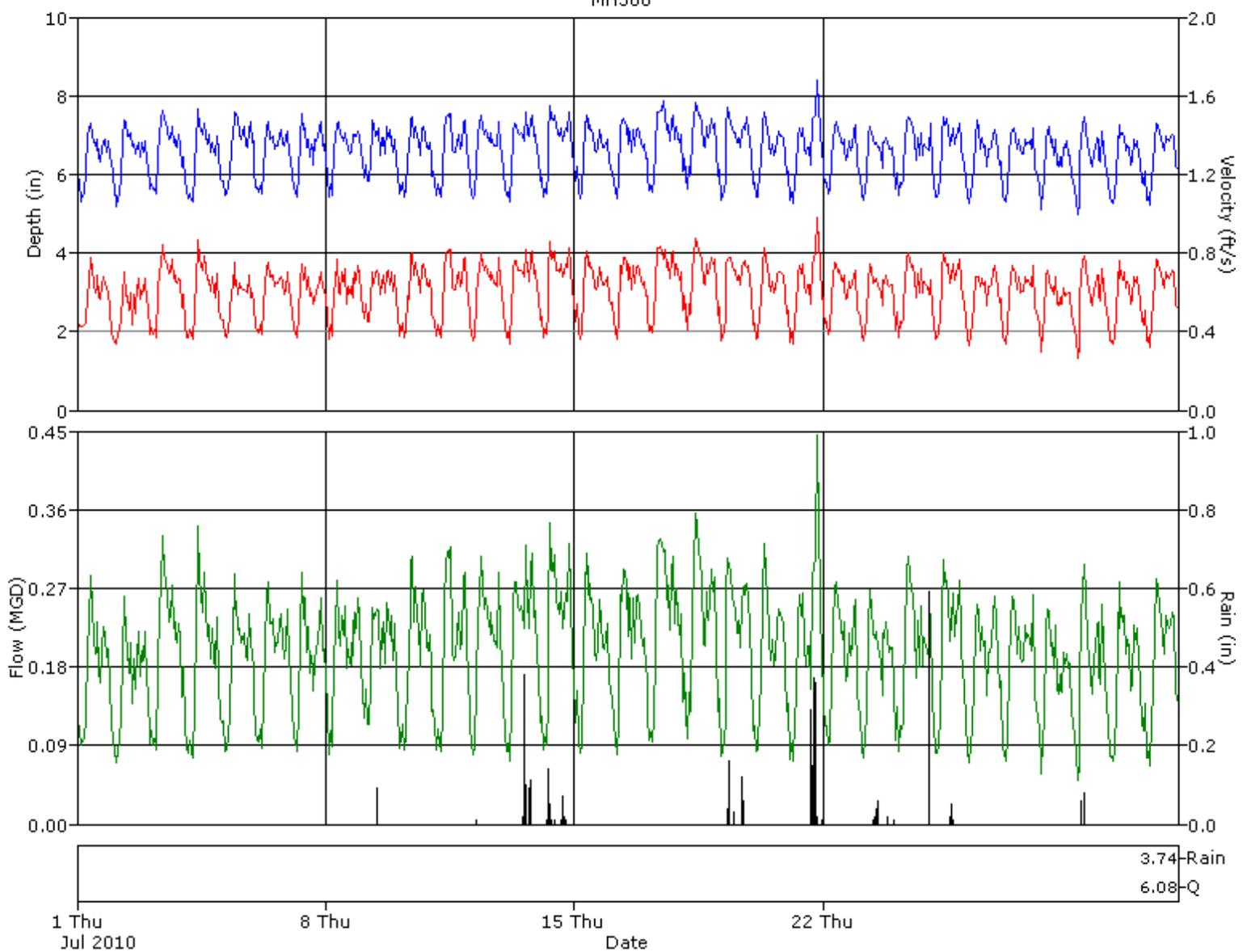
Flow Monitor
MH308

Nominal Diameter
18-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH308

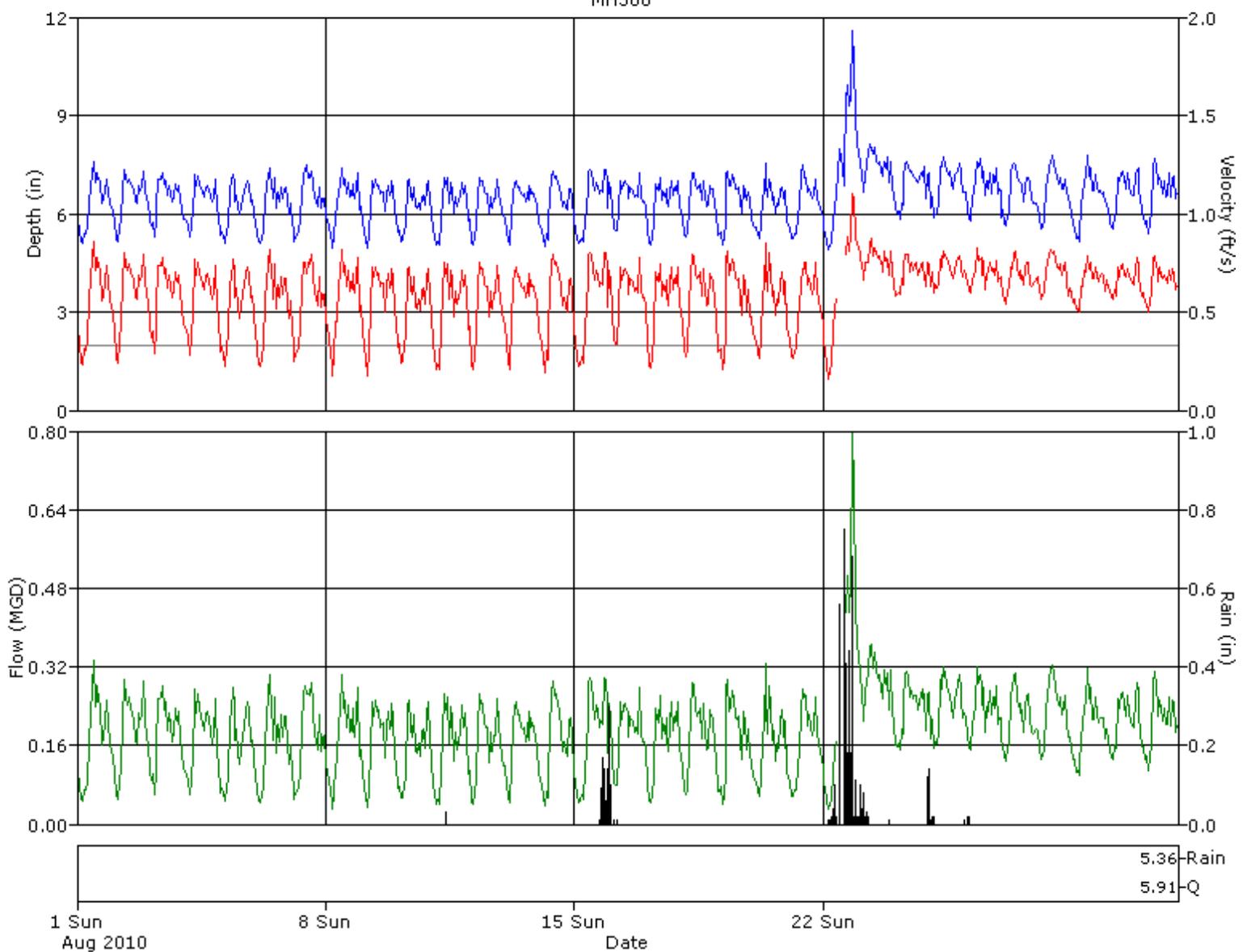
Flow Monitor
MH308

Nominal Diameter
18-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH308

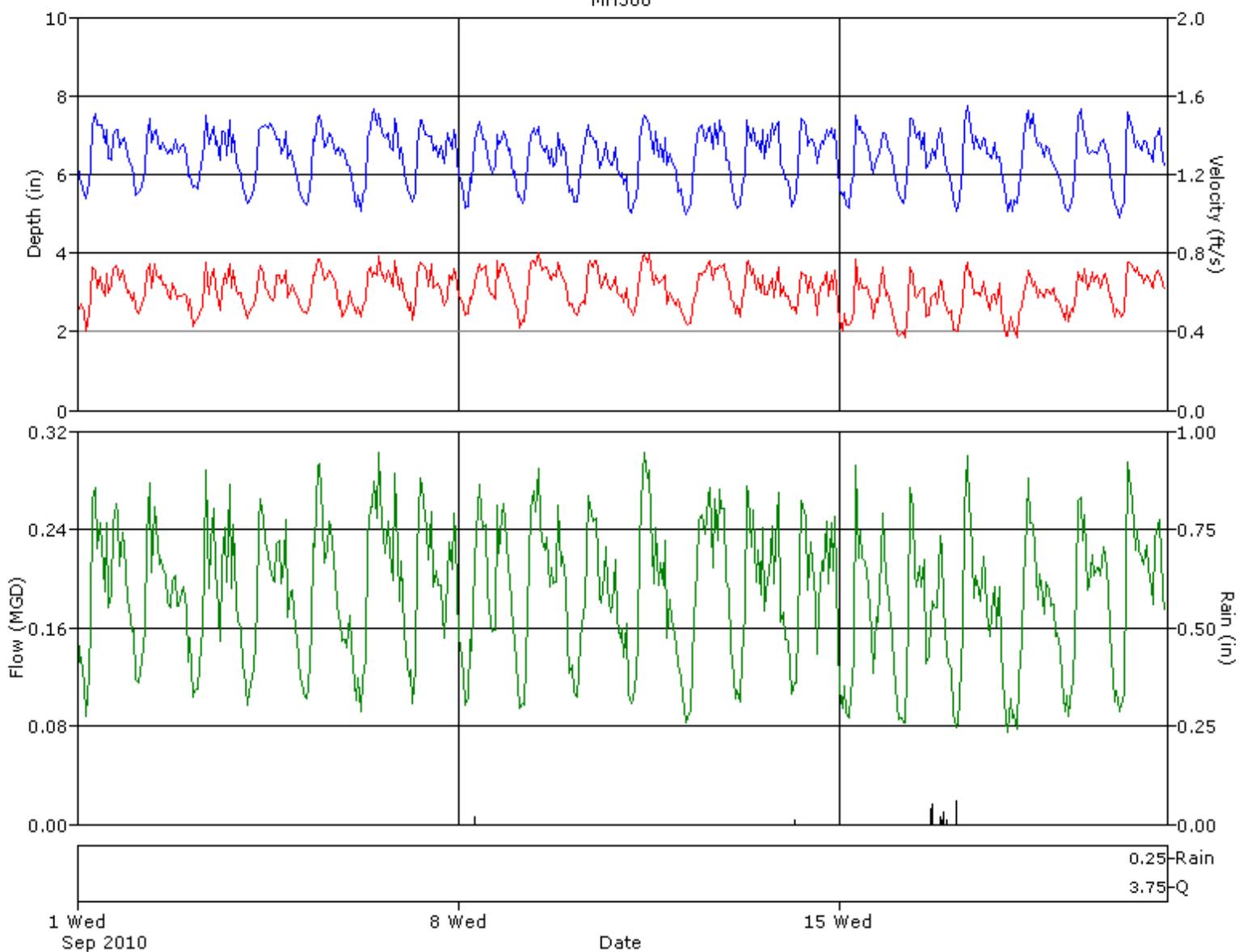
Flow Monitor
MH308

Nominal Diameter
18-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	04:30	7.31	23:30	11.53	8.70	01:45	0.75	23:30	1.51	0.96	01:45	0.284	23:30	1.060	0.469	0.469	1.18
3/23/2010	23:30	9.97	01:30	13.10	11.20	17:45	1.20	01:30	1.61	1.42	23:30	0.711	01:30	1.318	0.969	0.969	0.83
3/24/2010	04:30	8.81	07:30	11.01	9.71	02:00	0.96	09:00	1.44	1.21	02:00	0.501	07:30	0.932	0.682	0.682	
3/25/2010	04:30	8.13	07:15	10.44	9.28	04:30	0.93	08:15	1.40	1.22	04:30	0.400	08:15	0.863	0.642	0.642	0.01
3/26/2010	00:30	8.14	08:15	10.79	9.21	01:30	0.96	08:15	1.44	1.21	01:30	0.417	08:15	0.931	0.632	0.632	0.26
3/27/2010	04:30	7.79	13:00	9.94	8.84	23:45	0.76	13:00	1.35	1.13	23:45	0.341	13:00	0.778	0.559	0.559	
3/28/2010	03:30	7.42	10:30	9.61	8.63	01:00	0.75	13:00	1.29	0.96	02:15	0.306	13:00	0.702	0.456	0.456	0.10
3/29/2010	00:30	8.15	07:15	12.40	10.78	00:00	0.75	07:15	1.57	1.32	00:15	0.347	07:15	1.208	0.862	0.862	1.51
3/30/2010	04:30	9.26	12:30	13.72	11.54	00:30	1.02	11:15	1.63	1.41	04:30	0.531	11:15	1.393	1.010	1.010	1.34
3/31/2010	23:30	9.49	09:15	11.05	10.28	03:00	1.11	00:45	1.45	1.33	05:30	0.660	09:15	0.956	0.807	0.807	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			7.088	5.29
Report Avg	9.82	1.22	0.709	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	03:45	8.89	09:15	10.26	9.47	03:45	1.10	09:15	1.39	1.23	03:45	0.523	09:15	0.839	0.665	0.665	
4/2/2010	03:15	8.21	10:15	9.78	9.08	03:15	1.00	10:15	1.28	1.16	03:15	0.439	10:15	0.722	0.593	0.593	
4/3/2010	05:00	7.99	12:15	10.09	8.89	05:00	0.96	12:15	1.32	1.13	05:00	0.405	12:15	0.779	0.559	0.559	
4/4/2010	04:30	7.38	10:45	9.74	8.56	04:30	0.83	10:45	1.27	1.07	04:30	0.309	10:45	0.713	0.503	0.503	
4/5/2010	02:15	7.15	21:00	9.34	8.36	05:45	0.83	21:00	1.21	1.03	02:15	0.293	21:00	0.638	0.468	0.468	
4/6/2010	02:00	7.15	07:30	9.17	8.20	02:00	0.78	07:30	1.18	1.00	02:00	0.276	07:30	0.608	0.441	0.441	
4/7/2010	04:30	6.92	07:15	9.22	8.12	04:30	0.74	07:00	1.20	0.99	04:30	0.247	07:15	0.617	0.430	0.430	
4/8/2010	05:00	6.80	08:00	9.17	7.99	05:00	0.70	08:00	1.18	0.96	05:00	0.228	08:00	0.609	0.407	0.407	0.11
4/9/2010	04:30	6.68	07:15	9.37	7.97	04:30	0.67	07:15	1.22	0.95	04:30	0.212	07:15	0.650	0.405	0.405	0.30
4/10/2010	04:45	6.59	10:15	8.96	7.75	04:45	0.65	11:45	1.17	0.91	04:45	0.200	11:45	0.581	0.370	0.370	
4/11/2010	03:45	6.42	10:45	9.01	7.80	03:45	0.61	10:45	1.15	0.92	03:45	0.180	10:45	0.579	0.378	0.378	
4/12/2010	03:45	6.26	09:15	8.77	7.63	03:45	0.57	09:15	1.11	0.88	03:45	0.160	09:15	0.537	0.350	0.350	
4/13/2010	03:45	6.20	07:45	8.59	7.47	03:45	0.55	07:45	1.08	0.85	03:45	0.154	07:45	0.505	0.326	0.326	
4/14/2010	02:15	6.07	07:45	8.69	7.37	02:00	0.53	07:45	1.09	0.82	02:15	0.142	07:45	0.521	0.313	0.313	
4/15/2010	04:45	5.95	07:45	8.53	7.34	04:45	0.49	07:45	1.08	0.82	04:45	0.126	07:45	0.498	0.307	0.307	0.03
4/16/2010	04:30	5.95	07:45	8.48	7.20	04:30	0.48	07:45	1.06	0.78	04:30	0.126	07:45	0.485	0.289	0.289	0.22
4/17/2010	04:30	5.92	11:45	8.52	7.23	04:30	0.48	11:45	1.07	0.79	04:30	0.123	11:45	0.496	0.294	0.294	0.06
4/18/2010	04:45	5.77	10:45	8.36	7.21	04:45	0.44	10:45	1.03	0.79	04:45	0.108	10:45	0.466	0.290	0.290	
4/19/2010	05:15	5.70	07:30	8.41	7.11	05:15	0.42	07:30	1.04	0.76	05:15	0.100	07:30	0.473	0.273	0.273	
4/20/2010	05:00	5.69	07:30	8.44	7.02	05:00	0.30	07:30	1.05	0.73	05:00	0.072	07:30	0.479	0.258	0.258	
4/21/2010	05:00	5.50	20:45	8.32	6.99	02:30	0.39	20:45	1.05	0.73	05:00	0.094	20:45	0.468	0.258	0.258	0.05
4/22/2010	04:45	5.63	07:30	8.36	7.01	05:00	0.30	07:30	0.96	0.67	05:00	0.072	07:30	0.431	0.238	0.238	0.01
4/23/2010	05:00	5.53	07:45	8.11	6.96	05:00	0.37	07:45	0.99	0.72	05:00	0.085	07:45	0.424	0.252	0.252	
4/24/2010	05:00	5.46	10:15	8.19	6.87	05:00	0.35	10:15	1.00	0.71	05:00	0.078	10:15	0.436	0.243	0.243	
4/25/2010	04:15	5.47	11:00	8.46	7.05	04:15	0.35	11:00	1.05	0.73	04:15	0.079	11:00	0.481	0.265	0.265	0.65
4/26/2010	01:30	5.94	20:30	8.65	7.37	01:30	0.48	20:30	1.09	0.82	01:30	0.125	20:30	0.515	0.315	0.315	0.88
4/27/2010	01:45	6.29	07:30	8.83	7.44	01:45	0.57	07:30	1.12	0.83	01:45	0.164	07:30	0.547	0.318	0.318	0.06
4/28/2010	02:15	5.86	07:30	8.36	7.20	02:15	0.48	07:15	1.08	0.76	02:15	0.121	07:15	0.479	0.276	0.276	
4/29/2010	04:45	5.67	07:30	8.35	7.03	04:45	0.41	07:30	1.05	0.72	04:45	0.098	07:30	0.471	0.256	0.256	
4/30/2010	03:00	5.52	07:45	8.14	6.82	03:00	0.37	07:45	0.99	0.70	03:00	0.084	07:45	0.428	0.236	0.236	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			10.577	2.37
Report Avg	7.62	0.86	0.353	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	03:15	5.44	10:15	8.27	6.86	06:30	0.35	10:15	1.02	0.70	06:30	0.078	10:15	0.450	0.241	0.241	
5/2/2010	05:00	5.60	10:00	8.28	7.03	05:00	0.39	10:00	1.02	0.75	05:00	0.091	10:00	0.451	0.267	0.267	
5/3/2010	03:15	5.59	09:15	8.56	7.23	03:15	0.39	09:15	1.07	0.79	03:15	0.090	09:15	0.499	0.295	0.295	0.56
5/4/2010	04:45	5.74	08:00	8.60	7.02	02:15	0.39	08:00	1.08	0.74	02:15	0.097	08:00	0.506	0.263	0.263	
5/5/2010	04:15	5.43	07:30	8.38	6.87	04:15	0.34	07:30	1.04	0.69	04:15	0.076	07:30	0.469	0.240	0.240	0.01
5/6/2010	03:45	5.41	07:45	8.21	6.86	03:45	0.34	07:45	1.00	0.70	03:45	0.074	07:45	0.439	0.242	0.242	
5/7/2010	03:30	4.98	07:45	8.25	6.54	03:45	0.24	07:45	1.01	0.63	03:30	0.046	07:45	0.446	0.203	0.203	
5/8/2010	05:30	5.06	09:00	8.10	6.63	05:30	0.23	09:00	0.98	0.65	05:30	0.045	09:00	0.422	0.215	0.215	0.14
5/9/2010	05:45	4.73	10:15	8.19	6.44	05:45	0.21	10:15	1.00	0.60	05:45	0.036	10:15	0.436	0.191	0.191	
5/10/2010	03:15	4.85	22:15	7.75	6.58	03:15	0.20	22:15	0.91	0.64	03:15	0.037	22:15	0.366	0.209	0.209	
5/11/2010	03:30	5.35	08:00	8.12	6.85	03:30	0.32	08:00	0.99	0.70	03:30	0.069	08:00	0.424	0.241	0.241	
5/12/2010	02:15	5.34	07:15	8.23	7.12	02:15	0.32	07:15	1.05	0.75	02:15	0.068	07:15	0.460	0.272	0.272	0.46
5/13/2010	03:30	5.75	07:30	8.44	7.08	01:45	0.33	07:00	1.05	0.72	03:30	0.081	07:00	0.468	0.260	0.260	
5/14/2010	03:45	5.58	07:30	8.17	6.87	04:15	0.36	08:30	0.96	0.67	04:15	0.083	07:30	0.413	0.232	0.232	0.14
5/15/2010	04:45	5.44	10:00	8.01	6.88	04:45	0.35	09:30	0.99	0.63	04:45	0.077	09:30	0.410	0.218	0.218	
5/16/2010	05:45	5.49	11:15	8.24	6.94	02:15	0.26	11:15	0.91	0.59	02:00	0.064	11:15	0.400	0.206	0.206	
5/17/2010	03:30	5.45	08:00	8.20	6.92	03:30	0.35	08:00	0.93	0.64	03:30	0.078	08:00	0.405	0.220	0.220	
5/18/2010	04:15	5.41	19:30	8.67	7.15	01:00	0.30	19:45	1.02	0.68	01:15	0.073	19:45	0.458	0.251	0.251	0.81
5/19/2010	03:15	5.88	08:00	8.18	7.12	01:00	0.39	07:15	1.02	0.73	01:00	0.110	07:15	0.438	0.262	0.262	0.02
5/20/2010	04:30	5.61	07:30	8.36	7.01	04:30	0.39	07:30	1.03	0.72	04:30	0.092	07:30	0.465	0.256	0.256	
5/21/2010	04:30	5.50	08:00	8.21	6.91	03:00	0.36	07:15	1.02	0.67	04:30	0.082	08:00	0.446	0.233	0.233	
5/22/2010	05:15	5.46	09:45	8.14	6.79	05:15	0.35	11:00	0.99	0.67	05:15	0.078	11:00	0.425	0.225	0.225	
5/23/2010	05:45	5.44	11:45	8.02	6.87	05:45	0.34	11:45	0.96	0.70	05:45	0.076	11:45	0.405	0.241	0.241	
5/24/2010	05:15	5.43	08:00	8.21	6.86	05:15	0.34	08:00	1.00	0.69	05:15	0.076	08:00	0.440	0.238	0.238	0.03
5/25/2010	04:30	5.25	07:15	8.16	6.90	04:30	0.29	07:15	0.99	0.69	04:30	0.060	07:15	0.432	0.240	0.240	
5/26/2010	04:45	5.54	07:30	8.25	6.96	04:45	0.37	07:00	0.99	0.71	04:45	0.085	07:30	0.436	0.250	0.250	
5/27/2010	04:15	5.30	07:15	8.15	6.72	04:15	0.31	07:15	1.02	0.64	04:15	0.065	07:15	0.441	0.214	0.214	
5/28/2010	03:45	5.22	09:00	8.11	6.72	01:00	0.33	07:30	0.95	0.64	03:45	0.072	09:00	0.399	0.212	0.212	0.06
5/29/2010	05:00	5.28	09:45	7.94	6.64	05:00	0.30	11:15	0.96	0.64	05:00	0.063	09:45	0.396	0.208	0.208	0.04
5/30/2010	05:15	5.22	10:45	7.84	6.61	05:15	0.28	11:15	0.93	0.61	05:15	0.057	11:15	0.375	0.201	0.201	
5/31/2010	06:00	5.24	10:30	8.16	6.77	06:00	0.29	20:00	0.93	0.63	06:00	0.059	10:00	0.379	0.215	0.215	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			7.260	2.27
Report Avg	6.86	0.68	0.234	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
6/1/2010	04:30	5.14	14:00	8.29	6.94	04:30	0.26	14:00	1.01	0.68	04:30	0.052	14:00	0.449	0.240	0.240	1.07
6/2/2010	04:45	5.35	07:30	8.40	6.95	03:30	0.33	07:30	0.96	0.68	03:30	0.073	07:30	0.436	0.237	0.237	
6/3/2010	04:00	5.22	07:15	8.31	6.85	04:15	0.35	07:15	0.90	0.61	04:15	0.079	07:15	0.401	0.210	0.210	
6/4/2010	04:30	5.11	07:45	8.06	7.02	05:30	0.32	11:00	0.93	0.68	04:30	0.069	10:30	0.376	0.241	0.241	
6/5/2010	03:15	5.90	09:45	8.36	7.01	05:15	0.45	09:45	0.99	0.71	03:15	0.117	09:45	0.444	0.250	0.250	0.19
6/6/2010	05:30	5.05	20:00	7.99	6.73	06:15	0.33	21:00	0.96	0.66	06:15	0.073	21:00	0.392	0.223	0.223	0.11
6/7/2010	04:00	5.09	08:00	7.91	6.74	05:15	0.32	22:15	0.93	0.68	05:15	0.071	22:15	0.363	0.226	0.226	
6/8/2010	04:15	5.28	07:30	8.25	6.80	02:00	0.32	07:30	1.02	0.69	04:30	0.071	07:30	0.449	0.236	0.236	
6/9/2010	05:00	5.21	07:30	8.14	6.88	01:15	0.33	19:45	1.02	0.70	05:00	0.075	21:45	0.428	0.243	0.243	0.57
6/10/2010	05:00	5.41	07:30	8.25	6.82	04:15	0.33	08:45	1.11	0.75	04:15	0.072	08:45	0.479	0.254	0.254	0.01
6/11/2010	04:15	5.24	07:45	8.01	6.74	02:15	0.33	17:30	1.08	0.72	02:15	0.072	17:30	0.419	0.240	0.240	
6/12/2010	05:00	5.22	10:00	8.06	6.70	02:15	0.33	00:00	1.11	0.72	03:15	0.074	10:00	0.446	0.240	0.240	0.01
6/13/2010	04:30	5.18	10:30	8.06	6.79	03:30	0.33	18:15	1.08	0.74	03:30	0.071	21:30	0.431	0.255	0.255	0.02
6/14/2010	05:00	5.07	09:15	8.07	6.74	05:15	0.39	07:15	1.02	0.70	05:00	0.079	07:15	0.424	0.234	0.234	
6/15/2010	03:45	5.21	07:45	8.11	6.75	03:15	0.30	21:30	0.94	0.59	03:45	0.066	21:30	0.393	0.198	0.198	
6/16/2010	03:45	5.22	08:15	8.00	6.69	03:00	0.34	08:15	0.94	0.64	03:45	0.074	08:15	0.395	0.211	0.211	
6/17/2010	04:45	5.07	07:45	8.15	6.54	04:30	0.33	07:45	0.97	0.61	04:30	0.074	07:45	0.420	0.195	0.195	0.16
6/18/2010	03:15	5.32	08:00	8.20	6.80	01:45	0.35	08:00	1.01	0.67	01:45	0.080	08:00	0.443	0.226	0.226	
6/19/2010	05:00	5.29	10:00	8.07	6.71	04:00	0.32	09:15	0.93	0.64	04:00	0.071	09:15	0.389	0.211	0.211	
6/20/2010	04:30	5.19	12:30	8.11	6.74	02:45	0.33	12:45	0.89	0.58	04:30	0.074	12:45	0.362	0.195	0.195	
6/21/2010	05:00	5.18	07:15	7.93	6.70	02:15	0.32	21:45	0.92	0.62	02:15	0.070	21:45	0.384	0.206	0.206	
6/22/2010	05:00	5.17	21:15	8.89	6.73	02:00	0.35	21:15	0.94	0.62	02:00	0.080	21:15	0.463	0.206	0.206	0.71
6/23/2010	04:45	5.19	08:30	8.16	6.70	02:00	0.32	08:30	0.97	0.65	02:00	0.070	08:30	0.420	0.214	0.214	0.01
6/24/2010	04:45	5.14	08:15	7.95	6.68	04:00	0.36	08:15	0.93	0.65	04:45	0.077	08:15	0.386	0.213	0.213	0.17
6/25/2010	04:30	5.17	09:00	7.97	6.71	03:00	0.34	09:00	0.93	0.65	04:30	0.074	09:00	0.390	0.215	0.215	
6/26/2010	05:15	5.31	10:15	8.49	6.71	03:45	0.34	10:45	0.93	0.62	03:45	0.078	10:45	0.419	0.206	0.206	
6/27/2010	04:30	5.05	12:00	8.15	6.64	03:30	0.34	12:00	0.97	0.62	03:30	0.077	12:00	0.420	0.204	0.204	0.02
6/28/2010	05:15	5.28	10:00	7.86	6.69	04:45	0.33	10:00	0.86	0.63	04:45	0.073	10:00	0.352	0.209	0.209	0.01
6/29/2010	04:45	5.03	08:45	7.88	6.54	06:00	0.36	08:45	0.91	0.62	03:00	0.080	08:45	0.375	0.197	0.197	
6/30/2010	05:00	4.88	12:15	7.57	6.56	03:15	0.32	12:15	0.85	0.60	04:30	0.063	12:15	0.327	0.192	0.192	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.627	3.06
Report Avg	6.75	0.66	0.221	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	04:30	5.08	09:00	7.67	6.47	22:30	0.36	09:00	0.82	0.57	04:30	0.082	09:00	0.324	0.176	0.176	
7/2/2010	04:15	4.92	09:30	7.71	6.45	02:00	0.30	08:45	0.78	0.52	04:15	0.065	08:45	0.309	0.162	0.162	
7/3/2010	04:45	5.10	11:00	7.90	6.60	06:45	0.32	11:00	0.92	0.61	06:45	0.071	11:00	0.378	0.199	0.199	
7/4/2010	05:45	5.06	10:30	7.72	6.49	02:00	0.33	10:30	0.91	0.60	04:15	0.068	10:30	0.362	0.189	0.189	
7/5/2010	05:45	5.16	11:15	7.97	6.68	05:45	0.31	10:45	0.81	0.56	05:45	0.062	10:15	0.327	0.183	0.183	
7/6/2010	04:30	5.17	08:00	7.64	6.57	04:30	0.31	08:00	0.84	0.60	04:30	0.063	08:00	0.328	0.190	0.190	
7/7/2010	04:15	5.15	08:30	7.85	6.58	04:15	0.31	08:00	0.81	0.58	04:15	0.062	08:00	0.312	0.184	0.184	
7/8/2010	05:15	5.00	08:30	7.72	6.64	05:15	0.27	08:30	0.87	0.60	05:15	0.052	08:30	0.346	0.193	0.193	
7/9/2010	05:00	5.71	08:45	7.84	6.72	01:45	0.42	20:30	0.81	0.62	05:00	0.104	11:00	0.297	0.202	0.202	0.09
7/10/2010	05:45	5.02	10:45	7.81	6.58	05:45	0.28	10:45	0.87	0.61	05:45	0.053	10:45	0.354	0.197	0.197	
7/11/2010	06:00	5.04	13:00	7.84	6.62	06:00	0.28	13:00	0.88	0.62	06:00	0.055	13:00	0.358	0.204	0.204	
7/12/2010	04:45	4.86	08:00	7.83	6.64	04:45	0.25	21:15	0.85	0.62	04:45	0.044	21:15	0.336	0.203	0.203	0.01
7/13/2010	04:45	4.98	19:30	7.99	6.67	04:45	0.27	19:30	0.91	0.63	04:45	0.051	19:30	0.382	0.209	0.209	0.70
7/14/2010	05:00	5.04	08:30	8.07	6.81	05:00	0.28	08:30	0.92	0.66	05:00	0.055	08:30	0.394	0.225	0.225	0.36
7/15/2010	04:45	5.06	08:30	8.05	6.66	04:45	0.29	08:30	0.92	0.63	04:45	0.056	08:30	0.392	0.206	0.206	
7/16/2010	05:15	5.15	10:00	7.81	6.71	05:15	0.31	10:00	0.87	0.64	05:15	0.062	10:00	0.353	0.210	0.210	
7/17/2010	05:30	5.20	11:30	8.18	6.88	05:30	0.32	09:15	0.93	0.67	05:30	0.065	09:15	0.401	0.232	0.232	
7/18/2010	05:15	5.31	11:15	8.25	6.89	05:15	0.34	11:15	0.96	0.68	05:15	0.072	11:15	0.424	0.233	0.233	
7/19/2010	04:45	5.03	08:45	8.13	6.77	04:45	0.28	09:30	0.86	0.65	04:45	0.054	09:30	0.372	0.218	0.218	0.41
7/20/2010	04:45	5.06	08:45	7.94	6.62	04:45	0.29	08:45	0.90	0.62	04:45	0.056	08:45	0.374	0.201	0.201	
7/21/2010	04:00	4.96	20:15	8.98	6.67	04:00	0.27	20:15	1.05	0.63	04:00	0.050	20:15	0.524	0.210	0.210	1.20
7/22/2010	04:30	5.13	09:45	7.71	6.58	04:30	0.30	09:45	0.85	0.61	04:30	0.060	09:45	0.339	0.193	0.193	
7/23/2010	04:30	5.00	09:00	7.58	6.46	04:30	0.27	09:00	0.82	0.58	04:30	0.052	09:00	0.319	0.180	0.180	0.15
7/24/2010	03:30	5.20	10:15	7.85	6.57	03:30	0.32	10:15	0.88	0.61	03:30	0.065	10:15	0.360	0.194	0.194	0.01
7/25/2010	05:15	5.28	10:30	7.86	6.67	05:15	0.34	10:30	0.88	0.63	05:15	0.071	10:30	0.361	0.205	0.205	0.67
7/26/2010	04:15	5.11	08:30	7.76	6.49	04:15	0.30	21:30	0.80	0.59	04:15	0.059	21:30	0.303	0.183	0.183	
7/27/2010	03:45	5.10	09:00	7.68	6.51	03:45	0.30	07:30	0.81	0.60	03:45	0.059	07:30	0.310	0.186	0.186	
7/28/2010	04:30	4.96	09:15	7.42	6.34	04:30	0.27	09:15	0.79	0.55	04:30	0.050	09:15	0.297	0.165	0.165	
7/29/2010	04:15	4.89	09:45	7.65	6.41	04:15	0.25	09:45	0.84	0.58	04:15	0.046	09:45	0.330	0.179	0.179	0.14
7/30/2010	04:00	4.86	08:15	7.56	6.41	04:00	0.25	08:15	0.82	0.58	04:00	0.044	08:15	0.317	0.177	0.177	
7/31/2010	05:00	4.96	09:45	7.71	6.49	05:00	0.27	09:45	0.85	0.60	05:00	0.050	09:45	0.339	0.188	0.188	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.076	3.74
Report Avg	6.60	0.61	0.196	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	06:00	4.93	11:00	7.73	6.38	06:00	0.17	11:00	0.88	0.56	06:00	0.032	11:00	0.353	0.177	0.177	
8/2/2010	04:15	4.84	21:00	7.54	6.44	04:15	0.15	21:00	0.84	0.58	04:15	0.026	21:00	0.324	0.184	0.184	
8/3/2010	04:15	5.24	10:15	7.56	6.50	04:15	0.27	10:15	0.85	0.60	04:15	0.055	10:15	0.328	0.188	0.188	
8/4/2010	03:00	5.09	08:15	7.51	6.46	03:00	0.22	07:45	0.91	0.59	03:00	0.044	07:45	0.326	0.184	0.184	
8/5/2010	04:00	4.77	09:45	7.55	6.26	04:00	0.13	09:45	0.85	0.54	04:00	0.022	09:45	0.326	0.161	0.161	
8/6/2010	04:15	4.81	09:45	7.53	6.30	04:15	0.14	09:45	0.84	0.54	04:15	0.024	09:45	0.323	0.166	0.166	
8/7/2010	04:30	4.91	10:00	7.81	6.40	04:30	0.17	10:00	0.90	0.56	04:30	0.031	10:00	0.366	0.176	0.176	
8/8/2010	05:15	4.88	11:00	7.57	6.32	05:15	0.16	11:00	0.85	0.55	05:15	0.029	11:00	0.329	0.170	0.170	
8/9/2010	04:45	4.76	07:30	7.36	6.39	04:45	0.12	07:30	0.81	0.57	04:45	0.021	07:30	0.299	0.177	0.177	
8/10/2010	04:15	4.80	20:45	7.33	6.22	04:15	0.14	20:45	0.80	0.53	04:15	0.024	20:45	0.294	0.156	0.156	
8/11/2010	03:45	4.78	08:30	7.40	6.28	03:45	0.13	08:30	0.81	0.54	03:45	0.022	08:30	0.304	0.165	0.165	0.03
8/12/2010	04:30	4.68	08:45	7.47	6.25	04:30	0.10	08:45	0.83	0.54	04:30	0.017	08:45	0.315	0.160	0.160	
8/13/2010	03:45	4.77	08:30	7.27	6.31	03:45	0.13	08:30	0.79	0.55	03:45	0.022	08:30	0.285	0.166	0.166	
8/14/2010	04:45	4.72	10:45	7.67	6.27	04:45	0.11	10:45	0.87	0.54	04:45	0.019	10:45	0.344	0.164	0.164	
8/15/2010	03:30	4.78	10:30	7.79	6.38	03:30	0.13	10:30	0.90	0.56	03:30	0.023	10:30	0.363	0.180	0.180	0.61
8/16/2010	04:45	5.07	09:45	7.48	6.53	04:45	0.22	09:45	0.83	0.61	04:45	0.042	09:45	0.316	0.191	0.191	0.42
8/17/2010	04:15	4.86	10:15	7.39	6.33	04:15	0.15	10:15	0.81	0.55	04:15	0.028	10:15	0.302	0.169	0.169	
8/18/2010	04:30	4.90	08:45	7.66	6.40	04:30	0.17	08:45	0.93	0.57	04:30	0.031	08:45	0.364	0.178	0.178	
8/19/2010	04:30	4.85	08:15	7.71	6.37	04:30	0.15	08:15	0.96	0.56	04:30	0.027	08:15	0.382	0.174	0.174	
8/20/2010	04:30	4.90	09:30	7.74	6.32	04:30	0.17	09:30	0.89	0.56	04:30	0.030	09:30	0.355	0.169	0.169	
8/21/2010	04:45	4.82	10:00	8.16	6.32	04:45	0.14	11:45	0.84	0.54	04:45	0.025	10:00	0.364	0.166	0.166	
8/22/2010	05:30	4.66	20:30	13.25	7.40	05:30	0.09	20:30	1.35	0.60	05:30	0.015	20:30	1.120	0.280	0.207	3.59
8/23/2010	23:15	6.35	08:15	8.57	7.46	04:45	0.58	00:00	0.93	0.77	23:15	0.170	08:15	0.419	0.292	0.292	0.35
8/24/2010	04:00	5.49	09:45	8.17	6.90	01:00	0.49	09:45	0.90	0.70	04:00	0.118	09:45	0.390	0.237	0.237	0.12
8/25/2010	03:00	5.64	08:45	8.06	6.98	03:00	0.47	08:45	0.90	0.72	03:00	0.112	08:45	0.382	0.248	0.248	0.19
8/26/2010	04:00	5.47	08:45	8.09	6.87	04:00	0.52	08:00	0.88	0.70	04:00	0.116	08:45	0.375	0.236	0.236	0.05
8/27/2010	04:45	5.20	09:15	7.89	6.66	04:45	0.47	09:15	0.85	0.68	04:45	0.096	09:15	0.352	0.217	0.217	
8/28/2010	05:00	5.22	10:15	8.13	6.69	05:00	0.52	11:00	0.90	0.69	05:00	0.106	11:00	0.381	0.225	0.225	
8/29/2010	05:30	5.05	11:15	7.99	6.44	05:45	0.45	11:30	0.81	0.64	06:00	0.093	11:30	0.333	0.197	0.197	
8/30/2010	04:45	5.04	20:30	7.69	6.67	04:45	0.43	10:00	0.83	0.67	04:45	0.082	20:30	0.329	0.215	0.215	
8/31/2010	04:00	5.22	09:30	7.90	6.63	03:45	0.43	20:45	0.83	0.66	03:45	0.089	08:45	0.333	0.209	0.209	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			5.907	5.36
Report Avg	6.52	0.60	0.192	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH308, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	04:30	5.24	07:30	7.85	6.61	04:45	0.38	07:30	0.81	0.62	04:30	0.084	07:30	0.332	0.197	0.197	
9/2/2010	03:15	5.08	08:00	7.62	6.50	03:15	0.38	08:30	0.79	0.61	03:15	0.074	08:00	0.300	0.189	0.189	
9/3/2010	04:30	5.23	09:30	7.65	6.55	03:30	0.38	09:30	0.79	0.60	03:30	0.080	09:30	0.308	0.188	0.188	
9/4/2010	04:45	5.00	11:00	7.86	6.51	12:45	0.38	11:00	0.83	0.61	03:45	0.078	11:00	0.341	0.188	0.188	
9/5/2010	05:45	4.95	11:30	7.85	6.42	19:30	0.38	11:30	0.82	0.61	05:45	0.085	11:30	0.336	0.185	0.185	
9/6/2010	05:30	4.89	11:00	8.00	6.56	05:30	0.45	13:30	0.85	0.64	05:30	0.082	13:30	0.344	0.202	0.202	
9/7/2010	04:00	4.87	07:45	7.92	6.54	02:45	0.38	07:30	0.88	0.63	02:45	0.077	07:30	0.340	0.198	0.198	
9/8/2010	03:30	4.85	09:30	7.69	6.43	03:30	0.45	09:30	0.83	0.64	03:30	0.080	09:30	0.329	0.195	0.195	0.02
9/9/2010	04:15	4.91	09:30	7.56	6.40	04:15	0.38	10:30	0.88	0.65	04:15	0.070	10:30	0.337	0.198	0.198	
9/10/2010	04:15	4.80	09:15	7.55	6.30	04:15	0.44	09:15	0.85	0.62	04:15	0.077	09:15	0.329	0.182	0.182	
9/11/2010	04:00	4.89	10:15	7.93	6.38	05:00	0.43	12:00	0.90	0.63	05:00	0.078	12:00	0.362	0.192	0.192	
9/12/2010	05:30	4.83	11:45	7.97	6.44	05:45	0.34	20:00	0.85	0.63	05:45	0.065	11:45	0.338	0.194	0.194	
9/13/2010	04:15	4.81	21:15	7.72	6.48	04:15	0.43	07:00	0.83	0.62	04:15	0.076	07:00	0.320	0.192	0.192	
9/14/2010	03:45	4.90	07:15	7.70	6.56	03:45	0.43	11:30	0.83	0.61	03:45	0.078	09:15	0.308	0.191	0.191	0.01
9/15/2010	03:30	4.81	19:45	7.74	6.40	01:15	0.27	19:45	0.85	0.56	01:15	0.055	19:45	0.341	0.171	0.171	
9/16/2010	04:15	4.85	07:15	7.90	6.46	01:45	0.31	08:30	0.81	0.54	04:45	0.065	08:30	0.332	0.168	0.168	0.16
9/17/2010	03:30	4.83	08:45	7.90	6.45	04:30	0.36	07:45	0.90	0.57	04:30	0.069	07:45	0.358	0.175	0.175	0.06
9/18/2010	04:00	4.80	11:45	8.12	6.33	06:15	0.31	11:00	0.90	0.55	06:15	0.061	11:00	0.380	0.166	0.166	
9/19/2010	06:00	4.87	10:15	7.81	6.34	05:00	0.34	12:30	0.79	0.61	05:00	0.065	12:30	0.292	0.181	0.181	
9/20/2010	03:45	4.69	07:15	8.04	6.40	01:30	0.38	12:30	0.85	0.64	04:15	0.070	07:15	0.333	0.195	0.195	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			3.747	0.25
Report Avg	6.45	0.61	0.187	

Site Commentary

Site Information

MH362	
Pipe Dimensions (in.)	Circular (18.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH362 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	4.52	1.25	0.302
Minimum	2.48	0.53	0.051
Maximum	10.59	2.63	1.834
Time of Minimum	8/9/2010 5:15 AM	8/22/2010 5:15 AM	8/22/2010 5:15 AM
Time of Maximum	3/30/2010 1:15 PM	3/30/2010 1:00 PM	3/30/2010 1:00 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	99.60
Velocity (ft/s)	99.60
Quantity (MGD)	99.60

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Site Name:	YORKTOWN_MH-362	Meter Type:	3500	Monitor S/N:	6263	Manhole #:	
Address / Location:	ROUTE 202 (DOWN FROM POLICE DEPARTMENT)			Map Page #:			
				Pipe Height:		18 Inches	
Access:	DRIVE	Type of System:	SANITARY	Pipe Width:		18 Inches	
				Phone Number:			



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 11, 2010	10:43 AM	Manhole Depth:	10 Feet	
Site Hydraulics:	Smooth, slow flow		Manhole Material / Condition:	PRECAST	Good
			Active Drop Connections?		
Upstream Input: (L/S, P/S)			Pipe Material / Condition:	RCP	Good
Upstream Manhole:			Mini System Character:	RESIDENTIAL	
Downstream Manhole:			Telephone Information:		
Depth of Flow (Wet Dof):	8.5 +/- 0.38		Access Pole #:	N/A	
Range (Air Dof):	8 +/- 0.38		Distance From Manhole:	N/A Feet	
Peak Velocity:	1.38 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 16' 49.9" W 73° 47' 32.2"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:

PRESS SN 79037 ULTRA PO 1.5 ****100 FEET OFF ROAD****

SCATTERGRAPH REPORT

MH362

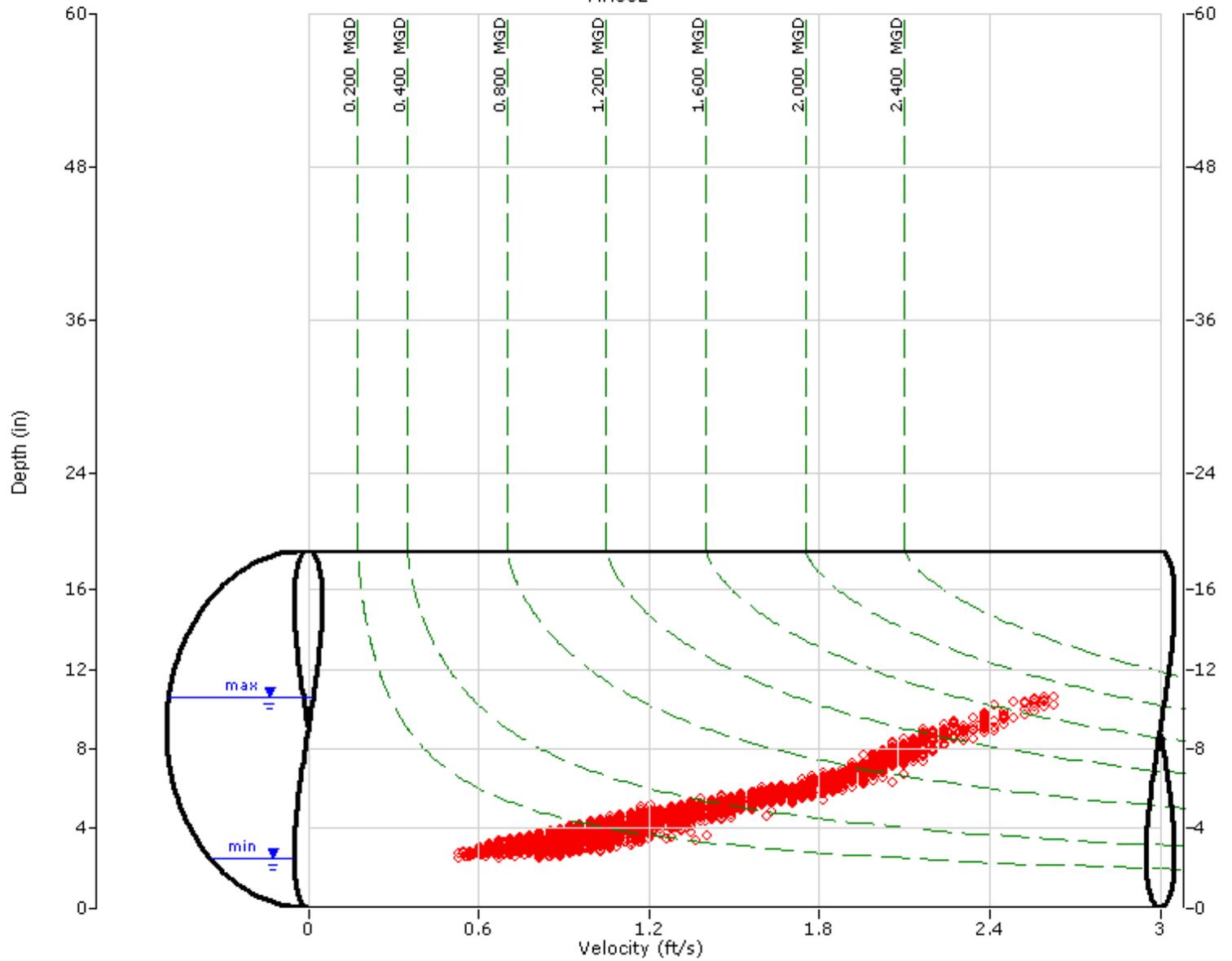
Flow Monitor
MH362

Nominal Diameter
18-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH362

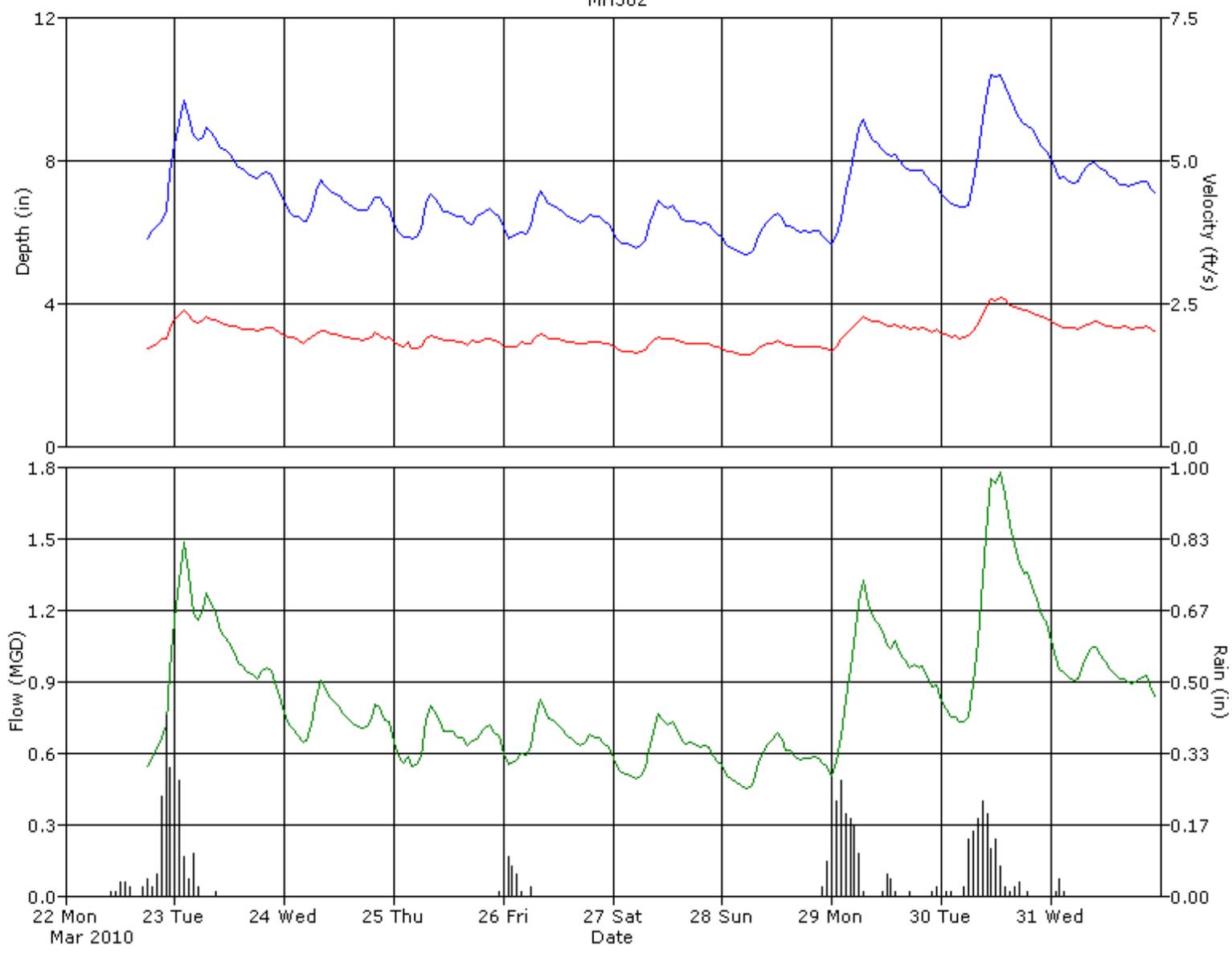
Flow Monitor
MH362

Nominal Diameter
18-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH362

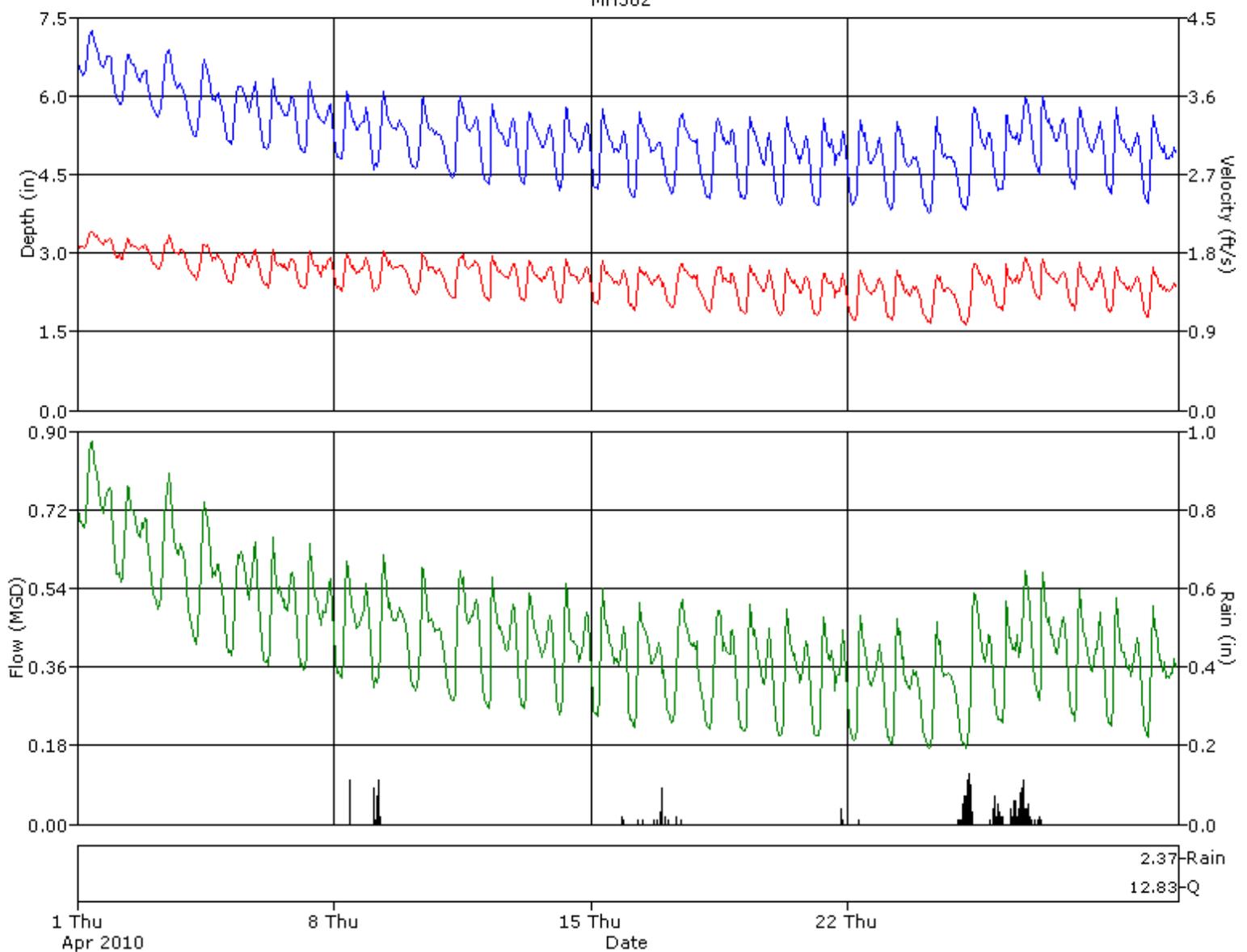
Flow Monitor
MH362

Nominal Diameter
18-in

Report Period
4/1/2010
To
4/30/2010

Legend

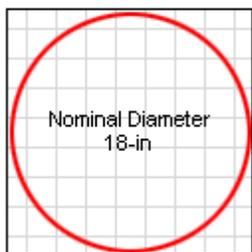
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH362

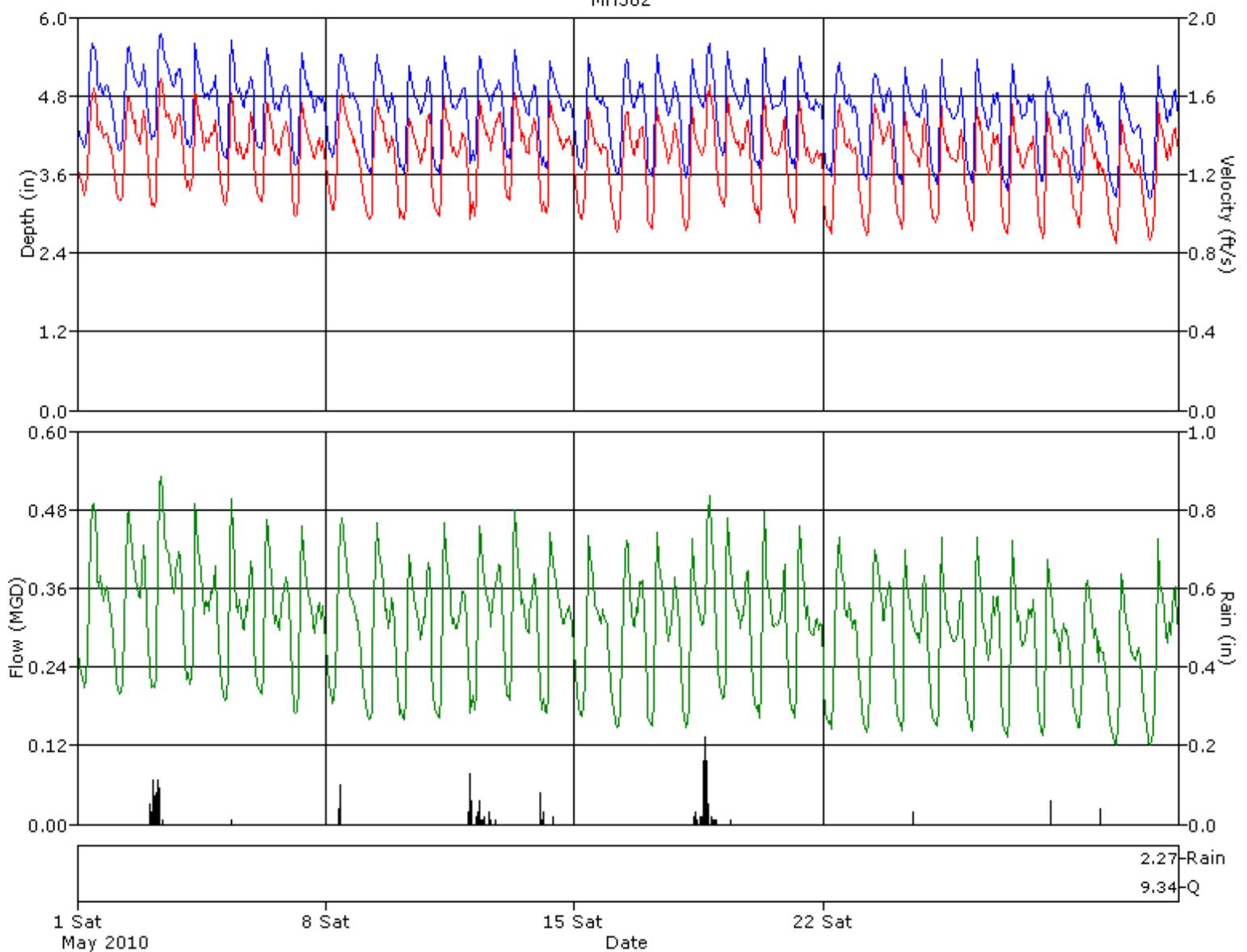
Flow Monitor
MH362



Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH362

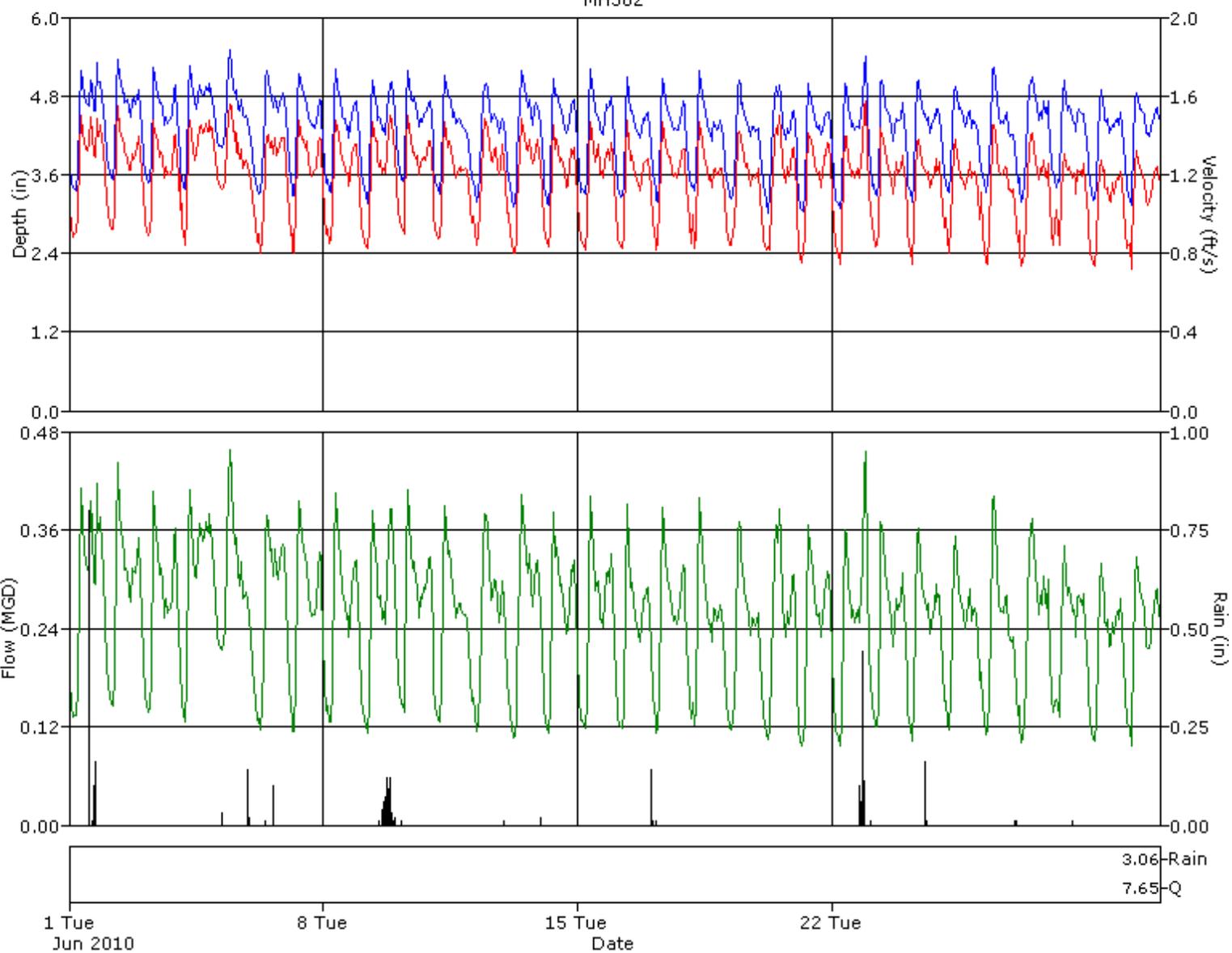
Flow Monitor
MH362

Nominal Diameter
18-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH362

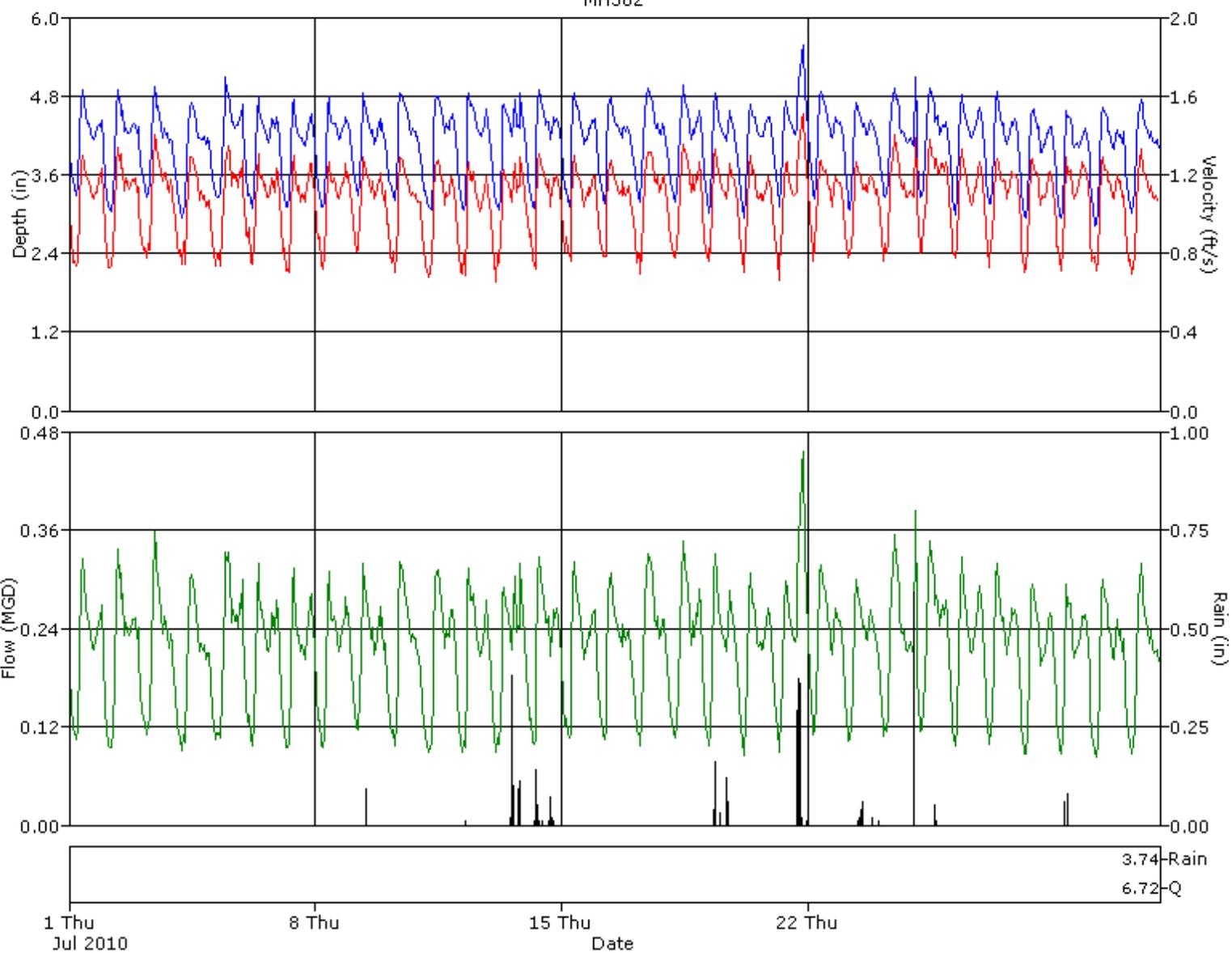
Flow Monitor
MH362

Nominal Diameter
18-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH362

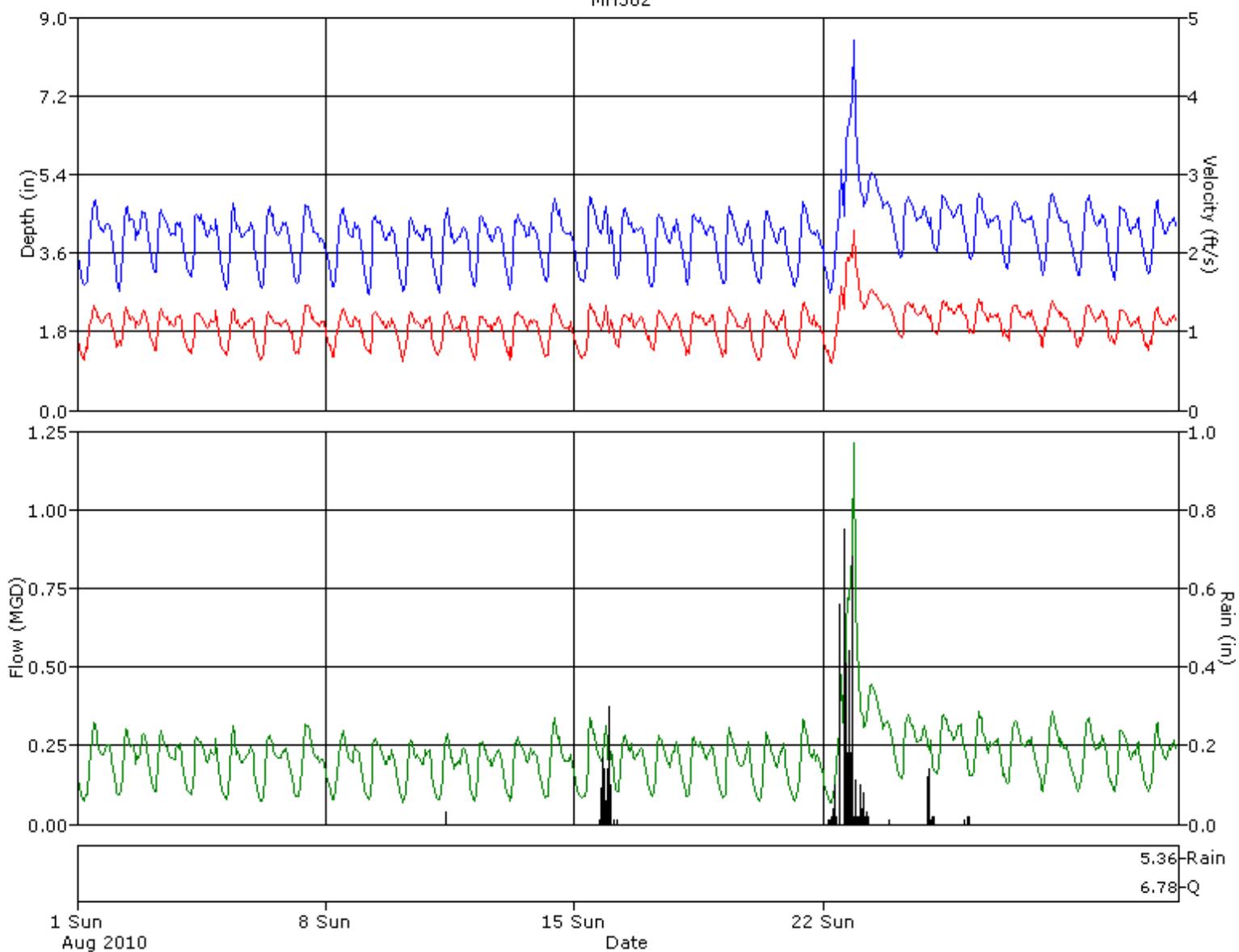
Flow Monitor
MH362

Nominal Diameter
18-in

Report Period
8/1/2010
To
8/31/2010

Legend

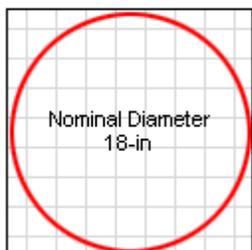
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH362

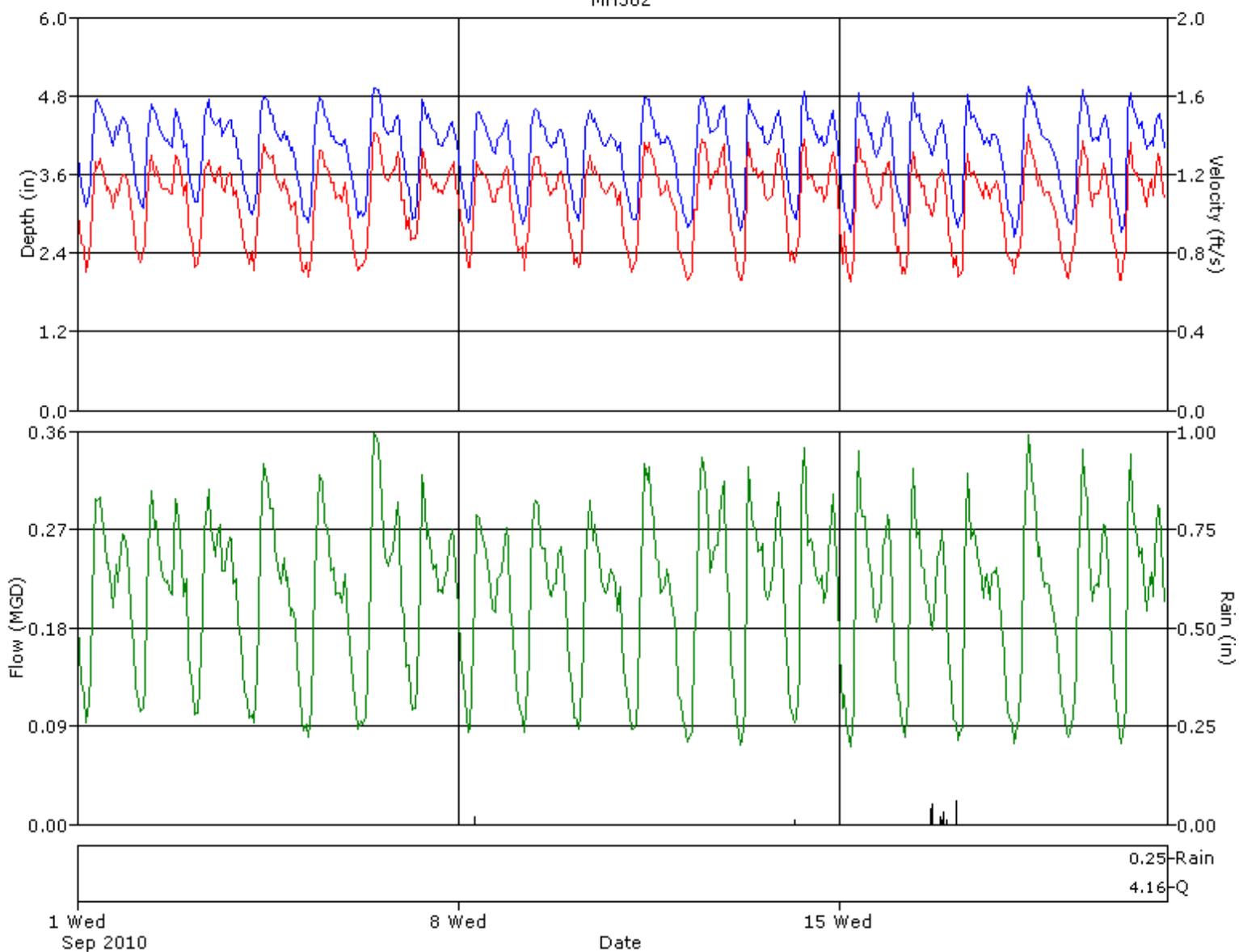
Flow Monitor
MH362



Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	18:30	5.77	23:45	8.06	6.41	18:30	1.69	23:30	2.13	1.83	18:30	0.533	23:45	1.039	0.675	0.169	1.18
3/23/2010	23:30	7.02	02:15	9.79	8.20	16:30	1.95	01:45	2.38	2.13	23:30	0.806	02:15	1.510	1.087	1.087	0.83
3/24/2010	05:00	6.25	08:30	7.57	6.78	05:00	1.79	08:15	2.06	1.91	05:00	0.631	08:15	0.912	0.752	0.752	
3/25/2010	05:00	5.75	07:45	7.10	6.37	05:00	1.66	17:30	1.95	1.82	05:00	0.522	07:45	0.818	0.661	0.661	0.01
3/26/2010	01:15	5.77	08:45	7.25	6.37	01:15	1.67	08:45	1.98	1.82	01:15	0.526	08:45	0.852	0.659	0.659	0.26
3/27/2010	05:30	5.49	10:30	6.89	6.15	05:30	1.63	10:30	1.91	1.77	05:30	0.480	10:30	0.769	0.612	0.612	
3/28/2010	05:15	5.30	12:45	6.59	5.91	05:15	1.58	12:45	1.86	1.71	05:15	0.444	12:45	0.704	0.561	0.561	0.10
3/29/2010	00:00	5.59	07:00	9.25	7.75	00:45	1.63	06:45	2.27	2.06	00:45	0.499	07:00	1.344	0.978	0.978	1.51
3/30/2010	04:45	6.61	13:15	10.59	8.49	04:30	1.85	13:00	2.63	2.24	04:45	0.702	13:00	1.834	1.215	1.215	1.34
3/31/2010	23:45	7.00	00:00	8.16	7.52	17:30	1.99	00:15	2.20	2.09	23:45	0.818	00:00	1.091	0.944	0.944	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			7.637	5.29
Report Avg	7.04	1.95	0.826	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010	05:00	6.36	10:30	7.38	6.74	02:45	1.81	09:30	2.06	1.94	04:45	0.659	09:30	0.895	0.759	0.759	
4/2/2010	05:30	5.82	09:15	6.88	6.33	05:15	1.69	09:30	1.99	1.85	05:15	0.541	09:30	0.791	0.663	0.663	
4/3/2010	05:15	5.55	13:00	6.95	6.16	05:15	1.60	12:30	2.03	1.79	05:15	0.479	12:45	0.823	0.623	0.623	
4/4/2010	05:45	5.19	11:15	6.79	5.90	06:00	1.49	10:30	1.95	1.71	06:15	0.407	11:15	0.757	0.562	0.562	
4/5/2010	05:15	5.02	10:45	6.30	5.76	03:00	1.46	09:30	1.85	1.67	05:15	0.379	21:00	0.654	0.529	0.529	
4/6/2010	05:15	4.96	08:15	6.39	5.63	05:15	1.35	08:15	1.88	1.62	05:15	0.346	08:15	0.684	0.499	0.499	
4/7/2010	05:15	4.88	08:30	6.36	5.54	02:30	1.39	07:45	1.81	1.60	05:15	0.347	08:30	0.654	0.483	0.483	
4/8/2010	05:15	4.77	08:15	6.12	5.40	05:15	1.35	08:00	1.81	1.59	05:15	0.327	08:15	0.620	0.463	0.463	0.11
4/9/2010	02:30	4.56	08:15	6.11	5.34	02:45	1.31	08:00	1.81	1.61	02:45	0.299	08:15	0.619	0.460	0.460	0.30
4/10/2010	05:45	4.57	11:00	6.12	5.22	05:15	1.31	10:15	1.81	1.56	05:15	0.302	11:00	0.608	0.433	0.433	
4/11/2010	05:45	4.42	11:30	6.10	5.20	04:30	1.28	13:15	1.81	1.56	05:30	0.280	11:30	0.605	0.432	0.432	
4/12/2010	05:15	4.29	08:15	6.04	5.11	05:00	1.24	08:15	1.81	1.53	05:15	0.260	08:15	0.609	0.413	0.413	
4/13/2010	05:30	4.22	08:15	5.77	5.05	02:45	1.21	08:15	1.74	1.50	05:30	0.246	08:15	0.549	0.399	0.399	
4/14/2010	04:15	4.11	08:15	5.90	5.02	02:45	1.21	08:30	1.78	1.49	04:15	0.237	08:15	0.567	0.393	0.393	
4/15/2010	04:30	4.17	08:15	5.78	4.96	02:15	1.21	08:15	1.78	1.46	04:30	0.242	08:15	0.563	0.380	0.380	0.03
4/16/2010	04:15	4.00	08:15	5.76	4.89	05:30	1.10	08:15	1.71	1.43	05:30	0.211	08:15	0.537	0.365	0.365	0.22
4/17/2010	05:45	4.10	12:00	5.78	4.94	05:45	1.14	11:00	1.71	1.45	05:45	0.223	12:00	0.540	0.374	0.374	0.06
4/18/2010	06:15	3.98	11:00	5.61	4.89	05:15	1.10	11:00	1.67	1.42	06:15	0.209	11:00	0.508	0.363	0.363	
4/19/2010	06:00	3.97	08:15	5.67	4.82	05:15	1.07	11:00	1.71	1.39	06:00	0.199	08:15	0.515	0.349	0.349	
4/20/2010	03:00	3.88	08:45	5.63	4.79	02:45	1.07	08:15	1.67	1.38	03:00	0.193	08:15	0.500	0.342	0.342	
4/21/2010	02:45	3.80	08:45	5.61	4.78	02:30	1.03	08:15	1.63	1.36	02:45	0.181	08:15	0.495	0.336	0.336	0.05
4/22/2010	03:15	3.92	08:45	5.63	4.77	04:15	0.99	08:15	1.67	1.34	05:45	0.183	08:15	0.494	0.331	0.331	0.01
4/23/2010	04:15	3.74	08:15	5.55	4.66	04:15	0.99	08:00	1.63	1.33	04:15	0.171	08:15	0.478	0.318	0.318	
4/24/2010	05:45	3.59	10:45	5.62	4.63	05:45	0.96	10:45	1.60	1.29	05:45	0.155	10:45	0.487	0.308	0.308	
4/25/2010	05:00	3.72	11:30	5.87	4.86	05:15	0.92	12:15	1.71	1.37	05:15	0.161	11:30	0.551	0.351	0.351	0.65
4/26/2010	02:45	4.08	20:45	6.11	5.12	05:30	1.10	20:15	1.78	1.46	05:30	0.216	20:45	0.607	0.400	0.400	0.88
4/27/2010	05:15	4.43	08:00	6.07	5.27	05:15	1.21	08:00	1.75	1.50	05:15	0.264	08:00	0.594	0.421	0.421	0.06
4/28/2010	04:15	4.22	08:00	5.90	5.03	04:15	1.14	07:45	1.71	1.42	04:15	0.232	08:00	0.555	0.377	0.377	
4/29/2010	05:30	4.09	08:00	5.86	4.92	04:15	1.10	07:45	1.67	1.39	05:30	0.215	08:00	0.538	0.358	0.358	
4/30/2010	05:30	3.91	08:15	5.70	4.80	05:00	1.05	08:00	1.63	1.36	05:00	0.195	08:15	0.508	0.339	0.339	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			12.826	2.37
Report Avg	5.22	1.51	0.428	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	05:15	3.95	10:45	5.82	4.79	05:15	1.08	10:45	1.71	1.37	05:15	0.200	10:45	0.545	0.340	0.340	
5/2/2010	05:45	3.83	10:45	5.81	4.79	06:45	1.03	10:45	1.67	1.34	05:45	0.185	10:45	0.533	0.335	0.335	
5/3/2010	02:15	4.03	07:45	5.81	4.97	02:15	0.99	09:15	1.71	1.38	02:15	0.190	09:15	0.540	0.363	0.363	0.56
5/4/2010	04:15	3.96	08:15	5.66	4.79	02:15	1.10	09:30	1.67	1.37	04:15	0.205	08:15	0.502	0.338	0.338	
5/5/2010	05:15	3.72	08:00	5.80	4.72	03:00	0.96	08:00	1.67	1.32	03:00	0.164	08:00	0.531	0.322	0.322	0.01
5/6/2010	04:45	3.88	07:45	5.62	4.68	05:15	1.03	07:45	1.63	1.33	05:15	0.187	07:45	0.498	0.320	0.320	
5/7/2010	05:30	3.57	08:15	5.54	4.60	03:15	0.92	08:00	1.60	1.29	05:30	0.148	08:15	0.478	0.303	0.303	
5/8/2010	05:30	3.78	11:30	5.54	4.65	05:30	0.96	11:30	1.67	1.32	05:30	0.167	11:30	0.498	0.316	0.316	0.14
5/9/2010	06:00	3.48	11:00	5.56	4.53	05:15	0.89	11:45	1.63	1.28	06:00	0.137	11:45	0.472	0.298	0.298	
5/10/2010	05:15	3.55	08:15	5.34	4.55	02:45	0.92	21:15	1.60	1.29	05:15	0.147	21:15	0.439	0.300	0.300	
5/11/2010	05:45	3.58	08:45	5.49	4.55	05:00	0.96	08:30	1.67	1.29	05:00	0.156	08:30	0.489	0.300	0.300	
5/12/2010	03:00	3.70	08:15	5.45	4.64	02:45	0.92	08:00	1.60	1.33	02:45	0.157	08:00	0.465	0.316	0.316	0.46
5/13/2010	04:15	3.75	08:15	5.56	4.62	04:15	1.03	07:45	1.67	1.35	04:15	0.178	08:15	0.501	0.318	0.318	
5/14/2010	05:15	3.59	08:15	5.39	4.55	05:00	0.96	08:15	1.63	1.31	05:15	0.155	08:15	0.470	0.304	0.304	0.14
5/15/2010	05:30	3.55	10:30	5.48	4.55	05:30	0.89	10:30	1.60	1.27	05:30	0.142	10:30	0.471	0.296	0.296	
5/16/2010	06:30	3.45	12:00	5.51	4.55	04:30	0.89	10:45	1.56	1.27	06:30	0.141	12:00	0.463	0.296	0.296	
5/17/2010	04:15	3.50	08:30	5.50	4.54	05:45	0.85	08:00	1.56	1.27	05:45	0.135	08:15	0.455	0.296	0.296	
5/18/2010	04:45	3.41	20:15	5.74	4.68	02:45	0.89	20:00	1.71	1.31	04:45	0.134	20:00	0.531	0.321	0.321	0.81
5/19/2010	04:00	3.80	08:30	5.54	4.69	04:00	0.99	08:00	1.63	1.33	04:00	0.175	08:15	0.486	0.319	0.319	0.02
5/20/2010	05:15	3.61	08:30	5.56	4.60	05:30	0.92	08:30	1.67	1.30	05:30	0.154	08:30	0.501	0.307	0.307	
5/21/2010	05:15	3.59	08:45	5.50	4.58	05:15	0.92	08:00	1.60	1.27	05:15	0.149	08:45	0.473	0.296	0.296	
5/22/2010	06:00	3.41	11:30	5.39	4.50	05:30	0.82	11:30	1.60	1.25	06:00	0.124	11:30	0.460	0.287	0.287	
5/23/2010	06:30	3.35	12:45	5.30	4.44	06:30	0.82	11:00	1.56	1.26	06:30	0.120	12:45	0.439	0.286	0.286	
5/24/2010	05:30	3.24	08:30	5.28	4.44	06:00	0.82	08:30	1.56	1.27	05:30	0.119	08:30	0.437	0.285	0.285	0.03
5/25/2010	05:15	3.29	07:45	5.37	4.45	03:00	0.89	07:45	1.67	1.26	03:00	0.134	07:45	0.477	0.285	0.285	
5/26/2010	05:15	3.35	08:00	5.41	4.44	05:30	0.85	08:00	1.56	1.26	05:30	0.128	08:00	0.462	0.283	0.283	
5/27/2010	05:00	3.21	08:00	5.37	4.42	05:00	0.78	08:00	1.60	1.23	05:00	0.108	08:00	0.457	0.276	0.276	
5/28/2010	04:30	3.32	08:15	5.26	4.33	06:00	0.82	08:45	1.56	1.22	06:00	0.123	08:15	0.425	0.264	0.264	0.06
5/29/2010	05:45	3.29	10:45	5.15	4.26	05:45	0.89	11:45	1.49	1.20	05:45	0.127	10:45	0.393	0.254	0.254	0.04
5/30/2010	06:15	3.07	10:45	5.21	4.15	06:15	0.78	10:45	1.56	1.17	06:15	0.101	10:45	0.429	0.240	0.240	
5/31/2010	05:15	3.07	11:00	5.46	4.29	06:45	0.82	11:00	1.60	1.23	05:15	0.106	11:00	0.468	0.269	0.269	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			9.336	2.27
Report Avg	4.56	1.29	0.301	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	05:15	3.20	15:00	5.41	4.48	05:15	0.82	14:30	1.71	1.26	05:15	0.112	14:30	0.491	0.291	0.291	1.07
6/2/2010	05:30	3.30	08:30	5.44	4.51	06:00	0.85	08:00	1.60	1.25	05:30	0.127	08:15	0.458	0.286	0.286	
6/3/2010	04:45	3.32	08:00	5.41	4.42	04:45	0.85	07:45	1.53	1.22	04:45	0.123	08:00	0.441	0.273	0.273	
6/4/2010	04:30	3.26	08:00	5.31	4.53	05:45	0.78	07:45	1.63	1.29	04:30	0.115	07:45	0.458	0.300	0.300	
6/5/2010	05:30	3.96	10:30	5.54	4.58	04:00	1.10	10:15	1.60	1.30	04:00	0.206	10:15	0.470	0.302	0.302	0.19
6/6/2010	05:45	3.12	11:30	5.29	4.36	06:45	0.71	12:00	1.46	1.20	06:45	0.097	12:00	0.396	0.266	0.266	0.11
6/7/2010	05:45	3.14	08:00	5.20	4.33	05:45	0.71	08:00	1.53	1.21	05:45	0.095	08:00	0.418	0.264	0.264	
6/8/2010	05:45	3.25	08:00	5.32	4.30	05:00	0.78	08:00	1.53	1.20	05:45	0.110	08:00	0.431	0.259	0.259	
6/9/2010	05:00	3.11	08:00	5.11	4.30	04:15	0.78	20:00	1.53	1.22	05:00	0.103	20:30	0.404	0.265	0.265	0.57
6/10/2010	05:45	3.28	08:30	5.24	4.37	04:45	0.89	08:00	1.56	1.23	05:45	0.129	08:00	0.428	0.269	0.269	0.01
6/11/2010	05:45	3.22	08:30	5.24	4.26	05:00	0.78	07:45	1.49	1.18	05:00	0.109	08:30	0.413	0.252	0.252	
6/12/2010	05:30	2.95	11:00	5.20	4.23	05:30	0.78	10:30	1.53	1.21	05:30	0.095	11:00	0.418	0.256	0.256	0.01
6/13/2010	05:00	3.04	11:30	5.33	4.24	06:30	0.75	11:30	1.56	1.18	06:30	0.097	11:30	0.442	0.253	0.253	0.02
6/14/2010	05:15	2.97	08:00	5.17	4.26	02:45	0.78	08:00	1.53	1.18	05:15	0.098	08:00	0.414	0.253	0.253	
6/15/2010	02:30	3.16	08:15	5.36	4.28	06:00	0.75	08:00	1.49	1.19	02:30	0.105	08:15	0.425	0.255	0.255	
6/16/2010	05:15	3.13	08:45	5.21	4.20	05:15	0.75	08:15	1.53	1.16	05:15	0.099	08:15	0.404	0.243	0.243	
6/17/2010	05:30	2.99	08:30	5.23	4.23	04:30	0.78	08:30	1.49	1.19	05:30	0.104	08:30	0.411	0.250	0.250	0.16
6/18/2010	05:15	3.28	08:30	5.33	4.22	03:15	0.78	07:45	1.56	1.17	03:15	0.114	08:15	0.414	0.244	0.244	
6/19/2010	05:15	3.17	10:45	5.20	4.17	05:30	0.78	09:15	1.46	1.16	05:30	0.106	10:00	0.378	0.239	0.239	
6/20/2010	05:30	2.81	13:45	5.23	4.11	05:15	0.71	13:45	1.60	1.15	06:45	0.091	13:45	0.440	0.237	0.237	
6/21/2010	05:15	2.84	08:30	5.09	4.15	03:00	0.71	08:15	1.49	1.17	03:00	0.086	08:15	0.390	0.242	0.242	
6/22/2010	05:00	2.97	21:45	5.72	4.24	05:15	0.71	21:45	1.74	1.17	05:00	0.092	21:45	0.543	0.253	0.253	0.71
6/23/2010	04:15	3.13	09:00	5.18	4.25	04:15	0.75	08:00	1.49	1.16	04:15	0.099	09:00	0.396	0.247	0.247	0.01
6/24/2010	05:30	3.00	09:15	5.23	4.26	05:30	0.68	09:15	1.42	1.14	05:30	0.085	09:15	0.392	0.244	0.244	0.17
6/25/2010	04:30	3.22	09:30	5.03	4.28	05:15	0.75	08:30	1.39	1.14	05:15	0.103	09:30	0.361	0.242	0.242	
6/26/2010	05:15	3.23	11:00	5.45	4.27	05:45	0.71	10:45	1.56	1.14	05:45	0.099	10:45	0.456	0.244	0.244	
6/27/2010	06:15	3.15	12:30	5.17	4.27	07:00	0.68	11:15	1.46	1.12	07:00	0.094	12:15	0.387	0.241	0.241	0.02
6/28/2010	04:15	3.28	09:30	5.07	4.28	05:15	0.75	09:00	1.31	1.12	05:15	0.107	09:15	0.345	0.239	0.239	0.01
6/29/2010	04:45	3.02	09:15	4.99	4.17	04:15	0.68	09:15	1.35	1.07	04:15	0.091	09:15	0.348	0.221	0.221	
6/30/2010	06:00	2.98	09:15	4.94	4.18	03:15	0.68	09:15	1.39	1.08	05:15	0.087	09:15	0.353	0.225	0.225	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			7.651	3.06
Report Avg	4.29	1.18	0.255	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	05:45	3.25	09:45	4.95	4.16	05:30	0.69	10:00	1.35	1.07	05:30	0.099	10:00	0.341	0.219	0.219	
7/2/2010	05:30	2.99	09:15	5.04	4.08	03:15	0.64	09:30	1.39	1.08	03:15	0.080	09:30	0.344	0.219	0.219	
7/3/2010	05:45	3.09	10:30	5.17	4.10	05:45	0.64	10:30	1.46	1.10	05:45	0.083	10:30	0.395	0.222	0.222	
7/4/2010	05:45	2.81	10:30	4.80	3.95	05:30	0.71	10:30	1.35	1.05	05:45	0.085	10:30	0.331	0.202	0.202	
7/5/2010	07:00	3.11	11:30	5.13	4.17	04:30	0.68	13:30	1.39	1.07	07:00	0.089	13:30	0.359	0.224	0.224	
7/6/2010	05:30	2.97	09:30	4.99	4.09	04:30	0.68	09:30	1.35	1.08	05:30	0.083	09:30	0.349	0.217	0.217	
7/7/2010	05:15	3.00	09:00	4.84	4.06	05:15	0.60	10:15	1.35	1.06	05:15	0.076	10:15	0.328	0.212	0.212	
7/8/2010	06:15	3.02	09:30	4.96	4.09	05:00	0.68	21:30	1.35	1.08	04:30	0.090	09:30	0.337	0.216	0.216	
7/9/2010	05:15	3.19	09:30	4.86	4.16	04:45	0.75	09:00	1.31	1.10	05:15	0.102	09:30	0.327	0.223	0.223	0.09
7/10/2010	06:15	3.14	10:45	5.13	4.12	06:30	0.68	10:45	1.42	1.05	06:30	0.091	10:45	0.381	0.213	0.213	
7/11/2010	07:00	2.82	11:30	5.03	4.07	05:15	0.60	10:45	1.35	1.03	07:00	0.071	10:45	0.351	0.208	0.208	
7/12/2010	04:30	2.90	09:30	4.93	4.14	04:45	0.60	12:00	1.35	1.03	04:45	0.078	09:30	0.325	0.210	0.210	0.01
7/13/2010	05:15	2.97	16:00	5.08	4.13	03:30	0.64	15:45	1.42	1.06	03:45	0.084	16:00	0.376	0.218	0.218	0.70
7/14/2010	05:30	2.89	09:30	5.03	4.13	05:30	0.66	08:45	1.35	1.08	05:30	0.079	09:30	0.352	0.221	0.221	0.36
7/15/2010	05:45	3.04	09:15	4.90	4.11	06:00	0.68	08:45	1.31	1.06	04:30	0.090	09:00	0.328	0.215	0.215	
7/16/2010	05:15	3.02	10:15	4.87	4.11	05:30	0.71	10:15	1.31	1.06	05:30	0.095	10:15	0.328	0.214	0.214	
7/17/2010	06:00	2.99	11:15	5.09	4.14	06:00	0.66	11:15	1.35	1.07	06:00	0.082	11:15	0.359	0.221	0.221	
7/18/2010	05:15	3.12	11:45	5.20	4.10	04:45	0.75	11:30	1.39	1.09	05:00	0.101	11:45	0.369	0.220	0.220	
7/19/2010	04:45	2.91	10:00	5.00	4.05	05:00	0.68	08:45	1.35	1.07	04:45	0.081	09:15	0.342	0.214	0.214	0.41
7/20/2010	05:15	2.77	09:30	4.98	4.03	04:15	0.66	09:30	1.39	1.05	05:15	0.075	09:30	0.357	0.208	0.208	
7/21/2010	05:15	3.00	20:45	6.47	4.31	04:30	0.64	20:45	1.74	1.11	04:30	0.081	20:45	0.643	0.246	0.246	1.20
7/22/2010	05:00	3.17	09:00	4.94	4.21	04:30	0.71	00:15	1.33	1.09	04:45	0.100	08:15	0.331	0.226	0.226	
7/23/2010	05:00	2.90	09:15	4.82	4.08	04:00	0.64	08:30	1.36	1.07	04:00	0.084	08:30	0.321	0.213	0.213	0.15
7/24/2010	05:45	3.20	11:00	5.00	4.10	04:45	0.71	11:00	1.42	1.09	04:45	0.099	11:00	0.368	0.220	0.220	0.01
7/25/2010	05:30	3.11	01:15	5.82	4.26	05:30	0.75	01:30	1.60	1.17	05:30	0.099	01:15	0.503	0.247	0.247	0.67
7/26/2010	04:00	2.85	09:00	4.86	4.11	05:30	0.71	09:30	1.35	1.08	05:30	0.084	09:30	0.332	0.219	0.219	
7/27/2010	04:30	2.94	09:45	4.94	4.10	05:00	0.68	08:15	1.35	1.09	04:30	0.087	09:30	0.331	0.219	0.219	
7/28/2010	05:15	2.75	10:00	4.71	3.95	04:15	0.64	21:45	1.35	1.07	04:45	0.073	10:00	0.304	0.205	0.205	
7/29/2010	05:00	2.70	08:45	4.66	3.93	05:00	0.57	08:00	1.35	1.08	05:00	0.061	08:00	0.308	0.205	0.205	0.14
7/30/2010	05:00	2.62	09:00	4.77	3.95	05:30	0.64	08:45	1.31	1.06	05:30	0.069	09:00	0.318	0.204	0.204	
7/31/2010	05:15	2.92	11:30	4.80	4.00	05:15	0.64	11:30	1.35	1.04	05:15	0.077	11:30	0.330	0.203	0.203	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.722	3.74
Report Avg	4.10	1.07	0.217	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	06:30	2.76	12:30	4.93	3.92	04:30	0.60	11:00	1.35	1.05	04:30	0.068	11:15	0.337	0.201	0.201	
8/2/2010	05:15	2.56	10:45	4.74	3.95	04:45	0.68	09:30	1.35	1.08	04:45	0.080	09:30	0.316	0.208	0.208	
8/3/2010	05:00	2.93	09:30	4.69	3.99	04:30	0.71	09:15	1.31	1.07	05:00	0.086	09:30	0.311	0.207	0.207	
8/4/2010	05:00	2.86	09:30	4.66	3.95	03:45	0.64	22:15	1.35	1.05	05:00	0.079	22:15	0.308	0.201	0.201	
8/5/2010	05:00	2.53	11:00	4.88	3.90	05:30	0.65	09:15	1.31	1.04	05:30	0.070	09:45	0.320	0.197	0.197	
8/6/2010	05:15	2.58	10:00	4.81	3.91	04:30	0.60	09:30	1.28	1.02	05:15	0.063	10:00	0.305	0.194	0.194	
8/7/2010	05:45	2.81	10:30	4.89	3.85	06:45	0.64	10:45	1.42	1.06	06:45	0.077	10:30	0.347	0.197	0.197	
8/8/2010	04:45	2.67	12:00	4.77	3.83	04:45	0.57	12:15	1.31	1.03	04:45	0.060	12:15	0.313	0.191	0.191	
8/9/2010	05:15	2.48	10:15	4.69	3.83	03:45	0.64	10:15	1.31	1.04	05:15	0.064	10:15	0.312	0.192	0.192	
8/10/2010	05:15	2.50	09:30	4.49	3.80	04:45	0.57	09:15	1.28	1.04	04:30	0.062	09:30	0.277	0.189	0.189	
8/11/2010	05:15	2.52	10:30	4.69	3.80	04:00	0.64	21:45	1.31	1.02	05:00	0.068	10:30	0.303	0.187	0.187	0.03
8/12/2010	05:00	2.74	09:15	4.56	3.85	05:00	0.60	08:15	1.24	1.01	05:00	0.066	09:15	0.283	0.187	0.187	
8/13/2010	04:45	2.64	10:45	4.52	3.85	05:30	0.60	08:45	1.28	1.03	05:30	0.068	10:45	0.284	0.192	0.192	
8/14/2010	05:15	2.87	11:15	5.05	3.94	04:45	0.60	11:00	1.42	1.02	04:45	0.074	11:00	0.365	0.197	0.197	
8/15/2010	06:00	2.84	12:00	4.99	3.96	05:30	0.60	12:00	1.42	1.03	06:00	0.070	12:00	0.367	0.203	0.203	0.61
8/16/2010	05:15	2.83	09:45	4.75	4.03	05:15	0.67	15:00	1.28	1.09	05:15	0.077	09:45	0.300	0.212	0.212	0.42
8/17/2010	04:30	2.68	09:30	4.61	3.84	05:45	0.68	09:30	1.35	1.07	04:30	0.076	09:30	0.312	0.196	0.196	
8/18/2010	05:30	2.69	09:00	4.60	3.92	04:45	0.64	10:15	1.31	1.05	06:15	0.077	09:00	0.295	0.199	0.199	
8/19/2010	04:45	2.74	09:15	4.67	3.87	04:45	0.57	09:15	1.31	1.04	04:45	0.062	09:15	0.310	0.194	0.194	
8/20/2010	05:00	2.77	10:00	4.70	3.87	05:00	0.57	10:00	1.31	1.02	05:00	0.063	10:00	0.312	0.192	0.192	
8/21/2010	05:15	2.73	12:30	4.90	3.85	04:45	0.60	11:00	1.42	1.04	04:45	0.066	11:00	0.348	0.195	0.195	
8/22/2010	05:15	2.50	21:00	9.49	4.77	05:15	0.53	21:00	2.45	1.31	05:15	0.051	21:00	1.496	0.387	0.387	3.59
8/23/2010	23:30	4.34	00:00	5.59	4.94	05:00	1.24	00:30	1.81	1.39	23:30	0.264	00:15	0.531	0.357	0.357	0.35
8/24/2010	04:45	3.30	09:45	4.96	4.32	04:45	0.85	09:45	1.42	1.21	04:45	0.121	09:45	0.364	0.259	0.259	0.12
8/25/2010	03:45	3.53	08:45	4.95	4.43	02:30	0.96	10:30	1.46	1.23	03:45	0.152	10:30	0.371	0.273	0.273	0.19
8/26/2010	04:30	3.35	09:15	5.12	4.27	04:45	0.89	09:15	1.42	1.19	04:45	0.134	09:15	0.381	0.251	0.251	0.05
8/27/2010	05:30	3.16	10:45	4.88	4.18	05:30	0.76	10:00	1.42	1.16	05:30	0.103	10:00	0.353	0.239	0.239	
8/28/2010	05:30	2.97	11:45	5.11	4.13	05:00	0.71	11:15	1.42	1.13	05:00	0.090	11:45	0.379	0.230	0.230	
8/29/2010	04:15	2.95	12:30	5.10	4.07	04:15	0.71	12:30	1.39	1.11	04:15	0.087	12:30	0.369	0.222	0.222	
8/30/2010	04:45	2.78	08:30	4.78	4.05	05:15	0.68	09:30	1.31	1.10	05:15	0.078	09:30	0.314	0.217	0.217	
8/31/2010	04:45	2.88	09:30	4.98	4.07	05:45	0.73	09:30	1.39	1.08	04:45	0.087	09:30	0.357	0.215	0.215	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.781	5.36
Report Avg	4.03	1.09	0.219	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH362, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	04:45	2.95	09:15	5.01	4.10	04:15	0.64	08:45	1.31	1.07	04:15	0.080	09:15	0.341	0.215	0.215	
9/2/2010	05:00	2.98	09:15	4.78	4.05	05:30	0.68	20:00	1.42	1.08	05:30	0.085	20:00	0.337	0.215	0.215	
9/3/2010	04:30	3.03	10:30	4.94	4.09	04:30	0.60	15:00	1.36	1.08	04:30	0.077	10:30	0.344	0.217	0.217	
9/4/2010	05:15	2.89	10:45	5.05	3.98	04:45	0.68	10:45	1.39	1.07	05:00	0.088	10:45	0.364	0.208	0.208	
9/5/2010	04:30	2.74	11:45	4.83	3.92	06:45	0.60	11:45	1.39	1.04	06:45	0.069	11:45	0.342	0.199	0.199	
9/6/2010	04:45	2.80	11:15	5.00	4.01	05:15	0.64	11:00	1.42	1.08	05:15	0.075	11:15	0.368	0.217	0.217	
9/7/2010	04:30	2.79	08:30	4.82	3.99	05:45	0.71	08:15	1.35	1.11	05:45	0.087	08:30	0.332	0.214	0.214	
9/8/2010	05:15	2.75	09:30	4.68	3.95	04:30	0.71	08:00	1.31	1.08	05:15	0.078	08:00	0.303	0.206	0.206	0.02
9/9/2010	04:00	2.68	10:00	4.75	3.92	05:30	0.68	09:30	1.35	1.07	04:30	0.076	10:00	0.325	0.204	0.204	
9/10/2010	05:30	2.81	09:15	4.68	3.91	05:15	0.60	10:15	1.31	1.06	05:15	0.070	09:15	0.302	0.200	0.200	
9/11/2010	06:00	2.72	10:45	5.03	3.92	04:45	0.60	10:45	1.42	1.06	04:45	0.070	10:45	0.371	0.205	0.205	
9/12/2010	04:30	2.67	12:15	4.82	3.95	04:30	0.61	11:00	1.39	1.07	04:30	0.064	12:15	0.341	0.211	0.211	
9/13/2010	04:45	2.58	07:45	4.84	3.98	04:45	0.57	08:00	1.42	1.07	04:45	0.058	08:00	0.349	0.212	0.212	
9/14/2010	05:30	2.79	08:00	4.99	4.04	05:30	0.66	08:00	1.46	1.10	05:30	0.074	08:00	0.376	0.218	0.218	0.01
9/15/2010	05:00	2.60	08:00	5.04	3.95	05:00	0.58	07:30	1.42	1.07	05:00	0.059	08:00	0.363	0.208	0.208	
9/16/2010	05:45	2.73	08:00	4.88	3.96	04:45	0.55	07:45	1.35	1.04	04:45	0.062	08:00	0.338	0.202	0.202	0.16
9/17/2010	04:30	2.64	08:00	5.00	3.92	06:00	0.59	08:00	1.39	1.04	06:00	0.064	08:00	0.358	0.199	0.199	0.06
9/18/2010	05:00	2.54	11:45	5.05	3.90	05:45	0.56	11:30	1.42	1.05	05:45	0.055	11:45	0.374	0.202	0.202	
9/19/2010	05:15	2.68	11:30	5.09	3.93	05:15	0.55	11:15	1.46	1.03	05:15	0.059	11:15	0.378	0.200	0.200	
9/20/2010	04:45	2.54	08:00	5.12	3.97	04:00	0.55	08:00	1.46	1.06	04:45	0.055	08:00	0.390	0.209	0.209	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			4.160	0.25
Report Avg	3.97	1.07	0.208	

Site Commentary

Site Information

MH567	
Pipe Dimensions (in.)	Circular (18.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH567 indicate this location experienced hydraulic jumps during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . A hydraulic jump develops when flow transitions between supercritical and subcritical conditions, which can arise in any sewer with near or above critical velocity. The jump may be caused by imperfections in the pipe and/or a fixed downstream condition. Standing waves are also likely in flow near critical velocity. Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location. However it is possible that during the transition as the jump moves through the meter location, the flow rate calculation based on measured depth and velocity can have momentary error.

Daily [longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	3.49	2.20	0.368
Minimum	1.79	0.65	0.040
Maximum	7.62	5.12	2.311
Time of Minimum	9/17/2010 4:45 AM	7/13/2010 3:45 AM	7/13/2010 3:45 AM
Time of Maximum	3/30/2010 12:00 PM	3/30/2010 10:00 AM	3/30/2010 10:45 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in the table below.

Percent Uptime	
Depth (in)	99.27
Velocity (ft/s)	99.27
Quantity (MGD)	99.27

a division of ADS LLC.

Site Name:	YORKTOWN_MH-567	Meter Type:	FLOW SHARK	Monitor S/N:	16065	Manhole #:	
Address / Location:	HAYMAKER ROAD (END OF ROAD - EASEMENT)			Map Page #:	N/A		
Access:	Walk (Wooded)	Type of System:	SANITARY	Pipe Height:	18 Inches		
				Pipe Width:	18 Inches		
				Phone Number:	I.P. 166.213.163.48		



Investigation Information:		Manhole Information:	
Date/Time of Investigation:	March 11, 2010	Manhole Depth:	10 Feet 3 Inches
Site Hydraulics:	FAST, GOOD	Manhole Material / Condition:	Precast Fair
Upstream Input: (L/S, P/S)		Active Drop Connections?	
Upstream Manhole:		Pipe Material / Condition:	Concrete Fair
Downstream Manhole:		Mini System Character:	RESIDENTIAL
Depth of Flow (Wet Dof):	4.63 +/- 0.38	Telephone Information:	
Range (Air Dof):	11.63 +/- 0.38	Access Pole #:	N/A
Peak Velocity:	4.7 fps	Distance From Manhole:	N/A Feet
Silt:	0 Inches	Road Cut Length:	N/A Feet
		Trench Length:	N/A Feet

Other Information:
N 41° 17' 19.1" W 73° 47' 5.1"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:

PRESS SN 77947 ULTRA PO

SCATTERGRAPH REPORT

MH567

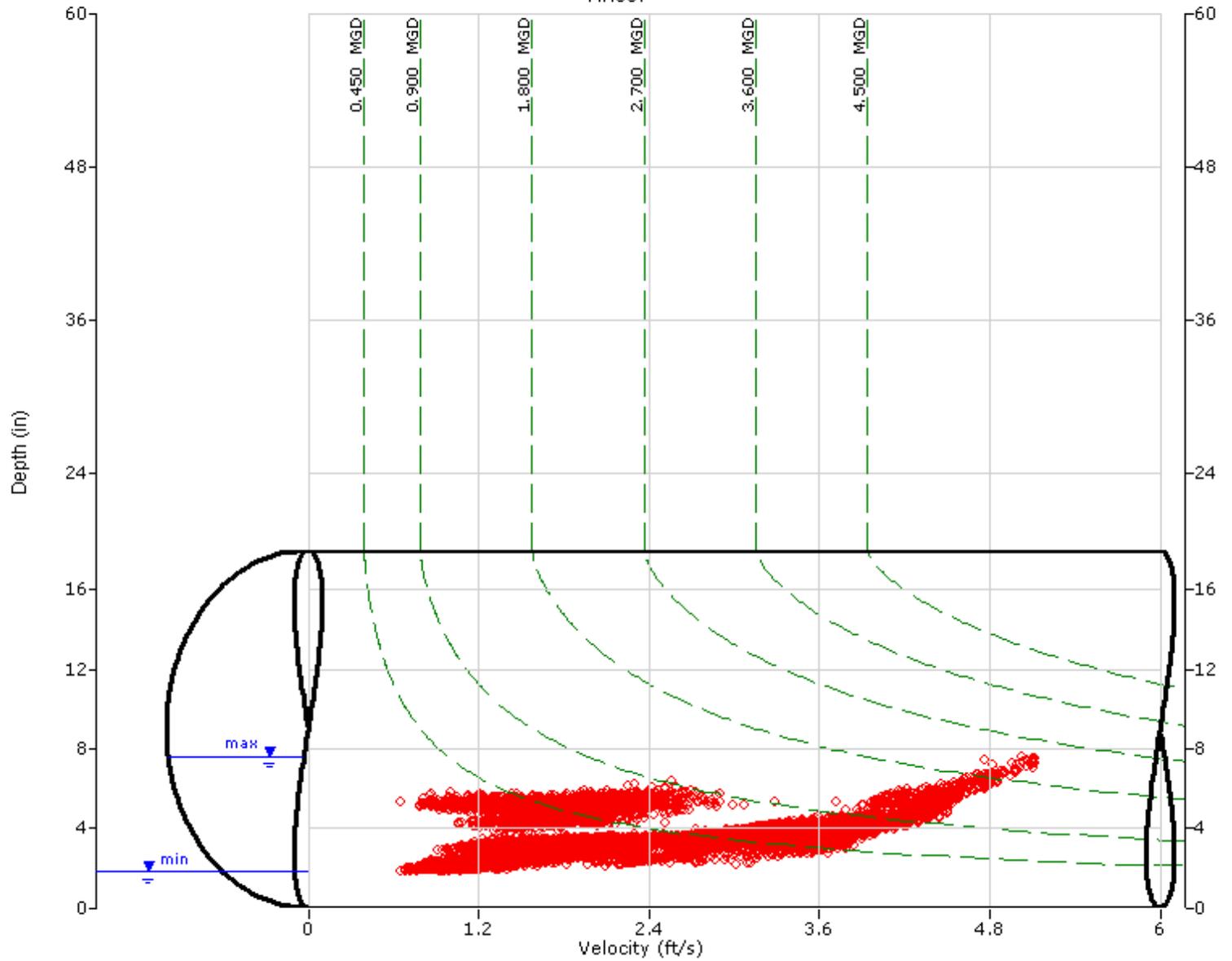
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH567

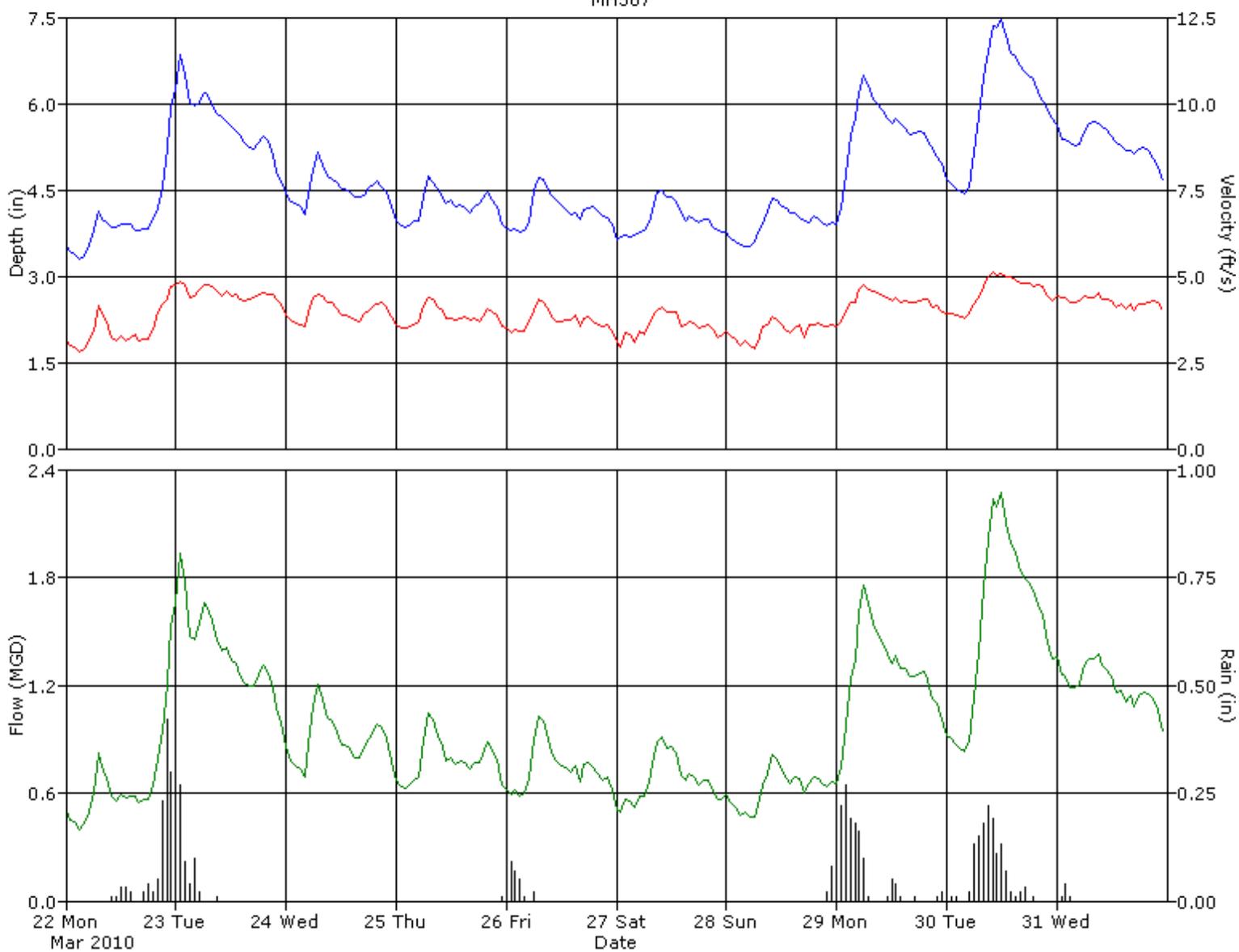
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567

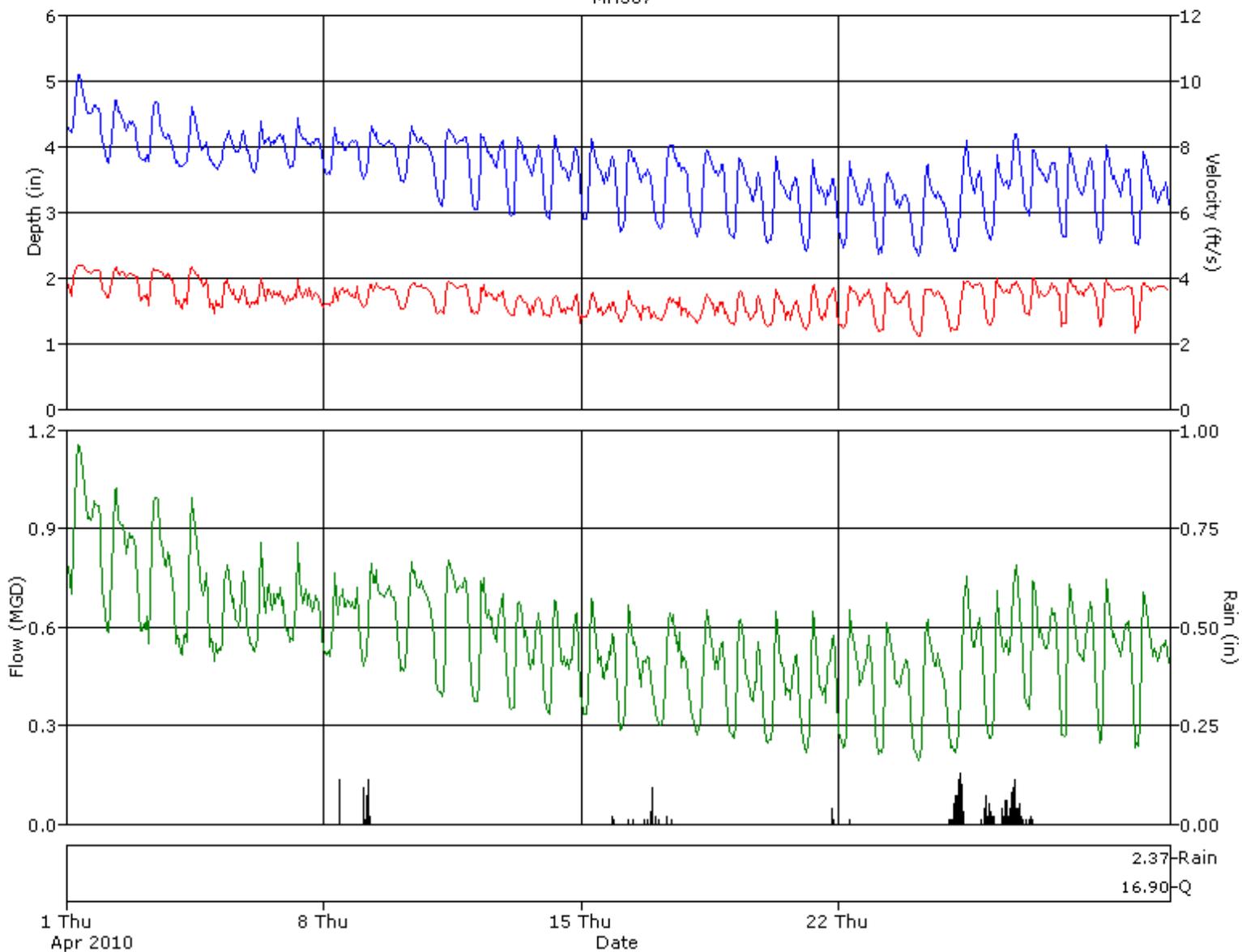
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567

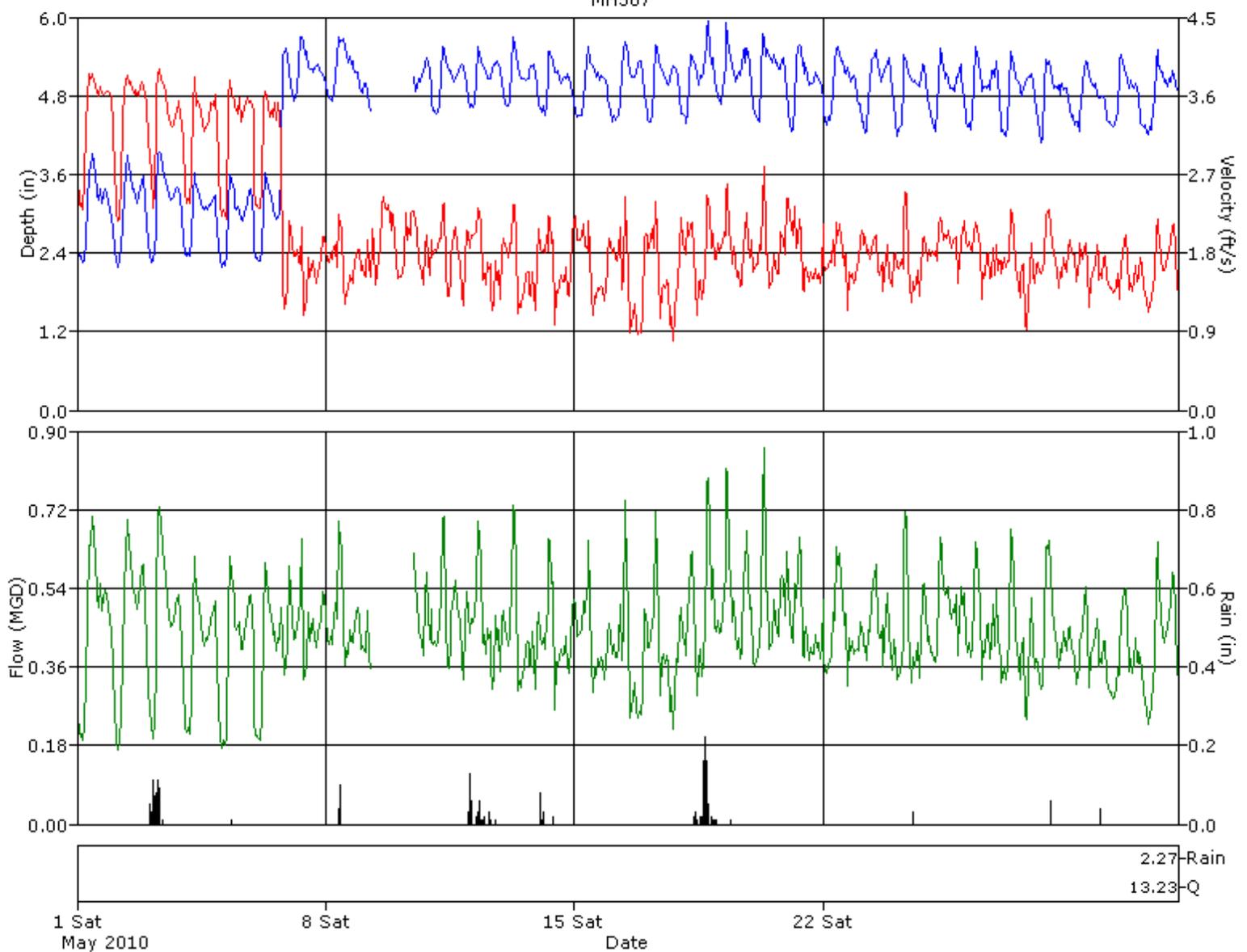
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567

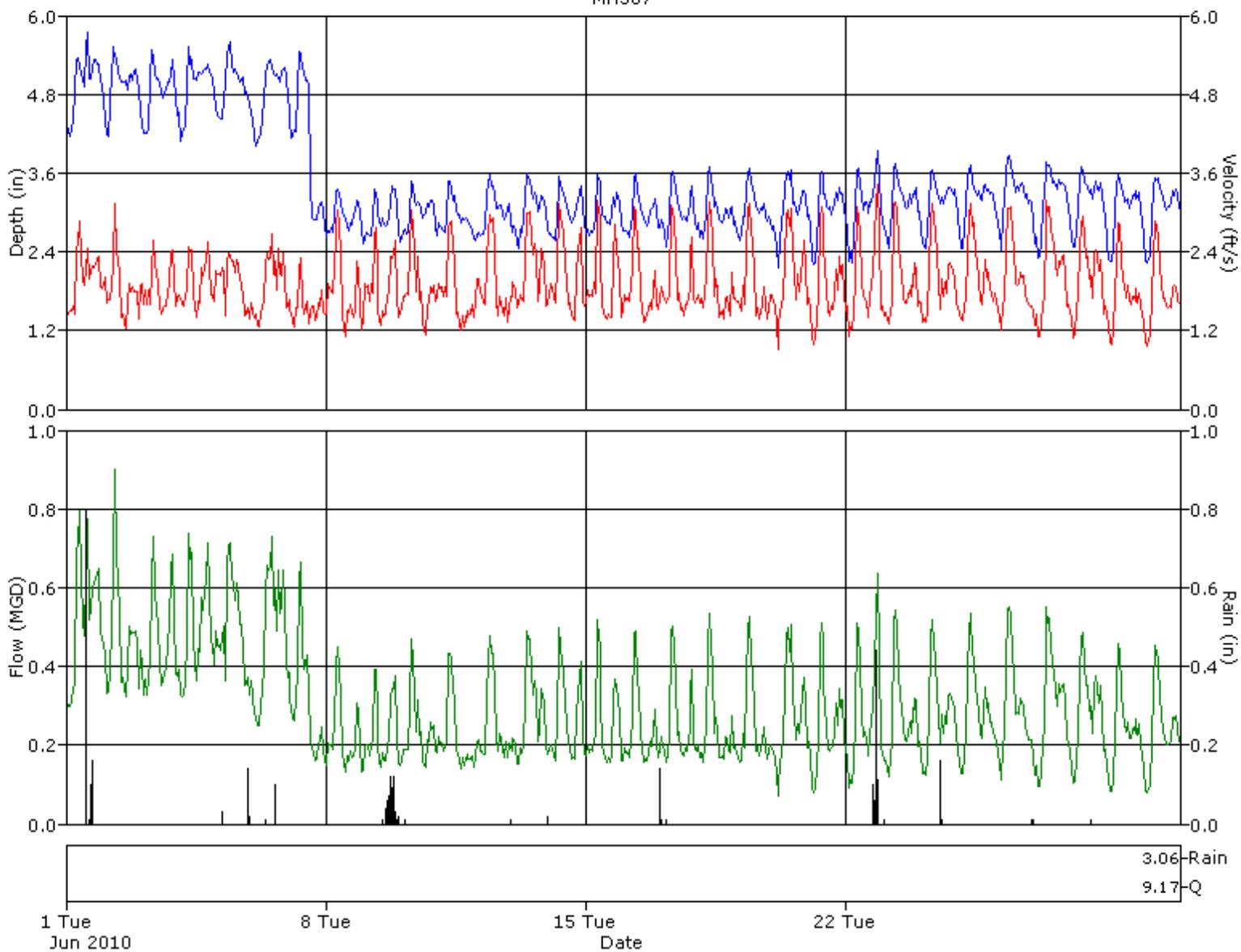
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567

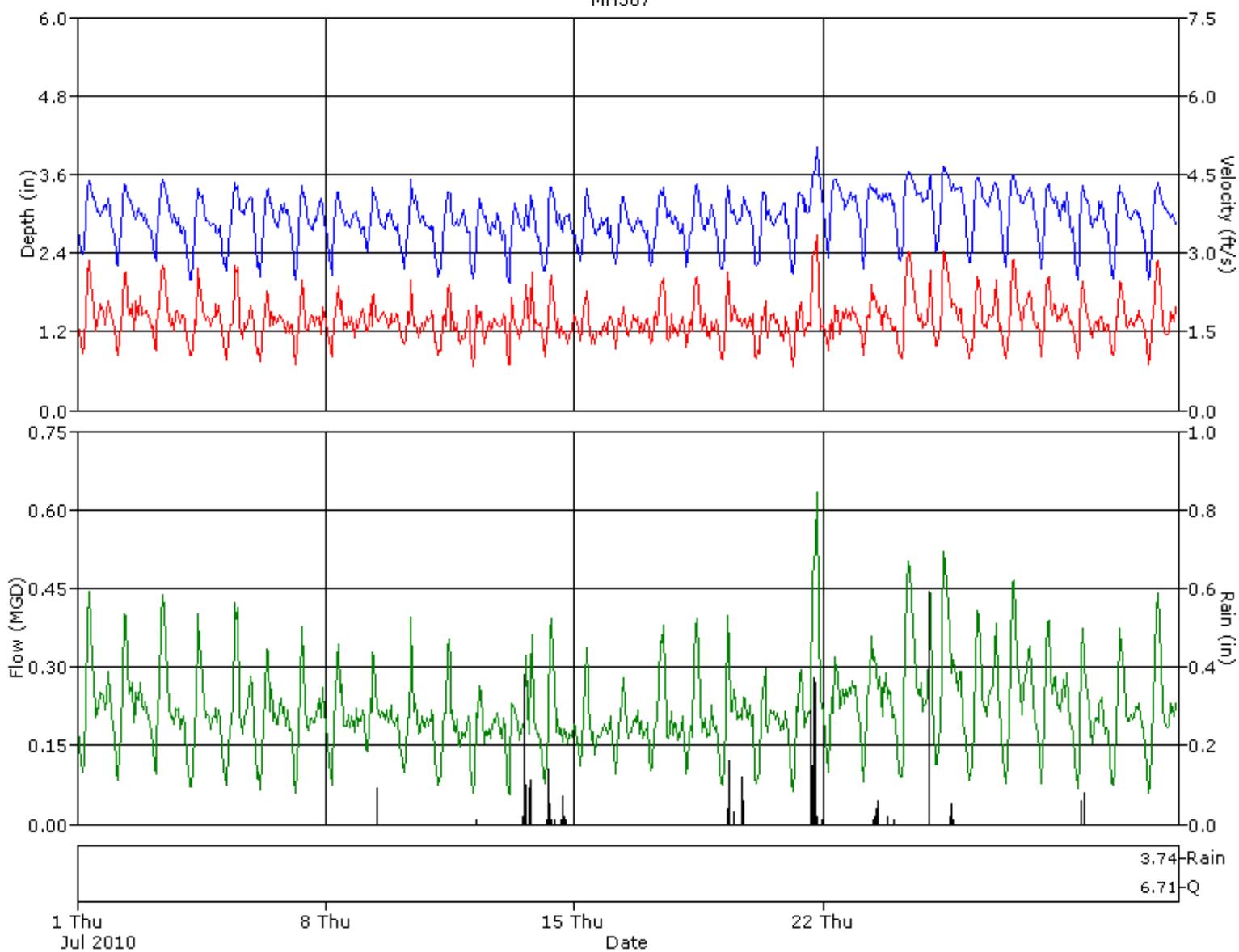
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567

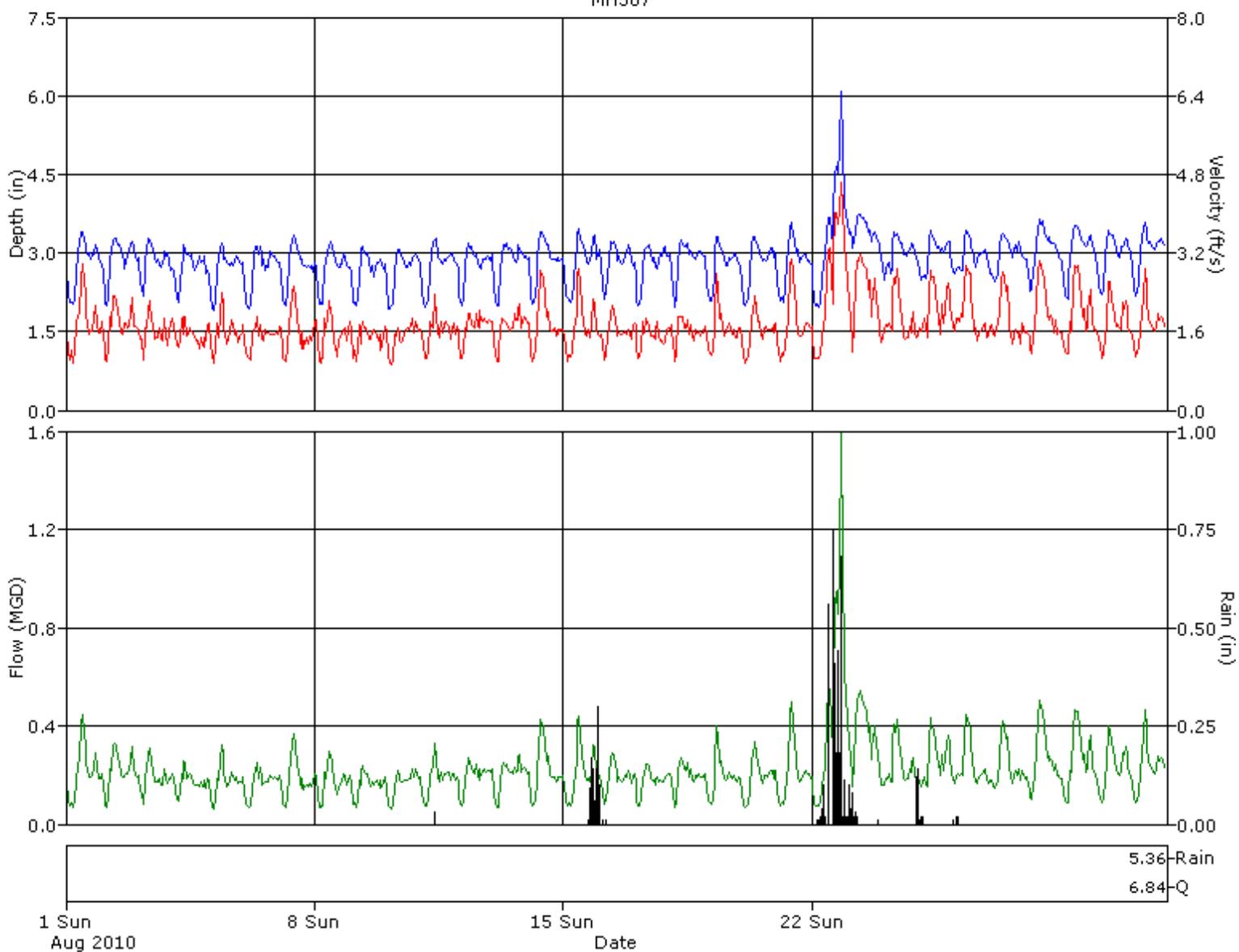
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567

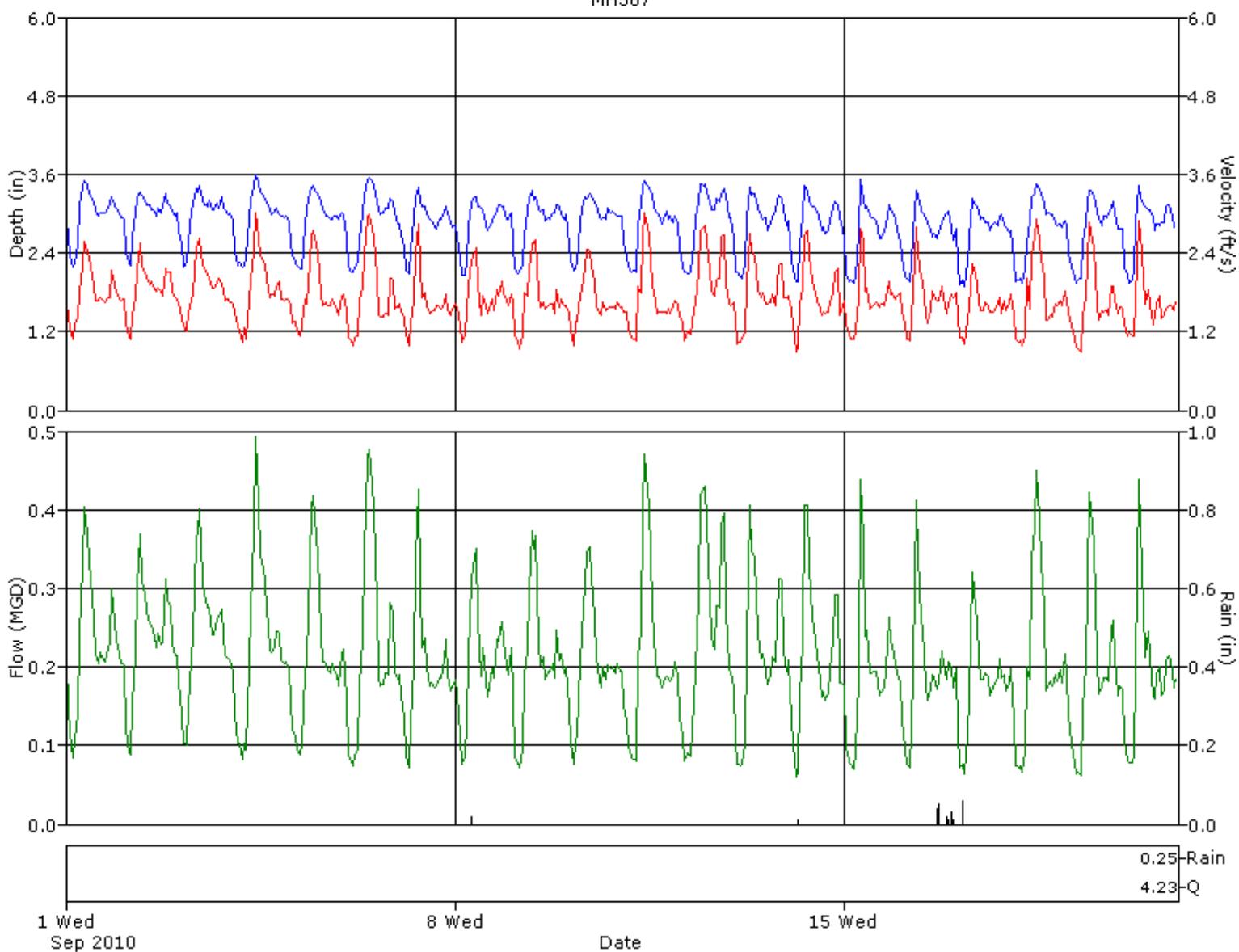
Flow Monitor
MH567

Nominal Diameter
18-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:30	3.25	23:45	6.04	3.95	03:30	2.74	23:45	4.77	3.43	03:30	0.385	23:45	1.604	0.659	0.659	1.18
3/23/2010	23:45	4.59	01:15	6.87	5.67	23:45	4.04	01:00	4.88	4.50	23:45	0.928	01:30	1.950	1.397	1.397	0.83
3/24/2010	04:15	3.94	07:15	5.33	4.51	17:45	3.43	06:45	4.50	3.98	04:15	0.656	07:15	1.268	0.897	0.897	
3/25/2010	02:00	3.80	07:30	4.76	4.21	23:15	3.24	07:15	4.43	3.82	23:15	0.599	07:15	1.067	0.782	0.782	0.01
3/26/2010	01:15	3.61	08:00	4.89	4.13	01:15	3.04	08:15	4.42	3.70	01:15	0.496	08:00	1.100	0.738	0.738	0.26
3/27/2010	01:15	3.56	10:00	4.60	3.98	01:15	2.66	10:00	4.35	3.54	01:15	0.426	10:00	1.001	0.669	0.669	
3/28/2010	03:15	3.47	10:00	4.43	3.91	03:30	2.54	10:15	3.96	3.41	03:30	0.393	10:15	0.846	0.627	0.627	0.10
3/29/2010	00:00	3.77	06:00	6.53	5.50	00:00	3.41	06:30	4.78	4.26	00:00	0.592	06:00	1.784	1.274	1.274	1.51
3/30/2010	03:00	4.39	12:00	7.62	6.02	03:00	3.74	10:00	5.12	4.53	03:00	0.807	10:45	2.311	1.557	1.557	1.34
3/31/2010	23:15	4.61	00:00	5.76	5.32	23:30	3.70	00:00	4.64	4.26	23:30	0.857	00:00	1.461	1.204	1.204	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			9.804	5.29
Report Avg	4.72	3.94	0.980	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010	04:15	4.16	08:45	5.18	4.57	04:45	3.33	11:45	4.51	4.12	04:45	0.674	09:45	1.195	0.945	0.945	
4/2/2010	04:15	3.71	09:30	4.76	4.25	00:15	3.21	09:45	4.40	3.95	04:15	0.567	09:45	1.048	0.819	0.819	
4/3/2010	02:00	3.68	12:00	4.80	4.12	06:15	2.87	09:30	4.45	3.86	02:00	0.491	11:30	1.060	0.769	0.769	
4/4/2010	03:15	3.62	10:00	4.72	3.98	04:30	2.76	09:45	4.38	3.66	04:30	0.456	10:00	1.034	0.696	0.696	
4/5/2010	03:45	3.59	10:45	4.30	3.95	00:45	2.78	07:45	4.13	3.42	01:45	0.465	07:45	0.817	0.637	0.637	
4/6/2010	03:30	3.56	07:30	4.53	4.01	01:30	2.86	07:30	4.17	3.45	01:30	0.482	07:30	0.939	0.657	0.657	
4/7/2010	02:45	3.61	07:15	4.53	4.01	00:30	3.05	07:45	4.02	3.46	02:45	0.526	07:15	0.905	0.659	0.659	
4/8/2010	04:30	3.53	07:30	4.37	3.94	00:30	2.92	07:45	4.03	3.44	04:30	0.494	07:30	0.833	0.638	0.638	0.11
4/9/2010	03:30	3.41	07:30	4.42	3.97	03:30	2.97	07:30	3.90	3.57	03:30	0.446	07:30	0.848	0.671	0.671	0.30
4/10/2010	04:45	3.40	10:30	4.44	3.92	04:45	2.95	10:30	4.01	3.53	04:45	0.443	10:30	0.879	0.655	0.655	
4/11/2010	05:15	3.03	10:15	4.30	3.84	03:15	2.73	10:15	3.91	3.48	05:15	0.370	10:15	0.818	0.629	0.629	
4/12/2010	02:00	3.00	07:30	4.29	3.72	00:45	2.83	07:00	3.80	3.32	02:00	0.362	07:00	0.762	0.574	0.574	
4/13/2010	01:45	2.89	07:45	4.17	3.62	17:00	2.62	08:45	3.76	3.13	01:45	0.334	08:45	0.744	0.520	0.520	
4/14/2010	03:45	2.85	07:30	4.24	3.57	23:45	2.60	08:00	3.63	3.07	03:45	0.323	08:00	0.715	0.501	0.501	
4/15/2010	01:45	2.83	07:30	4.15	3.50	06:00	2.53	08:00	3.78	3.05	01:45	0.318	08:00	0.753	0.482	0.482	0.03
4/16/2010	02:30	2.66	07:45	4.05	3.43	15:15	2.48	07:15	3.64	2.99	02:30	0.277	07:45	0.696	0.459	0.459	0.22
4/17/2010	03:30	2.68	10:30	4.11	3.45	22:15	2.43	16:00	3.61	3.02	03:30	0.282	10:30	0.705	0.469	0.469	0.06
4/18/2010	04:00	2.62	10:15	3.98	3.39	04:00	2.60	10:45	3.62	3.03	04:00	0.268	10:30	0.665	0.460	0.460	
4/19/2010	03:30	2.55	07:30	3.95	3.26	14:45	2.32	07:45	3.91	3.00	03:30	0.252	08:00	0.688	0.430	0.430	
4/20/2010	02:45	2.45	07:15	3.92	3.19	17:45	2.33	07:45	3.85	2.98	02:45	0.230	07:45	0.682	0.417	0.417	
4/21/2010	02:15	2.34	07:00	3.82	3.15	02:15	2.36	07:45	3.98	3.07	02:15	0.206	07:45	0.696	0.423	0.423	0.05
4/22/2010	03:00	2.40	07:30	3.83	3.14	00:45	2.27	07:45	3.98	3.21	00:45	0.210	07:45	0.701	0.440	0.440	0.01
4/23/2010	02:00	2.32	08:00	3.70	3.08	03:30	2.09	08:00	3.91	3.15	03:30	0.192	08:00	0.661	0.421	0.421	
4/24/2010	04:30	2.26	10:00	3.85	3.05	04:45	2.07	10:00	3.89	3.13	04:45	0.175	10:00	0.696	0.417	0.417	
4/25/2010	04:45	2.27	12:15	4.17	3.23	01:15	2.16	10:45	4.08	3.35	04:45	0.192	12:15	0.790	0.486	0.486	0.65
4/26/2010	02:15	2.48	20:30	4.29	3.44	02:15	2.49	20:15	4.06	3.45	02:15	0.236	20:30	0.834	0.542	0.542	0.88
4/27/2010	04:15	2.91	07:30	4.02	3.51	05:00	2.71	07:30	4.14	3.50	05:00	0.337	07:30	0.788	0.557	0.557	0.06
4/28/2010	03:45	2.53	07:30	4.05	3.35	01:45	2.38	08:30	3.97	3.47	01:15	0.247	07:30	0.760	0.521	0.521	
4/29/2010	02:45	2.49	07:30	4.10	3.32	02:45	2.49	07:15	3.98	3.48	02:45	0.238	07:15	0.768	0.517	0.517	
4/30/2010	04:00	2.43	07:30	4.06	3.22	02:45	2.21	07:30	3.93	3.44	02:45	0.210	07:30	0.759	0.489	0.489	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			16.901	2.37
Report Avg	3.61	3.36	0.563	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	04:30	2.21	10:15	4.03	3.10	04:30	2.25	08:30	3.94	3.40	04:30	0.180	10:15	0.741	0.462	0.462	
5/2/2010	04:45	2.12	10:00	3.92	3.09	04:45	1.97	10:00	3.89	3.33	04:45	0.149	10:00	0.714	0.454	0.454	
5/3/2010	02:00	2.16	09:15	4.02	3.19	04:00	2.24	08:00	3.97	3.34	03:00	0.184	08:15	0.748	0.471	0.471	0.56
5/4/2010	04:00	2.27	07:15	3.67	3.02	01:45	2.23	07:45	3.90	3.24	01:45	0.188	07:45	0.636	0.421	0.421	
5/5/2010	02:45	2.05	07:30	3.71	2.97	05:30	2.02	07:30	3.79	3.22	02:45	0.150	07:30	0.643	0.411	0.411	0.01
5/6/2010	04:30	2.20	21:15	5.58	3.46	21:00	1.00	07:45	3.77	2.77	04:30	0.178	23:30	0.650	0.399	0.399	
5/7/2010	02:00	4.68	07:30	5.88	5.18	09:45	0.85	07:30	2.47	1.69	10:00	0.255	07:30	0.799	0.457	0.457	
5/8/2010	04:15	4.65	09:00	5.83	5.20	13:30	1.14	09:00	2.39	1.71	13:30	0.336	09:00	0.767	0.467	0.467	0.14
5/9/2010	06:00	4.47	02:15	5.05	4.85	10:45	1.34	15:15	2.49	1.93	06:00	0.340	04:45	0.525	0.408	0.110	
5/10/2010	13:15	4.69	20:15	5.48	5.11	18:15	1.27	12:45	2.52	1.85	18:15	0.348	12:45	0.684	0.483	0.232	
5/11/2010	03:15	4.49	07:30	5.60	5.05	20:15	1.03	08:00	2.88	1.79	20:15	0.287	08:00	0.873	0.470	0.470	
5/12/2010	04:15	4.58	07:45	5.69	5.08	17:15	1.05	09:15	2.43	1.73	17:30	0.286	07:45	0.724	0.458	0.458	0.46
5/13/2010	03:00	4.56	07:00	5.74	5.08	10:30	0.94	08:15	2.48	1.63	10:30	0.261	07:45	0.767	0.433	0.433	
5/14/2010	02:00	4.40	07:45	5.58	5.01	11:15	0.86	08:00	2.39	1.68	11:15	0.230	08:00	0.701	0.437	0.437	0.14
5/15/2010	02:00	4.39	10:00	5.68	4.99	12:45	0.82	10:15	2.31	1.69	12:45	0.227	10:15	0.698	0.434	0.434	
5/16/2010	04:00	4.27	10:30	5.69	5.01	19:45	0.81	10:00	2.66	1.52	21:00	0.222	10:00	0.811	0.391	0.391	
5/17/2010	03:45	4.31	07:15	5.67	5.00	19:15	0.66	07:00	2.48	1.58	19:15	0.184	07:15	0.744	0.405	0.405	
5/18/2010	03:30	4.23	19:30	6.15	5.11	12:00	1.01	18:15	2.56	1.85	12:00	0.257	19:00	0.853	0.499	0.499	0.81
5/19/2010	03:45	4.58	07:30	6.07	5.23	15:30	1.31	08:00	2.70	1.90	16:30	0.344	08:00	0.875	0.526	0.526	0.02
5/20/2010	05:00	3.88	07:45	5.79	5.15	12:45	1.29	08:45	2.91	1.81	05:00	0.319	08:45	0.912	0.493	0.493	
5/21/2010	04:30	4.13	09:30	5.79	5.01	10:30	1.06	01:00	2.69	1.79	10:30	0.300	08:45	0.706	0.462	0.462	
5/22/2010	05:15	4.32	10:00	5.68	4.99	17:30	1.06	09:15	2.40	1.73	17:30	0.299	09:15	0.717	0.449	0.449	
5/23/2010	06:00	4.04	12:30	5.57	4.97	23:00	1.09	02:30	2.17	1.76	23:00	0.287	11:00	0.621	0.449	0.449	
5/24/2010	05:00	4.08	07:45	5.58	4.93	12:30	1.09	09:00	2.90	1.74	12:30	0.286	09:00	0.814	0.444	0.444	0.03
5/25/2010	03:45	4.15	07:30	5.57	4.95	19:00	1.22	16:45	2.63	1.92	19:00	0.322	08:15	0.686	0.493	0.493	
5/26/2010	01:15	4.19	07:15	5.60	4.93	11:30	1.18	07:15	2.42	1.78	11:30	0.296	07:15	0.734	0.453	0.453	
5/27/2010	00:45	4.12	07:30	5.60	4.86	17:30	0.79	07:00	2.38	1.62	17:30	0.214	07:30	0.709	0.404	0.404	
5/28/2010	04:15	3.76	07:45	5.45	4.81	14:30	1.24	08:45	2.49	1.76	04:15	0.268	07:30	0.719	0.434	0.434	0.06
5/29/2010	05:45	4.10	11:45	5.46	4.79	12:30	0.98	09:45	2.16	1.67	12:30	0.267	10:15	0.628	0.408	0.408	0.04
5/30/2010	03:15	4.23	09:45	5.62	4.82	08:30	1.10	12:00	2.23	1.54	04:45	0.262	12:00	0.623	0.380	0.380	
5/31/2010	04:00	4.08	10:30	5.62	4.85	04:45	1.06	09:45	2.39	1.67	06:15	0.214	10:00	0.688	0.423	0.423	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			13.230	2.27
Report Avg	4.62	2.02	0.445	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	03:00	4.07	14:00	6.39	4.98	01:45	1.34	09:30	3.07	2.00	02:15	0.277	14:00	0.932	0.526	0.526	1.07
6/2/2010	03:30	3.80	07:00	5.58	4.94	15:00	1.10	08:30	3.73	1.83	03:30	0.250	08:30	1.044	0.471	0.471	
6/3/2010	02:30	4.07	21:00	5.62	4.85	04:15	1.33	08:30	2.84	1.88	04:15	0.261	08:30	0.784	0.473	0.473	
6/4/2010	02:00	4.01	07:15	5.63	4.94	12:45	1.24	20:30	2.83	1.91	03:30	0.284	20:15	0.766	0.492	0.492	
6/5/2010	03:15	4.26	10:00	5.71	4.93	07:45	1.20	08:30	2.56	1.94	23:00	0.309	08:45	0.776	0.495	0.495	0.19
6/6/2010	02:30	3.96	12:00	5.54	4.81	04:45	1.18	13:30	2.88	1.89	04:45	0.228	13:45	0.796	0.475	0.475	0.11
6/7/2010	23:45	2.67	07:30	5.68	4.04	22:30	1.11	08:15	2.55	1.57	23:45	0.135	08:15	0.708	0.311	0.311	
6/8/2010	04:15	2.55	07:30	3.43	2.93	12:00	0.98	08:15	3.11	1.82	00:45	0.111	08:15	0.467	0.226	0.226	
6/9/2010	00:45	2.39	21:00	3.56	2.94	10:45	1.03	08:15	3.03	1.86	00:45	0.120	08:15	0.433	0.232	0.232	0.57
6/10/2010	00:45	2.46	07:00	3.61	2.99	17:00	0.94	07:00	3.15	1.82	17:00	0.111	07:00	0.514	0.232	0.232	0.01
6/11/2010	04:00	2.55	07:45	3.64	2.95	17:00	1.02	07:15	3.06	1.78	17:00	0.121	07:45	0.497	0.223	0.223	
6/12/2010	01:15	2.47	10:15	3.70	3.00	21:15	1.12	10:30	3.10	1.90	21:15	0.135	10:30	0.524	0.245	0.245	0.01
6/13/2010	05:30	2.20	10:45	3.75	3.04	04:30	1.49	10:15	3.18	2.10	05:30	0.124	10:45	0.535	0.277	0.277	0.02
6/14/2010	02:15	2.43	07:30	3.64	3.00	17:00	1.12	07:45	3.31	2.04	17:15	0.132	07:30	0.520	0.265	0.265	
6/15/2010	02:00	2.55	07:30	3.74	3.01	17:45	1.17	07:30	3.36	1.96	12:30	0.141	07:30	0.577	0.255	0.255	
6/16/2010	03:45	2.52	08:00	3.72	2.98	12:30	1.09	07:30	3.22	1.83	00:00	0.127	08:00	0.535	0.233	0.233	
6/17/2010	04:15	2.38	08:00	3.70	3.04	15:00	1.34	07:30	3.31	1.94	04:15	0.137	08:00	0.545	0.255	0.255	0.16
6/18/2010	02:45	2.51	08:45	3.80	3.01	17:45	1.20	08:00	3.35	1.88	04:45	0.135	08:00	0.584	0.245	0.245	
6/19/2010	04:45	2.46	08:45	3.74	3.04	16:30	1.20	10:15	3.17	1.86	05:00	0.134	10:15	0.536	0.246	0.246	
6/20/2010	04:00	1.99	13:15	3.76	3.02	04:30	0.77	13:45	3.17	2.00	04:30	0.055	13:15	0.528	0.267	0.267	
6/21/2010	02:30	2.08	08:00	3.82	3.05	04:15	0.86	07:45	3.36	1.88	02:30	0.066	07:45	0.570	0.254	0.254	
6/22/2010	04:30	2.08	21:15	4.01	3.12	04:30	0.96	21:15	3.64	1.99	04:30	0.071	21:15	0.690	0.283	0.283	0.71
6/23/2010	04:00	2.39	08:30	3.80	3.14	02:15	1.22	08:30	3.24	1.94	04:00	0.114	08:30	0.569	0.270	0.270	0.01
6/24/2010	02:00	2.36	07:30	3.74	3.16	04:30	1.13	07:45	3.23	2.01	04:30	0.102	07:45	0.555	0.280	0.280	0.17
6/25/2010	03:45	2.22	09:15	3.82	3.20	03:45	1.19	09:15	3.22	2.00	03:45	0.096	09:15	0.570	0.284	0.284	
6/26/2010	04:30	2.28	10:15	3.90	3.24	04:45	1.04	10:15	3.20	1.97	04:45	0.094	10:15	0.584	0.289	0.289	
6/27/2010	04:30	2.24	11:00	3.87	3.22	04:45	0.86	10:00	3.29	2.07	04:45	0.074	10:15	0.566	0.304	0.304	0.02
6/28/2010	03:45	2.41	08:30	3.76	3.21	03:45	1.02	09:00	3.13	2.00	03:45	0.093	09:00	0.526	0.287	0.287	0.01
6/29/2010	02:15	2.15	08:45	3.74	3.06	03:45	0.83	08:45	3.10	1.75	03:45	0.066	08:45	0.532	0.236	0.236	
6/30/2010	03:45	2.14	10:15	3.59	3.05	03:00	0.88	08:15	3.01	1.75	03:45	0.069	08:45	0.472	0.236	0.236	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			9.168	3.06
Report Avg	3.46	1.91	0.306	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	05:00	2.33	08:30	3.56	3.00	04:30	1.03	08:30	2.94	1.83	04:30	0.090	08:30	0.471	0.236	0.236	
7/2/2010	04:00	1.98	08:45	3.57	2.92	04:15	0.90	08:15	2.92	1.82	04:00	0.070	08:15	0.454	0.226	0.226	
7/3/2010	05:30	2.18	10:00	3.72	2.91	04:15	1.05	10:15	3.09	1.84	05:30	0.093	10:00	0.523	0.229	0.229	
7/4/2010	05:15	1.87	10:00	3.51	2.78	05:30	0.90	10:30	2.84	1.73	04:45	0.063	10:00	0.445	0.202	0.202	
7/5/2010	05:00	2.01	10:30	3.61	2.94	04:15	0.82	11:15	3.10	1.76	04:15	0.061	11:15	0.490	0.225	0.225	
7/6/2010	04:15	1.94	09:00	3.59	2.88	05:00	0.85	08:45	2.73	1.63	04:15	0.058	09:00	0.440	0.199	0.199	
7/7/2010	04:00	1.90	08:15	3.50	2.83	04:45	0.78	09:00	2.67	1.67	04:00	0.051	08:00	0.402	0.199	0.199	
7/8/2010	04:15	1.99	09:00	3.43	2.83	04:45	0.93	09:45	2.52	1.65	04:45	0.069	09:00	0.381	0.195	0.195	
7/9/2010	04:45	2.36	08:30	3.49	2.91	04:45	1.35	09:15	2.39	1.77	04:45	0.119	09:15	0.365	0.214	0.214	0.09
7/10/2010	05:45	2.02	10:15	3.63	2.86	06:15	1.05	10:30	2.73	1.68	05:45	0.087	10:15	0.444	0.200	0.200	
7/11/2010	06:00	1.96	10:15	3.53	2.80	04:45	0.93	11:00	2.77	1.59	04:45	0.063	11:00	0.428	0.187	0.187	
7/12/2010	04:00	1.83	09:00	3.29	2.73	04:30	0.71	06:30	2.23	1.56	04:00	0.044	09:15	0.302	0.175	0.175	0.01
7/13/2010	04:00	1.81	19:45	3.44	2.75	03:45	0.65	20:00	2.83	1.67	03:45	0.040	20:00	0.425	0.192	0.192	0.70
7/14/2010	03:45	1.95	09:00	3.59	2.81	03:30	0.94	09:00	3.01	1.61	03:30	0.067	09:00	0.487	0.190	0.190	0.36
7/15/2010	04:15	2.13	08:30	3.51	2.81	12:15	1.12	08:45	2.62	1.62	04:30	0.096	08:00	0.384	0.187	0.187	
7/16/2010	04:45	2.13	09:45	3.46	2.80	05:00	1.03	09:45	2.47	1.62	05:00	0.079	09:45	0.380	0.185	0.185	
7/17/2010	04:45	2.08	12:45	3.44	2.85	05:00	1.05	12:30	2.67	1.70	04:15	0.083	12:30	0.395	0.204	0.204	
7/18/2010	04:30	2.10	11:15	3.57	2.86	06:00	1.12	11:15	2.84	1.69	04:30	0.092	11:15	0.457	0.204	0.204	
7/19/2010	03:45	2.05	08:30	3.55	2.88	03:45	0.81	08:45	2.92	1.69	03:45	0.058	08:30	0.446	0.207	0.207	0.41
7/20/2010	05:00	2.00	09:00	3.50	2.88	05:00	0.72	09:00	2.52	1.58	05:00	0.050	09:00	0.394	0.191	0.191	
7/21/2010	05:00	1.98	20:15	4.25	3.11	04:00	0.77	17:45	3.48	1.83	04:00	0.057	20:15	0.711	0.259	0.259	1.20
7/22/2010	04:30	2.17	09:30	3.65	3.16	04:00	1.01	10:00	2.37	1.70	04:00	0.086	09:30	0.381	0.232	0.232	
7/23/2010	03:15	2.12	08:45	3.51	3.09	03:00	0.93	09:30	2.66	1.74	03:00	0.071	09:45	0.401	0.234	0.234	0.15
7/24/2010	04:30	2.22	11:00	3.70	3.14	04:45	0.89	10:45	3.23	1.85	04:45	0.075	10:45	0.544	0.262	0.262	0.01
7/25/2010	04:45	2.32	00:45	3.95	3.30	04:00	1.10	10:00	3.07	2.01	04:45	0.095	00:45	0.548	0.299	0.299	0.67
7/26/2010	03:30	2.15	08:45	3.65	3.12	03:15	0.84	09:00	2.92	1.74	03:15	0.068	09:00	0.480	0.241	0.241	
7/27/2010	04:45	2.10	08:15	3.68	3.11	04:45	0.81	08:15	3.10	1.87	04:45	0.060	08:15	0.520	0.258	0.258	
7/28/2010	03:45	2.05	07:45	3.53	2.98	03:45	0.93	09:30	2.65	1.80	03:45	0.067	09:30	0.417	0.231	0.231	
7/29/2010	03:45	1.91	08:00	3.56	2.89	03:15	0.88	08:30	2.59	1.66	04:00	0.060	08:00	0.400	0.204	0.204	0.14
7/30/2010	04:00	1.93	08:15	3.57	2.90	04:00	0.89	08:30	2.66	1.75	04:00	0.059	08:15	0.424	0.217	0.217	
7/31/2010	05:00	1.92	11:45	3.52	2.91	04:30	0.70	09:15	3.02	1.83	04:30	0.047	10:00	0.449	0.231	0.231	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.714	3.74
Report Avg	2.93	1.73	0.217	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	05:45	1.91	10:45	3.56	2.83	05:45	0.68	11:15	3.11	1.78	05:45	0.045	10:45	0.478	0.217	0.217	
8/2/2010	04:30	1.92	10:00	3.43	2.86	04:00	0.79	08:30	2.74	1.74	04:00	0.056	10:00	0.412	0.212	0.212	
8/3/2010	04:45	2.06	09:00	3.32	2.85	04:45	0.93	09:45	2.27	1.62	04:45	0.067	09:00	0.329	0.191	0.191	
8/4/2010	04:45	1.90	08:15	3.27	2.76	18:30	1.06	09:00	2.21	1.54	04:45	0.069	08:15	0.312	0.172	0.172	
8/5/2010	04:00	1.84	08:45	3.26	2.72	04:15	0.90	08:45	2.65	1.60	04:15	0.057	08:45	0.373	0.179	0.179	
8/6/2010	05:00	1.83	11:30	3.21	2.72	05:00	0.76	09:30	1.96	1.50	05:00	0.047	09:30	0.265	0.168	0.168	
8/7/2010	05:15	1.93	10:00	3.51	2.73	05:45	0.89	10:30	2.77	1.58	05:45	0.061	09:45	0.409	0.181	0.181	
8/8/2010	05:45	1.97	11:30	3.35	2.71	05:00	0.84	09:45	2.36	1.53	05:00	0.057	12:00	0.334	0.172	0.172	
8/9/2010	02:15	1.85	09:45	3.28	2.69	04:45	0.77	06:00	2.16	1.49	04:45	0.052	09:45	0.270	0.163	0.163	
8/10/2010	02:45	1.87	07:45	3.13	2.71	03:30	0.80	18:45	2.00	1.52	03:30	0.051	18:30	0.256	0.169	0.169	
8/11/2010	05:00	1.87	09:45	3.32	2.76	05:15	0.71	09:15	2.70	1.61	04:45	0.046	09:30	0.375	0.186	0.186	0.03
8/12/2010	04:00	1.96	10:00	3.30	2.77	04:00	0.78	08:45	2.20	1.69	04:00	0.053	10:00	0.312	0.194	0.194	
8/13/2010	04:00	1.88	08:00	3.27	2.81	02:30	0.85	19:30	2.30	1.68	04:00	0.055	19:00	0.308	0.197	0.197	
8/14/2010	03:30	1.95	09:45	3.47	2.85	03:45	0.90	09:45	3.11	1.78	03:30	0.062	09:45	0.479	0.219	0.219	
8/15/2010	05:30	1.96	10:45	3.49	2.83	03:30	0.86	10:45	3.12	1.75	05:45	0.062	10:45	0.487	0.214	0.214	0.61
8/16/2010	04:45	2.02	21:00	3.30	2.87	05:15	0.80	10:15	2.55	1.59	05:15	0.058	10:15	0.351	0.191	0.191	0.42
8/17/2010	03:15	1.91	09:00	3.24	2.78	04:00	0.97	08:15	2.05	1.53	04:00	0.065	08:15	0.284	0.175	0.175	
8/18/2010	04:30	1.88	08:30	3.29	2.85	04:45	0.93	07:30	2.20	1.59	04:45	0.063	07:30	0.309	0.190	0.190	
8/19/2010	05:00	2.00	08:00	3.42	2.80	04:45	0.95	08:30	2.93	1.67	04:45	0.067	08:30	0.419	0.197	0.197	
8/20/2010	03:45	1.98	10:00	3.54	2.83	03:00	0.85	10:00	2.59	1.63	03:00	0.059	10:00	0.410	0.196	0.196	
8/21/2010	05:00	1.98	10:15	3.65	2.85	03:30	0.82	11:00	3.20	1.79	03:30	0.060	10:15	0.521	0.222	0.222	
8/22/2010	05:00	1.84	20:15	6.65	3.43	04:00	0.89	20:15	4.95	2.59	05:00	0.061	20:15	1.896	0.486	0.486	3.59
8/23/2010	23:45	2.75	08:15	3.80	3.40	04:30	1.09	07:00	3.29	2.34	23:30	0.140	09:15	0.564	0.360	0.360	0.35
8/24/2010	01:15	2.38	09:45	3.48	3.01	14:00	1.20	10:00	3.14	1.87	01:45	0.122	10:00	0.480	0.240	0.240	0.12
8/25/2010	02:15	2.44	08:15	3.48	3.00	00:45	1.35	08:15	3.11	2.10	02:15	0.140	08:15	0.483	0.269	0.269	0.19
8/26/2010	00:45	2.52	08:45	3.58	2.96	23:00	1.27	07:45	3.15	1.96	23:00	0.146	09:15	0.473	0.246	0.246	0.05
8/27/2010	05:15	2.26	09:30	3.49	2.97	16:45	1.22	09:45	2.95	1.85	03:45	0.125	10:15	0.440	0.234	0.234	
8/28/2010	04:45	1.96	10:30	3.78	3.06	05:30	0.97	10:45	3.14	1.95	04:45	0.075	10:45	0.542	0.264	0.264	
8/29/2010	05:30	2.02	10:45	3.62	3.02	05:00	1.06	12:15	3.18	1.93	05:00	0.075	12:15	0.504	0.258	0.258	
8/30/2010	05:00	2.11	08:00	3.51	3.01	04:45	0.94	08:00	2.76	1.84	05:00	0.072	08:00	0.434	0.241	0.241	
8/31/2010	05:00	2.12	09:15	3.63	3.05	03:00	1.00	09:15	3.07	1.79	03:00	0.078	09:15	0.506	0.238	0.238	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.843	5.36
Report Avg	2.89	1.76	0.221	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH567, Pipe Height: 18"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	03:15	2.14	07:45	3.56	3.00	03:30	1.02	08:45	2.81	1.79	03:30	0.080	08:45	0.448	0.232	0.232	
9/2/2010	03:45	2.13	08:00	3.46	2.98	04:45	0.89	08:00	2.74	1.83	04:45	0.068	08:00	0.421	0.234	0.234	
9/3/2010	04:00	2.09	10:00	3.64	3.00	04:00	1.05	09:45	3.08	1.87	04:00	0.078	10:00	0.503	0.241	0.241	
9/4/2010	05:00	2.00	10:30	3.71	2.92	06:00	0.95	10:15	3.10	1.82	05:00	0.076	10:15	0.522	0.233	0.233	
9/5/2010	05:30	2.08	11:15	3.49	2.88	05:45	1.04	11:45	2.87	1.74	05:15	0.081	10:15	0.437	0.215	0.215	
9/6/2010	04:45	2.03	11:30	3.63	2.92	04:30	0.79	10:45	3.18	1.77	04:30	0.058	10:45	0.500	0.228	0.228	
9/7/2010	04:30	1.98	08:00	3.48	2.86	04:30	0.83	08:15	3.19	1.64	04:30	0.057	08:15	0.485	0.198	0.198	
9/8/2010	03:30	1.98	09:45	3.29	2.85	03:30	0.90	09:30	2.72	1.70	03:30	0.061	09:30	0.378	0.204	0.204	0.02
9/9/2010	04:15	2.00	09:30	3.38	2.88	04:30	0.87	11:00	3.29	1.69	04:15	0.062	11:00	0.463	0.208	0.208	
9/10/2010	03:00	2.07	10:15	3.45	2.90	03:00	0.84	10:15	2.97	1.67	03:00	0.061	10:15	0.454	0.205	0.205	
9/11/2010	04:00	1.96	10:15	3.60	2.88	05:15	0.88	10:15	3.17	1.73	04:00	0.061	10:15	0.514	0.216	0.216	
9/12/2010	04:15	1.93	12:00	3.50	2.90	03:00	1.03	12:00	3.01	1.88	04:15	0.069	12:00	0.471	0.241	0.241	
9/13/2010	03:45	1.91	07:15	3.52	2.85	02:30	0.80	07:15	2.86	1.76	02:30	0.054	07:15	0.450	0.215	0.215	
9/14/2010	03:45	1.89	08:15	3.50	2.83	03:00	0.84	08:30	2.91	1.74	04:15	0.056	07:30	0.446	0.211	0.211	0.01
9/15/2010	04:45	1.82	07:30	3.63	2.74	04:45	0.96	08:15	2.93	1.67	04:45	0.058	07:30	0.479	0.194	0.194	
9/16/2010	04:00	1.91	07:30	3.48	2.71	04:00	0.82	07:45	3.46	1.69	04:00	0.053	07:45	0.513	0.190	0.190	0.16
9/17/2010	04:45	1.79	07:30	3.49	2.72	04:45	0.95	07:30	2.80	1.58	04:45	0.056	07:30	0.435	0.179	0.179	0.06
9/18/2010	04:45	1.83	11:15	3.54	2.78	03:15	0.75	12:00	3.29	1.71	03:15	0.049	12:00	0.518	0.205	0.205	
9/19/2010	04:45	1.89	11:00	3.59	2.77	05:30	0.72	10:45	3.35	1.64	05:30	0.047	10:45	0.509	0.195	0.195	
9/20/2010	03:00	1.88	07:30	3.55	2.79	05:15	0.88	07:45	3.05	1.61	05:15	0.056	07:45	0.458	0.191	0.191	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			4.235	0.25
Report Avg	2.86	1.73	0.212	

Site Commentary

Site Information

MH567A	
Pipe Dimensions (in.)	Circular (24.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH567A indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	6.47	1.35	0.621
Minimum	3.91	0.76	0.180
Maximum	16.38	2.13	2.949
Time of Minimum	8/9/2010 5:00 AM	7/1/2010 4:45 AM	7/12/2010 5:00 AM
Time of Maximum	3/30/2010 12:00 PM	3/23/2010 12:45 AM	3/30/2010 11:30 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

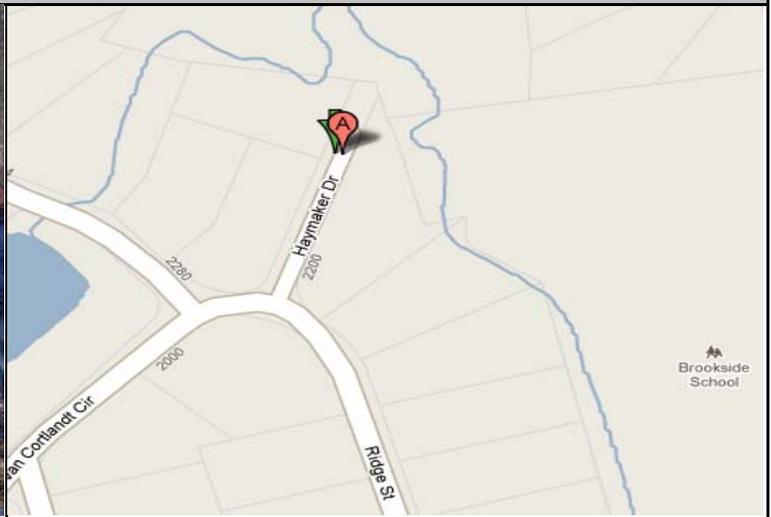
Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	99.98
Velocity (ft/s)	99.98
Quantity (MGD)	99.98

a division of ADS LLC.

Site Name:	YORKTOWN_MH567-A	Meter Type:	4000	Monitor S/N:	1278	Manhole #:	567A
Address / Location:	END OF HAYMAKER ROAD EASEMENT			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	24 Inches		
				Pipe Width:	24 Inches		
				Phone Number:	I.P. 166.219.184.9		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 16, 2010	1:57 PM	Manhole Depth:	8 Feet	
Site Hydraulics:	Slightly choppy flow with good velocity		Manhole Material / Condition:	PRECAST	Fair
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	Concrete	Good
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	9.63 +/-		Access Pole #:	N/A	
Range (Air Dof):	13 +/-		Distance From Manhole:	N/A Feet	
Peak Velocity:	2.86 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 17' 19" W 73° 47' 5.1"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:

PRESS SN 77961 ULTRA PO 1.38

SCATTERGRAPH REPORT

MH567A

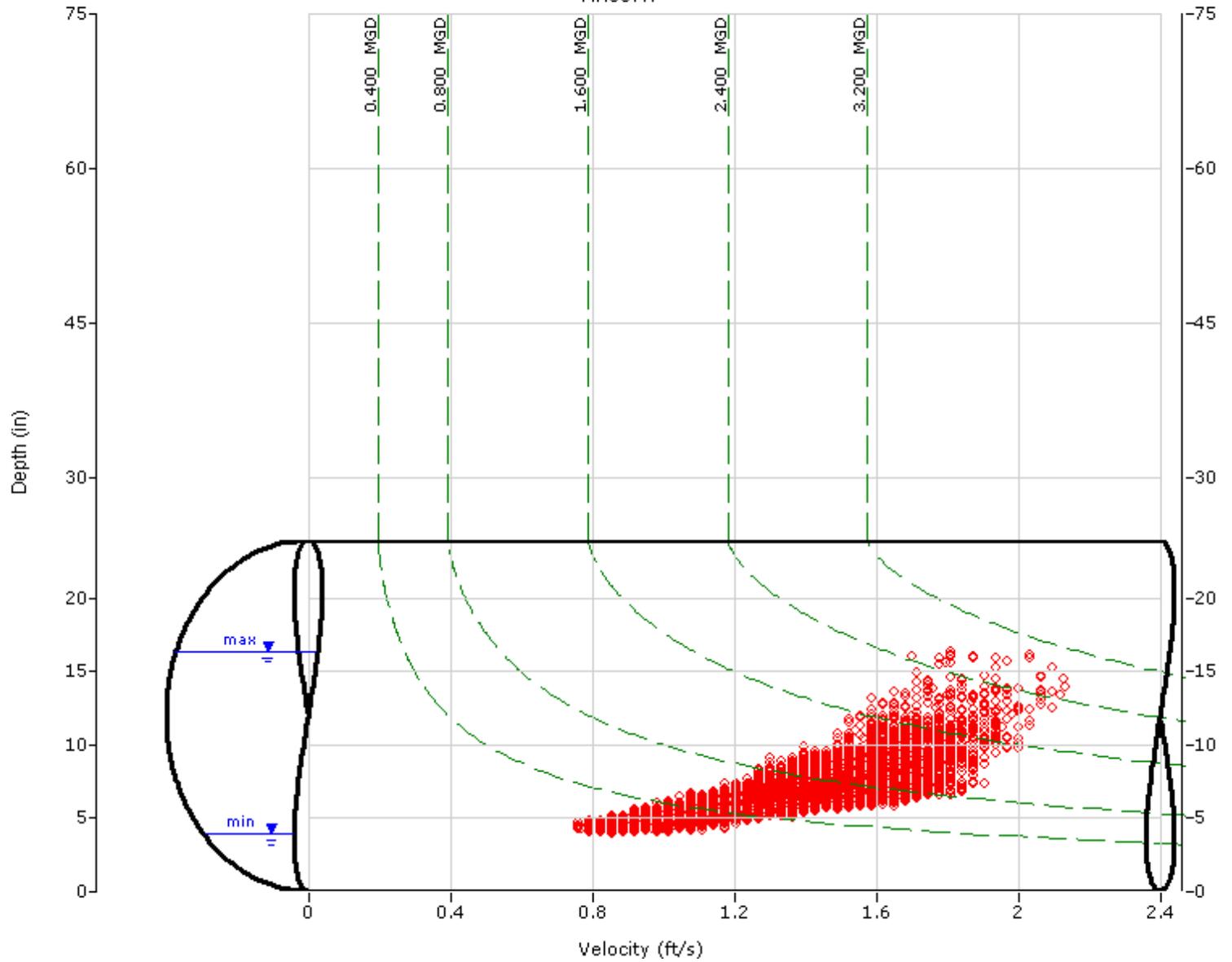
Flow Monitor
MH567A

Nominal Diameter
24-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH567A

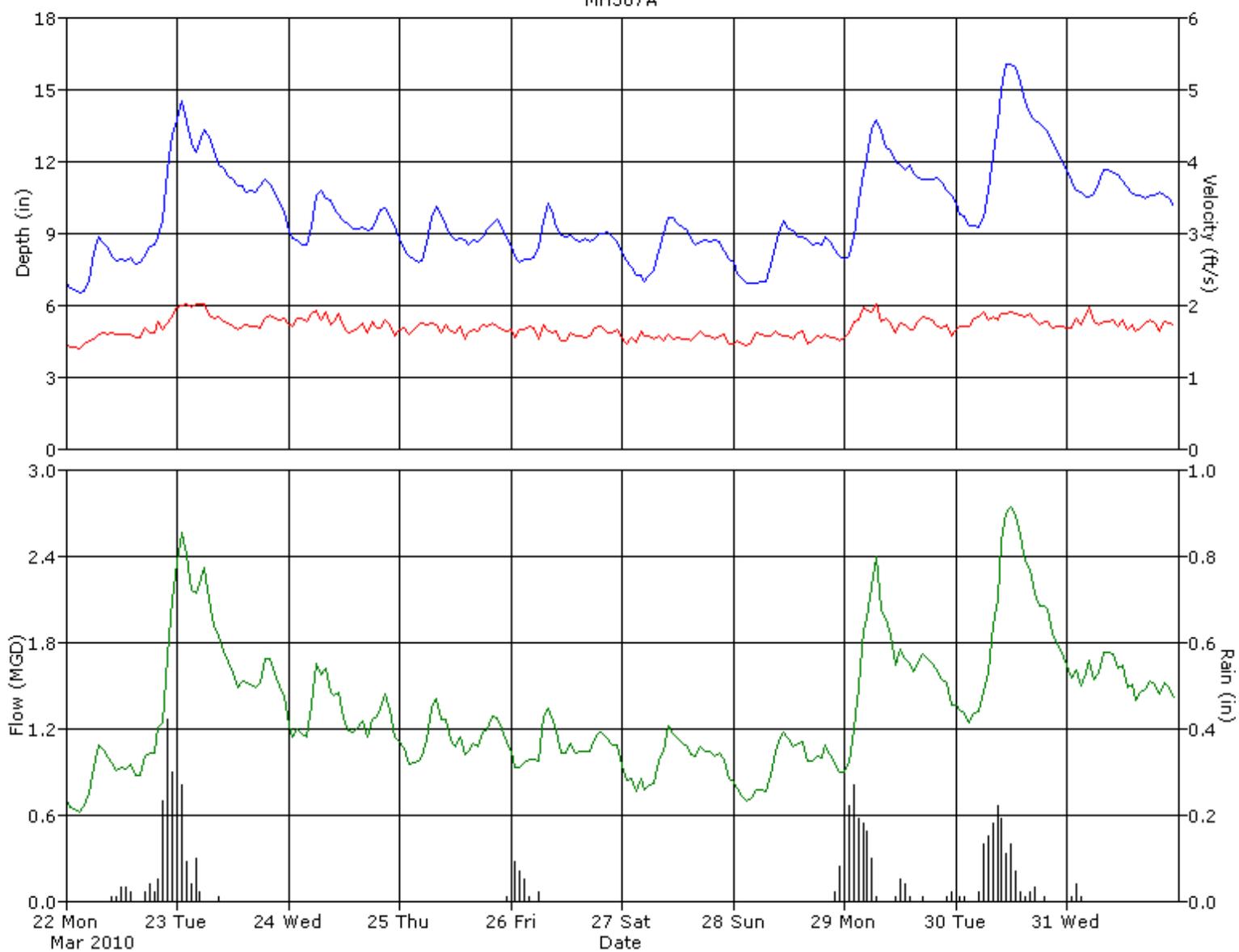
Flow Monitor
MH567A

Nominal Diameter
24-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567A

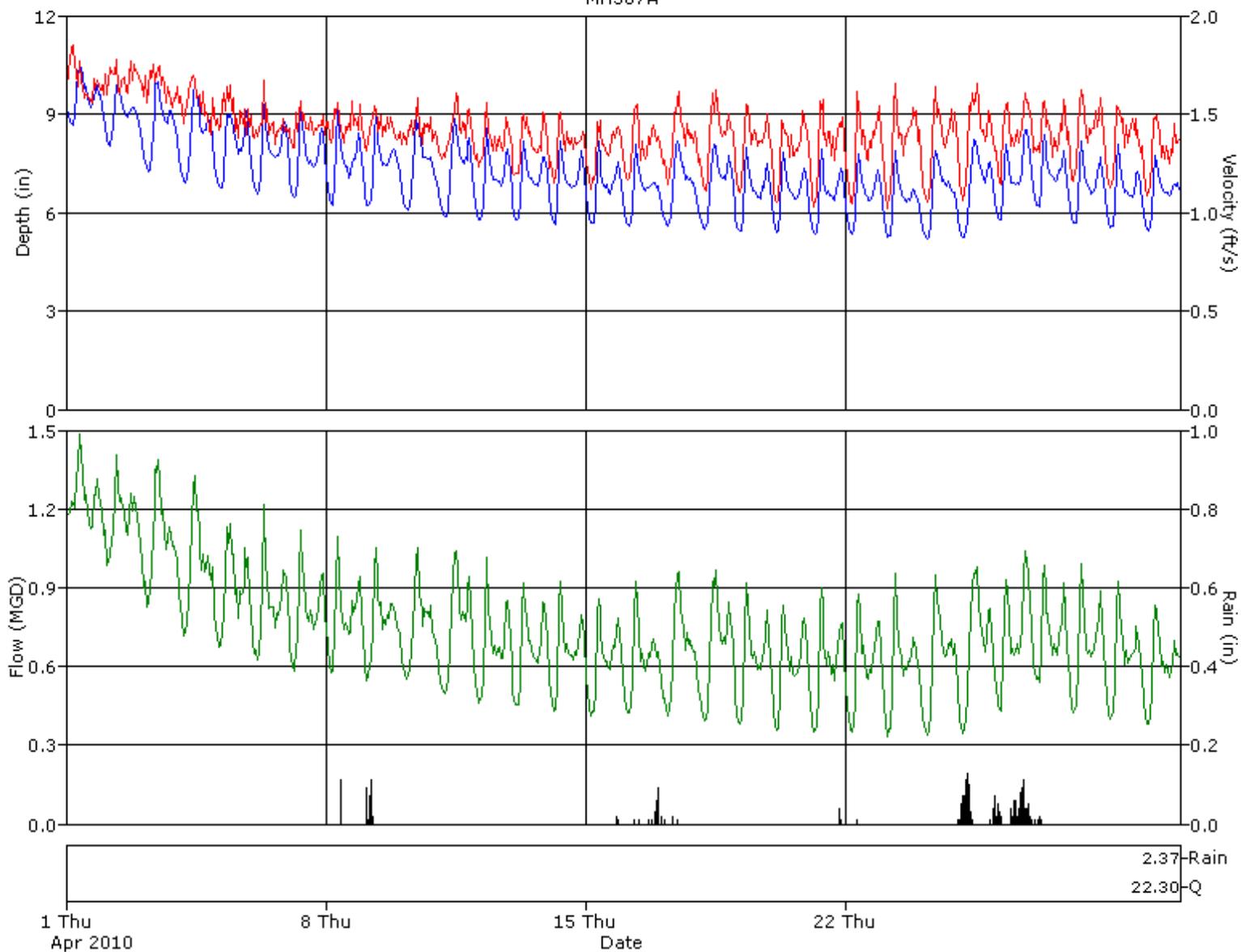
Flow Monitor
MH567A

Nominal Diameter
24-in

Report Period
4/1/2010
To
4/30/2010

Legend

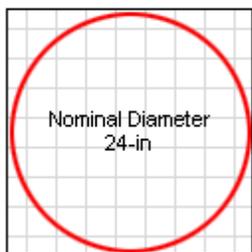
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567A

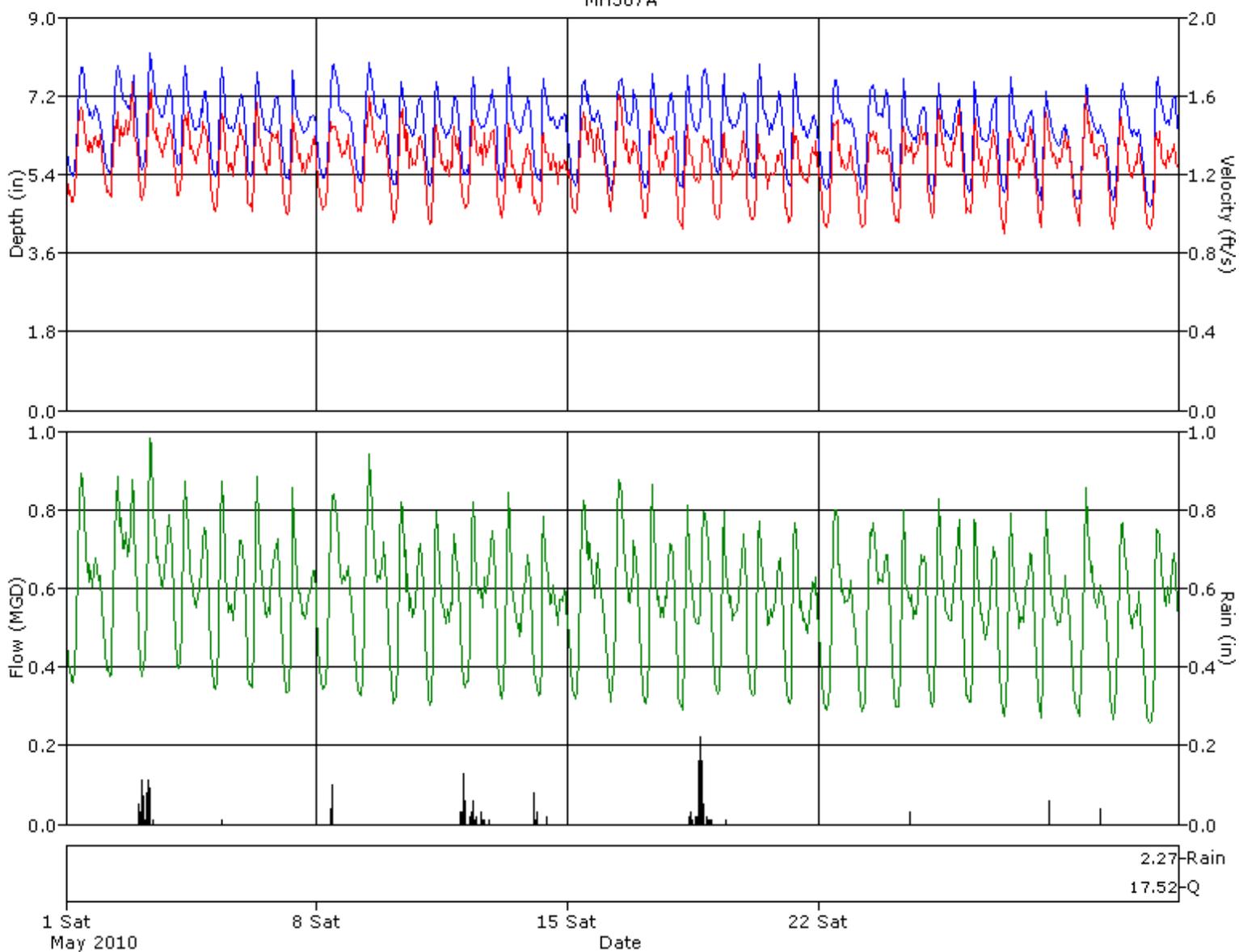
Flow Monitor
MH567A



Report Period
5/1/2010
To
5/31/2010

Legend

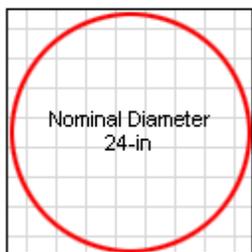
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567A

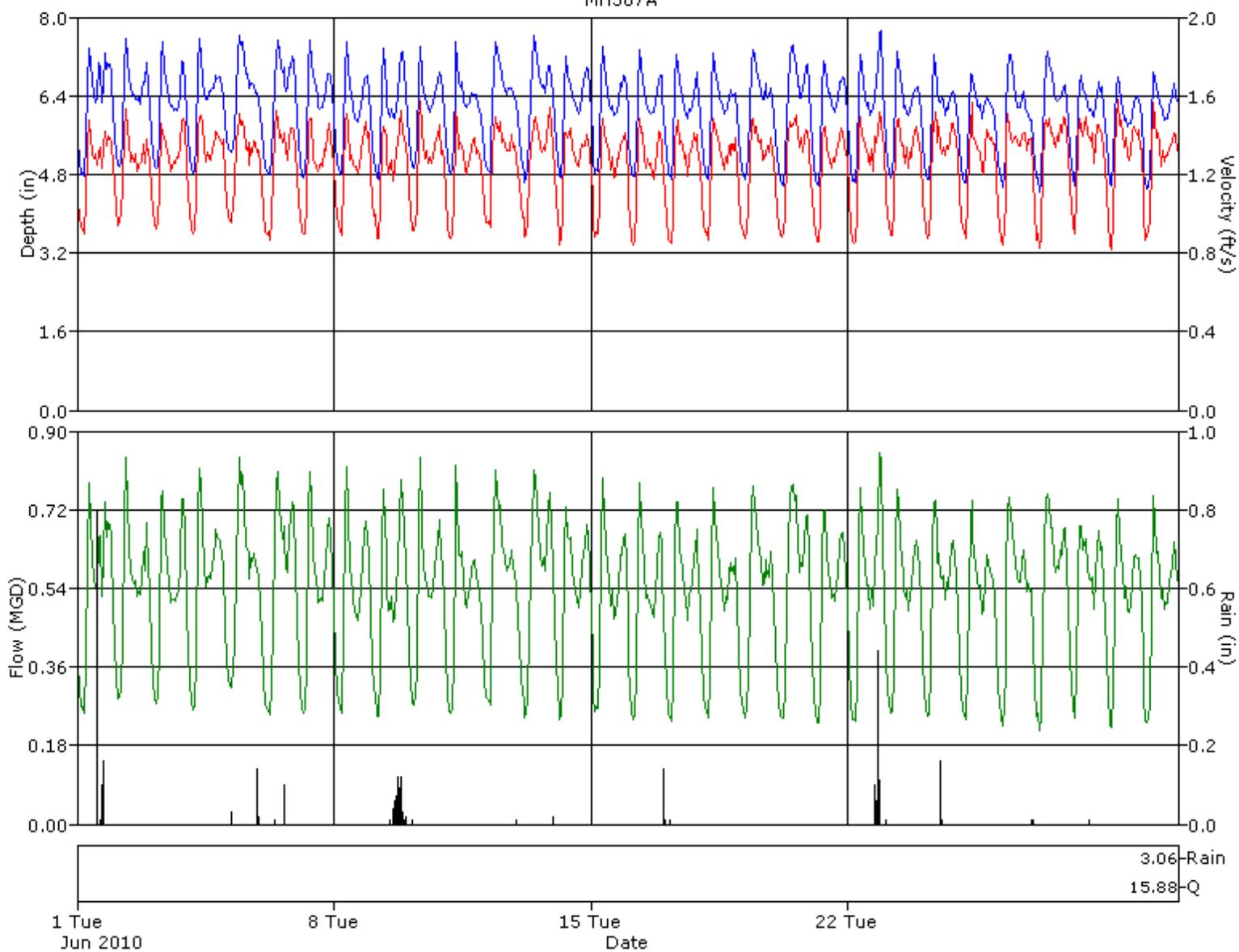
Flow Monitor
MH567A



Report Period
6/1/2010
To
6/30/2010

Legend

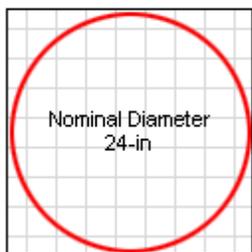
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567A

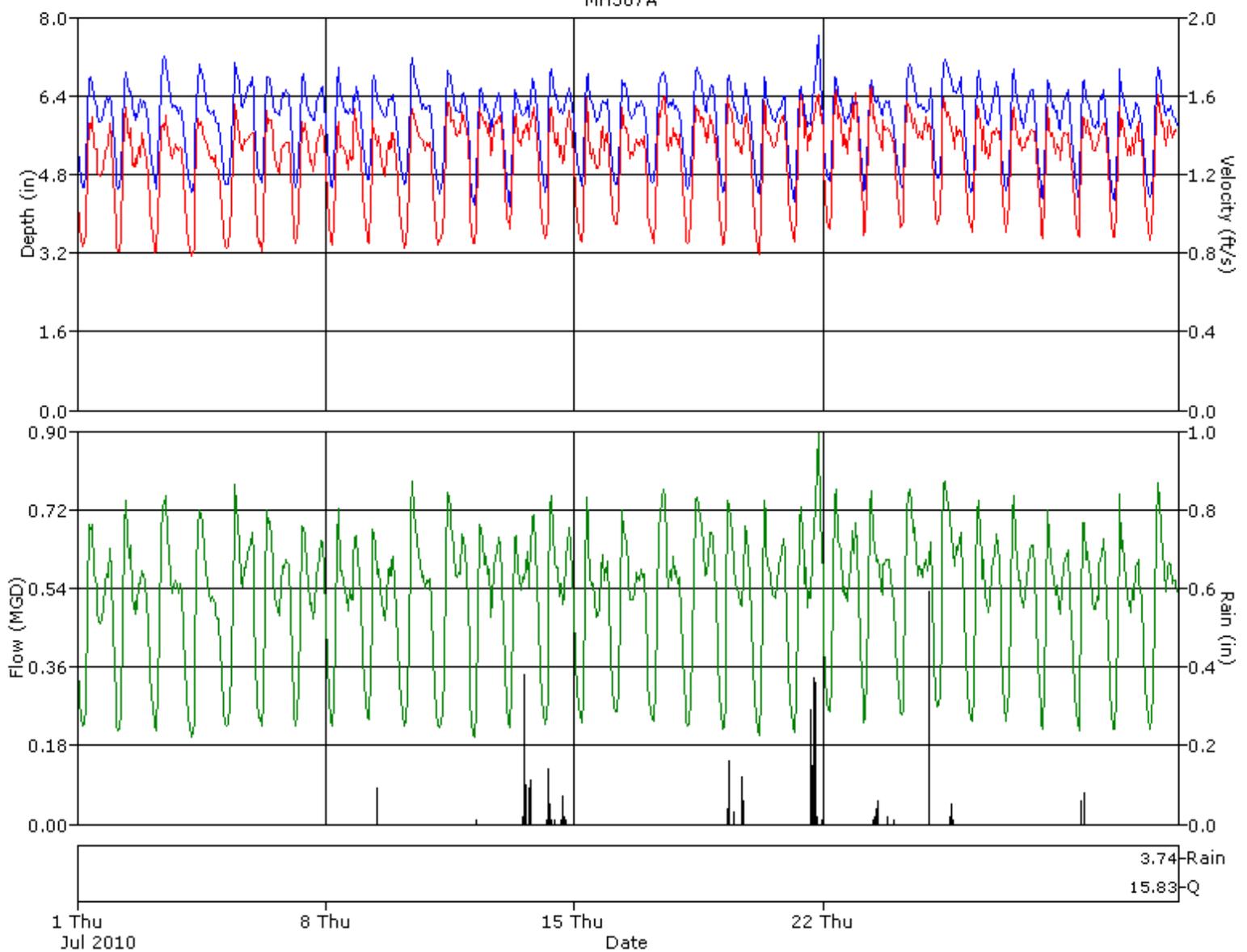
Flow Monitor
MH567A



Report Period
7/1/2010
To
7/31/2010

Legend

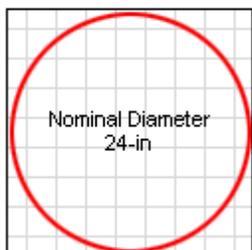
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567A

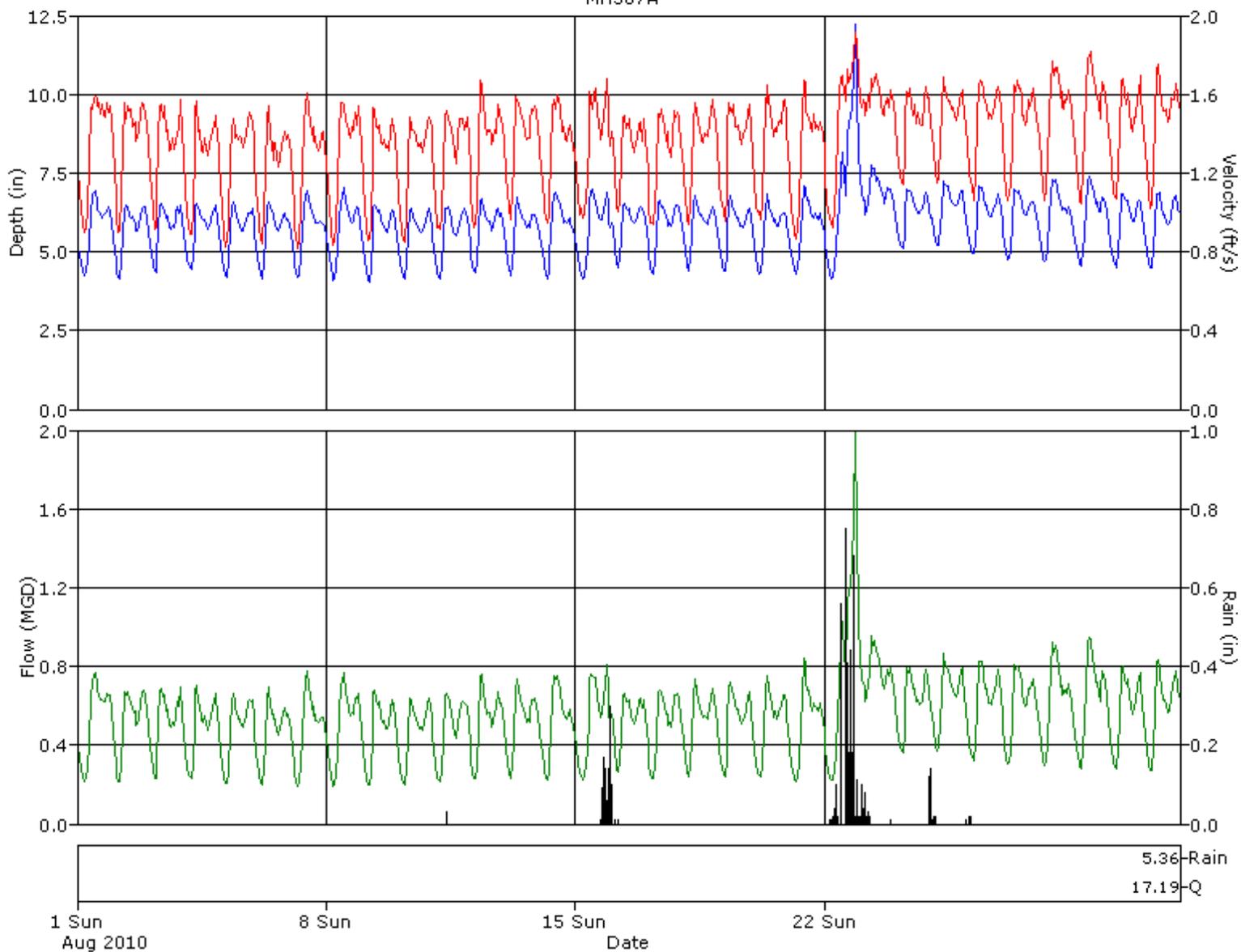
Flow Monitor
MH567A



Report Period
8/1/2010
To
8/31/2010

Legend

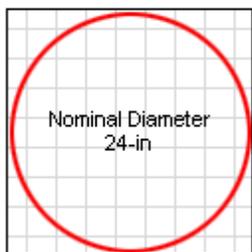
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH567A

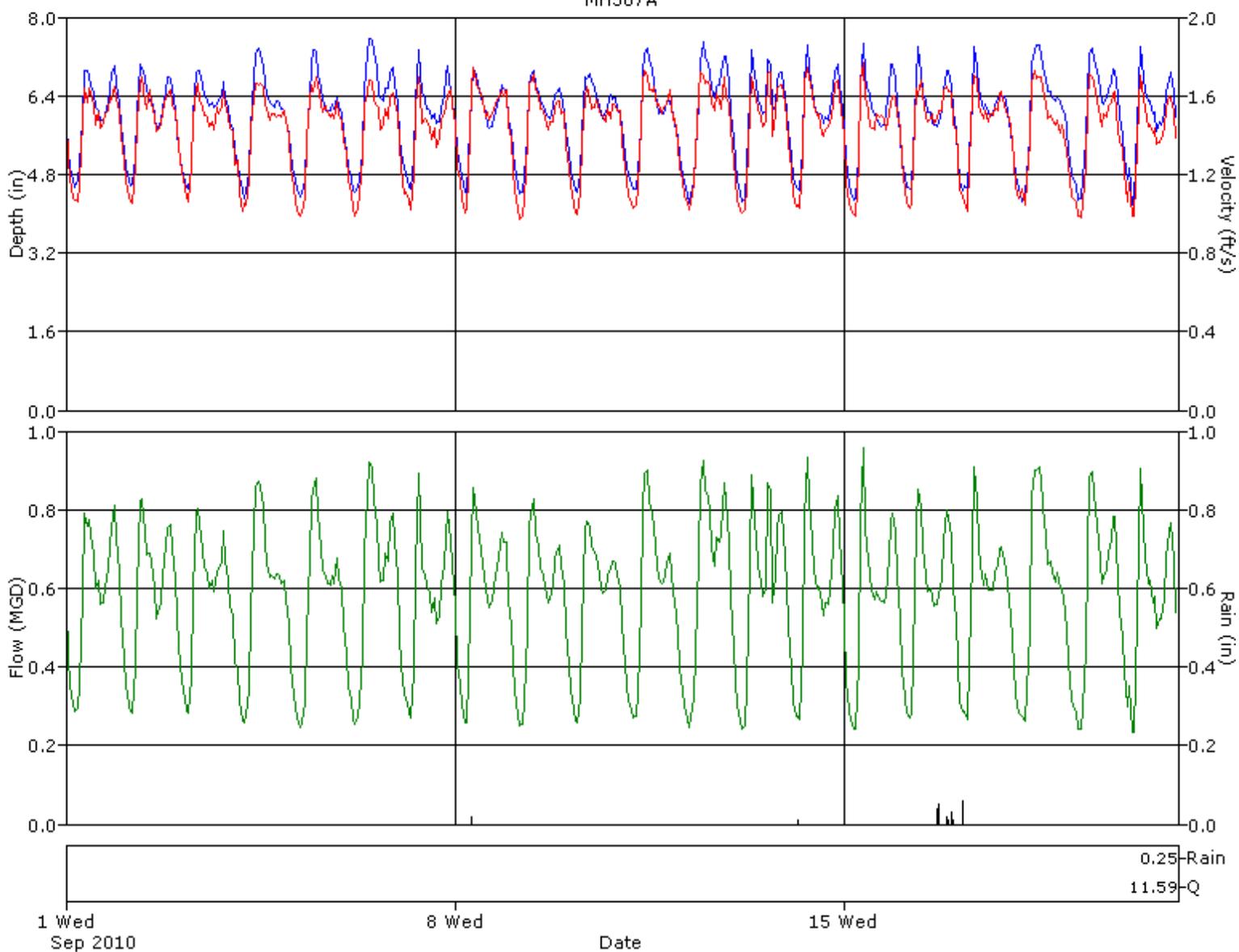
Flow Monitor
MH567A



Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:45	6.39	23:45	13.28	8.22	02:15	1.30	23:30	1.88	1.58	03:30	0.583	23:30	2.134	0.991	0.991	1.18
3/23/2010	23:45	9.58	01:15	14.63	11.78	10:45	1.59	00:45	2.13	1.83	23:45	1.274	01:45	2.721	1.828	1.828	0.83
3/24/2010	03:00	8.25	06:45	11.12	9.50	17:30	1.49	06:00	2.00	1.75	17:30	1.056	06:45	1.726	1.309	1.309	
3/25/2010	04:30	7.64	07:45	10.31	8.83	14:15	1.43	05:30	1.88	1.67	04:00	0.879	08:15	1.493	1.134	1.134	0.01
3/26/2010	02:30	7.56	08:45	10.40	8.74	13:30	1.40	00:15	1.84	1.61	02:00	0.872	08:45	1.449	1.079	1.079	0.26
3/27/2010	05:45	6.84	11:15	9.87	8.35	16:15	1.37	11:00	1.78	1.54	06:15	0.736	11:00	1.400	0.973	0.973	
3/28/2010	07:15	6.74	11:15	9.69	8.14	00:45	1.37	14:45	1.75	1.54	04:30	0.667	11:15	1.245	0.939	0.939	0.10
3/29/2010	01:15	7.67	07:30	13.85	11.30	00:30	1.46	07:15	2.07	1.75	00:00	0.843	07:15	2.480	1.661	1.661	1.51
3/30/2010	04:00	9.12	12:00	16.38	12.56	00:00	1.49	14:30	2.10	1.79	01:15	1.195	11:30	2.949	1.931	1.931	1.34
3/31/2010	23:45	9.71	09:15	11.79	10.85	00:15	1.53	05:00	2.00	1.74	23:45	1.274	09:30	1.876	1.554	1.554	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			13.399	5.29
Report Avg	9.83	1.68	1.340	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010	04:15	8.57	09:45	10.54	9.51	16:15	1.43	05:00	1.91	1.67	16:15	1.029	09:15	1.574	1.249	1.249	
4/2/2010	05:15	7.94	09:00	10.03	8.94	03:00	1.49	06:30	1.88	1.68	03:00	0.920	09:15	1.450	1.160	1.160	
4/3/2010	05:00	7.12	10:15	10.13	8.65	22:00	1.46	11:15	1.84	1.64	04:45	0.794	11:15	1.490	1.087	1.087	
4/4/2010	05:00	6.82	11:15	10.19	8.35	20:30	1.34	10:45	1.79	1.56	04:30	0.705	10:45	1.443	0.985	0.985	
4/5/2010	04:15	6.67	10:00	9.16	8.03	23:30	1.27	10:45	1.78	1.50	03:00	0.621	10:45	1.245	0.897	0.897	
4/6/2010	04:15	6.49	08:30	9.37	7.82	14:00	1.27	08:45	1.70	1.44	04:00	0.581	08:30	1.237	0.830	0.830	
4/7/2010	04:45	6.36	08:15	9.38	7.65	02:30	1.30	20:30	1.65	1.44	04:30	0.571	08:30	1.151	0.805	0.805	
4/8/2010	05:00	6.11	08:30	9.19	7.45	12:30	1.27	07:45	1.65	1.45	05:00	0.543	08:45	1.160	0.782	0.782	0.11
4/9/2010	02:45	5.97	08:45	9.04	7.47	23:15	1.24	07:00	1.59	1.43	02:15	0.525	08:45	1.068	0.774	0.774	0.30
4/10/2010	05:30	5.93	10:15	8.90	7.36	04:00	1.21	11:45	1.68	1.42	04:00	0.504	11:30	1.093	0.753	0.753	
4/11/2010	06:15	5.79	11:00	9.05	7.32	03:45	1.21	12:45	1.65	1.42	03:45	0.474	12:45	1.074	0.752	0.752	
4/12/2010	02:45	5.68	08:30	8.66	6.99	03:15	1.18	08:30	1.68	1.36	03:15	0.441	08:30	1.113	0.674	0.674	
4/13/2010	03:15	5.68	08:00	8.33	6.94	03:15	1.11	10:45	1.59	1.35	03:15	0.409	08:00	0.971	0.664	0.664	
4/14/2010	04:15	5.55	08:15	8.32	6.87	01:30	1.11	08:30	1.56	1.33	04:15	0.407	08:15	0.953	0.647	0.647	
4/15/2010	04:00	5.65	08:45	8.29	6.77	02:00	1.08	08:45	1.59	1.32	03:30	0.403	08:45	0.989	0.630	0.630	0.03
4/16/2010	04:30	5.55	08:45	8.36	6.66	04:30	1.08	09:00	1.68	1.34	04:30	0.385	08:45	1.040	0.623	0.623	0.22
4/17/2010	05:30	5.56	11:30	8.27	6.82	05:15	1.11	12:00	1.68	1.37	05:15	0.398	12:30	1.008	0.662	0.662	0.06
4/18/2010	05:00	5.44	11:45	8.30	6.82	05:00	1.05	10:30	1.72	1.38	05:00	0.363	12:00	1.054	0.669	0.669	
4/19/2010	04:30	5.33	08:15	8.12	6.59	04:45	1.02	09:15	1.65	1.35	04:45	0.342	08:30	0.956	0.619	0.619	
4/20/2010	04:30	5.32	09:00	7.97	6.56	03:45	0.99	20:45	1.59	1.31	03:45	0.334	09:00	0.862	0.599	0.599	
4/21/2010	03:30	5.29	08:45	8.04	6.54	03:30	0.99	09:00	1.68	1.34	03:30	0.327	08:45	0.985	0.610	0.610	0.05
4/22/2010	04:00	5.25	08:15	7.98	6.51	04:00	0.99	07:30	1.72	1.33	04:00	0.324	08:15	0.976	0.603	0.603	0.01
4/23/2010	03:45	5.16	08:00	7.96	6.39	03:30	0.99	07:30	1.72	1.36	03:30	0.325	08:00	0.973	0.602	0.602	
4/24/2010	04:00	5.13	11:00	8.15	6.51	04:00	0.99	11:00	1.72	1.36	04:00	0.313	11:00	1.042	0.617	0.617	
4/25/2010	04:45	5.16	11:45	8.29	6.77	04:00	1.02	13:00	1.78	1.39	04:00	0.334	13:00	1.079	0.671	0.671	0.65
4/26/2010	04:15	5.69	20:45	8.80	7.07	03:15	1.11	20:15	1.69	1.40	03:15	0.410	21:15	1.097	0.712	0.712	0.88
4/27/2010	05:00	6.07	08:15	8.49	7.17	02:45	1.21	21:45	1.66	1.41	03:30	0.501	07:45	1.050	0.724	0.724	0.06
4/28/2010	04:45	5.56	08:45	8.32	6.77	02:00	1.11	21:45	1.72	1.41	03:30	0.406	08:45	1.060	0.673	0.673	
4/29/2010	03:45	5.47	08:45	8.16	6.64	03:15	1.05	07:45	1.65	1.36	03:15	0.369	08:30	0.987	0.632	0.632	
4/30/2010	04:30	5.31	08:30	7.83	6.55	03:15	1.08	09:30	1.59	1.31	04:30	0.361	08:15	0.891	0.596	0.596	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			22.302	2.37
Report Avg	7.22	1.41	0.743	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	05:45	5.26	10:00	8.03	6.61	05:30	1.02	10:00	1.62	1.31	05:45	0.335	10:00	0.965	0.608	0.608	
5/2/2010	05:15	5.40	11:45	8.03	6.74	05:15	1.05	20:30	1.68	1.35	05:15	0.359	20:30	0.946	0.642	0.642	
5/3/2010	03:00	5.38	08:15	8.29	6.83	02:30	1.05	08:30	1.72	1.35	03:00	0.357	08:30	1.068	0.655	0.655	0.56
5/4/2010	05:15	5.53	08:15	8.16	6.63	02:15	1.05	07:45	1.56	1.32	03:30	0.376	08:15	0.909	0.613	0.613	
5/5/2010	04:45	5.29	08:00	8.07	6.55	03:15	0.99	08:30	1.62	1.28	04:45	0.328	08:30	0.966	0.585	0.585	0.01
5/6/2010	04:00	5.30	08:15	7.81	6.51	05:30	0.95	08:30	1.62	1.28	05:30	0.325	08:30	0.910	0.580	0.580	
5/7/2010	05:00	5.13	07:45	7.92	6.42	04:15	0.92	08:45	1.57	1.26	05:00	0.293	08:45	0.898	0.558	0.558	
5/8/2010	05:15	5.21	11:45	8.08	6.61	04:45	0.99	09:15	1.56	1.28	04:45	0.325	11:45	0.878	0.594	0.594	0.14
5/9/2010	06:00	5.11	11:30	8.16	6.53	06:00	0.95	12:00	1.68	1.29	06:00	0.302	11:30	1.026	0.594	0.594	
5/10/2010	04:45	5.01	08:30	7.61	6.41	03:45	0.92	09:30	1.65	1.28	04:45	0.284	09:00	0.859	0.568	0.568	
5/11/2010	04:15	5.00	09:00	7.88	6.40	03:30	0.92	10:00	1.53	1.24	04:15	0.283	08:15	0.834	0.550	0.550	
5/12/2010	02:45	5.34	08:30	7.88	6.52	03:00	0.99	22:15	1.56	1.29	03:00	0.335	08:15	0.850	0.585	0.585	0.46
5/13/2010	04:45	5.08	08:45	8.27	6.47	03:45	0.95	08:00	1.53	1.21	04:45	0.299	08:30	0.872	0.542	0.542	
5/14/2010	05:00	5.11	08:30	7.81	6.43	05:15	0.95	07:15	1.49	1.21	05:00	0.312	08:30	0.838	0.538	0.538	0.14
5/15/2010	05:30	5.11	09:30	7.68	6.45	04:00	0.99	10:30	1.57	1.29	05:30	0.312	10:15	0.867	0.580	0.580	
5/16/2010	05:15	4.97	12:30	7.69	6.46	05:15	0.95	10:30	1.68	1.30	05:15	0.290	10:45	0.927	0.586	0.586	
5/17/2010	04:45	5.00	08:00	7.81	6.44	05:00	0.92	07:45	1.65	1.26	05:00	0.289	08:00	0.929	0.566	0.566	
5/18/2010	05:00	4.98	20:30	8.00	6.61	05:00	0.89	08:15	1.49	1.22	05:00	0.271	08:30	0.839	0.567	0.567	0.81
5/19/2010	04:30	5.30	08:00	7.90	6.58	03:45	0.92	08:00	1.59	1.22	04:30	0.307	08:00	0.926	0.561	0.561	0.02
5/20/2010	05:00	5.26	08:45	8.17	6.52	03:30	0.92	07:30	1.49	1.19	03:30	0.310	07:45	0.840	0.540	0.540	
5/21/2010	04:30	5.05	08:15	7.80	6.35	03:00	0.92	09:15	1.49	1.21	04:45	0.289	08:00	0.818	0.529	0.529	
5/22/2010	06:00	4.97	12:00	7.72	6.37	04:45	0.89	12:15	1.62	1.22	05:15	0.272	12:00	0.897	0.542	0.542	
5/23/2010	05:00	4.92	21:30	7.52	6.42	06:00	0.89	12:00	1.49	1.23	06:00	0.271	12:00	0.807	0.551	0.551	
5/24/2010	03:45	4.96	08:00	7.74	6.28	03:30	0.92	08:00	1.56	1.27	03:45	0.279	08:00	0.883	0.547	0.547	0.03
5/25/2010	04:45	4.87	08:30	7.62	6.28	04:45	0.92	08:30	1.62	1.29	04:45	0.272	08:30	0.899	0.559	0.559	
5/26/2010	04:30	4.95	08:00	7.55	6.30	02:30	0.92	08:00	1.59	1.25	05:15	0.290	08:00	0.870	0.543	0.543	
5/27/2010	05:00	4.78	08:15	8.11	6.27	04:45	0.86	08:15	1.52	1.24	05:00	0.256	08:15	0.917	0.534	0.534	
5/28/2010	05:00	4.70	08:30	7.41	6.11	05:00	0.86	08:30	1.57	1.26	05:00	0.241	08:30	0.839	0.525	0.525	0.06
5/29/2010	05:30	4.71	10:00	7.61	6.14	06:00	0.89	10:00	1.68	1.29	06:00	0.256	10:00	0.932	0.541	0.541	0.04
5/30/2010	05:00	4.76	11:00	8.01	6.16	05:30	0.89	10:00	1.59	1.22	05:30	0.255	11:00	0.831	0.512	0.512	
5/31/2010	04:45	4.56	11:00	7.84	6.24	03:15	0.89	12:00	1.56	1.21	05:00	0.243	12:00	0.823	0.524	0.524	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			17.520	2.27
Report Avg	6.44	1.26	0.565	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	05:00	4.70	18:30	7.67	6.33	05:15	0.86	08:15	1.53	1.24	05:15	0.244	08:45	0.835	0.548	0.548	1.07
6/2/2010	04:45	4.86	08:30	7.74	6.30	03:15	0.92	08:00	1.56	1.25	04:45	0.272	09:00	0.861	0.542	0.542	
6/3/2010	05:15	4.80	07:30	7.70	6.22	03:45	0.86	07:45	1.62	1.26	03:45	0.252	07:45	0.860	0.539	0.539	
6/4/2010	04:30	4.74	09:15	7.66	6.29	04:30	0.86	09:15	1.59	1.27	04:30	0.243	09:15	0.888	0.555	0.555	
6/5/2010	05:30	5.19	10:45	7.89	6.42	04:00	0.92	12:30	1.65	1.28	04:45	0.306	12:30	0.942	0.569	0.569	0.19
6/6/2010	04:45	4.64	22:00	7.60	6.32	04:45	0.83	10:30	1.62	1.26	04:45	0.228	11:15	0.874	0.555	0.555	0.11
6/7/2010	04:45	4.62	08:45	7.52	6.21	03:15	0.89	07:45	1.56	1.23	05:00	0.251	07:45	0.838	0.528	0.528	
6/8/2010	05:15	4.72	08:30	7.61	6.11	03:15	0.86	08:00	1.62	1.25	05:45	0.246	08:00	0.874	0.524	0.524	
6/9/2010	04:45	4.50	21:00	7.67	6.14	04:15	0.83	08:30	1.62	1.24	05:30	0.225	08:30	0.864	0.526	0.526	0.57
6/10/2010	04:30	4.89	08:30	7.58	6.19	03:45	0.86	08:00	1.68	1.26	04:30	0.255	08:00	0.889	0.538	0.538	0.01
6/11/2010	04:30	4.74	08:45	7.60	6.14	03:15	0.86	07:45	1.56	1.24	04:30	0.244	08:45	0.843	0.521	0.521	
6/12/2010	06:00	4.72	10:00	7.89	6.21	06:30	0.91	13:30	1.59	1.26	06:00	0.261	10:00	0.905	0.542	0.542	0.01
6/13/2010	05:45	4.51	11:45	7.75	6.22	05:45	0.83	12:45	1.62	1.26	05:45	0.218	11:30	0.895	0.546	0.546	0.02
6/14/2010	05:15	4.66	08:45	7.46	6.15	04:30	0.83	07:30	1.56	1.24	04:30	0.235	08:45	0.804	0.524	0.524	
6/15/2010	03:00	4.78	08:45	7.53	6.14	03:00	0.83	08:30	1.59	1.23	03:00	0.237	08:30	0.851	0.518	0.518	
6/16/2010	05:00	4.66	08:00	7.42	6.11	03:45	0.83	08:00	1.61	1.22	05:00	0.229	08:00	0.859	0.510	0.510	
6/17/2010	05:00	4.62	08:45	7.43	6.11	03:45	0.79	09:00	1.53	1.24	05:00	0.217	09:00	0.779	0.518	0.518	0.16
6/18/2010	05:00	4.66	08:30	7.44	6.08	05:30	0.83	08:30	1.58	1.24	05:30	0.234	08:30	0.845	0.515	0.515	
6/19/2010	04:45	4.66	10:15	7.52	6.13	04:45	0.86	10:45	1.53	1.24	04:45	0.238	09:30	0.820	0.523	0.523	
6/20/2010	06:00	4.40	11:45	7.65	6.21	04:45	0.86	13:15	1.59	1.27	06:00	0.227	11:45	0.885	0.549	0.549	
6/21/2010	05:15	4.46	08:45	7.21	6.08	04:00	0.86	20:30	1.53	1.23	05:15	0.223	08:00	0.732	0.514	0.514	
6/22/2010	05:00	4.51	21:15	8.33	6.18	03:00	0.83	21:45	1.62	1.26	05:15	0.224	21:15	0.955	0.539	0.539	0.71
6/23/2010	04:45	4.59	08:15	7.43	6.08	04:45	0.83	09:15	1.62	1.26	04:45	0.224	09:15	0.813	0.525	0.525	0.01
6/24/2010	05:30	4.55	08:45	7.28	6.05	05:30	0.83	07:45	1.65	1.28	05:30	0.221	07:45	0.794	0.528	0.528	0.17
6/25/2010	05:30	4.56	08:30	6.94	5.96	05:15	0.86	09:15	1.68	1.26	05:15	0.238	09:15	0.796	0.510	0.510	
6/26/2010	05:45	4.42	10:30	7.44	5.99	05:45	0.79	09:00	1.56	1.27	05:45	0.204	10:30	0.801	0.517	0.517	
6/27/2010	05:45	4.34	11:15	7.52	6.03	03:45	0.83	12:15	1.59	1.28	05:45	0.207	11:30	0.799	0.530	0.530	0.02
6/28/2010	04:45	4.48	09:30	7.00	5.97	04:00	0.86	08:30	1.53	1.30	04:45	0.233	08:45	0.738	0.525	0.525	0.01
6/29/2010	05:15	4.46	09:30	6.94	5.84	04:45	0.79	08:15	1.62	1.27	05:15	0.207	10:30	0.778	0.501	0.501	
6/30/2010	04:45	4.42	08:30	7.34	5.90	03:15	0.86	08:30	1.66	1.25	04:15	0.224	08:30	0.871	0.500	0.500	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			15.876	3.06
Report Avg	6.14	1.26	0.529	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
7/1/2010	05:15	4.48	10:15	6.91	5.87	04:45	0.76	08:30	1.56	1.22	04:45	0.201	10:15	0.754	0.483	0.483	
7/2/2010	04:30	4.42	08:45	6.96	5.87	03:15	0.79	09:00	1.65	1.22	04:45	0.205	09:00	0.797	0.485	0.485	
7/3/2010	06:15	4.32	11:00	7.32	5.95	04:15	0.76	12:00	1.59	1.21	06:15	0.197	12:00	0.817	0.494	0.494	
7/4/2010	05:45	4.29	13:15	7.21	5.81	05:15	0.76	11:00	1.59	1.19	05:45	0.189	11:00	0.786	0.469	0.469	
7/5/2010	05:45	4.44	11:15	7.42	6.00	04:30	0.79	11:15	1.65	1.24	05:45	0.206	11:15	0.884	0.512	0.512	
7/6/2010	05:00	4.55	08:45	6.94	5.99	05:00	0.79	08:30	1.56	1.24	05:00	0.213	08:45	0.758	0.504	0.504	
7/7/2010	04:30	4.48	08:45	7.04	5.91	05:15	0.79	10:00	1.56	1.24	05:15	0.208	08:45	0.757	0.497	0.497	
7/8/2010	05:15	4.34	09:00	7.47	5.89	04:30	0.83	20:30	1.59	1.24	05:15	0.207	09:00	0.839	0.494	0.494	
7/9/2010	04:45	4.64	08:30	6.85	5.95	05:15	0.83	08:45	1.56	1.24	05:45	0.229	08:45	0.730	0.499	0.499	0.09
7/10/2010	06:15	4.54	11:00	7.41	5.94	05:00	0.79	11:00	1.59	1.26	05:45	0.213	11:00	0.848	0.508	0.508	
7/11/2010	05:45	4.28	11:15	7.07	5.87	04:30	0.79	10:15	1.65	1.29	05:45	0.203	10:00	0.805	0.515	0.515	
7/12/2010	05:00	4.05	08:45	6.79	5.73	05:00	0.79	10:15	1.59	1.31	05:00	0.180	08:45	0.736	0.505	0.505	0.01
7/13/2010	04:15	4.08	20:00	6.82	5.76	05:00	0.89	21:15	1.62	1.32	05:00	0.206	21:15	0.769	0.510	0.510	0.70
7/14/2010	04:45	4.38	08:45	7.15	5.95	05:15	0.83	08:45	1.68	1.29	05:15	0.215	08:45	0.856	0.520	0.520	0.36
7/15/2010	05:00	4.49	09:00	6.98	5.93	05:15	0.83	08:45	1.68	1.25	05:00	0.226	08:45	0.814	0.501	0.501	
7/16/2010	04:45	4.47	08:30	7.04	5.88	03:30	0.92	08:45	1.62	1.28	04:45	0.240	08:45	0.768	0.506	0.506	
7/17/2010	06:30	4.55	12:00	7.17	5.93	06:00	0.83	12:00	1.75	1.29	06:30	0.221	12:00	0.891	0.519	0.519	
7/18/2010	05:15	4.48	11:45	7.11	5.94	04:15	0.83	10:15	1.68	1.29	05:45	0.217	10:15	0.835	0.523	0.523	
7/19/2010	04:45	4.37	08:45	6.91	5.88	04:30	0.83	11:00	1.72	1.31	04:45	0.209	08:45	0.800	0.520	0.520	0.41
7/20/2010	05:30	4.29	08:30	6.92	5.83	05:30	0.76	08:30	1.68	1.29	05:30	0.188	08:30	0.816	0.509	0.509	
7/21/2010	05:00	4.15	21:15	7.97	5.92	05:30	0.79	09:00	1.72	1.34	05:30	0.194	21:00	1.006	0.544	0.544	1.20
7/22/2010	05:15	4.65	09:00	7.19	5.88	04:45	0.89	08:45	1.75	1.35	05:30	0.248	08:45	0.866	0.535	0.535	
7/23/2010	05:30	4.34	09:30	6.75	5.85	04:45	0.86	09:15	1.72	1.34	04:45	0.219	09:30	0.804	0.527	0.527	0.15
7/24/2010	06:15	4.48	11:30	7.16	5.92	03:45	0.89	09:30	1.65	1.33	06:15	0.233	10:00	0.810	0.534	0.534	0.01
7/25/2010	05:30	4.61	11:30	7.28	6.22	04:30	0.92	11:30	1.68	1.34	05:00	0.255	11:30	0.876	0.576	0.576	0.67
7/26/2010	04:30	4.33	09:00	7.07	5.90	05:00	0.89	09:00	1.65	1.30	05:00	0.228	09:00	0.825	0.517	0.517	
7/27/2010	05:00	4.24	09:00	7.18	5.86	04:15	0.86	09:30	1.60	1.30	05:00	0.208	08:45	0.784	0.514	0.514	
7/28/2010	04:45	4.19	08:15	6.89	5.77	05:15	0.83	08:15	1.62	1.28	05:15	0.199	08:15	0.782	0.494	0.494	
7/29/2010	05:00	4.15	09:00	6.92	5.77	04:45	0.83	08:45	1.59	1.29	05:00	0.201	08:45	0.759	0.499	0.499	0.14
7/30/2010	05:00	4.17	09:45	7.10	5.77	05:00	0.83	09:45	1.59	1.30	05:00	0.195	09:45	0.799	0.500	0.500	
7/31/2010	05:15	4.29	12:00	7.09	5.79	05:15	0.86	10:00	1.65	1.32	05:15	0.211	10:30	0.807	0.516	0.516	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			15.832	3.74
Report Avg	5.89	1.28	0.511	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
8/1/2010	05:30	4.16	10:30	7.20	5.79	05:30	0.86	13:00	1.75	1.36	05:30	0.202	12:00	0.820	0.535	0.535	
8/2/2010	04:30	4.06	09:15	6.60	5.68	04:30	0.86	08:45	1.62	1.36	04:30	0.195	10:00	0.730	0.514	0.514	
8/3/2010	05:30	4.16	08:45	6.60	5.76	04:00	0.89	22:30	1.65	1.32	05:30	0.210	22:30	0.744	0.509	0.509	
8/4/2010	04:30	4.30	09:00	6.72	5.77	04:30	0.83	09:15	1.62	1.29	04:30	0.204	09:15	0.733	0.498	0.498	
8/5/2010	05:30	4.02	10:15	6.59	5.71	04:30	0.79	09:45	1.59	1.29	05:30	0.185	09:45	0.716	0.490	0.490	
8/6/2010	05:15	4.08	09:00	6.93	5.68	04:30	0.83	08:45	1.59	1.25	05:15	0.189	09:00	0.771	0.473	0.473	
8/7/2010	05:15	4.14	11:00	7.22	5.70	05:15	0.79	11:00	1.72	1.27	05:15	0.186	11:00	0.883	0.487	0.487	
8/8/2010	06:00	3.95	12:15	7.31	5.69	05:45	0.79	10:45	1.68	1.29	05:45	0.181	12:15	0.836	0.498	0.498	
8/9/2010	05:00	3.91	12:00	6.67	5.66	05:45	0.83	09:00	1.65	1.29	05:00	0.185	09:00	0.739	0.488	0.488	
8/10/2010	05:00	4.05	21:30	6.61	5.60	04:30	0.83	08:15	1.59	1.28	05:00	0.187	21:30	0.699	0.475	0.475	
8/11/2010	05:00	4.05	08:45	6.85	5.62	04:15	0.89	09:15	1.62	1.31	05:00	0.202	08:45	0.760	0.489	0.489	0.03
8/12/2010	05:15	4.28	08:30	6.86	5.73	04:00	0.89	08:30	1.81	1.35	05:00	0.220	08:30	0.867	0.517	0.517	
8/13/2010	04:45	4.07	09:15	7.05	5.66	04:30	0.92	09:15	1.66	1.36	04:30	0.222	09:15	0.825	0.512	0.512	
8/14/2010	05:45	4.09	10:30	7.07	5.72	04:15	0.92	09:45	1.72	1.33	05:15	0.212	10:00	0.785	0.510	0.510	
8/15/2010	06:15	4.08	11:30	7.12	5.79	03:45	0.95	21:00	1.72	1.36	06:15	0.218	21:45	0.827	0.535	0.535	0.61
8/16/2010	05:15	4.41	09:00	6.73	5.92	05:45	0.95	09:00	1.59	1.35	05:45	0.249	09:00	0.741	0.533	0.533	0.42
8/17/2010	05:15	4.18	09:00	6.79	5.78	03:15	0.92	21:45	1.60	1.31	05:15	0.218	09:00	0.751	0.508	0.508	
8/18/2010	05:30	4.28	09:45	6.81	5.81	05:45	0.89	09:30	1.65	1.33	05:00	0.231	09:45	0.769	0.519	0.519	
8/19/2010	04:45	4.22	09:00	7.03	5.78	05:30	0.89	21:00	1.65	1.35	05:30	0.221	09:00	0.771	0.523	0.523	
8/20/2010	04:30	4.15	10:45	6.95	5.76	05:15	0.92	09:30	1.72	1.37	05:30	0.228	09:30	0.788	0.528	0.528	
8/21/2010	05:45	4.16	10:15	7.35	5.83	05:15	0.83	10:15	1.75	1.32	06:15	0.199	10:15	0.922	0.525	0.525	
8/22/2010	05:00	4.04	21:15	12.92	7.06	06:00	0.86	20:45	2.03	1.45	06:00	0.202	21:15	2.161	0.805	0.805	3.59
8/23/2010	04:00	6.13	09:00	7.94	6.94	01:15	1.40	11:30	1.81	1.58	04:45	0.590	08:45	0.991	0.770	0.770	0.35
8/24/2010	05:15	5.02	11:00	7.19	6.26	05:15	1.08	22:30	1.75	1.46	05:15	0.333	09:30	0.840	0.623	0.623	0.12
8/25/2010	04:45	5.12	08:00	7.41	6.44	03:30	1.14	09:00	1.72	1.49	04:45	0.363	08:00	0.899	0.662	0.662	0.19
8/26/2010	05:00	4.84	08:15	7.24	6.20	05:00	1.02	09:30	1.75	1.47	05:00	0.297	09:30	0.889	0.622	0.622	0.05
8/27/2010	04:30	4.66	08:45	7.16	6.13	04:30	1.02	10:30	1.75	1.45	04:30	0.282	08:45	0.840	0.606	0.606	
8/28/2010	06:00	4.60	12:45	7.46	6.10	05:00	1.05	10:30	1.81	1.49	05:00	0.290	10:30	0.971	0.623	0.623	
8/29/2010	04:45	4.47	11:45	7.49	6.08	04:45	1.02	12:15	1.91	1.48	04:45	0.266	12:15	1.003	0.622	0.622	
8/30/2010	05:15	4.36	12:45	7.04	6.01	05:15	0.99	08:15	1.78	1.46	05:15	0.248	08:15	0.834	0.595	0.595	
8/31/2010	05:15	4.30	11:00	7.27	5.98	05:15	0.95	08:45	1.84	1.46	05:15	0.236	08:45	0.916	0.594	0.594	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			17.188	5.36
Report Avg	5.92	1.37	0.554	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH567A, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	04:45	4.41	20:30	7.15	6.01	05:15	1.02	21:15	1.71	1.44	05:15	0.268	21:15	0.861	0.590	0.590	
9/2/2010	05:00	4.47	08:45	7.12	5.97	04:30	1.02	09:00	1.75	1.44	04:30	0.271	09:00	0.875	0.584	0.584	
9/3/2010	05:30	4.37	09:00	7.19	5.97	05:00	0.99	09:00	1.75	1.44	05:00	0.252	09:00	0.894	0.581	0.581	
9/4/2010	05:45	4.28	11:00	7.48	5.95	04:30	0.99	10:00	1.77	1.42	06:15	0.247	11:15	0.920	0.576	0.576	
9/5/2010	05:30	4.24	11:15	7.42	5.87	05:30	0.95	12:00	1.78	1.41	05:30	0.231	12:00	0.930	0.563	0.563	
9/6/2010	05:15	4.34	10:45	7.82	6.09	05:45	0.95	11:15	1.75	1.41	05:45	0.242	10:45	0.968	0.594	0.594	
9/7/2010	05:30	4.34	08:00	7.69	5.96	05:00	0.99	09:00	1.81	1.40	05:30	0.248	08:00	0.999	0.567	0.567	
9/8/2010	05:00	4.23	08:15	7.03	5.90	04:30	0.95	08:30	1.84	1.46	04:30	0.233	08:30	0.900	0.582	0.582	0.02
9/9/2010	04:30	4.25	08:45	7.00	5.91	04:45	0.95	09:30	1.75	1.42	04:30	0.236	10:00	0.859	0.569	0.569	
9/10/2010	04:45	4.39	09:30	6.93	5.90	05:45	0.95	09:00	1.72	1.41	05:45	0.245	08:45	0.809	0.563	0.563	
9/11/2010	05:30	4.34	11:00	7.45	5.94	05:30	0.95	10:15	1.81	1.44	05:30	0.238	11:00	0.938	0.584	0.584	
9/12/2010	05:30	4.19	11:15	7.97	6.05	05:00	0.99	20:00	1.81	1.44	05:00	0.235	11:15	1.050	0.606	0.606	
9/13/2010	05:00	4.18	08:15	7.48	6.02	04:45	0.95	15:15	1.78	1.43	04:45	0.228	08:15	0.928	0.596	0.596	
9/14/2010	04:45	4.31	08:30	7.78	5.97	04:45	0.99	08:00	1.81	1.44	04:45	0.244	08:00	0.967	0.585	0.585	0.01
9/15/2010	05:00	4.17	08:15	7.70	5.95	04:15	0.95	08:30	1.88	1.42	05:00	0.225	08:15	1.018	0.576	0.576	
9/16/2010	03:30	4.38	08:15	7.50	5.94	03:15	1.02	07:15	1.72	1.46	05:00	0.269	20:15	0.862	0.582	0.582	0.16
9/17/2010	03:45	4.31	08:15	7.48	5.92	05:00	0.99	08:00	1.84	1.46	03:45	0.252	08:00	0.994	0.579	0.579	0.06
9/18/2010	05:45	4.15	09:30	7.59	6.00	02:45	1.02	09:30	1.78	1.42	06:30	0.252	09:30	0.980	0.586	0.586	
9/19/2010	06:00	4.16	11:45	7.51	6.01	05:15	0.95	10:00	1.81	1.39	05:15	0.227	10:00	0.965	0.578	0.578	
9/20/2010	04:30	4.09	08:45	7.45	5.90	03:45	0.95	08:15	1.75	1.38	04:30	0.227	08:15	0.937	0.553	0.553	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			11.594	0.25
Report Avg	5.96	1.43	0.580	

Site Commentary

Site Information

MH593	
Pipe Dimensions (in.)	Circular (20.87 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH593 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	3.65	3.99	0.755
Minimum	1.94	1.76	0.154
Maximum	7.91	7.64	3.898
Time of Minimum	4/24/2010 6:00 AM	9/20/2010 5:45 AM	9/20/2010 5:45 AM
Time of Maximum	8/22/2010 9:00 PM	3/23/2010 3:00 AM	3/30/2010 12:00 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	99.68
Velocity (ft/s)	99.68
Quantity (MGD)	99.68

a division of ADS LLC.

Site Name:	YORKTOWN_MH-593	Meter Type:	1502 EM	Monitor S/N:	8922	Manhole #:	
Address / Location:	BROOKSIDE AVENUE (HOUSE 2165)			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	20.87 Inches		
				Pipe Width:	20.87 Inches		
				Phone Number:			



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 16, 2010	11:45 AM	Manhole Depth:	10 Feet	1 Inch
Site Hydraulics:	Slight choppy flow with fast velocity		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	Precast	Good
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	4.75 +/- 0.5		Telephone Information:		
Range (Air Dof):	14.5 +/- 0.5		Access Pole #:	N/A	
Peak Velocity:	6.89 fps		Distance From Manhole:	N/A Feet	
Silt:	0 Inches		Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
N 41° 16' 46.9" W 73° 46' 44.0"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk				
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station				
Surcharge Height:		WWTP				
Rain Gauge Zone:		Other				

Additional Site Information / Comments:

PRESS SN 81791 ULTRA PO 1.50

SCATTERGRAPH REPORT

MH593

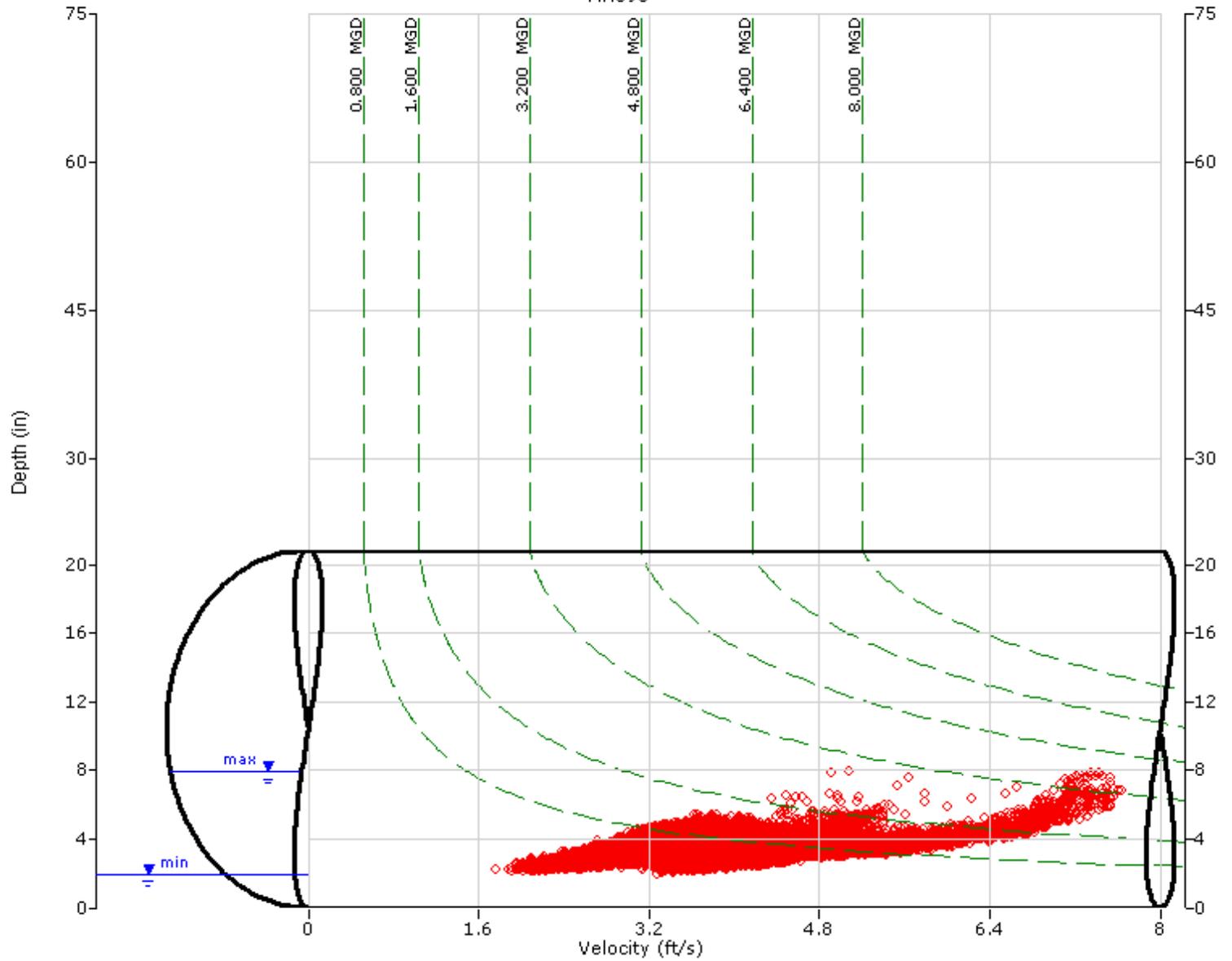
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH593

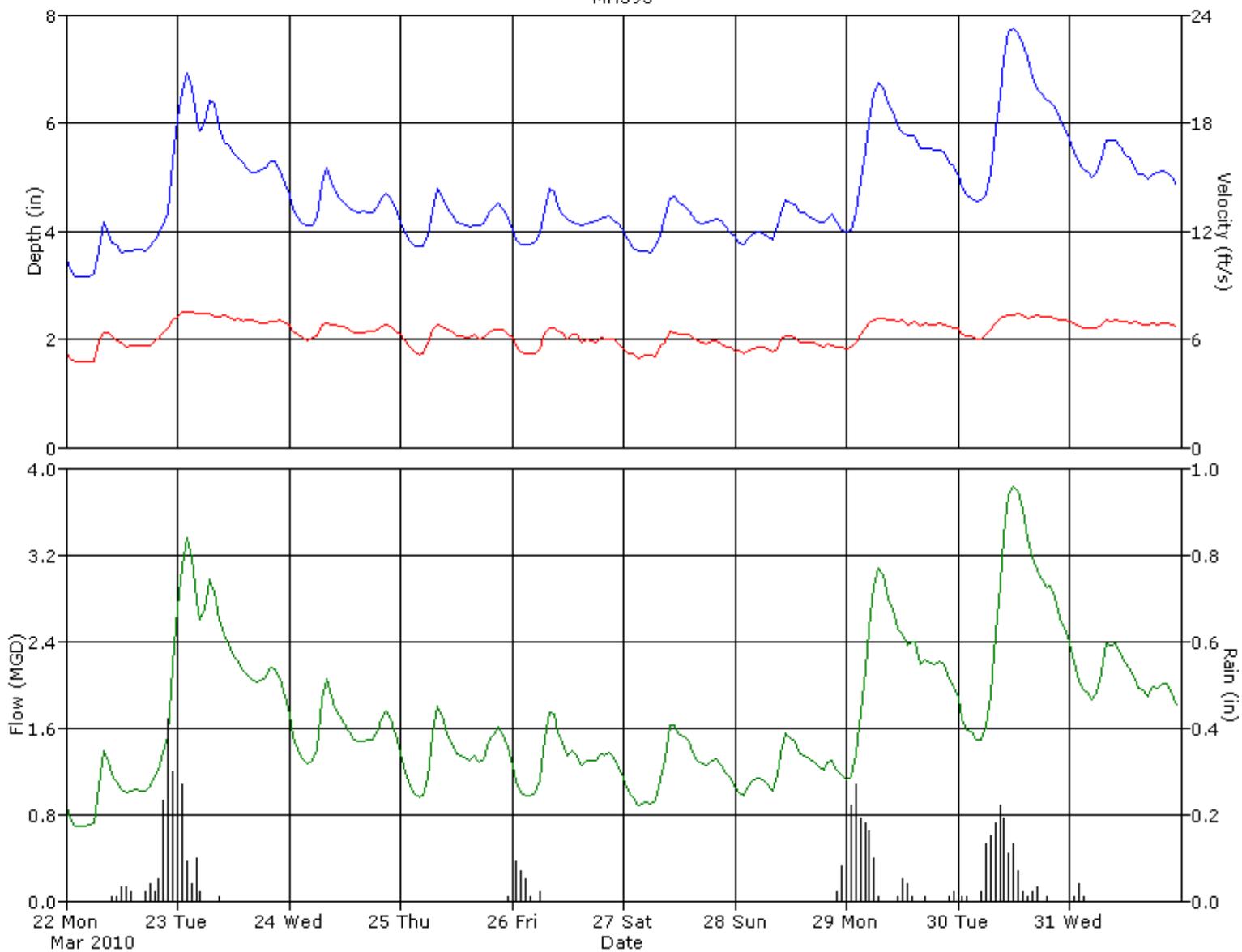
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH593

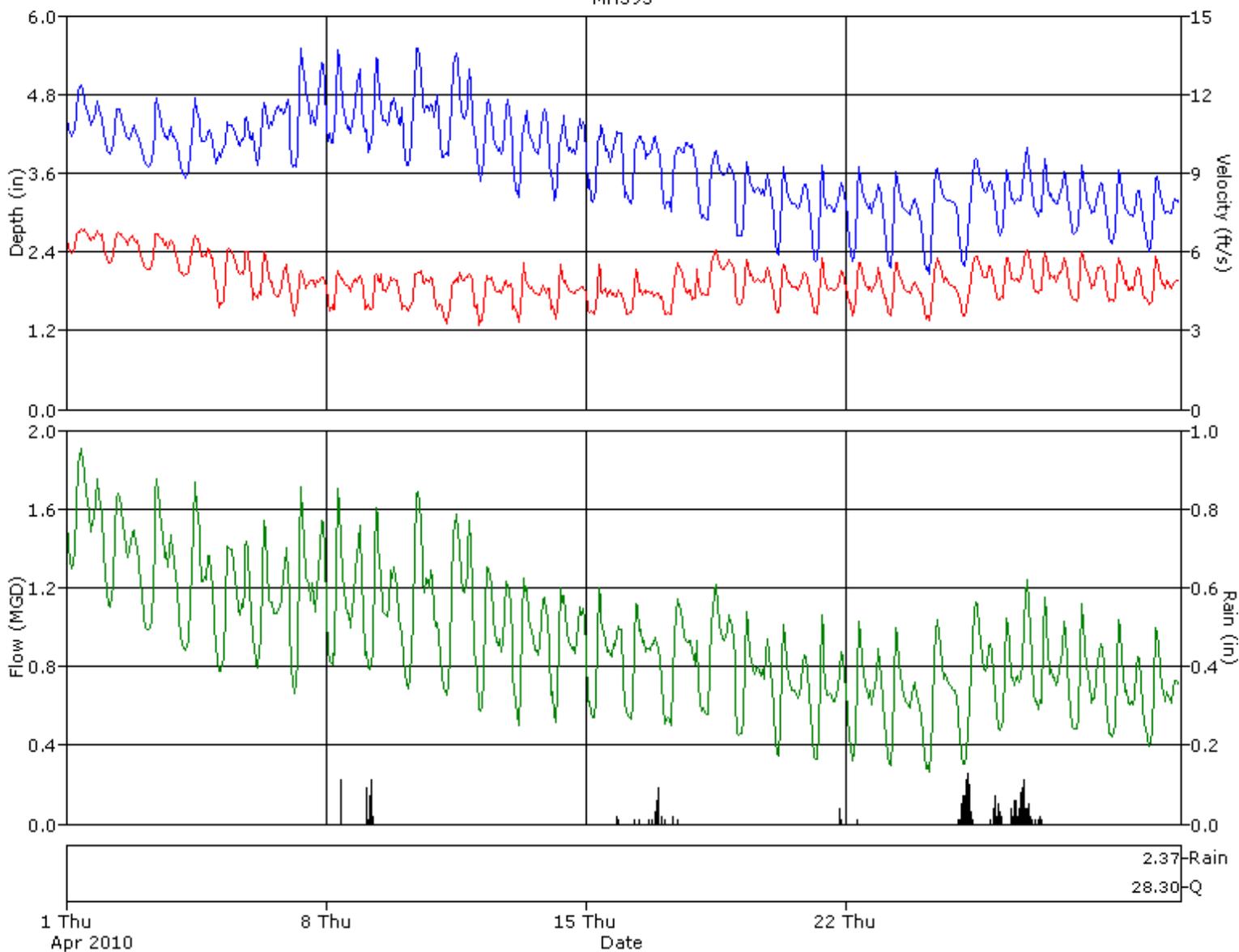
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH593

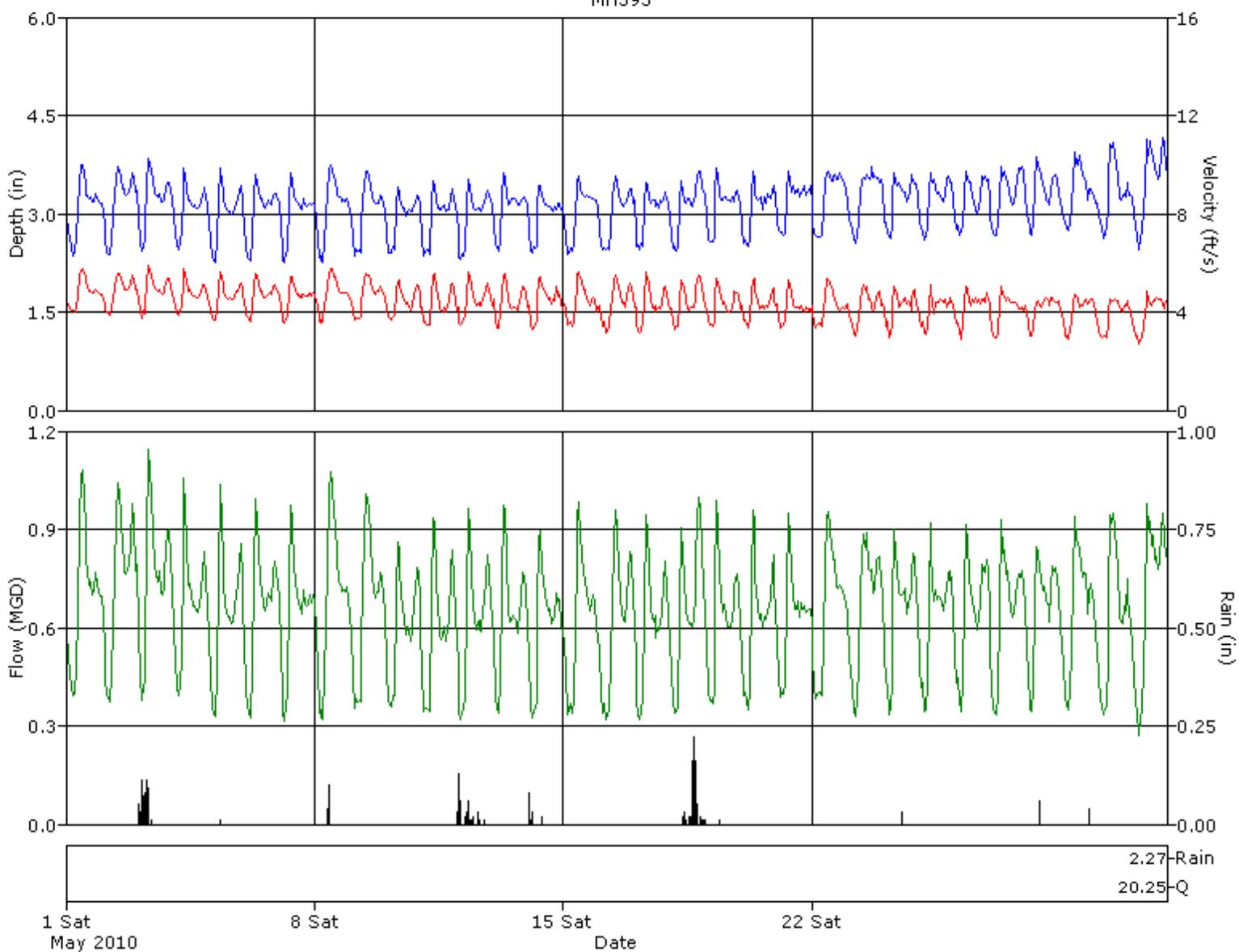
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH593

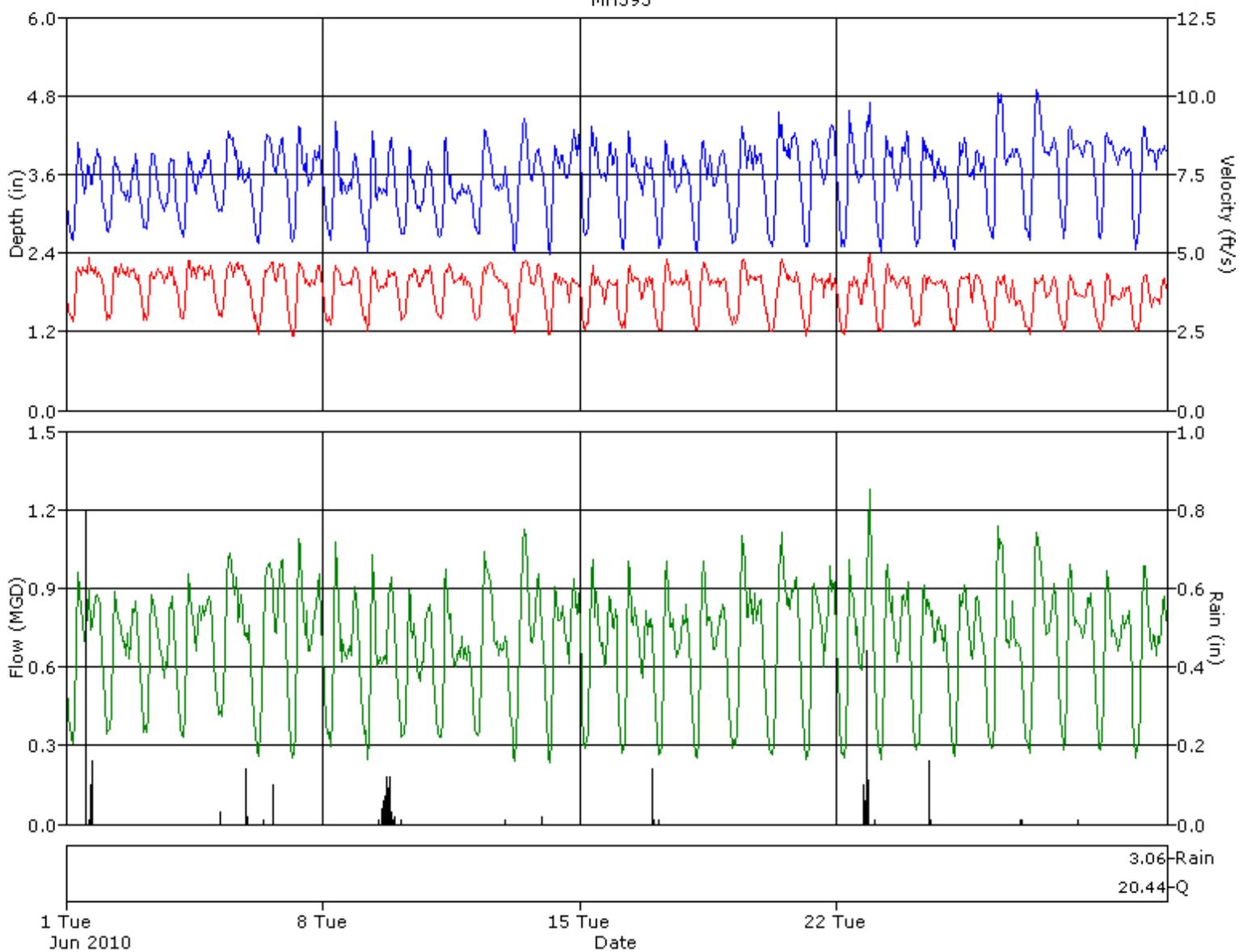
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH593

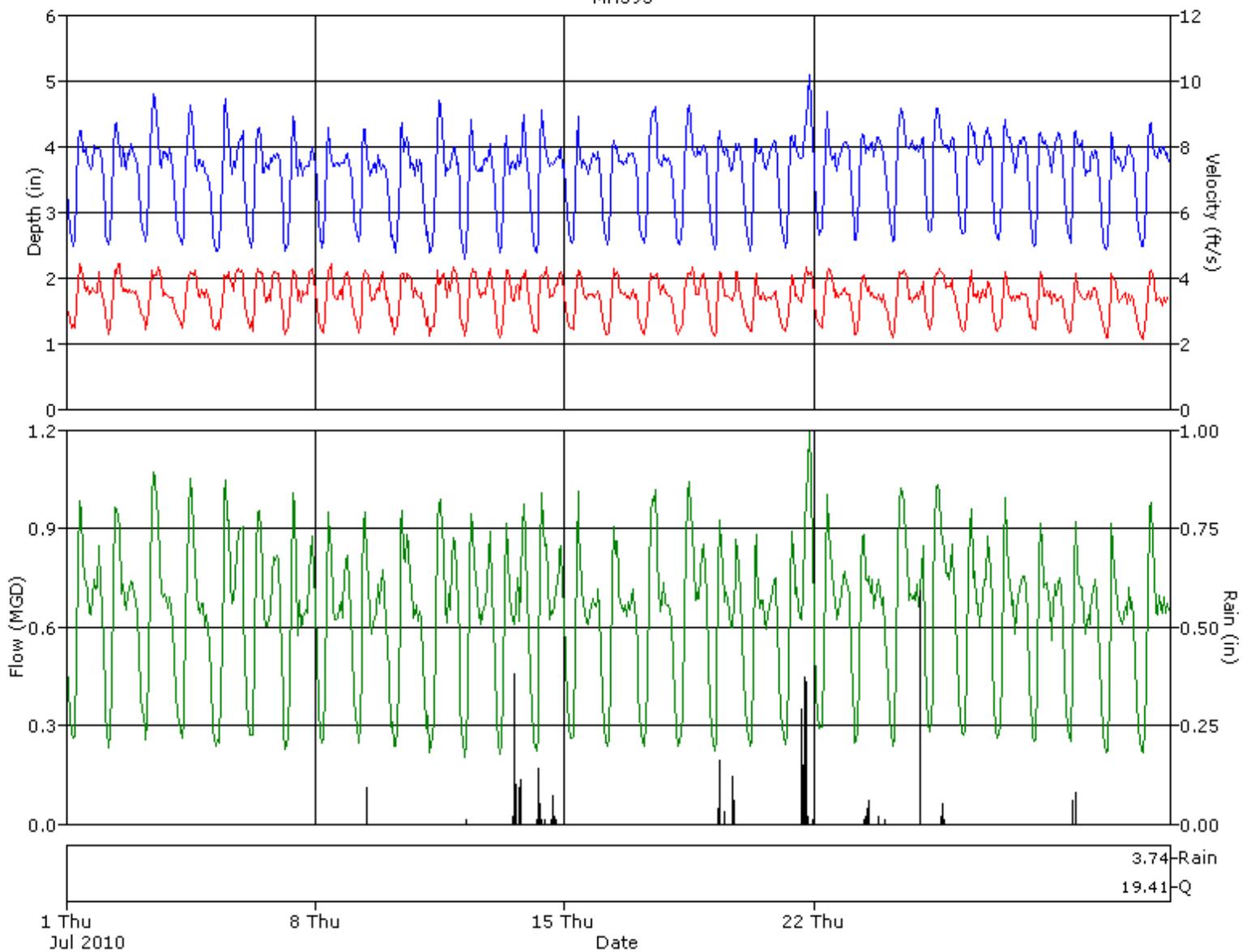
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH593

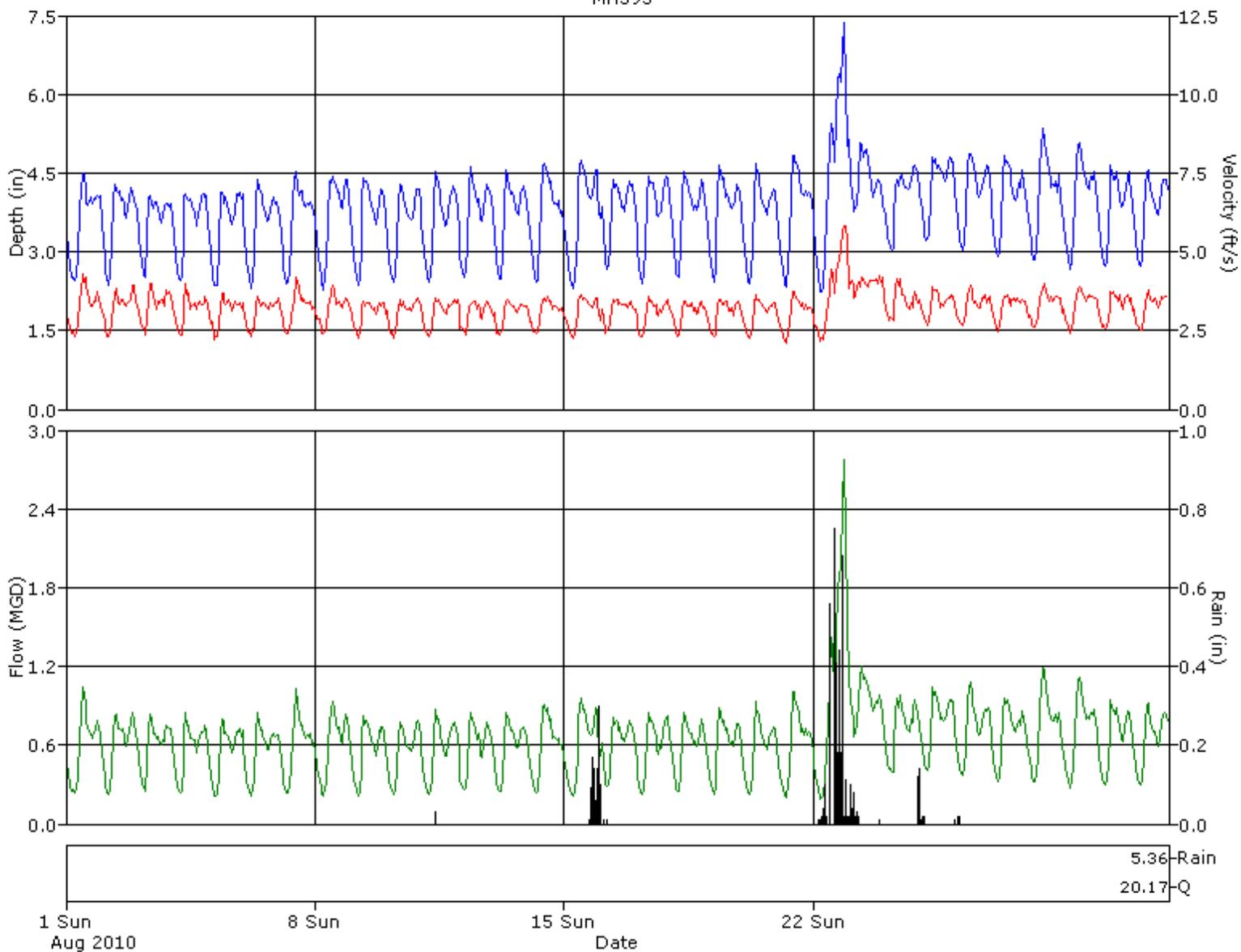
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH593

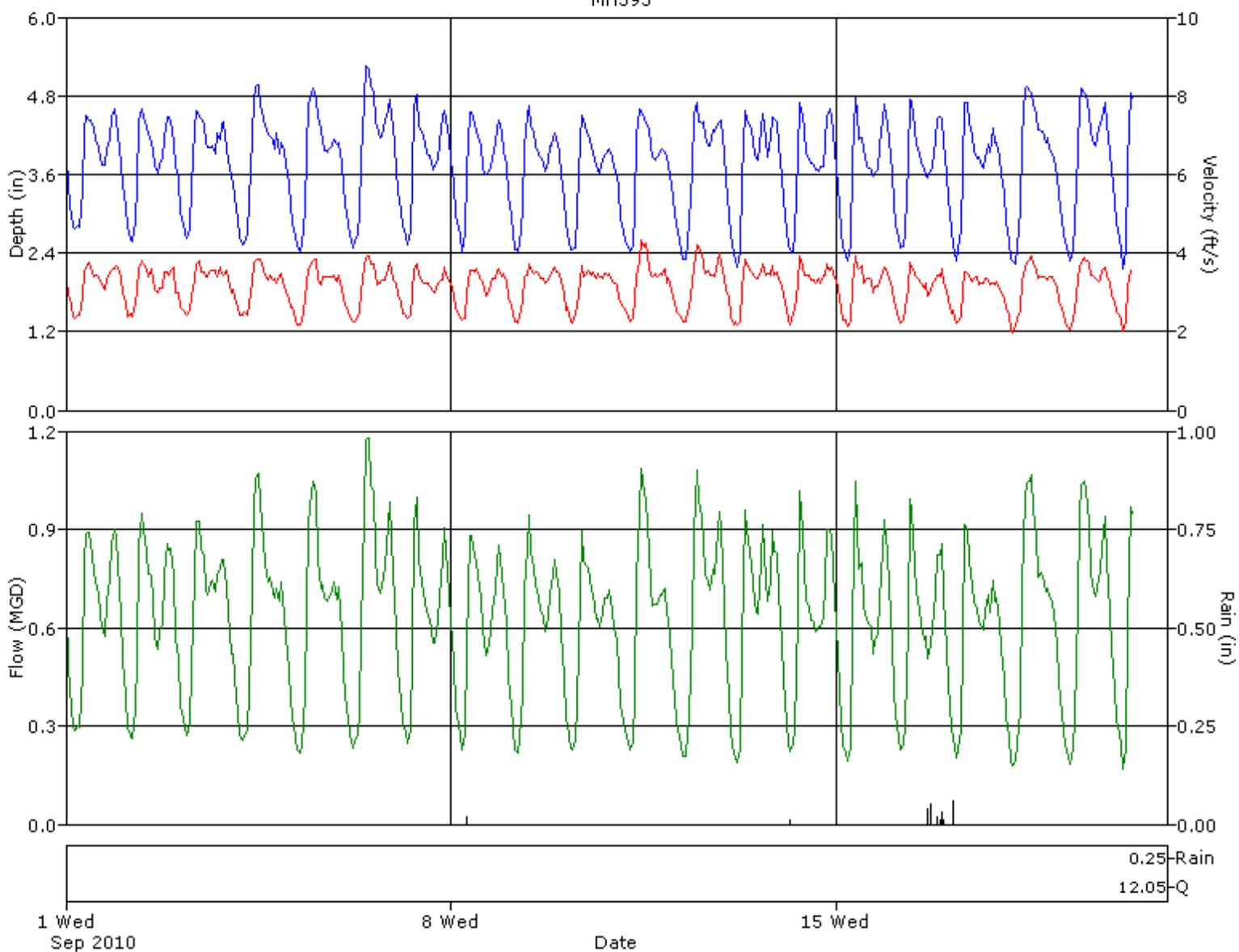
Flow Monitor
MH593

Nominal Diameter
21-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	02:30	3.11	23:45	5.59	3.70	02:30	4.57	23:30	7.32	5.68	02:30	0.653	23:45	2.389	1.070	1.070	1.18
3/23/2010	23:45	4.80	02:30	7.04	5.68	18:30	6.75	03:00	7.64	7.19	23:45	1.856	02:30	3.417	2.449	2.449	0.83
3/24/2010	05:15	4.07	08:45	5.23	4.49	04:30	5.82	08:15	7.14	6.51	04:30	1.229	08:15	2.082	1.585	1.585	
3/25/2010	04:45	3.71	08:00	4.85	4.18	04:45	4.93	09:00	6.89	6.14	04:45	0.908	08:00	1.858	1.354	1.354	0.01
3/26/2010	03:15	3.74	09:00	4.88	4.16	06:15	5.00	09:15	6.75	5.94	03:45	0.947	09:00	1.834	1.301	1.301	0.26
3/27/2010	04:15	3.57	11:15	4.74	4.08	03:00	4.82	10:30	6.50	5.69	03:45	0.853	10:30	1.684	1.216	1.216	
3/28/2010	02:15	3.70	11:30	4.70	4.13	08:15	4.96	11:15	6.39	5.64	08:15	0.943	11:30	1.591	1.219	1.219	0.10
3/29/2010	00:15	3.93	07:15	6.79	5.58	00:00	5.21	07:15	7.32	6.71	00:00	1.058	07:15	3.173	2.244	2.244	1.51
3/30/2010	05:00	4.53	11:45	7.83	6.10	04:15	5.79	14:00	7.54	6.90	04:15	1.424	12:00	3.898	2.638	2.638	1.34
3/31/2010	23:45	4.76	10:00	5.80	5.24	03:15	6.43	11:15	7.14	6.84	23:45	1.732	08:30	2.454	2.070	2.070	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			17.147	5.29
Report Avg	4.73	6.32	1.715	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	04:15	4.10	11:15	5.03	4.52	04:00	5.88	11:15	7.00	6.54	04:30	1.282	11:15	1.998	1.605	1.605	
4/2/2010	04:15	3.82	11:00	4.87	4.20	04:15	5.48	10:15	6.82	6.26	04:15	1.055	11:00	1.723	1.387	1.387	
4/3/2010	06:00	3.65	11:15	4.82	4.13	06:00	5.27	11:45	6.79	6.08	06:00	0.951	11:15	1.783	1.319	1.319	
4/4/2010	05:00	3.52	11:15	4.85	4.06	04:00	4.89	10:45	6.68	5.80	04:00	0.867	11:15	1.810	1.234	1.234	
4/5/2010	04:30	3.65	08:45	4.52	4.13	03:45	3.66	20:30	6.36	5.26	05:00	0.719	20:30	1.542	1.143	1.143	
4/6/2010	04:45	3.66	23:45	4.92	4.36	17:30	4.05	08:45	6.18	4.83	04:00	0.781	08:15	1.609	1.132	1.132	
4/7/2010	05:15	3.49	08:45	5.61	4.59	04:45	3.46	08:15	5.39	4.70	04:15	0.636	08:15	1.781	1.195	1.195	
4/8/2010	04:45	3.94	09:00	5.82	4.56	04:15	3.61	08:45	5.36	4.64	04:00	0.772	09:00	1.870	1.165	1.165	0.11
4/9/2010	04:00	3.81	09:00	5.52	4.53	01:30	3.70	12:15	5.54	4.59	04:00	0.746	09:00	1.718	1.140	1.140	0.30
4/10/2010	04:15	3.61	10:45	5.72	4.55	06:00	3.50	11:00	5.50	4.56	05:15	0.653	11:00	1.854	1.148	1.148	
4/11/2010	04:00	3.67	12:15	5.61	4.58	06:45	3.16	21:15	5.39	4.50	07:30	0.631	21:15	1.645	1.144	1.144	
4/12/2010	04:00	3.35	09:15	4.96	4.16	03:45	3.07	08:15	5.35	4.43	04:00	0.537	09:15	1.427	0.979	0.979	
4/13/2010	05:00	3.14	10:00	4.66	4.04	05:15	3.14	08:45	5.61	4.41	05:00	0.469	08:30	1.282	0.931	0.931	
4/14/2010	03:45	3.09	20:45	4.64	3.93	04:45	3.14	08:30	5.71	4.44	04:30	0.491	08:30	1.255	0.904	0.904	
4/15/2010	04:00	3.12	11:15	4.44	3.88	05:15	3.36	08:30	5.77	4.36	05:15	0.500	08:30	1.270	0.868	0.868	0.03
4/16/2010	05:00	2.99	11:15	4.31	3.79	03:45	3.39	09:00	5.66	4.34	03:45	0.489	09:00	1.219	0.838	0.838	0.22
4/17/2010	03:15	2.94	16:30	4.19	3.71	04:15	3.43	11:00	5.79	4.44	03:15	0.461	11:00	1.190	0.833	0.833	0.06
4/18/2010	03:00	2.77	12:00	4.00	3.46	07:00	4.19	12:00	6.16	5.22	07:00	0.509	12:00	1.268	0.889	0.889	
4/19/2010	04:30	2.52	08:45	3.82	3.25	04:30	3.84	08:45	5.83	4.86	04:30	0.404	08:45	1.123	0.754	0.754	
4/20/2010	04:45	2.32	08:00	3.72	3.09	05:30	3.61	09:00	5.64	4.68	04:45	0.339	08:00	1.027	0.680	0.680	
4/21/2010	05:15	2.16	08:15	3.77	3.04	05:00	3.50	09:00	5.96	4.66	05:15	0.304	09:00	1.116	0.663	0.663	0.05
4/22/2010	05:00	2.21	08:30	3.75	3.06	04:00	3.46	08:30	5.70	4.68	04:30	0.306	08:30	1.070	0.669	0.669	0.01
4/23/2010	05:00	2.05	08:30	3.71	2.97	05:00	3.32	08:30	5.79	4.57	05:00	0.259	08:30	1.070	0.627	0.627	
4/24/2010	06:00	1.94	11:00	3.73	2.99	06:00	3.29	11:15	5.90	4.63	06:00	0.235	11:15	1.088	0.650	0.650	
4/25/2010	04:00	2.13	12:00	3.90	3.13	05:30	3.46	12:00	5.98	4.86	04:00	0.288	12:00	1.186	0.732	0.732	0.65
4/26/2010	05:30	2.62	21:00	4.04	3.25	01:30	3.89	21:00	6.21	5.06	01:30	0.437	21:00	1.295	0.791	0.791	0.88
4/27/2010	04:15	2.88	08:30	3.87	3.29	02:15	4.32	09:15	6.14	5.15	04:15	0.553	08:00	1.161	0.809	0.809	0.06
4/28/2010	02:45	2.48	08:45	3.78	3.12	05:15	3.93	09:00	6.21	4.97	02:45	0.435	08:45	1.170	0.728	0.728	
4/29/2010	05:30	2.47	09:00	3.75	3.05	02:30	4.00	09:00	5.96	4.84	02:15	0.419	09:00	1.119	0.683	0.683	
4/30/2010	04:15	2.38	09:15	3.63	3.02	05:00	3.96	08:45	6.07	4.74	04:15	0.384	08:45	1.079	0.659	0.659	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			28.301	2.37
Report Avg	3.75	4.90	0.943	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	06:00	2.31	10:15	3.80	3.11	04:45	3.79	11:15	5.93	4.80	06:15	0.357	11:15	1.116	0.704	0.704	
5/2/2010	06:30	2.34	11:30	3.81	3.17	05:15	3.82	11:30	5.81	4.83	06:30	0.364	11:30	1.115	0.730	0.730	
5/3/2010	03:45	2.36	08:30	4.01	3.22	03:30	3.71	08:30	6.18	4.87	03:45	0.356	08:30	1.277	0.750	0.750	0.56
5/4/2010	04:45	2.42	08:30	3.77	3.11	03:15	3.71	08:45	5.93	4.75	04:15	0.368	08:45	1.083	0.692	0.692	
5/5/2010	05:15	2.12	08:45	3.79	3.03	04:15	3.57	08:45	5.82	4.64	05:15	0.296	08:45	1.110	0.656	0.656	0.01
5/6/2010	05:00	2.23	08:15	3.68	3.05	05:30	3.50	09:00	5.68	4.67	05:30	0.316	08:15	1.015	0.666	0.666	
5/7/2010	06:00	2.17	09:00	3.71	3.01	05:45	3.39	09:00	5.71	4.57	06:00	0.289	09:00	1.055	0.639	0.639	
5/8/2010	06:30	2.14	12:00	3.81	3.08	06:15	3.43	11:45	5.98	4.71	06:30	0.297	12:00	1.113	0.687	0.687	0.14
5/9/2010	03:30	2.23	11:45	3.82	3.06	04:15	3.57	11:45	5.83	4.67	03:30	0.321	11:45	1.122	0.671	0.671	
5/10/2010	06:15	2.29	08:45	3.55	2.98	06:15	3.57	09:00	5.46	4.49	06:15	0.327	08:45	0.939	0.615	0.615	
5/11/2010	06:00	2.21	08:45	3.54	2.99	06:00	3.14	09:15	5.77	4.36	06:00	0.274	09:15	0.986	0.603	0.603	
5/12/2010	03:30	2.19	08:15	3.61	2.99	04:15	3.32	08:45	5.79	4.45	02:30	0.298	08:30	0.989	0.616	0.616	0.46
5/13/2010	03:00	2.31	08:45	3.68	3.07	03:30	3.25	08:15	5.71	4.37	04:15	0.310	09:00	1.023	0.627	0.627	
5/14/2010	03:15	2.33	09:00	3.62	3.00	03:00	3.13	08:45	5.57	4.44	03:00	0.293	08:45	0.966	0.614	0.614	0.14
5/15/2010	03:00	2.31	11:15	3.67	3.06	06:45	3.23	13:15	5.71	4.42	04:00	0.312	11:15	1.011	0.634	0.634	
5/16/2010	07:30	2.32	13:00	3.62	3.04	05:30	2.95	11:15	5.57	4.43	05:30	0.308	13:00	0.991	0.632	0.632	
5/17/2010	04:30	2.34	09:15	3.59	3.05	03:45	3.02	08:00	5.75	4.28	04:30	0.308	08:15	0.984	0.609	0.609	
5/18/2010	05:30	2.29	20:45	3.82	3.11	04:00	3.11	20:45	5.75	4.42	05:30	0.323	20:45	1.108	0.651	0.651	0.81
5/19/2010	03:00	2.45	08:15	3.78	3.13	06:00	3.18	08:15	5.68	4.31	06:00	0.334	08:15	1.078	0.635	0.635	0.02
5/20/2010	05:45	2.43	09:00	3.82	3.12	05:30	3.14	09:00	5.72	4.35	05:30	0.336	09:00	1.100	0.636	0.636	
5/21/2010	05:00	2.50	08:30	3.77	3.21	03:30	3.16	08:00	5.41	4.18	04:00	0.368	08:30	1.005	0.635	0.635	
5/22/2010	03:00	2.52	11:15	3.71	3.25	07:00	3.13	10:15	5.50	4.25	03:00	0.361	11:00	1.003	0.665	0.665	
5/23/2010	06:00	2.51	19:30	3.78	3.26	06:30	2.68	11:00	5.25	4.20	06:30	0.290	13:00	0.956	0.659	0.659	
5/24/2010	05:15	2.53	19:45	3.71	3.25	04:15	2.70	08:15	5.29	4.23	05:15	0.291	08:15	0.967	0.657	0.657	0.03
5/25/2010	04:15	2.57	08:45	3.69	3.24	05:30	2.70	08:15	5.34	4.18	05:15	0.308	08:15	0.970	0.646	0.646	
5/26/2010	04:45	2.60	08:15	3.75	3.23	05:15	2.80	08:15	5.14	4.25	04:45	0.334	08:15	0.963	0.653	0.653	
5/27/2010	05:30	2.50	10:45	3.87	3.28	04:00	2.82	08:30	5.38	4.12	05:30	0.309	08:30	1.040	0.651	0.651	
5/28/2010	04:30	2.57	07:45	4.12	3.30	03:00	2.82	14:00	4.71	4.12	04:30	0.321	07:45	0.913	0.652	0.652	0.06
5/29/2010	06:45	2.61	10:15	4.11	3.31	04:30	2.80	10:45	4.96	4.04	06:45	0.316	10:30	0.987	0.646	0.646	0.04
5/30/2010	07:00	2.49	12:15	4.16	3.31	04:15	2.82	10:30	4.79	3.92	05:45	0.299	10:30	1.019	0.632	0.632	
5/31/2010	05:15	2.37	10:30	4.28	3.48	05:45	2.64	11:45	5.16	3.96	05:15	0.262	11:15	1.013	0.692	0.692	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			20.253	2.27
Report Avg	3.15	4.40	0.653	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	04:00	2.47	08:15	4.19	3.46	05:00	2.71	15:15	5.02	4.08	05:00	0.296	08:30	0.990	0.700	0.700	1.07
6/2/2010	04:15	2.66	22:45	4.05	3.38	03:00	2.80	12:30	4.80	4.08	04:15	0.325	08:15	0.913	0.671	0.671	
6/3/2010	05:45	2.71	09:45	4.06	3.36	05:30	2.71	22:45	4.79	4.04	05:30	0.322	08:45	0.911	0.659	0.659	
6/4/2010	04:30	2.62	22:15	4.07	3.45	04:15	2.86	08:30	5.21	4.13	04:30	0.318	08:30	1.056	0.703	0.703	
6/5/2010	06:00	2.97	10:30	4.34	3.61	06:15	2.75	10:45	5.15	4.11	06:15	0.377	11:15	1.103	0.742	0.742	0.19
6/6/2010	05:45	2.41	12:45	4.37	3.59	06:15	2.21	19:45	4.84	3.97	06:45	0.233	22:15	1.078	0.728	0.728	0.11
6/7/2010	04:30	2.41	09:00	4.45	3.56	04:15	2.21	08:45	4.93	3.86	03:30	0.225	08:45	1.173	0.700	0.700	
6/8/2010	05:00	2.54	08:45	4.52	3.43	05:00	2.64	09:30	4.71	3.91	05:00	0.282	08:45	1.112	0.664	0.664	
6/9/2010	05:45	2.21	21:30	4.31	3.40	05:15	2.39	08:30	4.82	3.87	05:45	0.210	08:30	1.102	0.650	0.650	0.57
6/10/2010	04:30	2.59	08:15	4.16	3.30	03:00	2.75	12:45	4.71	3.99	04:30	0.318	09:15	0.944	0.635	0.635	0.01
6/11/2010	03:30	2.53	09:15	4.28	3.29	05:45	2.80	11:00	4.71	3.94	05:15	0.300	09:00	1.019	0.624	0.624	
6/12/2010	07:00	2.60	10:30	4.44	3.43	03:45	2.71	15:15	4.86	3.93	03:45	0.313	10:30	1.133	0.668	0.668	0.01
6/13/2010	05:15	2.37	11:30	4.58	3.53	05:45	2.36	21:30	4.86	3.88	05:45	0.230	11:30	1.200	0.699	0.699	0.02
6/14/2010	05:45	2.22	20:45	4.40	3.57	06:15	2.29	09:00	4.71	3.73	05:45	0.207	09:00	1.004	0.676	0.676	
6/15/2010	04:15	2.43	08:00	4.62	3.61	04:15	2.39	09:15	4.66	3.70	04:15	0.239	09:00	1.089	0.676	0.676	
6/16/2010	05:45	2.31	08:00	4.39	3.50	06:15	2.34	08:30	4.89	3.77	05:45	0.242	08:30	1.149	0.661	0.661	
6/17/2010	04:00	2.36	08:30	4.17	3.46	05:15	2.36	09:30	4.89	3.85	05:15	0.237	09:15	1.017	0.664	0.664	0.16
6/18/2010	05:30	2.23	08:45	4.47	3.51	06:15	2.29	10:15	5.00	3.85	05:30	0.224	08:45	1.202	0.680	0.680	
6/19/2010	04:45	2.34	10:30	4.48	3.58	04:30	2.46	11:30	4.94	3.87	04:30	0.260	10:30	1.184	0.706	0.706	
6/20/2010	04:15	2.30	10:15	4.64	3.65	04:45	2.20	11:30	4.90	3.80	06:00	0.226	12:15	1.210	0.720	0.720	
6/21/2010	05:45	2.41	22:15	4.62	3.61	04:15	2.36	20:00	4.50	3.73	04:45	0.238	20:30	1.067	0.689	0.689	
6/22/2010	05:45	2.38	22:15	4.79	3.64	05:15	2.18	22:00	5.09	3.72	05:45	0.229	22:30	1.320	0.702	0.702	0.71
6/23/2010	05:00	2.20	08:00	4.38	3.57	03:15	2.20	09:30	4.89	3.83	05:00	0.194	08:45	1.048	0.695	0.695	0.01
6/24/2010	06:00	2.28	08:00	4.24	3.53	06:30	2.55	20:15	4.54	3.74	06:00	0.250	09:15	0.941	0.665	0.665	0.17
6/25/2010	04:45	2.30	12:15	4.42	3.54	04:45	2.39	15:15	4.70	3.78	04:45	0.220	12:15	1.001	0.673	0.673	
6/26/2010	05:45	2.49	11:00	4.96	3.75	05:45	2.29	13:00	4.50	3.50	05:45	0.236	10:30	1.191	0.685	0.685	
6/27/2010	06:00	2.50	11:45	4.98	3.77	06:15	2.29	15:00	4.34	3.53	06:15	0.242	11:45	1.153	0.700	0.700	0.02
6/28/2010	05:00	2.56	10:00	4.47	3.75	06:30	2.36	09:15	4.48	3.55	05:45	0.263	09:15	1.046	0.689	0.689	0.01
6/29/2010	04:45	2.55	09:45	4.40	3.67	07:00	2.38	09:15	4.46	3.48	05:45	0.267	09:45	1.028	0.655	0.655	
6/30/2010	04:15	2.44	09:15	4.50	3.67	04:00	2.29	21:15	4.52	3.50	04:00	0.232	09:15	1.059	0.660	0.660	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			20.439	3.06
Report Avg	3.54	3.82	0.681	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	05:00	2.40	10:45	4.39	3.62	04:15	2.19	09:30	4.53	3.47	04:15	0.240	09:15	1.021	0.642	0.642	
7/2/2010	05:00	2.41	10:00	4.49	3.61	05:15	2.11	12:00	4.83	3.48	05:00	0.212	11:00	1.068	0.640	0.640	
7/3/2010	02:45	2.39	11:15	4.91	3.66	06:30	2.08	14:45	4.64	3.44	06:30	0.224	11:15	1.147	0.650	0.650	
7/4/2010	06:15	2.47	12:15	4.72	3.53	06:15	2.27	15:00	4.37	3.41	06:15	0.233	12:00	1.088	0.610	0.610	
7/5/2010	07:15	2.16	11:45	4.91	3.59	05:15	2.24	22:30	4.48	3.53	07:15	0.188	11:45	1.146	0.657	0.657	
7/6/2010	05:30	2.27	11:45	4.40	3.56	06:00	2.10	08:45	4.37	3.56	06:00	0.222	09:15	1.031	0.642	0.642	
7/7/2010	06:15	2.33	09:15	4.66	3.51	04:45	2.10	21:45	4.42	3.46	04:45	0.197	09:15	1.118	0.614	0.614	
7/8/2010	03:45	2.27	09:15	4.43	3.51	05:45	2.17	10:00	4.57	3.43	05:45	0.210	09:00	0.996	0.609	0.609	
7/9/2010	05:15	2.47	10:45	4.51	3.52	05:00	2.04	10:00	4.35	3.49	05:00	0.216	10:45	0.998	0.617	0.617	0.09
7/10/2010	06:45	2.22	10:30	4.60	3.50	05:45	2.17	11:30	4.73	3.42	06:45	0.211	11:30	1.087	0.606	0.606	
7/11/2010	05:15	2.26	11:15	4.81	3.55	05:30	2.06	21:15	4.44	3.47	05:30	0.200	12:00	1.045	0.635	0.635	
7/12/2010	05:15	2.22	09:00	4.62	3.49	05:00	2.17	22:15	4.57	3.50	05:15	0.192	09:00	0.989	0.616	0.616	0.01
7/13/2010	05:15	2.32	20:30	4.59	3.52	05:45	1.97	09:00	4.35	3.40	06:00	0.191	21:30	1.023	0.611	0.611	0.70
7/14/2010	05:30	2.27	09:15	4.66	3.54	04:00	2.13	12:15	4.48	3.50	05:15	0.205	09:15	1.098	0.634	0.634	0.36
7/15/2010	04:30	2.43	09:45	4.57	3.56	06:00	2.17	11:00	4.41	3.39	05:15	0.226	09:45	1.061	0.611	0.611	
7/16/2010	05:00	2.37	11:15	4.23	3.56	04:15	1.95	09:00	4.41	3.35	05:00	0.202	09:15	0.966	0.605	0.605	
7/17/2010	06:00	2.41	11:15	4.65	3.62	06:00	2.10	15:15	4.30	3.40	06:00	0.207	13:00	1.045	0.633	0.633	
7/18/2010	07:00	2.36	12:00	4.83	3.61	06:45	2.17	14:15	4.42	3.40	05:15	0.227	12:00	1.136	0.638	0.638	
7/19/2010	05:00	2.32	09:00	4.32	3.60	05:00	2.10	09:30	4.34	3.35	05:00	0.195	09:00	0.954	0.616	0.616	0.41
7/20/2010	06:00	2.36	09:00	4.27	3.60	05:30	2.20	08:45	4.35	3.25	06:00	0.211	08:45	0.943	0.594	0.594	
7/21/2010	05:30	2.43	22:00	5.23	3.76	03:15	2.20	19:15	4.51	3.41	05:30	0.230	21:30	1.280	0.677	0.677	1.20
7/22/2010	04:15	2.57	09:30	4.69	3.67	06:00	2.31	11:15	4.42	3.41	06:00	0.251	09:30	1.063	0.639	0.639	
7/23/2010	04:15	2.48	09:45	4.31	3.69	04:45	2.13	10:45	4.26	3.28	04:45	0.228	09:45	0.952	0.622	0.622	0.15
7/24/2010	05:45	2.35	11:45	4.88	3.71	05:30	2.03	13:15	4.41	3.31	05:45	0.196	11:45	1.127	0.642	0.642	0.01
7/25/2010	06:00	2.59	11:45	4.77	3.84	05:30	2.20	13:45	4.41	3.58	06:00	0.246	12:00	1.111	0.720	0.720	0.67
7/26/2010	06:15	2.57	08:15	4.53	3.74	03:30	2.20	10:15	4.32	3.31	06:15	0.243	21:30	1.006	0.641	0.641	
7/27/2010	04:30	2.49	09:15	4.62	3.70	06:45	2.19	09:15	4.46	3.27	05:00	0.239	09:15	1.127	0.622	0.622	
7/28/2010	06:00	2.38	23:00	4.38	3.63	06:30	2.20	09:45	4.35	3.25	06:30	0.215	09:30	0.946	0.603	0.603	
7/29/2010	05:30	2.39	08:45	4.34	3.57	04:30	2.24	09:30	4.23	3.25	05:30	0.239	09:00	0.943	0.590	0.590	0.14
7/30/2010	05:00	2.26	10:15	4.46	3.54	05:30	2.03	09:15	4.28	3.25	05:00	0.198	09:30	0.991	0.583	0.583	
7/31/2010	05:45	2.35	12:15	4.55	3.60	06:30	1.95	12:45	4.49	3.22	06:30	0.197	12:30	1.030	0.598	0.598	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			19.413	3.74
Report Avg	3.60	3.39	0.626	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	06:00	2.36	11:45	4.78	3.61	08:00	2.20	11:30	4.64	3.28	06:00	0.212	11:45	1.130	0.614	0.614	
8/2/2010	05:30	2.31	20:45	4.35	3.62	05:30	2.13	21:15	4.23	3.22	05:30	0.197	21:15	0.951	0.598	0.598	
8/3/2010	05:15	2.38	08:30	4.30	3.57	05:45	2.22	10:00	4.33	3.30	06:30	0.223	09:30	0.887	0.595	0.595	
8/4/2010	05:00	2.16	08:45	4.31	3.59	05:30	2.08	09:30	4.05	3.19	05:00	0.191	09:30	0.870	0.582	0.582	
8/5/2010	06:00	2.21	08:45	4.38	3.56	06:00	2.06	10:00	4.05	3.14	06:00	0.179	10:00	0.865	0.568	0.568	
8/6/2010	05:00	2.25	09:00	4.41	3.57	05:00	2.17	09:30	3.80	3.13	05:00	0.194	09:30	0.884	0.566	0.566	
8/7/2010	05:45	2.29	11:30	4.85	3.61	06:15	2.23	12:00	4.42	3.22	06:15	0.205	11:30	1.169	0.597	0.597	
8/8/2010	06:30	2.19	10:45	4.55	3.63	05:00	2.27	12:45	4.33	3.17	06:30	0.208	12:45	1.061	0.595	0.595	
8/9/2010	05:30	2.26	09:45	4.53	3.65	05:45	2.13	23:00	3.70	3.09	05:15	0.202	09:45	0.873	0.576	0.576	
8/10/2010	05:45	2.32	11:00	4.48	3.61	05:30	2.13	21:15	3.70	3.10	05:45	0.215	09:00	0.840	0.568	0.568	
8/11/2010	05:45	2.32	09:15	4.71	3.63	05:45	2.20	08:45	3.62	3.09	05:45	0.205	09:15	0.924	0.575	0.575	0.03
8/12/2010	05:45	2.44	09:15	4.88	3.70	06:00	2.24	12:15	3.62	3.10	06:00	0.240	09:15	0.906	0.586	0.586	
8/13/2010	06:00	2.27	09:15	4.87	3.67	05:15	2.20	20:15	3.62	3.05	05:15	0.205	09:15	0.886	0.576	0.576	
8/14/2010	05:45	2.29	10:45	4.83	3.68	03:15	2.31	10:45	3.80	3.07	06:15	0.223	10:45	1.022	0.585	0.585	
8/15/2010	06:15	2.24	12:45	4.86	3.74	07:00	2.13	12:45	3.80	3.11	06:15	0.198	12:45	1.032	0.614	0.614	0.61
8/16/2010	05:45	2.62	09:15	4.55	3.83	05:15	2.27	11:15	3.73	3.16	05:15	0.257	08:45	0.872	0.626	0.626	0.42
8/17/2010	05:30	2.36	09:00	4.51	3.72	04:45	2.10	09:45	3.59	3.06	05:30	0.211	09:00	0.871	0.589	0.589	
8/18/2010	06:00	2.38	09:30	4.61	3.72	06:00	2.10	14:15	3.70	3.05	06:00	0.203	10:00	0.913	0.586	0.586	
8/19/2010	06:00	2.37	09:45	4.73	3.77	06:15	2.16	13:00	3.64	3.07	06:00	0.208	10:00	0.928	0.601	0.601	
8/20/2010	04:45	2.33	09:45	4.85	3.74	05:00	2.06	09:45	3.74	3.09	05:00	0.194	09:45	1.011	0.601	0.601	
8/21/2010	06:15	2.24	10:45	5.06	3.82	05:30	2.03	10:45	3.87	3.08	06:15	0.189	10:45	1.114	0.625	0.625	
8/22/2010	05:45	2.19	21:00	7.91	4.52	05:45	1.99	21:30	6.66	3.76	05:45	0.171	21:30	3.039	1.085	1.085	3.59
8/23/2010	04:45	3.71	00:15	5.20	4.38	04:45	3.30	10:45	4.60	4.01	04:45	0.609	09:30	1.340	0.942	0.942	0.35
8/24/2010	06:15	2.91	21:45	4.73	4.04	06:30	2.63	11:15	4.51	3.41	06:15	0.359	11:15	1.101	0.726	0.726	0.12
8/25/2010	04:45	3.04	08:30	4.93	4.30	06:30	2.59	09:00	4.09	3.39	05:45	0.383	09:00	1.107	0.790	0.790	0.19
8/26/2010	05:00	3.00	09:00	5.02	4.17	03:30	2.59	10:45	4.05	3.33	05:00	0.352	08:45	1.110	0.745	0.745	0.05
8/27/2010	04:45	2.81	09:15	4.98	4.04	05:45	2.38	10:45	3.87	3.27	05:45	0.308	10:45	1.059	0.699	0.699	
8/28/2010	05:45	2.81	11:00	5.45	4.07	06:00	2.45	11:45	4.16	3.31	05:45	0.306	11:45	1.261	0.726	0.726	
8/29/2010	07:00	2.57	12:00	5.40	3.98	05:00	2.31	10:45	4.01	3.29	05:30	0.255	12:00	1.209	0.702	0.702	
8/30/2010	05:45	2.61	13:15	4.81	3.91	04:45	2.37	11:00	3.87	3.29	06:15	0.284	09:00	0.986	0.676	0.676	
8/31/2010	05:15	2.66	09:00	4.65	3.85	04:30	2.42	10:30	3.84	3.27	05:15	0.283	10:30	0.969	0.657	0.657	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			20.167	5.36
Report Avg	3.82	3.23	0.651	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH593, Pipe Height: 21"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	06:15	2.89	21:30	4.66	3.84	04:45	2.10	10:00	3.91	3.21	04:45	0.252	10:00	0.953	0.647	0.647	
9/2/2010	05:30	2.49	09:30	4.70	3.80	05:30	2.17	08:45	3.87	3.21	05:30	0.225	09:30	1.002	0.638	0.638	
9/3/2010	05:30	2.52	09:15	4.78	3.83	06:30	2.27	10:30	3.94	3.23	05:30	0.243	09:30	0.996	0.646	0.646	
9/4/2010	05:15	2.49	12:30	5.09	3.82	05:15	2.31	13:00	3.95	3.17	05:15	0.240	12:00	1.085	0.641	0.641	
9/5/2010	06:15	2.32	11:45	5.08	3.78	05:45	2.03	11:45	4.01	3.11	05:45	0.196	11:45	1.162	0.622	0.622	
9/6/2010	05:15	2.41	11:15	5.37	3.96	05:45	2.03	12:30	4.12	3.15	05:45	0.204	12:30	1.228	0.681	0.681	
9/7/2010	06:00	2.49	09:15	4.94	3.81	05:00	2.20	21:30	3.89	3.11	05:30	0.232	09:00	1.030	0.619	0.619	
9/8/2010	05:30	2.30	08:45	4.80	3.74	06:15	2.10	09:00	3.80	3.13	05:30	0.193	09:00	0.957	0.608	0.608	0.02
9/9/2010	05:00	2.31	10:15	4.65	3.68	05:15	2.03	10:30	3.84	3.19	05:15	0.197	10:30	0.977	0.607	0.607	
9/10/2010	04:45	2.32	09:15	4.60	3.61	05:15	2.03	16:00	3.78	3.17	05:15	0.206	09:15	0.946	0.583	0.583	
9/11/2010	07:00	2.35	11:30	4.72	3.64	06:00	2.10	11:45	4.51	3.26	06:00	0.205	11:30	1.170	0.619	0.619	
9/12/2010	05:45	2.19	11:15	4.77	3.70	03:45	2.03	11:30	4.73	3.26	05:45	0.179	11:30	1.164	0.641	0.641	
9/13/2010	05:30	2.08	16:30	4.65	3.73	03:45	2.10	08:30	4.30	3.20	05:30	0.167	08:30	1.052	0.632	0.632	
9/14/2010	04:30	2.28	08:45	4.74	3.69	04:00	2.03	08:45	4.30	3.20	04:15	0.206	08:45	1.126	0.615	0.615	0.01
9/15/2010	04:45	2.22	08:15	4.98	3.68	05:00	2.06	08:45	4.32	3.15	05:00	0.186	08:45	1.154	0.606	0.606	
9/16/2010	04:45	2.40	08:45	5.01	3.71	03:15	2.17	08:30	3.91	3.10	04:45	0.213	08:45	1.096	0.598	0.598	0.16
9/17/2010	04:30	2.20	08:30	5.03	3.69	04:45	2.06	08:45	3.77	3.06	04:30	0.193	08:45	1.053	0.586	0.586	0.06
9/18/2010	06:15	2.14	10:45	5.07	3.77	05:15	1.88	13:30	4.19	3.11	06:15	0.160	13:30	1.162	0.633	0.633	
9/19/2010	06:30	2.15	11:30	4.98	3.80	05:45	1.92	12:15	4.09	3.12	06:30	0.178	12:15	1.117	0.640	0.640	
9/20/2010	05:00	2.09	08:15	5.07	3.26	05:45	1.76	09:30	3.70	2.74	05:45	0.154	08:15	1.056	0.461	0.187	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			12.050	0.25
Report Avg	3.74	3.16	0.621	

Site Commentary

Site Information

MH639	
Pipe Dimensions (in.)	Circular (13.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH639 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	4.39	1.76	0.329
Minimum	2.29	0.30	0.060
Maximum	35.64	3.20	1.520
Time of Minimum	7/19/2010 3:15 AM	6/20/2010 8:30 AM	7/19/2010 3:15 AM
Time of Maximum	6/20/2010 12:30 PM	3/31/2010 2:30 AM	3/30/2010 1:30 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

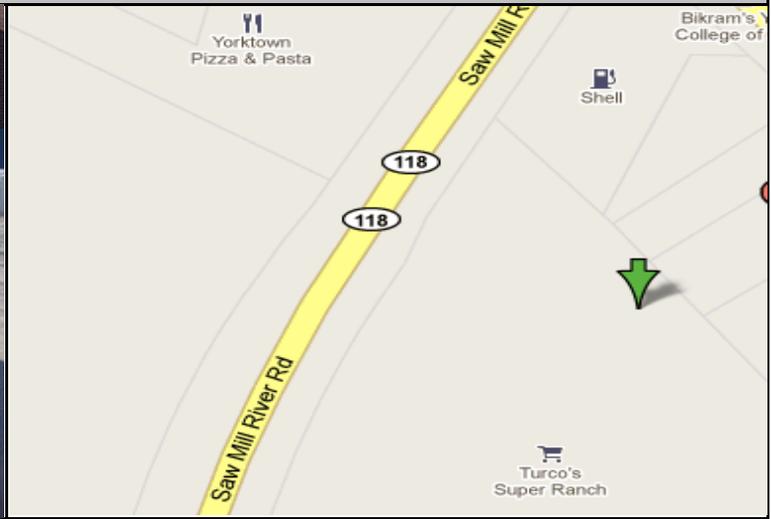
Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	92.79
Velocity (ft/s)	92.79
Quantity (MGD)	92.79

a division of ADS LLC.

Site Name:	YORKTOWN_MH-639	Meter Type:	4000 WR	Monitor S/N:	1544	Manhole #:	639
Address / Location:	TURLOS MARKET (IN BACK)			Map Page #:			
				Pipe Height:	13 Inches		
Access:	DRIVE	Type of System:	SANITARY	Pipe Width:	13 Inches		
				Phone Number:	166.213.6.114		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 17, 2010	9:39 AM	Manhole Depth:	11 Feet	4 Inches
Site Hydraulics:	Smooth flow with decent velocity. Side connection impacts flow slightly		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	RCP	LINED
Downstream Manhole:			Mini System Character:	COMMERCIAL	
Depth of Flow (Wet Dof):	6.75 +/- 0.5		Access Pole #:	N/A	
Range (Air Dof):	4.75 +/- 0.5		Distance From Manhole:	N/A Feet	
Peak Velocity:	3.42 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 16' 32.5" W 73° 46' 58.5"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:

PRESS SN 79682 ULTRA PO 1.50

SCATTERGRAPH REPORT

MH639

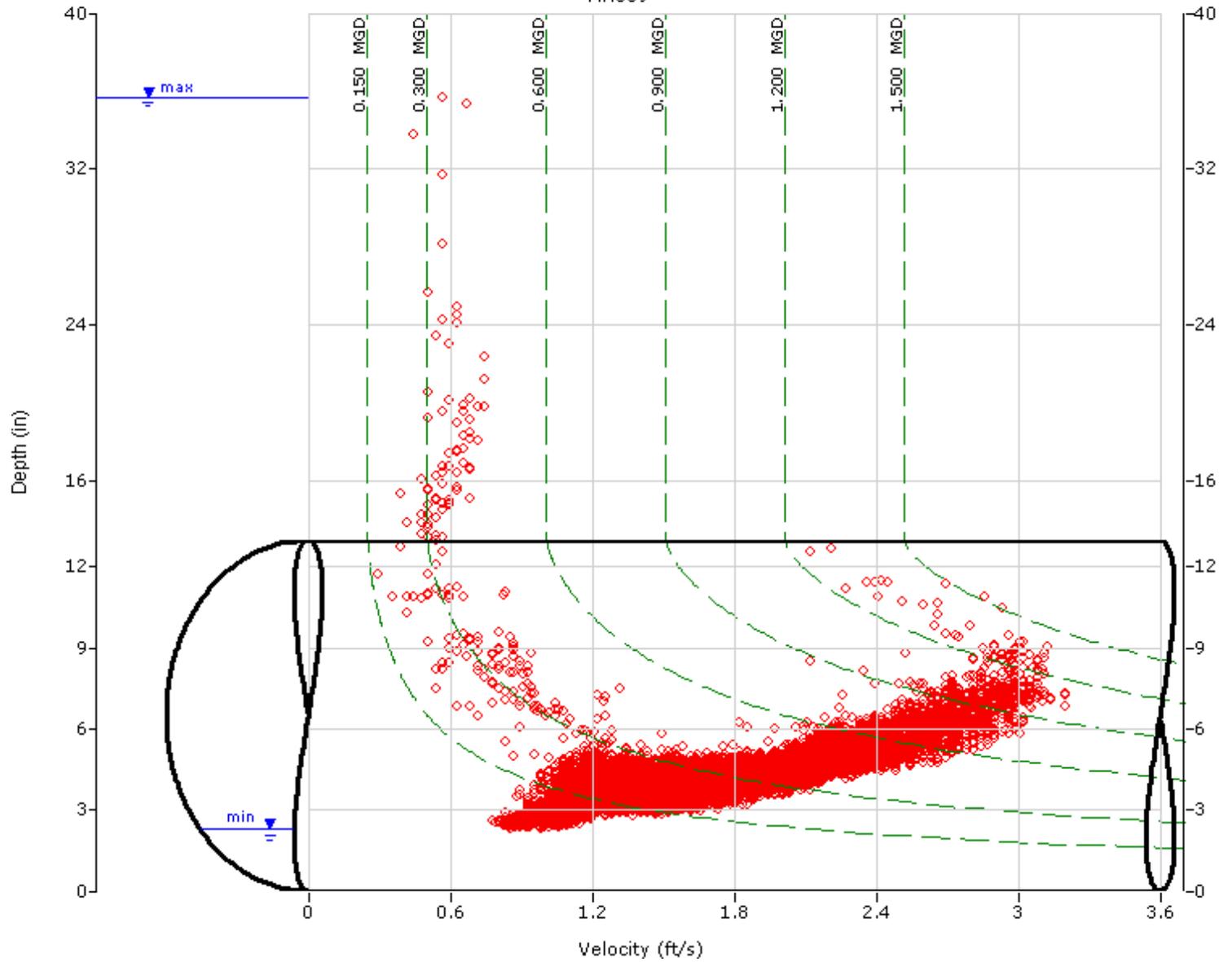
Flow Monitor
MH639

Nominal Diameter
12-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH639

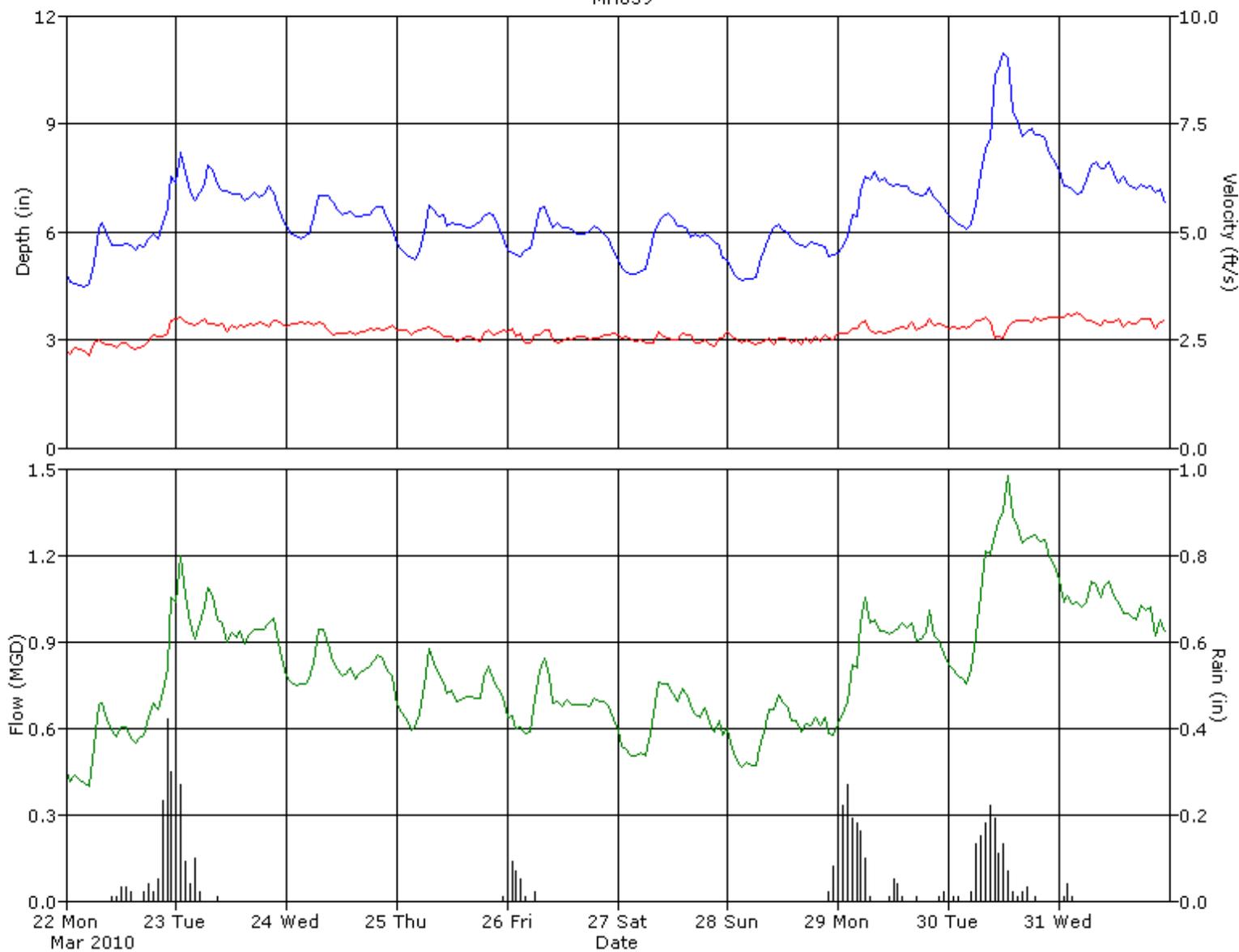
Flow Monitor
MH639

Nominal Diameter
12-in

Report Period
3/22/2010
To
3/31/2010

Legend

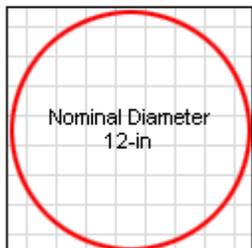
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH639

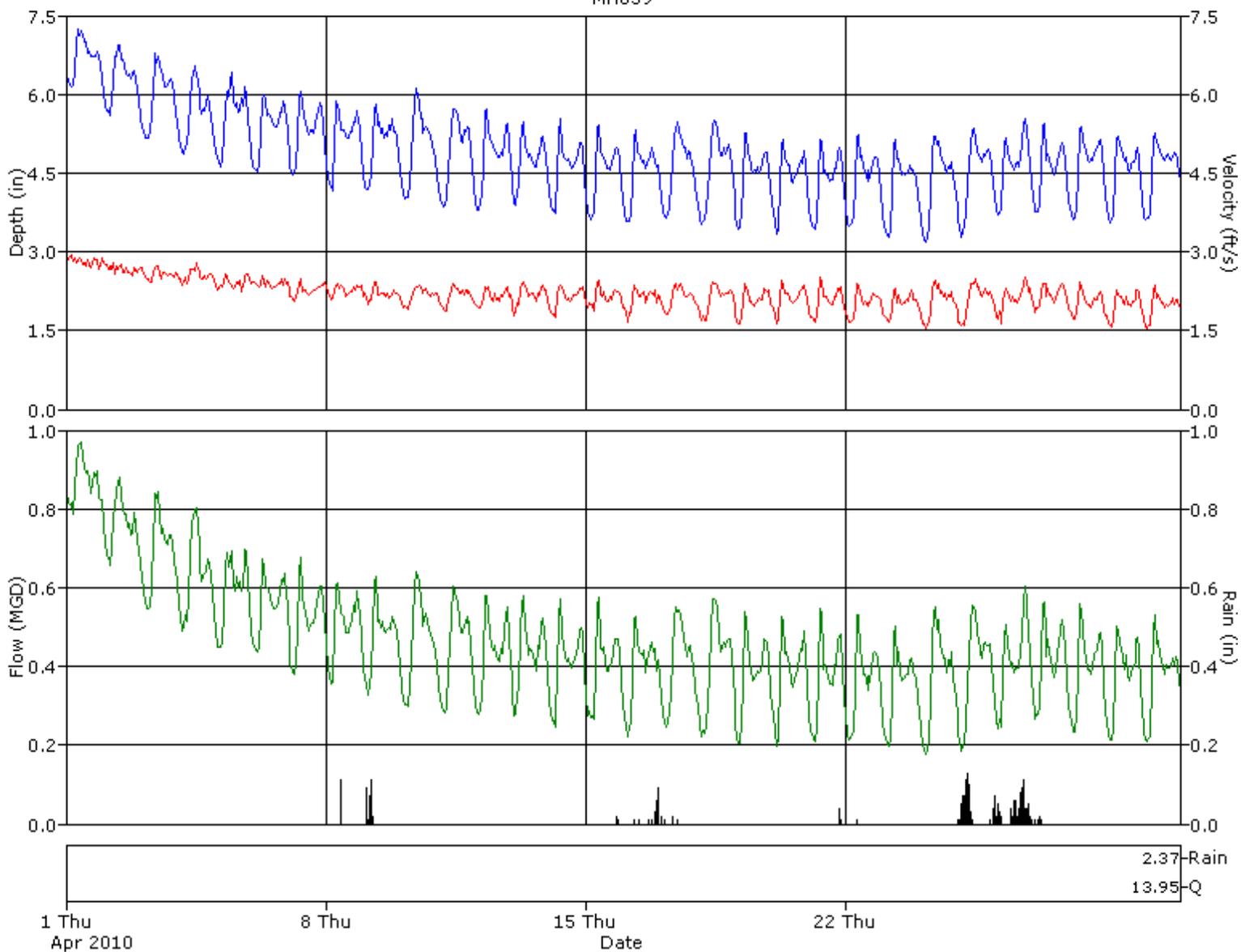
Flow Monitor
MH639



Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH639

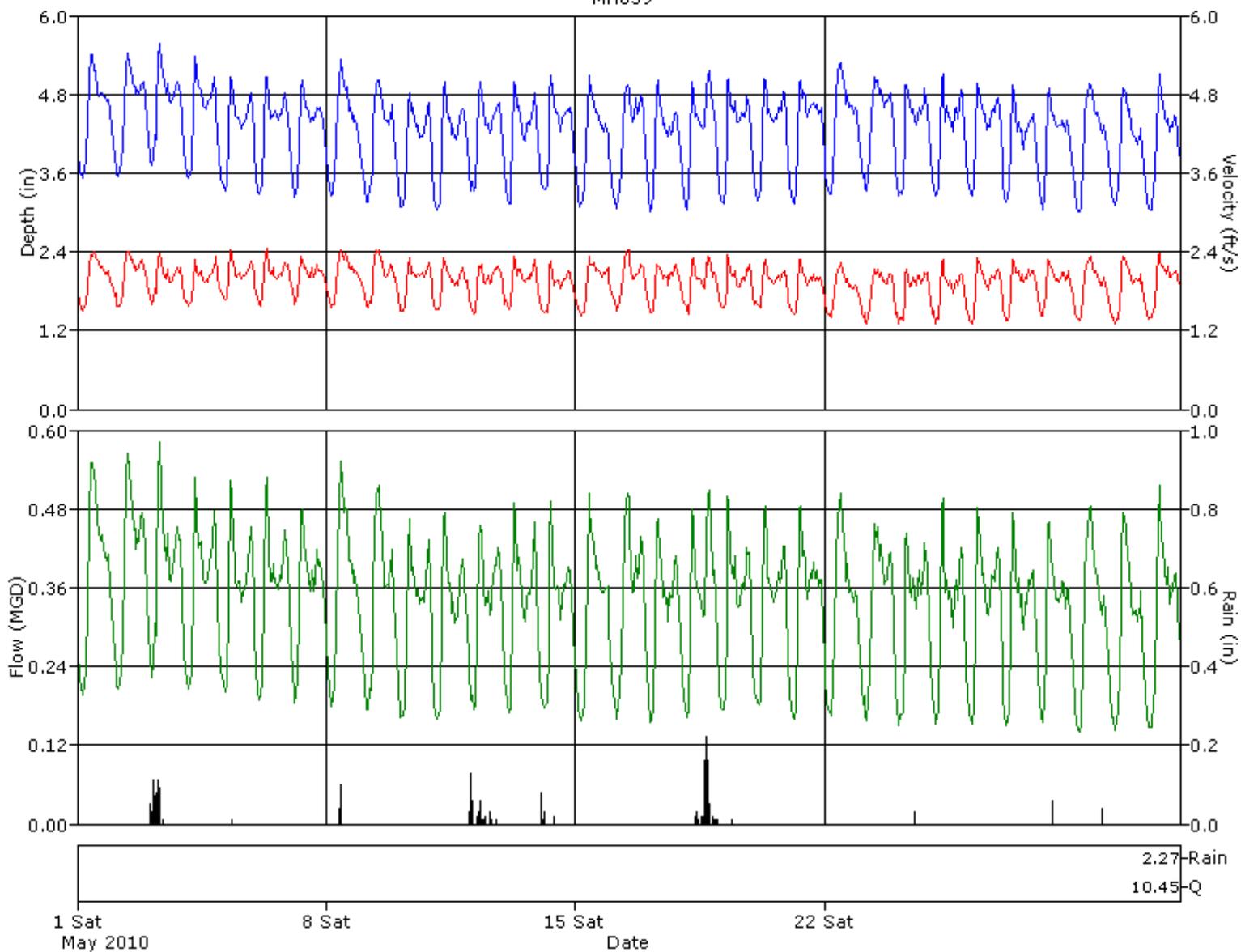
Flow Monitor
MH639

Nominal Diameter
12-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH639

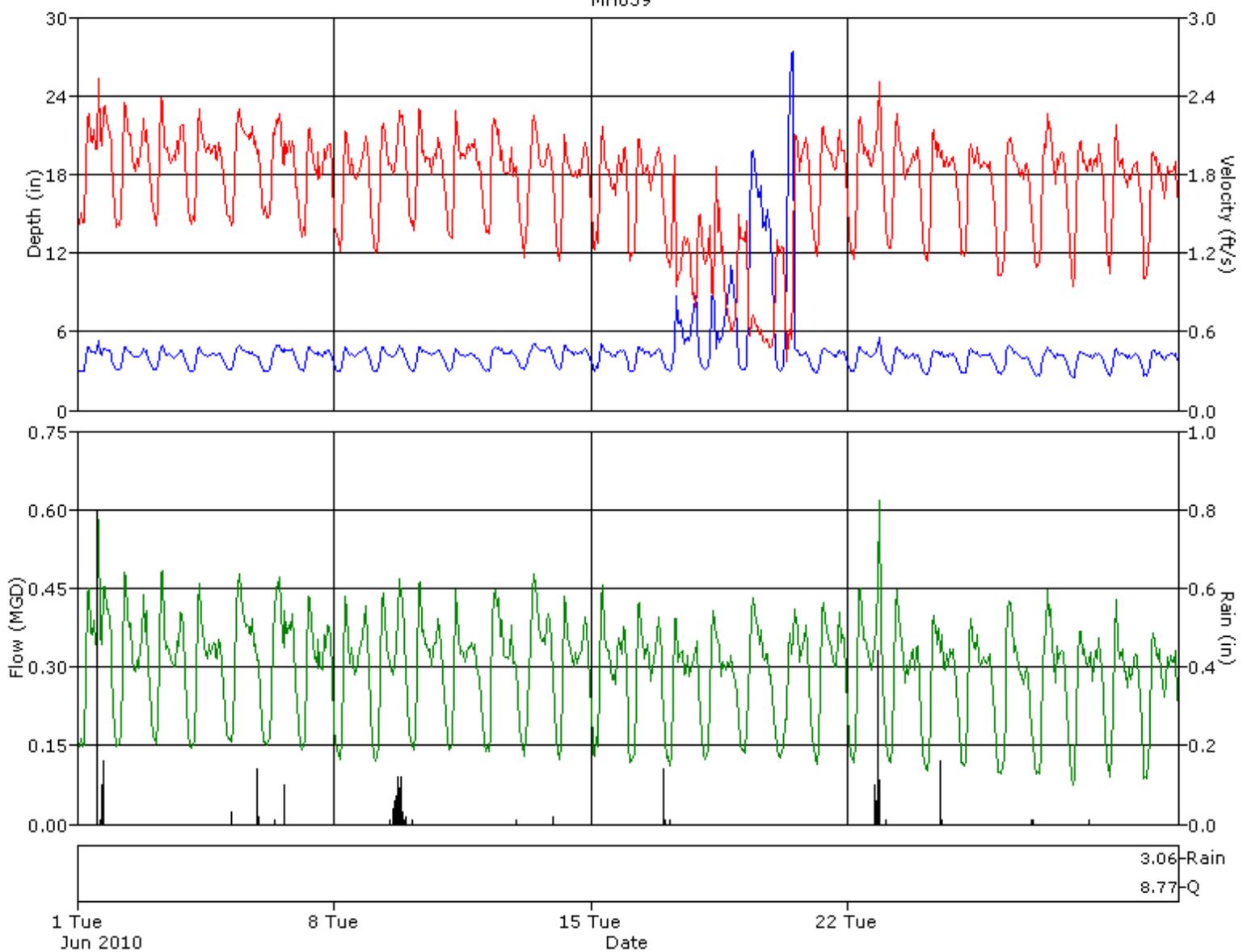
Flow Monitor
MH639

Nominal Diameter
12-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

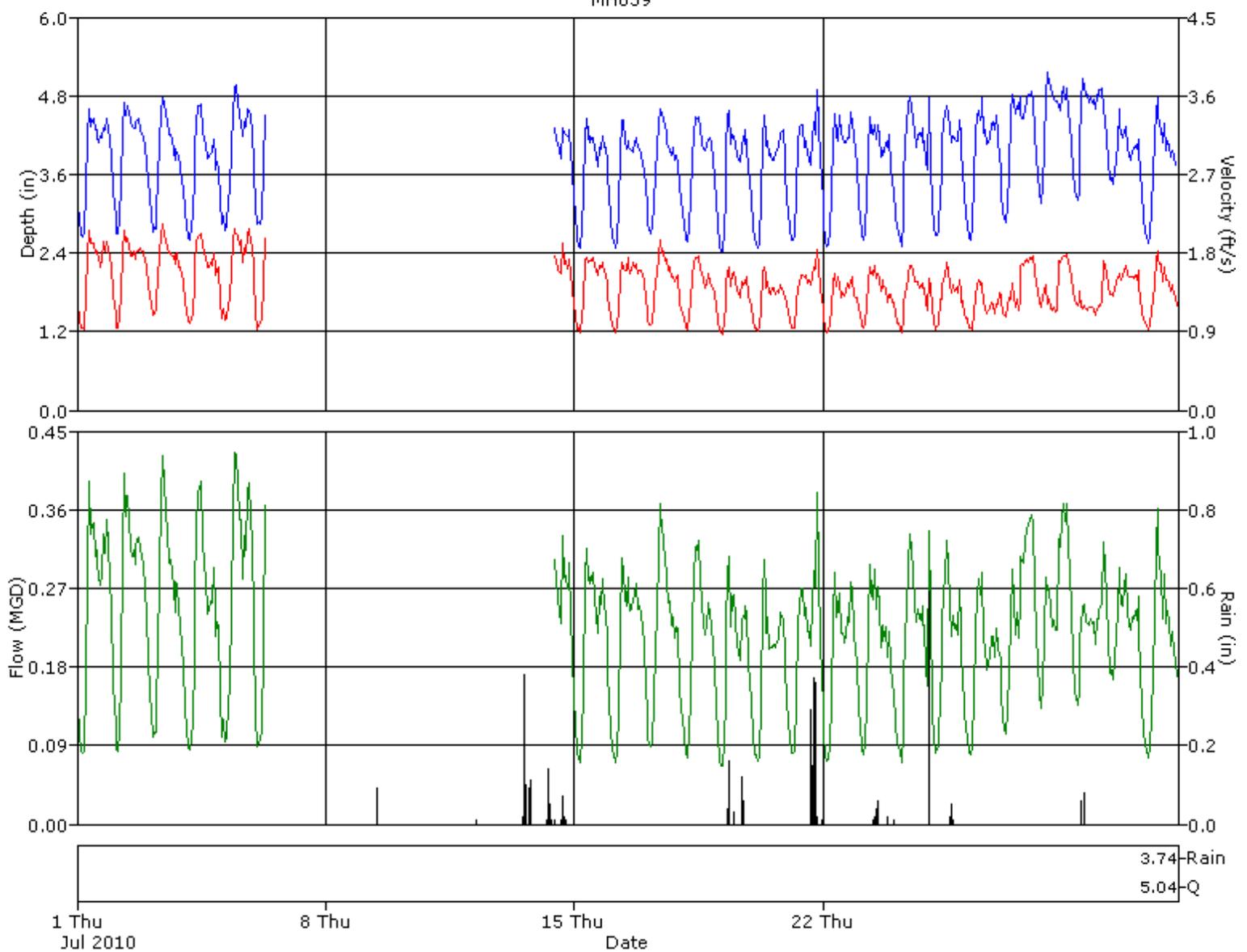
MH639

Flow Monitor
MH639

Nominal Diameter
12-in

Report Period
7/1/2010
To
7/31/2010

Legend
— Depth
— Velocity
— Quantity
— Rain



HYDROGRAPH REPORT

MH639

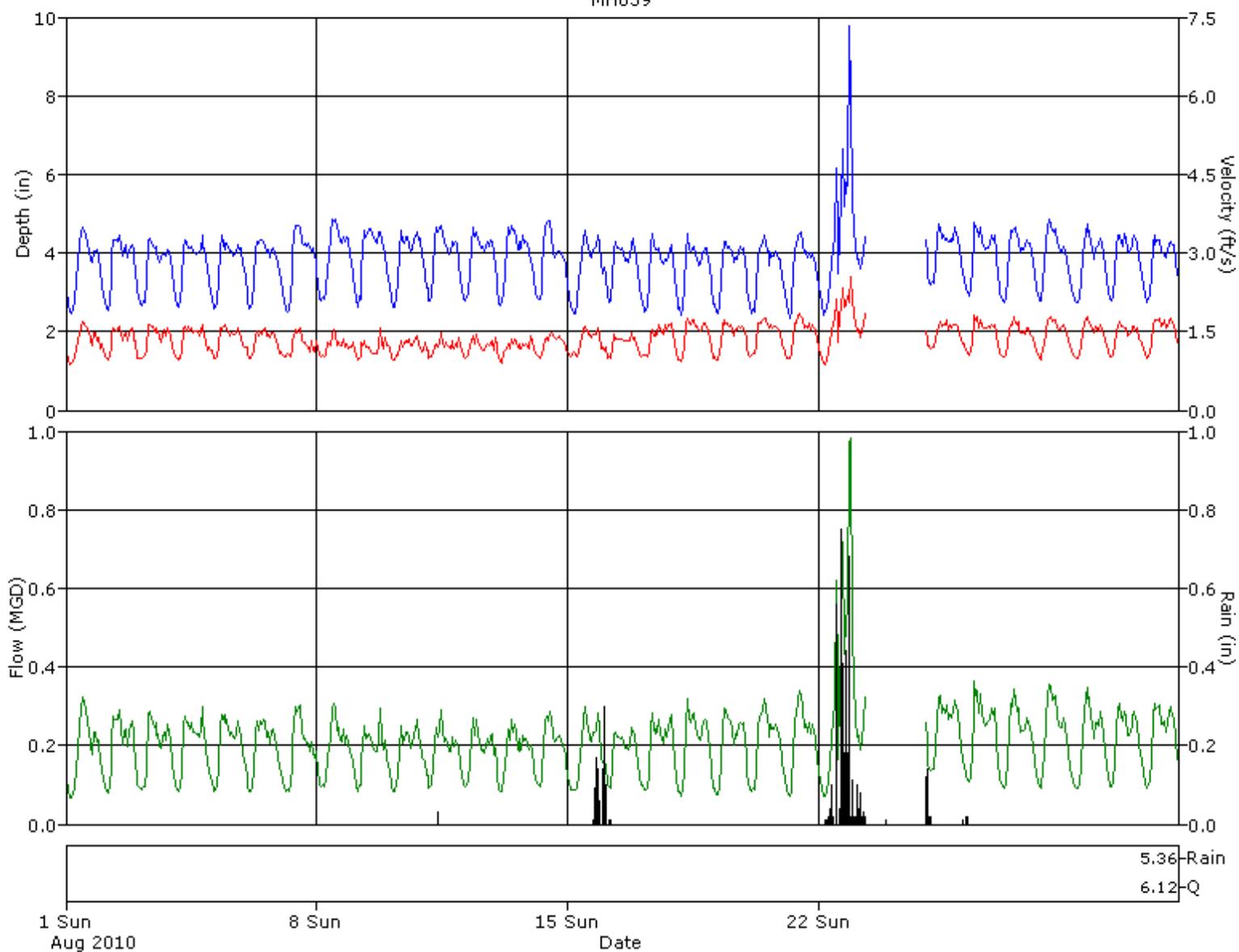
Flow Monitor
MH639

Nominal Diameter
12-in

Report Period
8/1/2010
To
8/31/2010

Legend

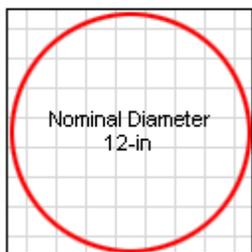
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH639

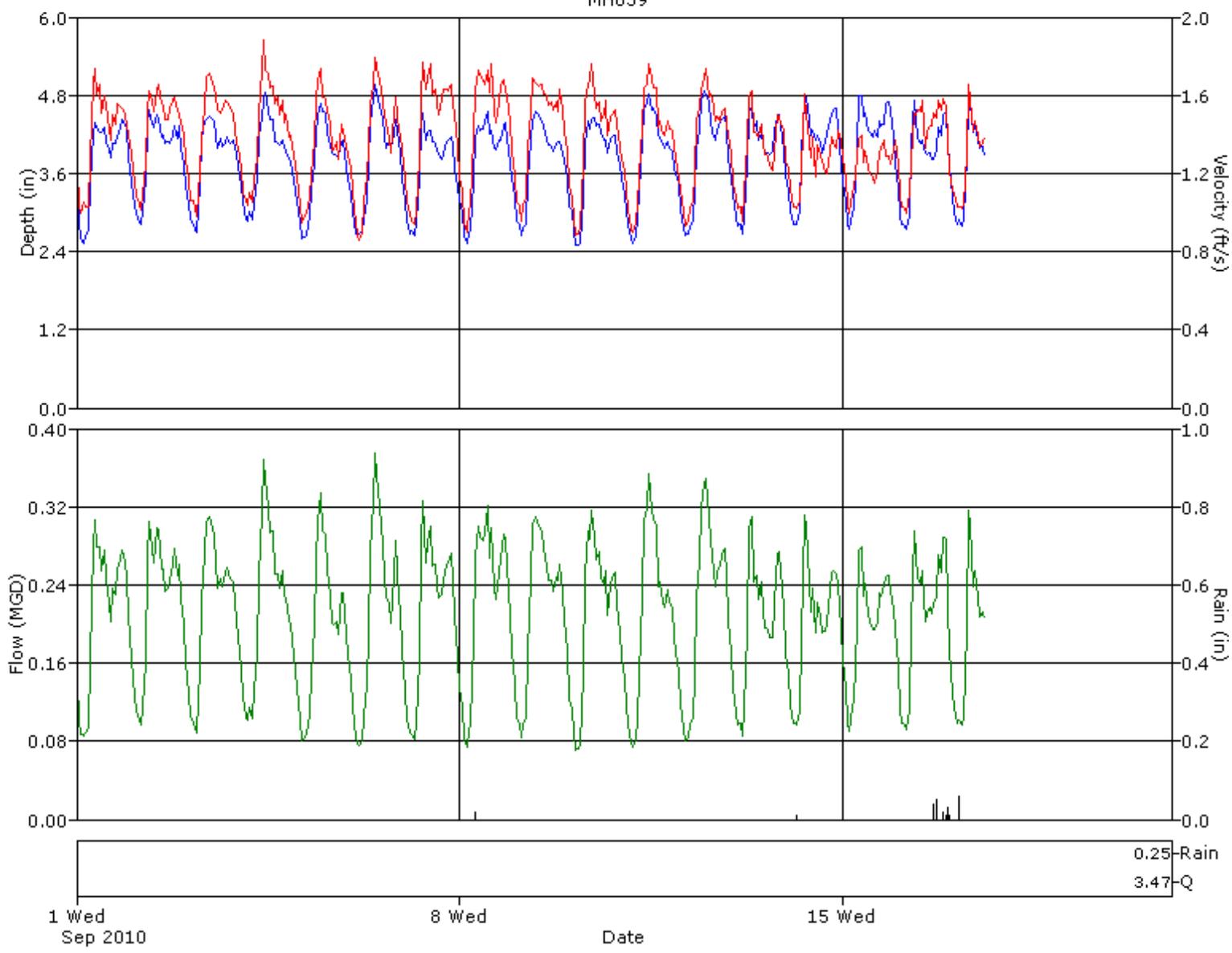
Flow Monitor
MH639



Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:15	4.42	23:30	7.71	5.57	01:45	2.03	23:15	2.99	2.40	01:45	0.375	23:30	1.101	0.593	0.593	1.18
3/23/2010	23:45	6.27	01:30	8.49	7.17	11:30	2.60	21:45	3.11	2.87	23:45	0.809	01:30	1.270	0.969	0.969	0.83
3/24/2010	03:45	5.74	09:00	7.23	6.43	13:00	2.51	03:30	3.01	2.76	02:45	0.725	08:45	0.984	0.811	0.811	
3/25/2010	04:45	5.16	07:45	6.95	6.06	17:30	2.33	06:30	2.90	2.64	04:45	0.573	07:45	0.941	0.720	0.720	0.01
3/26/2010	00:30	5.20	07:15	6.88	5.92	02:15	2.33	02:30	2.87	2.57	02:15	0.550	08:15	0.883	0.679	0.679	0.26
3/27/2010	04:15	4.70	11:15	6.70	5.66	21:15	2.24	00:45	2.78	2.51	04:15	0.459	11:15	0.815	0.628	0.628	
3/28/2010	03:45	4.55	11:30	6.37	5.43	05:30	2.21	00:45	2.72	2.49	05:30	0.423	11:30	0.730	0.588	0.588	0.10
3/29/2010	00:15	5.31	10:00	7.74	6.94	01:45	2.48	06:00	3.08	2.77	00:15	0.575	06:00	1.092	0.896	0.896	1.51
3/30/2010	04:15	5.99	12:30	11.50	8.25	10:45	2.27	19:15	3.13	2.86	03:30	0.741	13:30	1.520	1.128	1.128	1.34
3/31/2010	23:30	6.69	08:30	8.16	7.38	09:15	2.69	02:30	3.20	2.95	23:30	0.887	07:30	1.199	1.029	1.029	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			8.041	5.29
Report Avg	6.48	2.68	0.804	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	04:00	5.98	10:45	7.44	6.69	16:30	2.57	01:30	3.02	2.82	02:45	0.759	09:30	0.993	0.872	0.872	
4/2/2010	05:15	5.48	11:30	7.20	6.27	14:00	2.45	00:45	2.90	2.67	03:30	0.626	11:30	0.942	0.759	0.759	
4/3/2010	04:45	5.07	10:15	6.90	5.98	06:30	2.26	09:15	2.87	2.58	05:00	0.510	10:30	0.887	0.694	0.694	
4/4/2010	04:00	4.75	11:15	6.80	5.67	03:30	2.21	12:00	2.84	2.55	03:30	0.454	12:15	0.840	0.639	0.639	
4/5/2010	02:15	4.50	11:15	6.46	5.58	05:30	2.15	07:30	2.66	2.41	02:15	0.416	11:45	0.716	0.591	0.591	
4/6/2010	04:30	4.46	08:45	6.21	5.36	06:15	2.15	07:30	2.66	2.40	04:00	0.408	07:30	0.730	0.556	0.556	
4/7/2010	04:00	4.39	08:00	6.19	5.28	04:30	2.00	08:00	2.54	2.26	04:30	0.365	08:00	0.712	0.517	0.517	
4/8/2010	04:45	4.12	07:45	6.09	5.13	03:00	2.03	08:00	2.51	2.27	04:15	0.331	07:45	0.665	0.497	0.497	0.11
4/9/2010	04:00	4.07	08:00	5.99	5.08	03:45	1.94	08:00	2.53	2.20	04:00	0.315	08:00	0.678	0.477	0.477	0.30
4/10/2010	03:45	3.80	10:30	6.21	5.04	04:45	1.83	11:15	2.48	2.17	05:00	0.278	11:15	0.679	0.469	0.469	
4/11/2010	06:00	3.81	10:00	5.88	4.91	05:45	1.80	10:00	2.49	2.17	06:00	0.266	10:00	0.651	0.452	0.452	
4/12/2010	02:00	3.75	08:00	6.07	4.80	04:45	1.77	21:00	2.51	2.14	02:00	0.256	07:45	0.629	0.432	0.432	
4/13/2010	03:45	3.83	07:45	5.60	4.73	02:00	1.74	08:30	2.48	2.17	02:30	0.265	08:30	0.608	0.430	0.430	
4/14/2010	04:45	3.63	08:15	5.84	4.59	04:15	1.68	07:45	2.49	2.12	04:15	0.232	08:15	0.645	0.404	0.404	
4/15/2010	03:45	3.56	08:45	5.57	4.55	05:15	1.72	08:30	2.60	2.15	05:00	0.242	08:30	0.597	0.404	0.404	0.03
4/16/2010	04:30	3.44	08:00	5.53	4.51	03:15	1.60	08:30	2.48	2.10	03:00	0.209	07:30	0.584	0.392	0.392	0.22
4/17/2010	04:45	3.59	11:30	5.61	4.61	04:30	1.65	13:00	2.48	2.13	04:30	0.222	12:00	0.596	0.410	0.410	0.06
4/18/2010	03:45	3.44	12:00	5.82	4.58	06:15	1.59	13:00	2.48	2.11	03:45	0.204	12:00	0.626	0.404	0.404	
4/19/2010	03:00	3.39	07:45	5.49	4.43	03:15	1.56	07:30	2.45	2.04	04:45	0.197	08:00	0.580	0.374	0.374	
4/20/2010	03:15	3.29	07:45	5.24	4.36	04:15	1.53	21:00	2.51	2.09	04:15	0.187	07:30	0.562	0.374	0.374	
4/21/2010	03:45	3.38	07:45	5.32	4.36	04:45	1.59	08:30	2.63	2.07	04:45	0.196	08:30	0.603	0.370	0.370	0.05
4/22/2010	01:15	3.43	08:00	5.36	4.38	02:45	1.62	07:45	2.51	2.02	03:00	0.203	08:00	0.569	0.363	0.363	0.01
4/23/2010	04:45	3.11	08:15	5.27	4.28	04:15	1.62	08:00	2.41	2.01	04:30	0.191	08:00	0.531	0.350	0.350	
4/24/2010	04:00	3.15	12:45	5.38	4.32	04:45	1.50	10:00	2.57	2.05	04:45	0.167	10:00	0.580	0.366	0.366	
4/25/2010	03:30	3.23	11:15	5.48	4.47	04:00	1.50	11:45	2.64	2.09	03:15	0.177	11:45	0.612	0.390	0.390	0.65
4/26/2010	03:30	3.63	20:15	5.67	4.63	02:30	1.59	20:00	2.58	2.10	05:00	0.217	20:15	0.620	0.408	0.408	0.88
4/27/2010	03:45	3.70	07:45	5.65	4.59	04:30	1.80	20:30	2.54	2.18	04:30	0.254	07:45	0.609	0.415	0.415	0.06
4/28/2010	03:00	3.58	07:30	5.57	4.63	04:45	1.65	07:45	2.54	2.04	03:00	0.223	07:45	0.614	0.393	0.393	
4/29/2010	03:30	3.47	08:00	5.36	4.52	05:00	1.50	07:45	2.42	2.00	03:30	0.195	07:30	0.550	0.376	0.376	
4/30/2010	03:15	3.45	07:15	5.32	4.56	03:15	1.47	08:00	2.48	1.96	03:15	0.186	08:00	0.563	0.373	0.373	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			13.948	2.37
Report Avg	4.90	2.20	0.465	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	04:15	3.45	10:15	5.54	4.53	04:15	1.47	11:15	2.48	2.01	04:15	0.186	09:30	0.580	0.382	0.382	
5/2/2010	04:15	3.45	10:15	5.44	4.55	03:45	1.50	09:30	2.54	2.03	04:15	0.189	09:30	0.580	0.388	0.388	
5/3/2010	01:30	3.63	08:00	5.66	4.68	02:45	1.53	08:45	2.43	2.00	02:15	0.214	08:45	0.599	0.392	0.392	0.56
5/4/2010	02:15	3.43	08:30	5.57	4.53	03:15	1.50	22:30	2.50	1.98	03:15	0.190	08:30	0.569	0.372	0.372	
5/5/2010	04:30	3.31	08:15	5.28	4.28	03:45	1.62	07:15	2.57	2.03	04:30	0.197	07:30	0.561	0.353	0.353	0.01
5/6/2010	03:45	3.19	07:30	5.24	4.29	02:15	1.56	07:45	2.54	2.02	03:15	0.179	07:45	0.568	0.355	0.355	
5/7/2010	03:30	3.11	08:00	5.18	4.24	02:45	1.47	07:30	2.48	2.01	02:45	0.162	07:30	0.525	0.346	0.346	
5/8/2010	03:15	3.15	10:30	5.38	4.27	03:15	1.47	10:15	2.51	2.03	03:15	0.163	10:00	0.569	0.355	0.355	0.14
5/9/2010	03:30	3.04	12:00	5.21	4.18	03:45	1.47	10:45	2.60	2.03	03:30	0.162	10:45	0.572	0.346	0.346	
5/10/2010	03:30	3.03	08:30	4.91	4.10	02:15	1.38	08:00	2.36	1.96	02:15	0.150	08:00	0.485	0.324	0.324	
5/11/2010	05:00	2.92	08:15	5.08	4.09	04:00	1.47	07:45	2.36	1.92	05:00	0.147	08:15	0.504	0.317	0.317	
5/12/2010	02:00	3.18	08:00	5.05	4.20	04:15	1.35	09:00	2.36	1.92	04:15	0.160	08:00	0.499	0.327	0.327	0.46
5/13/2010	04:00	3.06	07:15	5.12	4.17	02:30	1.41	07:15	2.45	1.94	03:30	0.155	07:15	0.535	0.328	0.328	
5/14/2010	03:00	3.21	08:15	5.16	4.25	03:15	1.38	08:15	2.39	1.87	05:00	0.162	08:15	0.527	0.324	0.324	0.14
5/15/2010	04:00	3.01	09:15	5.18	4.15	04:00	1.35	09:15	2.39	1.95	04:00	0.141	09:15	0.530	0.329	0.329	
5/16/2010	04:00	2.99	10:00	5.05	4.19	04:30	1.41	12:30	2.57	2.00	04:30	0.149	12:30	0.535	0.342	0.342	
5/17/2010	03:45	2.93	08:00	5.14	4.09	04:15	1.35	20:30	2.42	1.94	03:30	0.141	08:00	0.498	0.319	0.319	
5/18/2010	03:15	3.00	17:15	5.37	4.26	04:30	1.38	07:30	2.48	1.95	04:30	0.146	17:15	0.569	0.343	0.343	0.81
5/19/2010	04:00	3.04	07:45	5.25	4.26	03:00	1.38	08:45	2.48	1.95	03:00	0.150	07:45	0.539	0.340	0.340	0.02
5/20/2010	03:45	3.13	08:00	5.28	4.27	04:30	1.44	07:45	2.36	1.93	04:45	0.160	08:00	0.531	0.336	0.336	
5/21/2010	04:30	3.07	07:45	5.41	4.30	04:00	1.32	07:30	2.36	1.89	04:00	0.145	07:45	0.547	0.334	0.334	
5/22/2010	04:00	3.17	11:30	5.41	4.37	04:30	1.32	11:30	2.36	1.84	05:30	0.153	11:30	0.555	0.332	0.332	
5/23/2010	05:00	3.26	10:15	5.18	4.36	05:30	1.25	10:15	2.21	1.82	05:00	0.147	10:15	0.491	0.328	0.328	
5/24/2010	04:30	3.20	09:00	5.13	4.29	02:45	1.23	08:00	2.33	1.83	05:00	0.141	08:00	0.507	0.323	0.323	0.03
5/25/2010	04:30	3.20	08:00	5.21	4.30	03:15	1.23	08:00	2.45	1.85	03:15	0.140	08:00	0.547	0.327	0.327	
5/26/2010	03:45	3.19	07:45	5.17	4.27	03:45	1.20	07:45	2.45	1.87	03:45	0.136	07:45	0.542	0.329	0.329	
5/27/2010	03:00	3.11	07:30	5.08	4.09	04:15	1.23	08:00	2.39	1.90	04:15	0.137	08:00	0.514	0.313	0.313	
5/28/2010	03:45	2.96	07:45	5.06	4.07	02:45	1.35	08:15	2.42	1.91	03:45	0.138	08:15	0.503	0.313	0.313	0.06
5/29/2010	03:00	2.89	12:00	5.21	4.09	04:15	1.29	11:15	2.39	1.87	03:00	0.130	12:00	0.521	0.312	0.312	0.04
5/30/2010	03:00	3.08	10:45	5.08	4.06	04:15	1.20	11:30	2.45	1.86	04:15	0.132	10:45	0.509	0.305	0.305	
5/31/2010	04:15	2.94	11:15	5.31	4.09	05:00	1.29	09:45	2.48	1.92	05:00	0.133	09:45	0.532	0.320	0.320	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			10.463	2.27
Report Avg	4.25	1.94	0.337	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	04:00	2.83	14:00	6.15	4.14	02:45	1.26	14:00	2.77	1.97	04:00	0.123	14:00	0.768	0.335	0.335	1.07
6/2/2010	03:30	2.91	08:00	5.09	4.07	03:30	1.29	07:45	2.45	1.91	03:30	0.128	08:00	0.518	0.314	0.314	
6/3/2010	03:45	2.93	08:00	4.99	4.07	04:30	1.35	07:00	2.48	1.93	03:45	0.138	08:30	0.522	0.316	0.316	
6/4/2010	03:45	2.81	07:30	4.92	4.00	05:00	1.32	08:15	2.42	1.89	03:00	0.133	08:15	0.475	0.302	0.302	
6/5/2010	03:15	3.00	10:30	5.13	4.11	05:15	1.26	10:15	2.42	1.93	05:15	0.133	10:30	0.511	0.323	0.323	0.19
6/6/2010	04:45	2.79	10:30	5.05	4.13	05:30	1.35	08:30	2.33	1.88	04:45	0.129	10:30	0.494	0.318	0.318	0.11
6/7/2010	04:15	2.95	07:45	4.96	4.11	05:00	1.17	08:00	2.33	1.81	04:00	0.122	08:00	0.480	0.300	0.300	
6/8/2010	03:45	2.89	07:15	5.00	4.10	04:30	1.17	07:15	2.21	1.76	03:45	0.118	07:15	0.467	0.294	0.294	
6/9/2010	03:45	2.91	19:45	5.11	4.08	03:00	1.11	19:45	2.42	1.85	03:00	0.111	19:45	0.526	0.308	0.308	0.57
6/10/2010	04:15	2.92	08:00	5.14	4.11	02:00	1.32	07:15	2.42	1.86	03:30	0.137	08:00	0.511	0.309	0.309	0.01
6/11/2010	03:45	2.97	08:30	4.85	4.00	03:45	1.23	07:45	2.42	1.87	03:45	0.126	07:45	0.478	0.298	0.298	
6/12/2010	03:30	2.88	14:00	5.08	4.08	03:30	1.23	11:15	2.30	1.81	03:30	0.120	10:30	0.468	0.300	0.300	0.01
6/13/2010	05:15	3.04	12:00	5.30	4.22	04:15	1.14	13:15	2.33	1.77	04:15	0.122	13:15	0.502	0.309	0.309	0.02
6/14/2010	04:00	2.98	07:15	5.09	4.17	02:30	1.11	07:15	2.27	1.72	04:00	0.114	07:15	0.491	0.293	0.293	
6/15/2010	03:30	2.95	07:45	5.25	4.14	03:45	1.14	08:30	2.24	1.72	03:45	0.116	08:00	0.475	0.291	0.291	
6/16/2010	03:00	2.87	07:45	5.24	4.11	03:00	1.05	07:45	2.30	1.71	03:00	0.102	07:45	0.517	0.286	0.286	
6/17/2010	04:00	2.94	20:00	9.40	5.54	20:00	0.72	06:45	2.00	1.21	04:00	0.103	08:00	0.466	0.275	0.275	0.16
6/18/2010	04:45	3.11	21:30	12.08	6.54	20:45	0.51	09:30	1.97	1.07	03:15	0.118	08:30	0.450	0.276	0.276	
6/19/2010	05:30	3.00	09:15	22.34	11.80	22:45	0.39	01:00	1.59	0.79	05:30	0.127	09:15	0.446	0.288	0.288	
6/20/2010	03:30	2.92	12:30	35.64	8.04	08:30	0.30	13:00	2.18	1.39	04:30	0.111	13:00	0.451	0.277	0.277	
6/21/2010	04:15	2.80	19:00	4.82	4.05	04:30	1.11	08:30	2.24	1.81	04:30	0.105	10:00	0.446	0.297	0.297	
6/22/2010	04:00	2.88	21:15	5.91	4.12	04:45	1.05	21:30	2.59	1.85	04:00	0.106	21:15	0.654	0.314	0.314	0.71
6/23/2010	04:30	2.86	08:00	4.94	3.96	03:30	1.14	08:30	2.39	1.79	04:30	0.105	08:30	0.480	0.285	0.285	0.01
6/24/2010	04:15	2.60	12:45	4.85	3.92	03:00	1.08	07:30	2.18	1.76	03:15	0.094	12:45	0.424	0.278	0.278	0.17
6/25/2010	04:30	2.72	08:15	4.89	3.95	02:30	1.11	08:15	2.09	1.74	04:30	0.100	08:15	0.429	0.276	0.276	
6/26/2010	04:45	2.63	11:00	5.06	3.90	05:00	0.87	10:45	2.17	1.66	05:00	0.077	10:15	0.459	0.263	0.263	
6/27/2010	04:45	2.50	11:30	4.98	3.83	04:45	0.99	11:00	2.38	1.72	04:45	0.079	11:30	0.478	0.267	0.267	0.02
6/28/2010	03:15	2.43	15:00	4.63	3.81	03:00	0.93	07:45	2.15	1.70	03:15	0.072	14:45	0.396	0.261	0.261	0.01
6/29/2010	04:30	2.60	08:30	5.01	3.86	04:15	0.99	08:30	2.27	1.68	04:15	0.084	08:30	0.481	0.260	0.260	
6/30/2010	04:15	2.56	08:30	4.79	3.85	04:15	0.96	08:15	2.11	1.63	04:15	0.079	17:45	0.413	0.253	0.253	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			8.768	3.06
Report Avg	4.56	1.71	0.292	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	05:15	2.55	08:00	4.88	3.89	05:15	0.81	08:00	2.15	1.62	05:15	0.067	08:00	0.441	0.255	0.255	
7/2/2010	03:15	2.62	08:15	4.91	3.96	03:15	0.87	08:45	2.15	1.62	03:15	0.075	08:30	0.430	0.262	0.262	
7/3/2010	03:15	2.64	10:30	4.94	3.79	03:15	1.02	10:30	2.30	1.62	03:15	0.088	10:30	0.478	0.246	0.246	
7/4/2010	04:45	2.37	12:30	5.06	3.74	04:45	0.90	12:30	2.18	1.57	04:45	0.067	12:30	0.469	0.236	0.236	
7/5/2010	04:30	2.68	10:30	5.15	4.01	02:15	0.93	19:00	2.24	1.67	04:30	0.085	10:30	0.486	0.277	0.277	
7/6/2010	03:45	2.77	07:15	4.55	3.24	02:30	0.87	07:15	1.99	1.20	02:30	0.082	07:15	0.370	0.148	0.046	
7/7/2010																	
7/8/2010																	
7/9/2010																	0.09
7/10/2010																	
7/11/2010																	
7/12/2010																	0.01
7/13/2010																	0.70
7/14/2010	23:45	3.61	21:15	4.73	4.09	23:45	1.32	16:30	2.03	1.65	23:45	0.177	21:15	0.375	0.266	0.136	0.36
7/15/2010	03:30	2.41	08:00	4.53	3.69	03:30	0.86	12:15	1.91	1.46	03:30	0.066	07:45	0.338	0.214	0.214	
7/16/2010	04:45	2.40	08:30	4.63	3.67	04:45	0.85	18:45	1.94	1.44	04:45	0.064	18:45	0.361	0.209	0.209	
7/17/2010	04:00	2.61	10:30	4.77	3.75	05:30	0.93	10:30	2.18	1.47	04:00	0.081	10:30	0.432	0.219	0.219	
7/18/2010	04:15	2.53	12:30	4.87	3.69	05:00	0.87	12:45	1.94	1.38	05:00	0.073	12:30	0.372	0.202	0.202	
7/19/2010	03:15	2.29	09:15	4.71	3.68	03:00	0.85	09:45	1.74	1.33	03:15	0.060	09:15	0.326	0.193	0.193	0.41
7/20/2010	04:45	2.33	07:45	4.72	3.67	05:00	0.86	07:45	1.74	1.30	05:00	0.066	07:45	0.339	0.187	0.187	
7/21/2010	05:15	2.51	20:15	5.16	3.77	05:15	0.90	20:30	1.91	1.39	05:15	0.073	20:15	0.402	0.209	0.209	1.20
7/22/2010	03:45	2.42	11:15	4.80	3.79	03:45	0.86	08:30	1.77	1.29	03:45	0.066	08:30	0.336	0.194	0.194	
7/23/2010	04:00	2.48	08:45	4.62	3.71	04:00	0.89	11:30	1.77	1.33	04:00	0.070	08:45	0.329	0.195	0.195	0.15
7/24/2010	05:45	2.45	11:30	5.11	3.81	05:45	0.84	11:30	1.91	1.31	05:45	0.065	11:30	0.416	0.200	0.200	0.01
7/25/2010	06:15	2.60	00:30	6.23	3.87	04:15	0.87	00:45	2.06	1.33	04:30	0.076	00:45	0.559	0.209	0.209	0.67
7/26/2010	04:15	2.57	12:30	5.09	3.92	05:30	0.84	12:00	1.62	1.20	03:45	0.077	12:30	0.333	0.188	0.188	
7/27/2010	04:00	2.84	08:00	5.13	4.23	04:00	1.05	22:00	1.84	1.43	04:00	0.101	22:00	0.390	0.247	0.247	
7/28/2010	03:15	3.11	19:45	5.33	4.40	07:45	1.08	07:30	1.83	1.43	03:15	0.127	19:45	0.404	0.257	0.257	
7/29/2010	04:45	3.09	10:00	5.16	4.42	16:00	1.02	22:15	1.72	1.26	04:45	0.126	22:00	0.327	0.224	0.224	0.14
7/30/2010	03:00	3.34	08:45	4.72	3.98	23:30	1.23	13:30	1.74	1.49	03:00	0.152	13:30	0.319	0.232	0.232	
7/31/2010	04:15	2.46	10:00	4.84	3.75	04:15	0.88	10:45	1.87	1.36	04:15	0.069	10:00	0.375	0.204	0.204	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			5.042	3.74
Report Avg	3.87	1.42	0.221	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
8/1/2010	04:00	2.40	13:00	4.77	3.69	03:15	0.86	11:15	1.78	1.31	03:45	0.066	11:15	0.350	0.192	0.192	
8/2/2010	04:15	2.44	09:45	4.55	3.75	05:00	0.90	09:45	1.74	1.35	04:15	0.070	09:45	0.323	0.201	0.201	
8/3/2010	05:00	2.58	07:15	4.56	3.69	01:30	0.87	07:30	1.74	1.35	03:15	0.079	07:15	0.318	0.196	0.196	
8/4/2010	04:15	2.49	19:00	4.70	3.73	02:00	0.93	19:00	1.71	1.35	04:15	0.074	19:00	0.331	0.199	0.199	
8/5/2010	03:30	2.50	09:45	4.57	3.74	03:30	0.94	09:00	1.71	1.37	03:30	0.075	09:45	0.318	0.201	0.201	
8/6/2010	04:00	2.54	12:00	4.59	3.72	04:00	0.96	13:00	1.65	1.32	04:00	0.079	12:00	0.298	0.193	0.193	
8/7/2010	04:00	2.38	13:45	4.90	3.81	06:00	0.93	12:00	1.71	1.24	04:00	0.076	13:45	0.344	0.188	0.188	
8/8/2010	04:00	2.72	12:00	5.07	3.96	04:00	0.97	12:00	1.65	1.23	04:00	0.088	12:00	0.354	0.195	0.195	
8/9/2010	03:30	2.58	18:15	4.90	3.95	04:15	0.93	18:15	1.72	1.19	03:15	0.079	18:15	0.354	0.185	0.185	
8/10/2010	03:45	2.57	08:30	4.82	3.88	03:45	0.93	14:45	1.50	1.21	03:45	0.078	19:30	0.289	0.186	0.186	
8/11/2010	04:45	2.70	11:00	5.19	3.94	06:15	0.93	11:15	1.66	1.21	04:45	0.086	11:00	0.346	0.189	0.189	0.03
8/12/2010	03:00	2.71	11:45	4.85	3.90	03:00	0.97	08:45	1.53	1.22	03:00	0.087	11:45	0.303	0.187	0.187	
8/13/2010	04:00	2.47	11:45	4.89	3.93	04:30	0.84	12:00	1.44	1.20	04:00	0.070	10:30	0.285	0.186	0.186	
8/14/2010	05:30	2.76	12:00	4.96	3.83	07:45	0.90	14:00	1.56	1.27	05:30	0.092	12:00	0.318	0.191	0.191	
8/15/2010	04:15	2.40	11:15	4.70	3.65	06:45	0.96	20:15	1.68	1.31	05:45	0.080	11:15	0.319	0.188	0.188	0.61
8/16/2010	03:45	2.60	08:15	4.49	3.76	00:45	0.88	18:15	1.59	1.27	03:45	0.086	18:45	0.274	0.186	0.186	0.42
8/17/2010	05:15	2.46	08:45	4.58	3.66	06:00	0.96	21:00	1.74	1.38	05:15	0.081	21:00	0.308	0.197	0.197	
8/18/2010	04:30	2.38	08:45	4.56	3.62	02:45	0.92	08:15	1.85	1.44	04:30	0.070	12:00	0.344	0.205	0.205	
8/19/2010	04:15	2.37	10:30	4.53	3.66	04:00	0.91	08:45	1.83	1.43	04:00	0.068	10:30	0.331	0.205	0.205	
8/20/2010	05:00	2.38	11:15	4.54	3.63	01:45	0.96	12:15	1.88	1.46	03:30	0.079	11:30	0.341	0.208	0.208	
8/21/2010	04:00	2.32	12:00	4.75	3.62	02:15	0.95	13:15	1.94	1.45	04:00	0.071	11:45	0.376	0.208	0.208	
8/22/2010	03:45	2.35	20:45	12.65	4.58	04:00	0.84	21:00	2.65	1.63	03:45	0.064	20:45	1.309	0.356	0.356	3.59
8/23/2010	04:30	3.45	07:45	4.73	3.91	05:00	1.32	07:45	1.97	1.58	04:30	0.169	07:45	0.387	0.240	0.083	0.35
8/24/2010	23:45	4.32	23:45	4.32	4.32	23:45	1.50	23:45	1.50	1.50	23:45	0.259	23:45	0.259	0.259	0.003	0.12
8/25/2010	03:30	3.07	09:30	4.90	4.10	03:30	1.13	13:45	1.80	1.50	03:30	0.122	09:15	0.367	0.246	0.246	0.19
8/26/2010	04:00	2.84	09:00	4.95	4.00	04:00	1.03	08:30	1.88	1.49	04:00	0.099	09:00	0.374	0.240	0.240	0.05
8/27/2010	04:30	2.68	10:45	4.79	3.91	04:00	0.97	10:15	1.91	1.43	04:00	0.087	10:15	0.366	0.224	0.224	
8/28/2010	04:45	2.69	10:45	5.05	3.89	04:30	0.90	10:45	1.90	1.44	04:30	0.083	10:45	0.408	0.227	0.227	
8/29/2010	04:30	2.65	13:00	4.95	3.81	04:45	0.93	10:15	1.88	1.43	04:45	0.082	13:00	0.387	0.217	0.217	
8/30/2010	04:30	2.69	09:00	4.72	3.86	02:30	0.99	09:00	1.77	1.40	04:30	0.090	09:00	0.345	0.216	0.216	
8/31/2010	04:00	2.64	10:45	4.55	3.81	03:30	0.97	10:30	1.85	1.49	04:00	0.084	12:00	0.334	0.225	0.225	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			6.124	5.36
Report Avg	3.83	1.36	0.209	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH639, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	03:45	2.46	08:00	4.61	3.80	01:45	0.97	08:00	1.88	1.40	02:15	0.080	08:00	0.357	0.212	0.212	
9/2/2010	04:30	2.78	11:45	4.75	3.91	04:30	1.00	11:45	1.74	1.42	04:30	0.094	11:45	0.341	0.221	0.221	
9/3/2010	05:00	2.58	07:45	4.58	3.83	05:15	0.96	10:30	1.80	1.42	05:00	0.082	11:45	0.331	0.215	0.215	
9/4/2010	03:30	2.84	11:15	5.04	3.83	01:00	1.02	10:45	1.94	1.42	03:30	0.099	11:15	0.402	0.217	0.217	
9/5/2010	04:00	2.51	11:00	4.82	3.70	03:45	0.94	11:00	1.88	1.33	04:00	0.077	11:00	0.379	0.194	0.194	
9/6/2010	04:30	2.56	11:15	5.01	3.81	04:15	0.78	11:00	1.91	1.35	04:30	0.066	11:00	0.397	0.207	0.207	
9/7/2010	03:00	2.59	07:45	4.70	3.72	04:45	0.92	08:30	1.85	1.44	03:00	0.078	08:30	0.359	0.212	0.212	
9/8/2010	03:45	2.45	12:15	4.73	3.79	03:45	0.86	12:15	1.85	1.46	03:45	0.067	12:15	0.363	0.221	0.221	0.02
9/9/2010	03:45	2.53	11:00	4.79	3.79	03:45	0.90	08:15	1.83	1.43	03:45	0.074	10:45	0.344	0.216	0.216	
9/10/2010	03:00	2.39	13:45	4.60	3.75	03:00	0.83	08:00	1.83	1.37	03:00	0.062	08:00	0.330	0.206	0.206	
9/11/2010	04:45	2.46	11:00	5.05	3.79	03:30	0.84	11:30	1.83	1.36	04:45	0.067	11:00	0.378	0.207	0.207	
9/12/2010	04:30	2.52	11:30	5.07	3.87	04:30	0.89	12:30	1.83	1.37	04:30	0.072	11:30	0.379	0.215	0.215	
9/13/2010	04:30	2.53	19:15	4.85	3.84	04:30	0.90	08:00	1.71	1.31	04:30	0.073	08:00	0.343	0.199	0.199	
9/14/2010	05:00	2.69	08:15	5.01	3.95	05:00	0.97	07:00	1.71	1.27	05:00	0.086	08:15	0.329	0.200	0.200	0.01
9/15/2010	03:15	2.66	08:15	4.96	4.03	03:15	0.96	16:45	1.57	1.24	03:15	0.084	08:00	0.305	0.200	0.200	
9/16/2010	04:00	2.63	07:00	5.13	3.83	04:00	0.94	07:45	1.71	1.37	04:00	0.081	07:45	0.319	0.206	0.206	0.16
9/17/2010	05:00	2.69	08:15	4.82	3.69	05:00	0.93	07:15	1.74	1.28	05:00	0.083	08:15	0.336	0.187	0.117	0.06
9/18/2010																	
9/19/2010																	
9/20/2010																	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			3.466	0.25
Report Avg	3.82	1.37	0.208	

Site Commentary

Site Information

MH705-1	
Pipe Dimensions (in.)	Circular (12.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH705-1 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	1.98	1.26	0.077
Minimum	0.79	0.54	0.009
Maximum	5.67	2.56	0.554
Time of Minimum	8/19/2010 3:45 AM	7/13/2010 2:15 AM	8/14/2010 4:15 AM
Time of Maximum	7/7/2010 6:45 AM	3/30/2010 10:45 AM	8/22/2010 8:30 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below. Downtime due to monitor malfunction.

Percent Uptime	
Depth (in)	93.23
Velocity (ft/s)	93.24
Quantity (MGD)	93.23

a division of ADS LLC.

Site Name:	YORKTOWN MH-705-1	Meter Type:	1502 EM	Monitor S/N:	9720	Manhole #:	
Address / Location:	BEHIND POST OFFICE IN WOODS			Map Page #:			
Access:	Walk (Commercial)	Type of System:	SANITARY	Pipe Height:	12 Inches		
				Pipe Width:	12 Inches		
				Phone Number:			



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 16, 2010	10:55 AM	Manhole Depth:	7 Feet	
Site Hydraulics:	Smooth flow with good velocity		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	ACP	Good
Downstream Manhole:			Mini System Character:	COMMERCIAL	
Depth of Flow (Wet Dof):	+/-	3.5	Access Pole #:	N/A	
Range (Air Dof):	+/-		Distance From Manhole:	N/A Feet	
Peak Velocity:		2.21 fps	Road Cut Length:	N/A Feet	
Silt:		Inches	Trench Length:	N/A Feet	

Other Information:
N 41° 16' 39.7" W 73° 46' 38.1"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:
PRESS SN 79737 ULTRA PO 1.75

SCATTERGRAPH REPORT

MH705-1

Flow Monitor
MH705-1

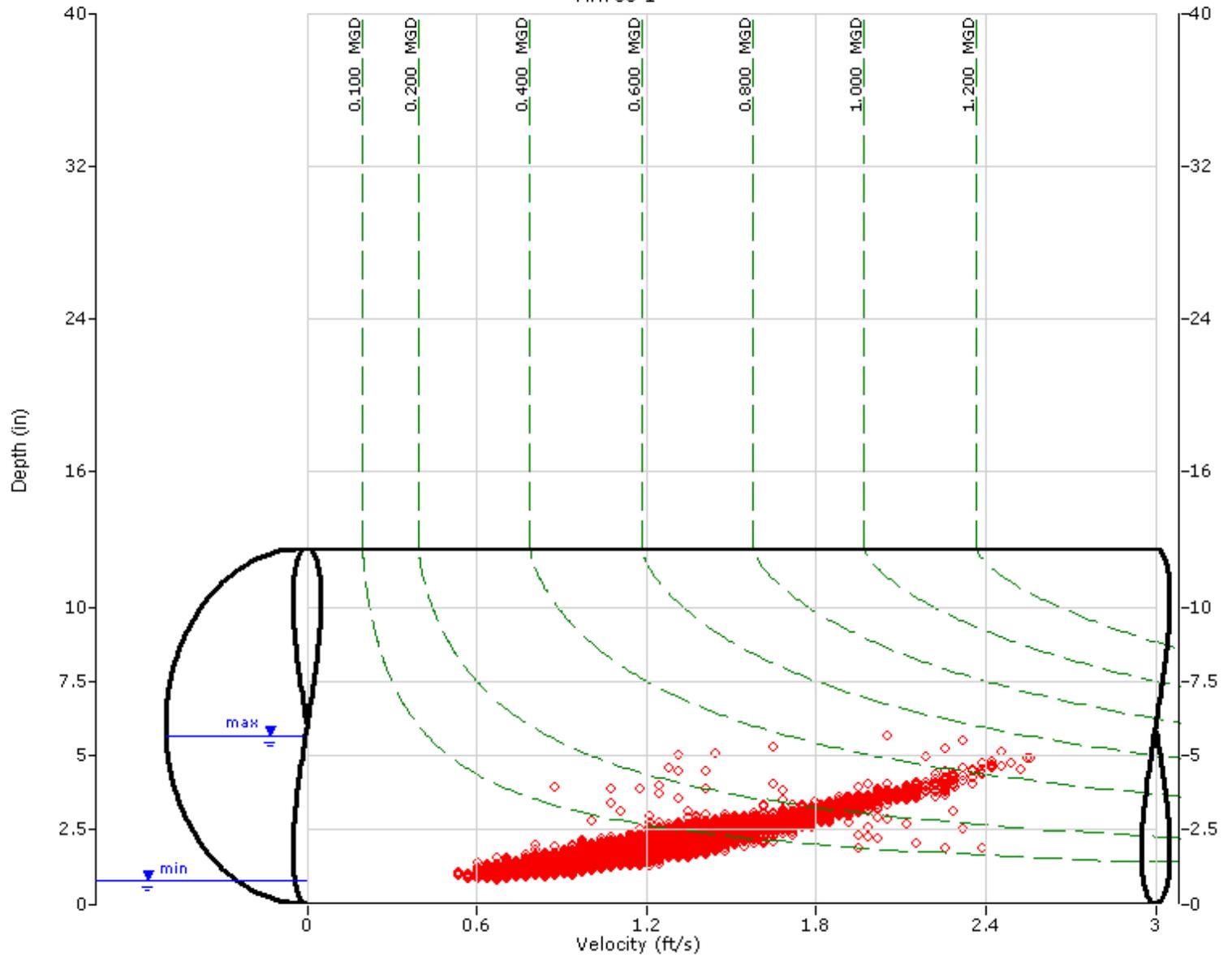
Nominal Diameter
12-in

Report Period
3/22/2010
To
9/20/2010

Legend

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

ABS ENVIRONMENTAL SERVICES



HYDROGRAPH REPORT

MH705-1

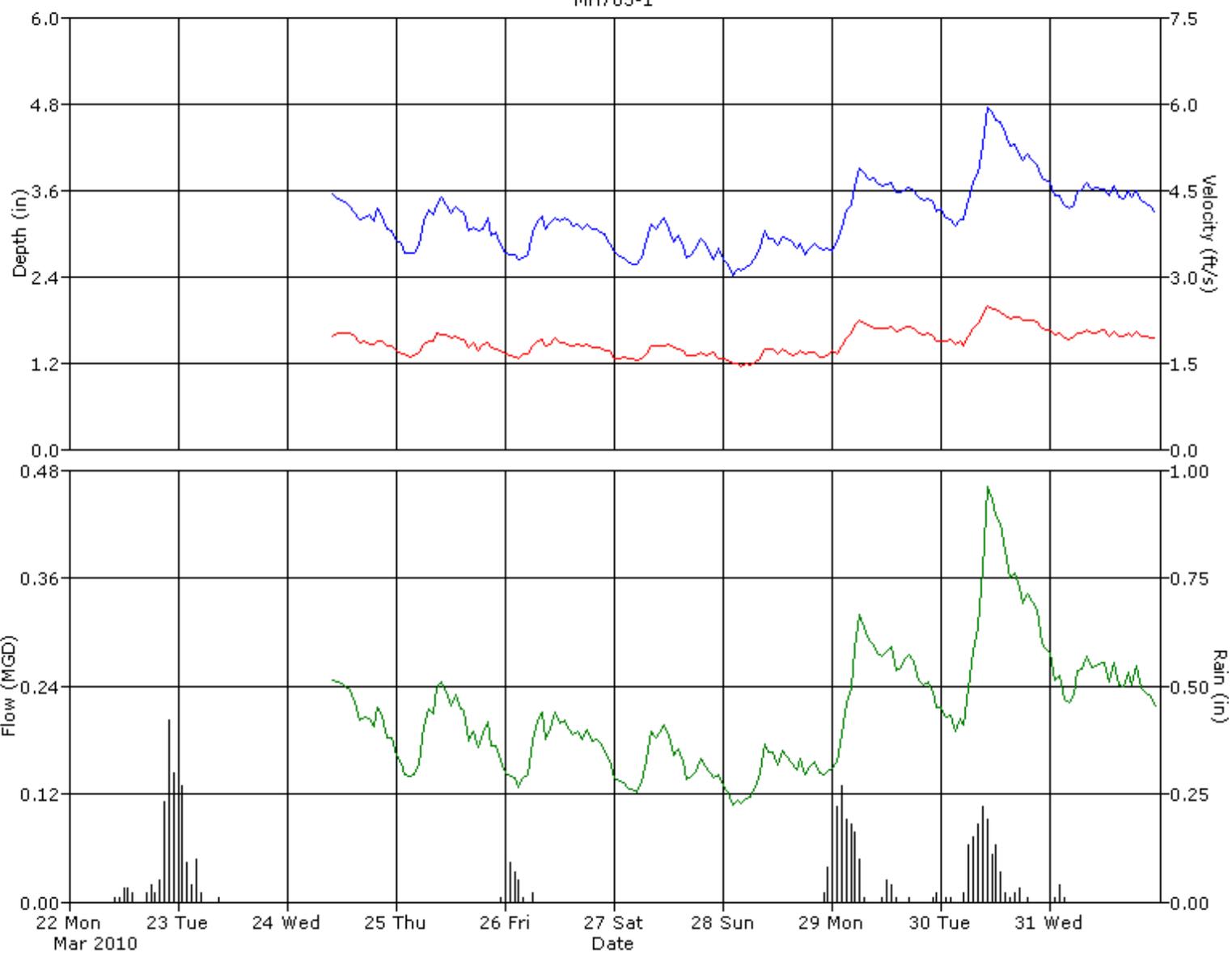
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH705-1

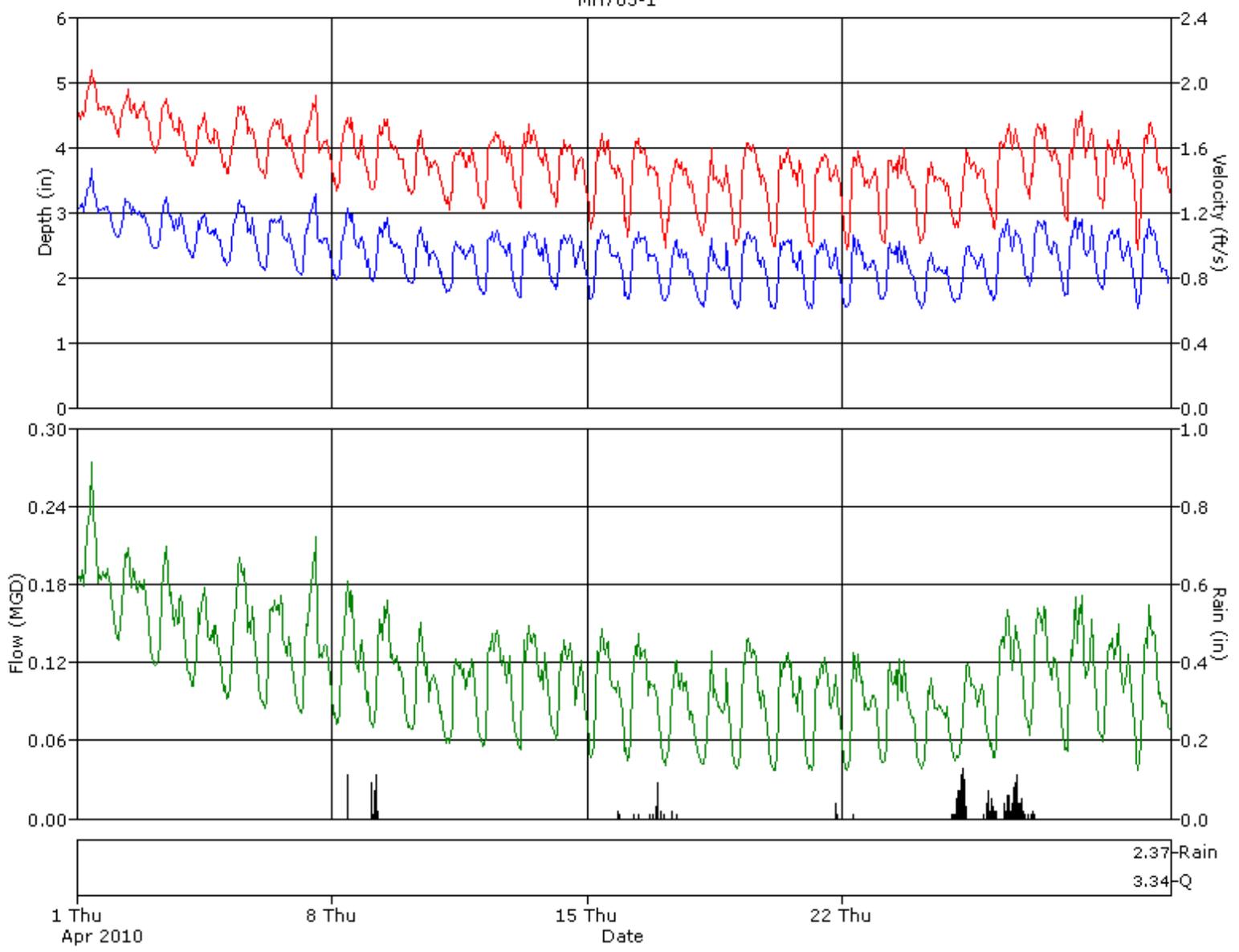
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH705-1

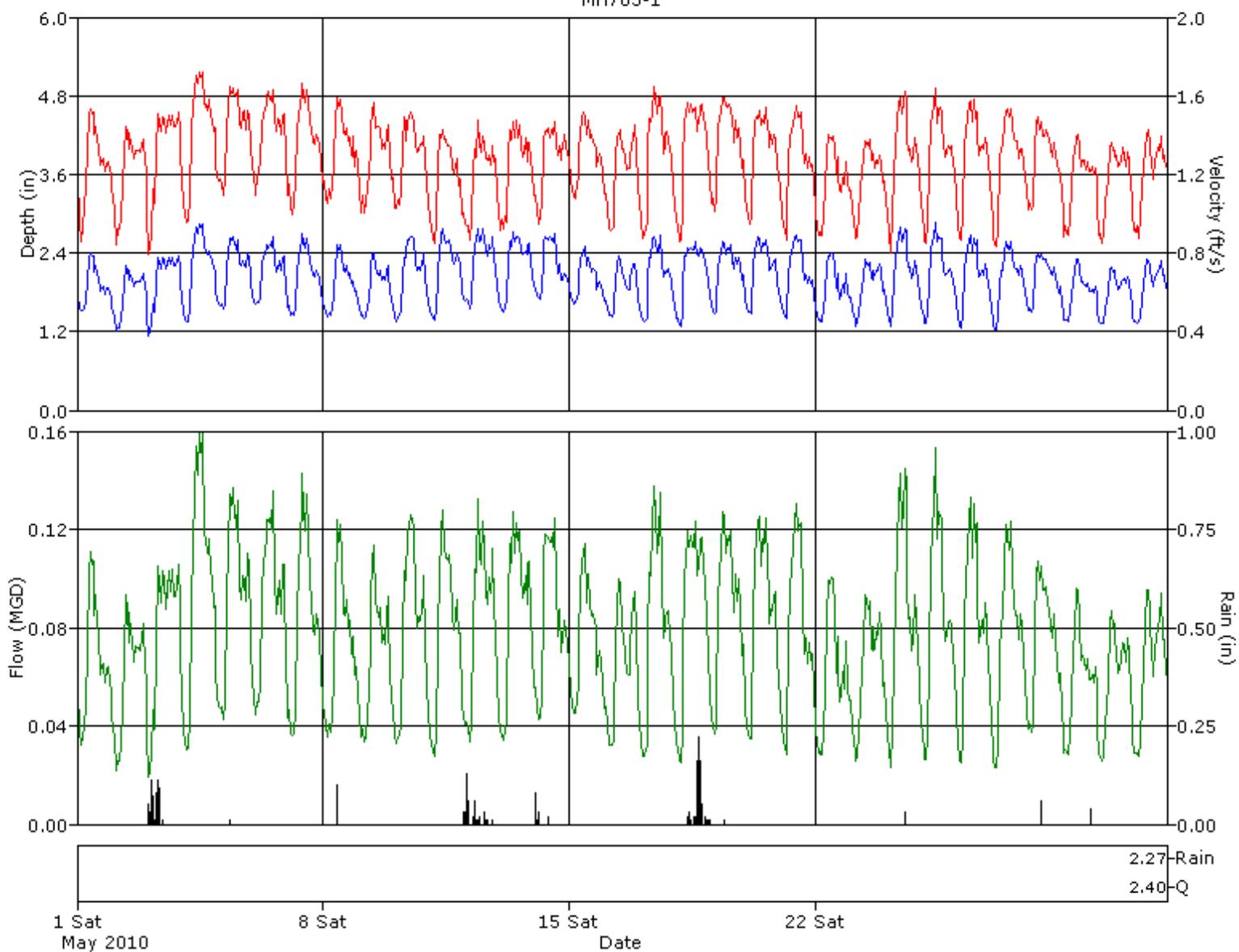
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH705-1

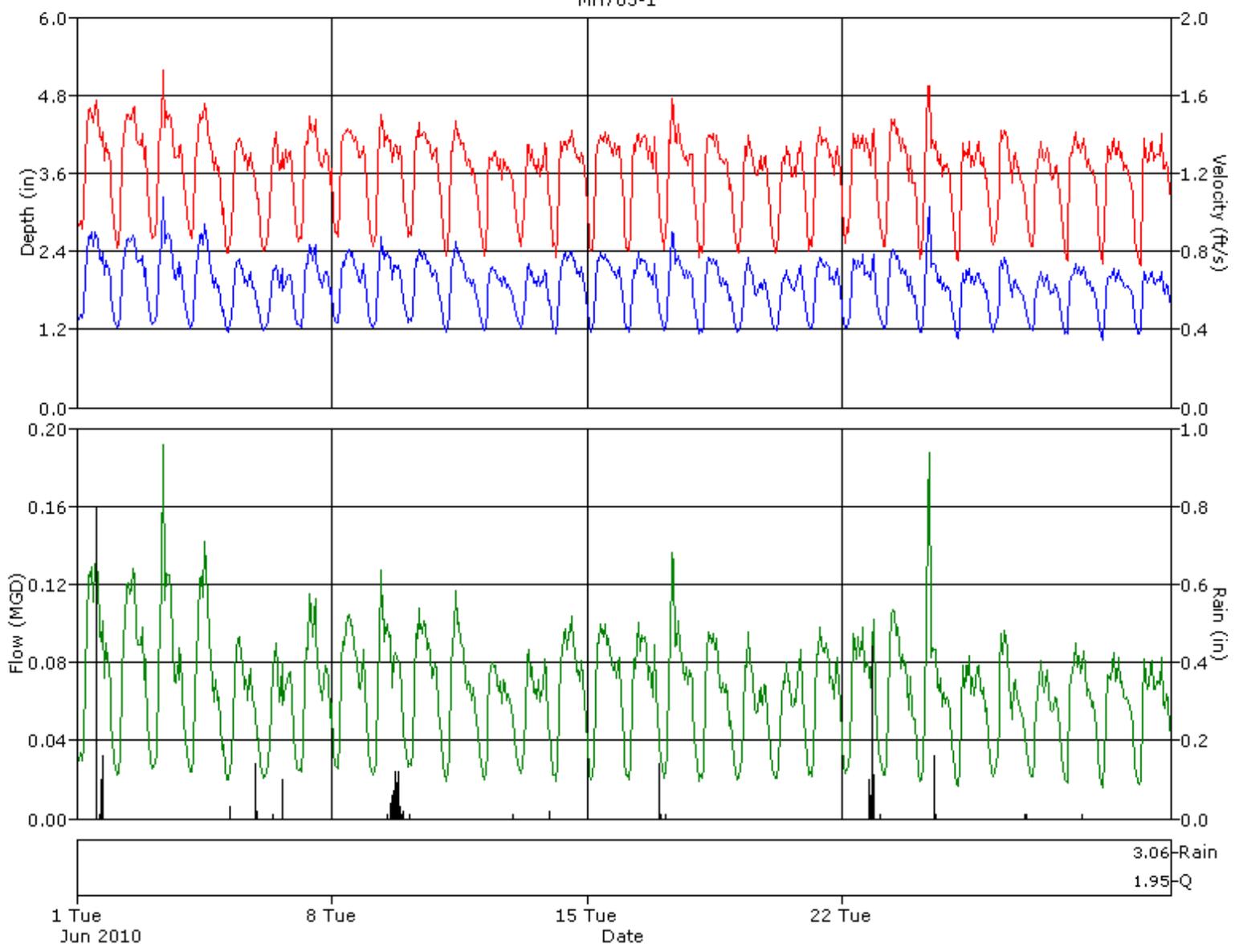
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH705-1

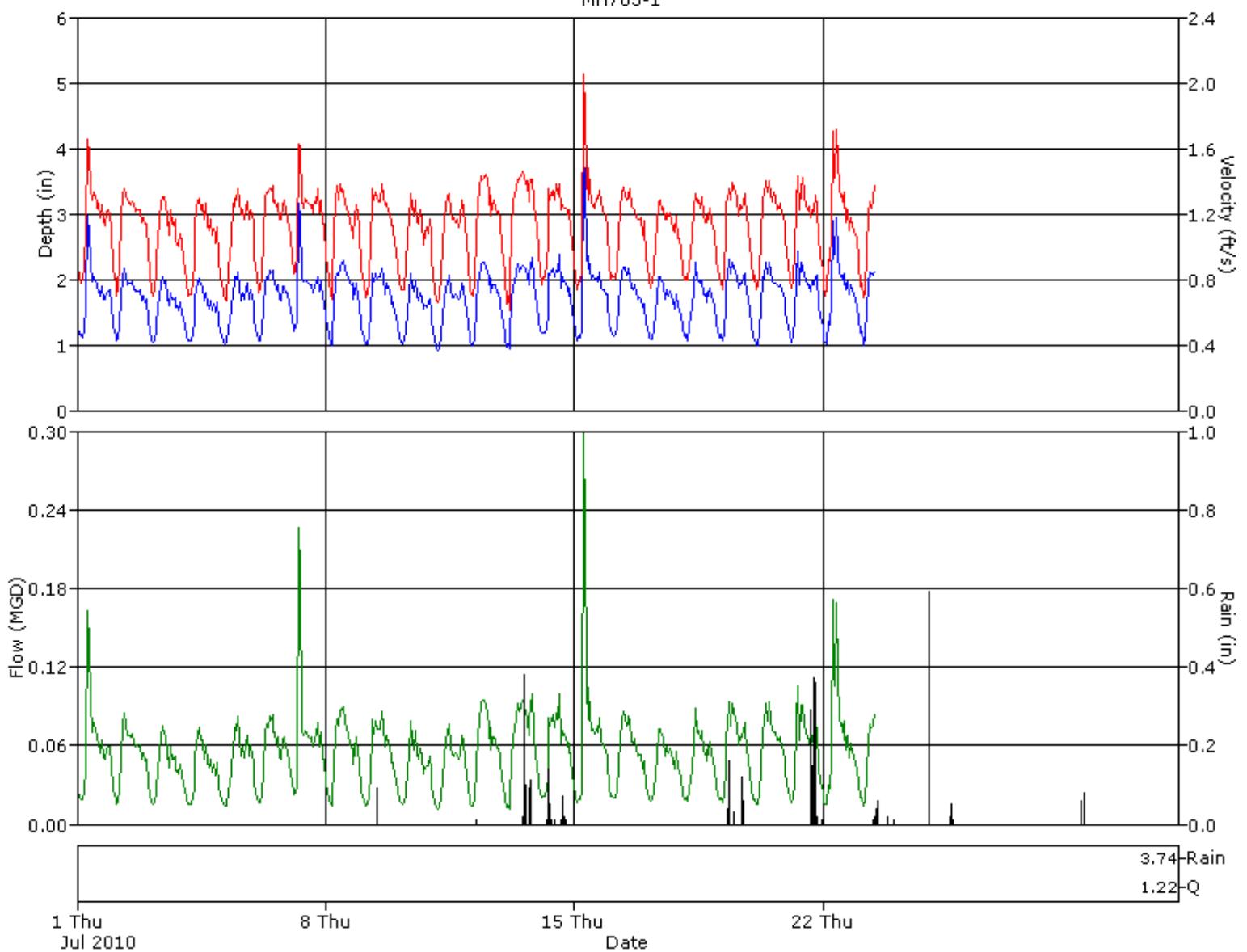
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH705-1

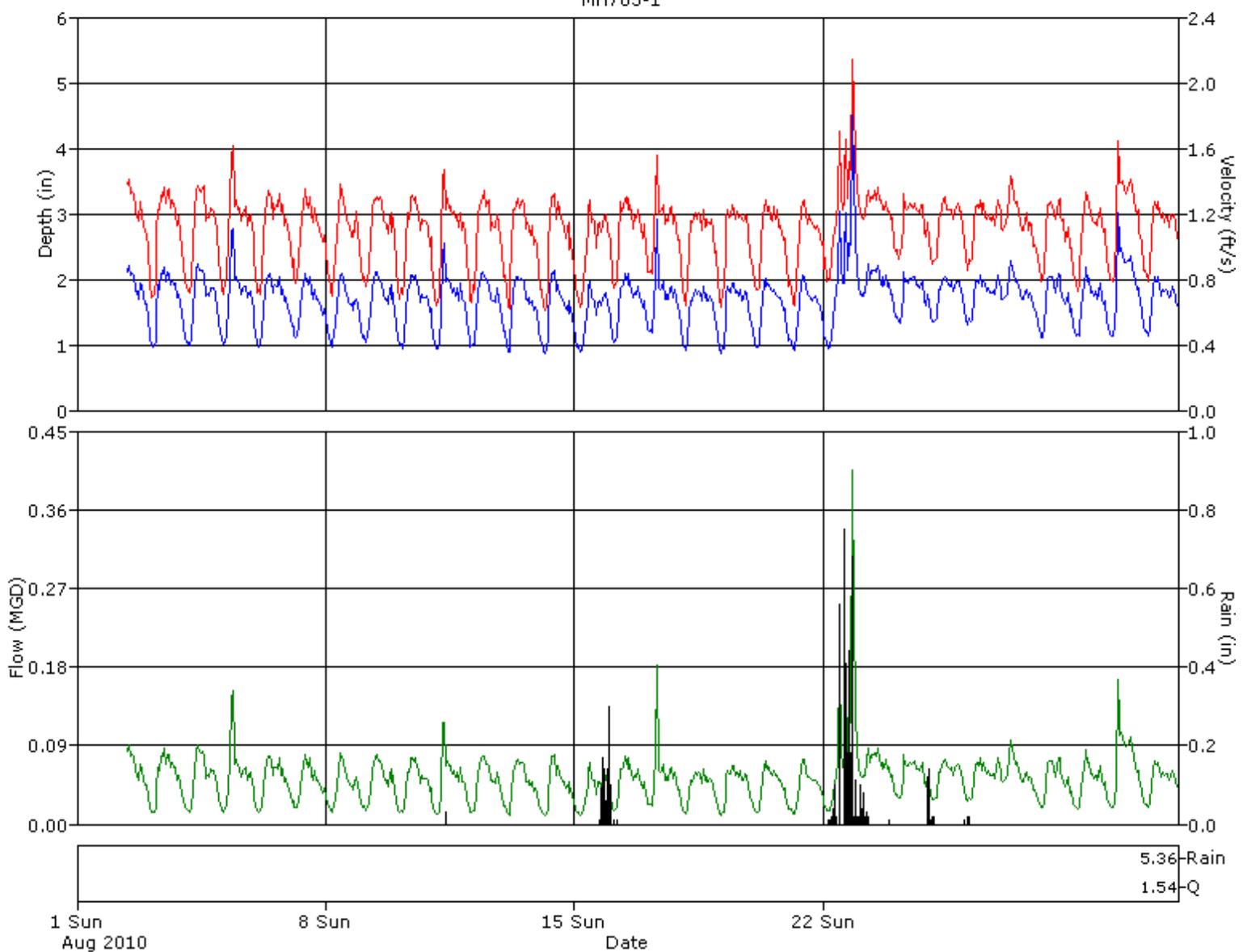
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH705-1

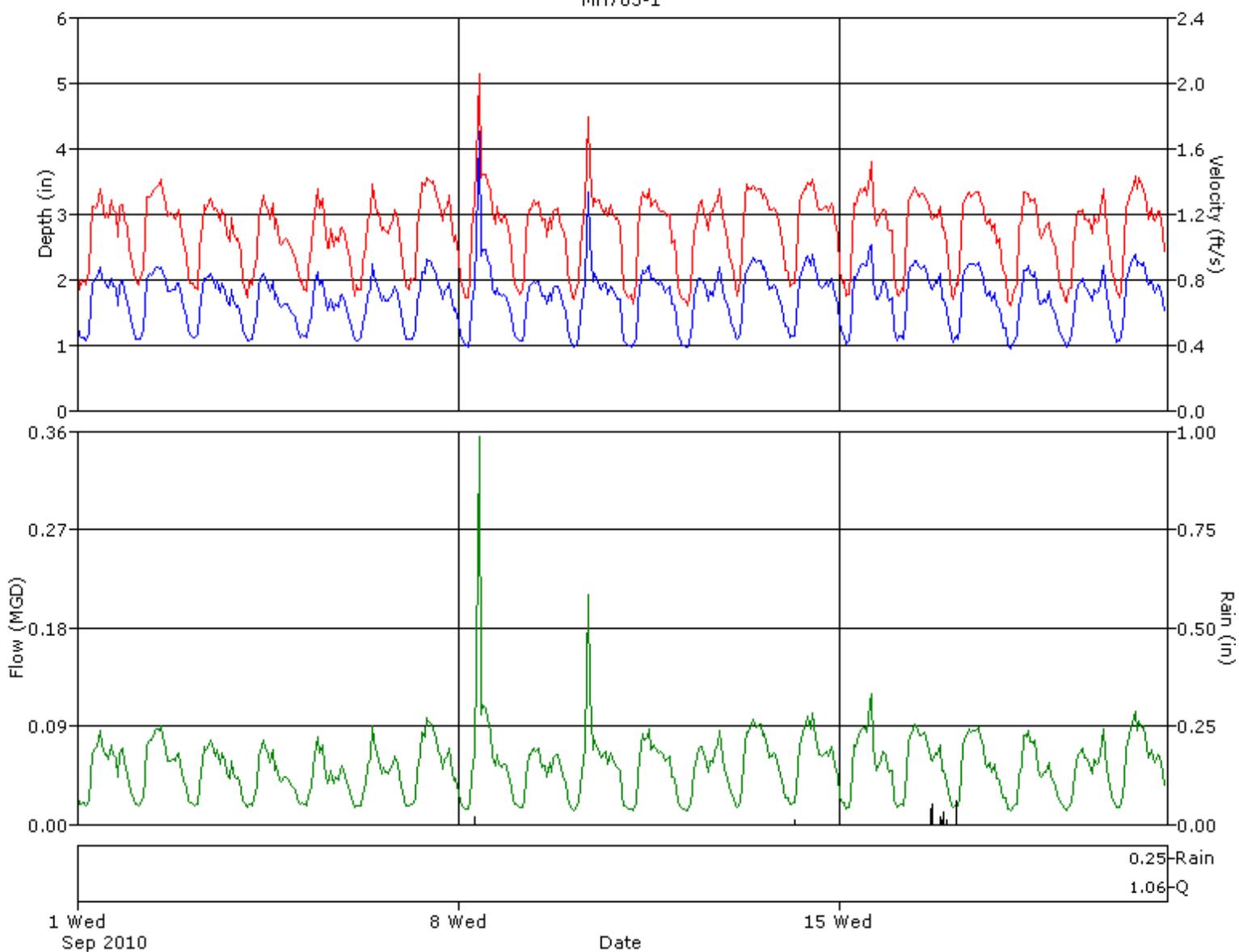
Flow Monitor
MH705-1

Nominal Diameter
12-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain		
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total	
3/22/2010																		1.18
3/23/2010																		0.83
3/24/2010	23:45	2.93	10:30	3.66	3.28	22:45	1.72	11:45	2.15	1.90	23:45	0.168	11:45	0.277	0.215	0.121		
3/25/2010	03:15	2.67	10:15	3.64	3.09	02:15	1.58	13:30	2.06	1.81	03:15	0.133	10:15	0.265	0.189	0.189		0.01
3/26/2010	04:30	2.60	08:00	3.34	2.99	03:00	1.55	11:00	1.99	1.76	03:30	0.126	11:00	0.228	0.175	0.175		0.26
3/27/2010	05:45	2.52	11:30	3.42	2.82	05:45	1.48	08:30	1.87	1.66	05:45	0.115	11:30	0.214	0.152	0.152		
3/28/2010	02:45	2.37	13:30	3.12	2.74	03:45	1.41	09:15	1.82	1.61	02:15	0.103	13:30	0.191	0.142	0.142		0.10
3/29/2010	00:15	2.70	06:30	4.06	3.51	00:15	1.62	06:30	2.27	2.02	00:15	0.138	06:30	0.343	0.252	0.252		1.51
3/30/2010	03:00	3.07	10:45	4.91	3.90	05:00	1.75	10:45	2.56	2.15	05:00	0.180	10:45	0.501	0.314	0.314		1.34
3/31/2010	23:30	3.23	08:30	3.86	3.52	04:45	1.86	00:15	2.15	2.00	23:30	0.208	08:30	0.300	0.248	0.248		0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.593	5.29
Report Avg	3.23	1.86	0.211	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	23:45	2.79	10:30	3.85	3.15	20:45	1.72	10:30	2.15	1.87	20:45	0.157	10:30	0.302	0.200	0.200	
4/2/2010	04:45	2.54	08:15	3.27	2.92	04:15	1.65	08:45	1.99	1.81	04:45	0.130	08:45	0.213	0.173	0.173	
4/3/2010	04:00	2.39	11:45	3.44	2.79	04:00	1.51	11:45	1.98	1.72	04:00	0.109	11:45	0.238	0.156	0.156	
4/4/2010	04:45	2.29	13:15	3.08	2.64	04:45	1.45	11:15	1.85	1.64	04:45	0.098	13:15	0.187	0.137	0.137	
4/5/2010	03:30	2.14	11:00	3.35	2.70	03:30	1.41	11:15	1.95	1.66	03:30	0.087	11:15	0.226	0.144	0.144	
4/6/2010	04:00	2.10	14:00	3.13	2.58	04:30	1.38	10:30	1.82	1.62	04:45	0.082	14:00	0.190	0.132	0.132	
4/7/2010	04:15	1.97	13:30	3.34	2.60	02:45	1.38	14:30	1.99	1.64	04:15	0.077	14:30	0.229	0.135	0.135	
4/8/2010	03:30	1.92	13:30	3.18	2.51	03:30	1.28	12:30	1.88	1.58	03:30	0.067	13:30	0.203	0.124	0.124	0.11
4/9/2010	04:00	1.90	13:15	3.02	2.47	01:00	1.28	10:15	1.82	1.58	02:45	0.069	13:15	0.179	0.121	0.121	0.30
4/10/2010	05:30	1.87	11:30	2.89	2.30	06:00	1.25	10:15	1.75	1.48	05:30	0.065	11:45	0.162	0.103	0.103	
4/11/2010	03:30	1.73	10:45	2.64	2.22	03:00	1.18	15:15	1.68	1.46	03:00	0.054	13:15	0.134	0.096	0.096	
4/12/2010	04:00	1.67	13:15	2.85	2.32	04:00	1.18	12:30	1.75	1.51	04:00	0.050	13:15	0.159	0.107	0.107	
4/13/2010	03:15	1.65	14:00	2.92	2.30	04:00	1.14	10:00	1.85	1.52	04:00	0.048	14:00	0.170	0.106	0.106	
4/14/2010	04:45	1.76	13:30	2.72	2.29	03:00	1.21	10:15	1.73	1.47	04:45	0.056	10:15	0.145	0.101	0.101	
4/15/2010	03:30	1.61	09:45	2.79	2.27	03:45	1.01	10:30	1.72	1.44	04:00	0.043	09:45	0.151	0.099	0.099	0.03
4/16/2010	03:00	1.65	10:30	2.79	2.26	03:45	0.98	10:30	1.75	1.43	03:45	0.042	10:30	0.157	0.098	0.098	0.22
4/17/2010	02:45	1.61	10:15	2.67	2.10	04:30	0.91	12:15	1.62	1.34	04:45	0.039	14:15	0.129	0.082	0.082	0.06
4/18/2010	05:45	1.51	10:00	2.63	2.06	04:15	1.04	10:30	1.68	1.32	05:00	0.040	10:30	0.137	0.079	0.079	
4/19/2010	03:30	1.49	09:45	2.77	2.20	02:30	0.94	09:00	1.72	1.39	03:30	0.035	11:45	0.148	0.092	0.092	
4/20/2010	04:00	1.47	12:00	2.70	2.16	03:45	0.88	07:15	1.62	1.37	03:45	0.031	12:00	0.138	0.089	0.089	
4/21/2010	02:45	1.47	12:00	2.61	2.13	03:00	0.88	12:45	1.65	1.36	03:00	0.032	12:45	0.134	0.086	0.086	0.05
4/22/2010	01:30	1.47	07:15	2.81	2.13	03:00	0.84	09:45	1.62	1.36	03:00	0.031	07:15	0.143	0.086	0.086	0.01
4/23/2010	03:00	1.58	14:00	2.74	2.16	03:00	0.94	16:45	1.79	1.37	03:00	0.037	16:45	0.152	0.088	0.088	
4/24/2010	04:30	1.51	10:15	2.46	1.99	03:45	0.91	08:45	1.58	1.31	04:15	0.034	10:15	0.116	0.075	0.075	
4/25/2010	02:45	1.53	12:00	2.60	2.09	02:15	1.08	10:15	1.68	1.38	02:45	0.041	11:00	0.135	0.084	0.084	0.65
4/26/2010	04:00	1.59	10:30	2.97	2.38	04:00	1.01	14:30	1.78	1.51	04:00	0.040	13:45	0.171	0.112	0.112	0.88
4/27/2010	03:30	1.83	14:30	3.05	2.45	03:30	1.18	09:30	1.85	1.56	03:30	0.058	09:30	0.187	0.118	0.118	0.06
4/28/2010	04:15	1.65	14:00	3.14	2.38	02:00	1.08	14:00	1.92	1.54	02:15	0.046	14:00	0.203	0.114	0.114	
4/29/2010	03:15	1.69	14:15	2.77	2.33	03:15	1.14	14:00	1.72	1.48	03:15	0.050	14:15	0.153	0.105	0.105	
4/30/2010	03:00	1.50	10:15	2.97	2.21	03:15	0.94	10:45	1.78	1.45	03:00	0.035	10:15	0.173	0.098	0.098	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			3.340	2.37
Report Avg	2.37	1.51	0.111	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	03:30	1.48	09:00	2.54	1.91	03:00	0.77	08:45	1.59	1.26	03:30	0.028	09:00	0.124	0.068	0.068	
5/2/2010	03:45	1.13	09:15	2.31	1.80	03:45	0.79	09:15	1.49	1.23	03:45	0.019	09:15	0.102	0.061	0.061	
5/3/2010	03:00	1.04	09:00	2.46	2.01	03:00	0.72	09:00	1.56	1.32	03:00	0.015	09:00	0.117	0.079	0.079	0.56
5/4/2010	04:00	1.33	14:15	3.03	2.22	04:00	0.94	14:15	1.79	1.43	04:00	0.029	14:15	0.180	0.099	0.099	
5/5/2010	04:15	1.48	10:00	2.79	2.18	05:00	1.01	10:00	1.70	1.43	04:15	0.037	10:00	0.152	0.094	0.094	0.01
5/6/2010	02:30	1.57	14:15	2.82	2.16	02:30	1.01	11:30	1.72	1.43	02:30	0.039	14:15	0.156	0.092	0.092	
5/7/2010	04:45	1.44	13:30	2.80	2.09	03:00	0.91	13:30	1.70	1.37	03:00	0.032	13:30	0.153	0.085	0.085	
5/8/2010	03:30	1.38	10:00	2.71	1.96	02:30	1.01	08:45	1.67	1.33	03:30	0.034	10:00	0.143	0.075	0.075	0.14
5/9/2010	04:15	1.37	11:00	2.61	1.90	04:00	0.94	11:00	1.62	1.30	04:45	0.031	11:00	0.132	0.070	0.070	
5/10/2010	02:45	1.34	13:30	2.78	2.10	02:45	0.94	12:30	1.62	1.31	02:45	0.029	14:00	0.142	0.082	0.082	
5/11/2010	04:15	1.33	10:30	2.93	2.18	04:15	0.77	12:15	1.55	1.20	04:15	0.024	10:30	0.145	0.080	0.080	
5/12/2010	04:30	1.49	10:15	2.91	2.27	04:45	0.81	10:15	1.55	1.21	04:30	0.032	10:15	0.147	0.085	0.085	0.46
5/13/2010	02:45	1.46	14:00	2.80	2.26	04:45	0.81	10:15	1.51	1.26	03:15	0.030	14:00	0.136	0.088	0.088	
5/14/2010	04:15	1.65	14:15	2.78	2.20	03:30	0.88	13:00	1.51	1.29	04:15	0.037	14:15	0.135	0.085	0.085	0.14
5/15/2010	02:30	1.57	10:45	2.63	2.02	04:15	0.98	10:45	1.58	1.31	04:15	0.039	10:45	0.130	0.075	0.075	
5/16/2010	05:30	1.35	10:45	2.55	1.89	04:00	0.84	11:00	1.51	1.21	04:00	0.028	10:45	0.114	0.064	0.064	
5/17/2010	05:00	1.31	14:00	2.84	2.04	03:45	0.84	10:15	1.72	1.31	05:15	0.026	14:15	0.154	0.080	0.080	
5/18/2010	04:30	1.27	10:00	2.68	2.12	04:30	0.81	09:30	1.65	1.34	04:30	0.023	09:30	0.135	0.086	0.086	0.81
5/19/2010	02:45	1.42	09:45	2.82	2.13	01:30	0.94	10:15	1.68	1.36	03:45	0.033	09:45	0.152	0.086	0.086	0.02
5/20/2010	04:00	1.44	10:00	2.80	2.14	03:00	0.88	07:45	1.62	1.31	03:00	0.031	10:00	0.142	0.084	0.084	
5/21/2010	04:15	1.36	11:30	2.84	2.06	04:00	0.81	14:15	1.62	1.26	04:00	0.026	11:30	0.149	0.078	0.078	
5/22/2010	02:30	1.29	11:30	2.53	1.85	02:30	0.84	09:00	1.48	1.15	02:30	0.025	09:00	0.113	0.060	0.060	
5/23/2010	04:00	1.27	11:00	2.55	1.89	03:30	0.81	10:45	1.45	1.18	03:30	0.024	11:00	0.114	0.063	0.063	
5/24/2010	04:30	1.26	13:30	2.98	2.11	03:30	0.71	11:30	1.68	1.28	03:00	0.022	13:30	0.165	0.083	0.083	0.03
5/25/2010	04:00	1.26	10:00	3.01	2.10	03:00	0.81	10:00	1.75	1.29	04:00	0.023	10:00	0.175	0.083	0.083	
5/26/2010	04:30	1.21	10:15	2.79	2.06	04:30	0.81	10:15	1.62	1.29	04:30	0.022	10:15	0.144	0.080	0.080	
5/27/2010	04:00	1.19	14:15	2.71	2.02	03:45	0.77	10:15	1.58	1.27	03:45	0.021	14:15	0.136	0.077	0.077	
5/28/2010	03:45	1.43	08:45	2.53	2.02	01:45	0.98	08:45	1.56	1.29	03:45	0.033	08:45	0.122	0.075	0.075	0.06
5/29/2010	05:15	1.29	10:30	2.43	1.82	02:00	0.84	11:30	1.45	1.18	05:15	0.025	10:30	0.107	0.059	0.059	0.04
5/30/2010	03:45	1.27	11:00	2.28	1.82	02:15	0.84	09:45	1.42	1.18	04:15	0.024	11:00	0.095	0.060	0.060	
5/31/2010	05:15	1.29	12:00	2.42	1.88	05:00	0.84	11:15	1.45	1.20	05:15	0.026	12:00	0.106	0.064	0.064	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.400	2.27
Report Avg	2.04	1.28	0.077	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	04:30	1.32	14:00	3.33	2.10	03:15	0.88	13:45	1.78	1.28	04:30	0.027	14:00	0.201	0.082	0.082	1.07
6/2/2010	03:30	1.17	12:30	2.77	2.06	03:15	0.77	14:00	1.62	1.27	03:30	0.020	12:30	0.137	0.079	0.079	
6/3/2010	03:15	1.17	09:15	3.58	2.07	03:15	0.77	08:45	1.91	1.27	03:15	0.020	08:45	0.242	0.081	0.081	
6/4/2010	03:30	1.18	12:30	2.93	2.00	04:30	0.81	12:30	1.58	1.25	04:30	0.021	12:30	0.152	0.074	0.074	
6/5/2010	04:45	1.16	10:45	2.41	1.78	03:15	0.77	10:45	1.45	1.15	04:45	0.019	10:45	0.105	0.057	0.057	0.19
6/6/2010	05:45	1.17	15:00	2.25	1.75	03:00	0.77	11:30	1.55	1.14	05:45	0.020	11:30	0.101	0.055	0.055	0.11
6/7/2010	03:30	1.17	09:45	2.78	1.94	04:15	0.74	09:45	1.62	1.23	04:15	0.019	09:45	0.144	0.070	0.070	
6/8/2010	04:15	1.22	11:15	2.77	1.99	03:30	0.84	12:45	1.55	1.26	04:15	0.023	12:45	0.135	0.073	0.073	
6/9/2010	03:15	1.15	08:30	3.16	1.97	03:15	0.74	08:30	1.68	1.23	03:15	0.018	08:30	0.180	0.072	0.072	0.57
6/10/2010	05:00	1.25	17:15	2.62	1.98	02:30	0.84	07:45	1.51	1.24	05:00	0.024	13:30	0.121	0.071	0.071	0.01
6/11/2010	03:30	1.15	10:45	2.74	1.92	03:15	0.74	10:45	1.55	1.20	03:15	0.018	10:45	0.135	0.067	0.067	
6/12/2010	04:00	1.17	09:15	2.31	1.78	04:15	0.74	09:15	1.39	1.14	04:15	0.019	09:15	0.095	0.056	0.056	0.01
6/13/2010	05:00	1.13	10:00	2.29	1.75	04:15	0.77	09:30	1.41	1.14	05:00	0.019	10:00	0.093	0.055	0.055	0.02
6/14/2010	04:30	1.10	09:45	2.62	1.92	04:00	0.67	14:15	1.55	1.19	04:00	0.016	14:15	0.123	0.067	0.067	
6/15/2010	04:00	1.12	09:45	2.58	1.93	04:00	0.71	09:45	1.51	1.21	04:00	0.017	09:45	0.122	0.068	0.068	
6/16/2010	04:15	1.14	10:45	2.65	1.88	02:15	0.74	20:30	1.55	1.21	02:15	0.019	10:45	0.123	0.065	0.065	
6/17/2010	04:15	1.15	09:00	3.07	1.93	03:15	0.77	08:15	1.82	1.23	03:15	0.019	09:00	0.179	0.069	0.069	0.16
6/18/2010	04:30	1.05	08:45	2.53	1.83	04:30	0.71	08:45	1.51	1.19	04:30	0.015	08:45	0.118	0.062	0.062	
6/19/2010	03:45	1.12	10:00	2.40	1.74	03:30	0.77	08:45	1.44	1.16	04:00	0.019	10:00	0.102	0.055	0.055	
6/20/2010	05:30	1.15	21:45	2.34	1.74	04:15	0.74	21:15	1.41	1.14	04:15	0.018	21:45	0.098	0.055	0.055	
6/21/2010	05:15	1.16	10:45	2.42	1.89	02:45	0.71	09:30	1.48	1.21	02:45	0.019	09:45	0.102	0.066	0.066	
6/22/2010	02:45	1.15	21:00	2.75	1.92	02:45	0.81	20:45	1.55	1.23	02:45	0.020	21:00	0.136	0.068	0.068	0.71
6/23/2010	04:30	1.14	13:30	2.52	1.91	04:30	0.74	08:15	1.55	1.22	04:30	0.018	08:15	0.117	0.068	0.068	0.01
6/24/2010	03:45	1.11	08:45	4.03	1.91	03:00	0.71	08:45	2.15	1.22	03:45	0.017	08:45	0.322	0.070	0.070	0.17
6/25/2010	04:00	1.03	12:30	2.29	1.78	03:15	0.71	06:45	1.45	1.17	04:00	0.015	06:45	0.096	0.058	0.058	
6/26/2010	03:15	1.14	12:00	2.56	1.77	03:15	0.77	09:45	1.51	1.17	03:15	0.019	12:00	0.118	0.058	0.058	
6/27/2010	05:00	1.14	11:45	2.26	1.70	04:30	0.77	11:30	1.48	1.14	05:00	0.019	11:45	0.094	0.052	0.052	0.02
6/28/2010	04:00	1.07	10:45	2.41	1.78	03:45	0.71	10:45	1.46	1.17	04:00	0.016	10:45	0.106	0.059	0.059	0.01
6/29/2010	03:45	1.02	14:00	2.26	1.75	03:30	0.61	11:15	1.45	1.15	03:30	0.013	14:00	0.095	0.056	0.056	
6/30/2010	05:00	1.08	07:00	2.27	1.75	05:00	0.67	11:30	1.48	1.15	05:00	0.015	07:00	0.096	0.056	0.056	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.946	3.06
Report Avg	1.87	1.20	0.065	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	04:00	1.09	07:00	3.09	1.78	02:30	0.71	07:45	1.68	1.17	02:30	0.017	07:00	0.173	0.060	0.060	
7/2/2010	04:00	0.98	08:30	2.25	1.69	01:30	0.61	07:00	1.45	1.13	01:30	0.013	08:30	0.093	0.052	0.052	
7/3/2010	04:00	0.96	09:45	2.18	1.56	03:30	0.64	10:30	1.38	1.05	04:00	0.013	09:45	0.085	0.043	0.043	
7/4/2010	04:30	1.02	11:45	2.18	1.54	03:15	0.64	11:45	1.38	1.04	05:15	0.013	11:45	0.087	0.042	0.042	
7/5/2010	05:00	0.96	13:30	2.20	1.61	05:00	0.61	13:15	1.38	1.08	05:00	0.012	13:30	0.088	0.047	0.047	
7/6/2010	03:45	1.01	10:15	2.27	1.71	03:45	0.64	12:30	1.48	1.14	03:45	0.013	12:00	0.092	0.054	0.054	
7/7/2010	03:00	1.18	06:45	5.67	1.86	01:45	0.74	07:00	2.39	1.20	03:30	0.021	06:45	0.532	0.068	0.068	
7/8/2010	04:15	0.95	12:30	2.36	1.76	03:15	0.67	08:15	1.45	1.11	04:15	0.013	12:30	0.100	0.055	0.055	
7/9/2010	05:00	0.94	10:45	2.30	1.69	03:00	0.64	14:15	1.45	1.12	05:00	0.012	14:15	0.094	0.052	0.052	0.09
7/10/2010	04:45	0.95	10:00	2.28	1.58	03:00	0.67	09:15	1.41	1.06	04:45	0.013	10:00	0.095	0.045	0.045	
7/11/2010	04:00	0.88	11:00	2.23	1.57	04:30	0.57	10:00	1.38	1.06	04:30	0.010	11:00	0.090	0.045	0.045	
7/12/2010	04:15	0.94	09:00	2.52	1.72	04:00	0.61	09:00	1.51	1.15	04:00	0.012	09:00	0.118	0.056	0.056	0.01
7/13/2010	02:45	0.89	20:00	2.90	1.80	02:15	0.54	20:00	1.62	1.19	02:15	0.010	20:00	0.153	0.063	0.063	0.70
7/14/2010	03:45	1.08	14:15	2.73	1.77	02:15	0.71	14:30	1.48	1.15	03:45	0.017	14:15	0.127	0.057	0.057	0.36
7/15/2010	05:00	1.05	07:00	4.06	1.94	02:15	0.71	06:45	2.15	1.21	05:00	0.016	06:45	0.320	0.075	0.075	
7/16/2010	04:00	1.11	08:30	2.30	1.73	01:30	0.74	08:30	1.48	1.13	02:45	0.018	08:30	0.100	0.054	0.054	
7/17/2010	05:00	0.97	09:30	2.21	1.60	04:45	0.67	09:30	1.41	1.07	04:45	0.013	09:30	0.091	0.045	0.045	
7/18/2010	05:30	1.00	10:15	2.42	1.63	04:00	0.71	10:15	1.41	1.08	05:30	0.016	10:15	0.104	0.048	0.048	
7/19/2010	04:30	1.04	09:15	2.60	1.77	03:00	0.71	11:30	1.51	1.15	04:45	0.015	09:15	0.117	0.057	0.057	0.41
7/20/2010	04:00	0.95	09:00	2.43	1.74	04:15	0.64	07:45	1.45	1.15	04:15	0.012	09:00	0.106	0.056	0.056	
7/21/2010	03:45	1.02	06:30	2.78	1.76	02:45	0.67	06:30	1.56	1.14	03:45	0.014	06:30	0.139	0.057	0.057	1.20
7/22/2010	03:15	0.99	07:15	3.56	1.83	02:30	0.67	07:30	2.12	1.16	03:15	0.013	07:30	0.255	0.065	0.065	
7/23/2010	04:00	0.95	11:30	2.40	1.57	03:45	0.61	11:30	1.65	0.99	04:15	0.012	11:30	0.119	0.044	0.022	0.15
7/24/2010																	0.01
7/25/2010																	0.67
7/26/2010																	
7/27/2010																	
7/28/2010																	
7/29/2010																	0.14
7/30/2010																	
7/31/2010																	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.221	3.74
Report Avg	1.71	1.12	0.054	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010																	
8/2/2010	23:45	1.46	12:30	2.31	1.89	23:45	1.01	11:00	1.51	1.23	23:45	0.036	11:00	0.103	0.064	0.035	
8/3/2010	05:00	0.85	10:30	2.38	1.69	02:45	0.61	10:45	1.48	1.11	05:00	0.010	11:30	0.099	0.053	0.053	
8/4/2010	04:15	0.93	09:45	2.36	1.69	04:15	0.61	11:30	1.48	1.12	04:15	0.011	10:15	0.101	0.053	0.053	
8/5/2010	03:15	0.94	08:00	3.89	1.75	03:00	0.64	08:00	2.02	1.13	03:00	0.012	08:00	0.288	0.058	0.058	
8/6/2010	04:15	0.93	09:45	2.23	1.65	04:00	0.67	09:45	1.45	1.11	04:15	0.012	09:45	0.094	0.050	0.050	
8/7/2010	04:00	1.06	10:00	2.18	1.61	04:00	0.71	10:00	1.38	1.09	04:00	0.016	10:00	0.087	0.046	0.046	
8/8/2010	04:15	0.94	10:15	2.29	1.54	04:30	0.61	10:15	1.55	1.05	04:30	0.011	10:15	0.104	0.043	0.043	
8/9/2010	03:30	1.00	11:15	2.29	1.66	05:00	0.71	12:30	1.41	1.10	03:30	0.015	11:15	0.093	0.049	0.049	
8/10/2010	04:15	0.90	11:00	2.19	1.63	02:45	0.64	11:00	1.38	1.07	04:15	0.012	11:00	0.088	0.048	0.048	
8/11/2010	03:45	0.88	07:45	3.86	1.66	03:45	0.57	07:45	1.99	1.08	03:45	0.010	07:45	0.280	0.051	0.051	0.03
8/12/2010	02:45	0.90	10:15	2.23	1.61	02:45	0.57	10:15	1.38	1.06	02:45	0.010	10:15	0.090	0.047	0.047	
8/13/2010	04:00	0.85	09:00	2.20	1.59	03:45	0.61	13:45	1.41	1.05	04:00	0.010	13:45	0.090	0.045	0.045	
8/14/2010	04:15	0.82	11:45	2.23	1.52	05:30	0.54	11:30	1.38	1.02	04:15	0.009	11:45	0.088	0.042	0.042	
8/15/2010	02:45	0.86	11:00	2.12	1.47	04:45	0.57	11:30	1.35	1.01	04:45	0.010	11:30	0.080	0.039	0.039	0.61
8/16/2010	03:30	0.94	10:45	2.48	1.67	03:30	0.64	10:45	1.45	1.11	03:30	0.012	10:45	0.109	0.050	0.050	0.42
8/17/2010	05:00	1.11	08:00	5.29	1.69	02:00	0.77	08:00	2.26	1.11	05:00	0.018	08:00	0.486	0.053	0.053	
8/18/2010	03:45	0.88	10:30	2.10	1.53	04:00	0.57	12:15	1.35	1.04	04:00	0.010	10:30	0.079	0.042	0.042	
8/19/2010	03:45	0.79	16:00	2.22	1.57	03:00	0.57	16:00	1.41	1.06	03:45	0.009	16:00	0.091	0.045	0.045	
8/20/2010	04:00	0.91	10:45	2.16	1.58	04:15	0.64	09:30	1.41	1.07	04:15	0.011	10:45	0.088	0.045	0.045	
8/21/2010	05:15	0.86	12:30	2.23	1.55	05:00	0.57	11:00	1.38	1.03	05:15	0.010	12:30	0.088	0.043	0.043	
8/22/2010	04:30	0.92	20:30	5.47	2.05	06:00	0.64	20:30	2.46	1.27	04:15	0.013	20:30	0.554	0.093	0.093	3.59
8/23/2010	04:15	1.60	07:45	2.36	1.96	03:15	1.04	11:15	1.45	1.25	04:15	0.043	07:45	0.100	0.068	0.068	0.35
8/24/2010	04:00	1.26	13:00	2.36	1.79	03:30	0.84	07:45	1.41	1.15	04:00	0.025	07:45	0.098	0.056	0.056	0.12
8/25/2010	02:00	1.28	08:15	2.12	1.79	02:15	0.84	11:00	1.35	1.15	02:00	0.025	19:00	0.081	0.056	0.056	0.19
8/26/2010	05:45	1.25	10:30	2.16	1.77	02:00	0.84	10:30	1.38	1.14	05:45	0.024	10:30	0.086	0.055	0.055	0.05
8/27/2010	23:00	1.39	07:45	2.40	1.83	22:45	0.94	08:15	1.55	1.18	23:00	0.031	07:45	0.109	0.059	0.059	
8/28/2010	05:15	1.06	15:30	2.37	1.68	05:15	0.71	11:15	1.38	1.08	05:15	0.015	14:45	0.097	0.049	0.049	
8/29/2010	05:15	1.10	10:15	2.40	1.65	04:15	0.64	10:15	1.41	1.07	04:15	0.016	10:15	0.102	0.048	0.048	
8/30/2010	04:30	1.08	07:15	3.36	1.95	02:15	0.74	07:15	1.75	1.19	04:00	0.018	07:15	0.204	0.071	0.071	
8/31/2010	04:45	1.10	11:30	2.16	1.69	04:15	0.74	08:15	1.38	1.11	04:15	0.017	08:15	0.084	0.050	0.050	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.543	5.36
Report Avg	1.69	1.11	0.052	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH705-1, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	05:00	1.02	10:00	2.39	1.69	01:00	0.67	10:00	1.41	1.10	05:00	0.015	10:00	0.102	0.051	0.051	
9/2/2010	05:00	1.04	10:45	2.43	1.75	03:15	0.73	13:45	1.55	1.14	05:00	0.016	10:45	0.109	0.056	0.056	
9/3/2010	05:15	1.07	11:00	2.31	1.67	05:00	0.61	11:00	1.45	1.07	05:00	0.014	11:00	0.099	0.049	0.049	
9/4/2010	05:15	1.02	10:15	2.16	1.58	03:15	0.67	10:15	1.41	1.02	03:45	0.015	10:15	0.088	0.043	0.043	
9/5/2010	05:00	1.00	12:15	2.17	1.56	04:30	0.64	10:00	1.38	1.02	05:00	0.013	10:00	0.086	0.042	0.042	
9/6/2010	03:30	0.99	10:00	2.55	1.60	02:15	0.67	10:00	1.48	1.05	03:30	0.013	10:00	0.117	0.045	0.045	
9/7/2010	03:45	0.95	12:15	2.57	1.72	02:45	0.64	08:15	1.51	1.14	02:45	0.012	12:15	0.121	0.056	0.056	
9/8/2010	04:15	0.91	09:15	4.98	1.85	03:00	0.64	09:15	2.32	1.17	04:15	0.012	09:15	0.463	0.071	0.071	0.02
9/9/2010	03:30	0.99	09:30	2.17	1.62	04:15	0.64	08:30	1.35	1.07	04:15	0.014	09:30	0.082	0.047	0.047	
9/10/2010	03:30	0.92	09:15	3.97	1.75	01:45	0.64	09:15	2.02	1.13	03:30	0.011	09:15	0.296	0.059	0.059	
9/11/2010	03:45	0.93	09:00	2.41	1.66	05:00	0.54	09:30	1.45	1.08	05:00	0.010	09:00	0.103	0.051	0.051	
9/12/2010	05:00	0.93	19:45	2.27	1.62	05:00	0.54	11:00	1.41	1.04	05:00	0.010	19:00	0.092	0.047	0.047	
9/13/2010	03:30	1.06	10:15	2.44	1.83	03:00	0.67	07:30	1.45	1.16	03:30	0.015	09:15	0.107	0.061	0.061	
9/14/2010	02:00	1.08	10:00	2.61	1.83	03:15	0.67	10:00	1.51	1.16	03:15	0.016	10:00	0.124	0.061	0.061	0.01
9/15/2010	03:00	1.00	14:15	2.74	1.80	01:45	0.61	14:00	1.65	1.14	03:15	0.013	14:00	0.143	0.060	0.060	
9/16/2010	01:30	1.00	10:15	2.43	1.80	02:00	0.61	09:45	1.48	1.12	05:00	0.014	09:45	0.108	0.058	0.058	0.16
9/17/2010	02:45	1.00	13:15	2.46	1.75	02:45	0.64	11:30	1.45	1.10	02:45	0.013	13:15	0.108	0.055	0.055	0.06
9/18/2010	03:30	0.89	12:00	2.45	1.60	02:45	0.57	09:30	1.38	1.04	03:30	0.010	11:45	0.102	0.046	0.046	
9/19/2010	04:00	0.95	20:15	2.38	1.61	03:45	0.61	20:15	1.38	1.04	04:00	0.011	20:15	0.099	0.046	0.046	
9/20/2010	02:30	0.96	14:00	2.47	1.82	02:45	0.64	10:30	1.48	1.14	02:45	0.012	10:30	0.110	0.060	0.060	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.062	0.25
Report Avg	1.71	1.10	0.053	

Site Commentary

Site Information

MH722	
Pipe Dimensions (in.)	Circular (13.25 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH722 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	1.53	8.11	0.349
Minimum	0.44	4.61	0.035
Maximum	3.82	12.70	1.779
Time of Minimum	7/4/2010 5:00 AM	9/13/2010 2:00 AM	7/4/2010 5:00 AM
Time of Maximum	3/30/2010 11:00 AM	8/22/2010 9:00 PM	8/22/2010 8:45 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	99.94
Velocity (ft/s)	99.95
Quantity (MGD)	99.89

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Site Name:	YORKTOWN_MH-722	Meter Type:	4000 WR	Monitor S/N:	1533	Manhole #:	
Address / Location:	TRIANGLE SHOPPING CENTER			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	14 Inches		
				Pipe Width:	14 Inches		
				Phone Number:	166.219.185.1		



Investigation Information:		Manhole Information:		
Date/Time of Investigation:	March 17, 2010	Manhole Depth:	8 Feet	5 Inches
Site Hydraulics:	Shallow fast flow	Manhole Material / Condition:	Brick Lined	Good
Upstream Input: (L/S, P/S)		Active Drop Connections?		
Upstream Manhole:		Pipe Material / Condition:	Lined	Good
Downstream Manhole:		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	2.87 +/- 0.5	Telephone Information:		
Range (Air Dof):	8.75 +/- 0.5	Access Pole #:	N/A	
Peak Velocity:	9.89 fps	Distance From Manhole:	N/A Feet	
Silt:	0 Inches	Road Cut Length:	N/A Feet	
		Trench Length:	N/A Feet	

Other Information:
N 41° 16' 42.2" W 73° 46' 41.3"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk				
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station				
Surcharge Height:		WWTP				
Rain Gauge Zone:	RG1	Other				

Additional Site Information / Comments:

PRESS SN 77904 ULTRA PO 1.63

SCATTERGRAPH REPORT

MH722

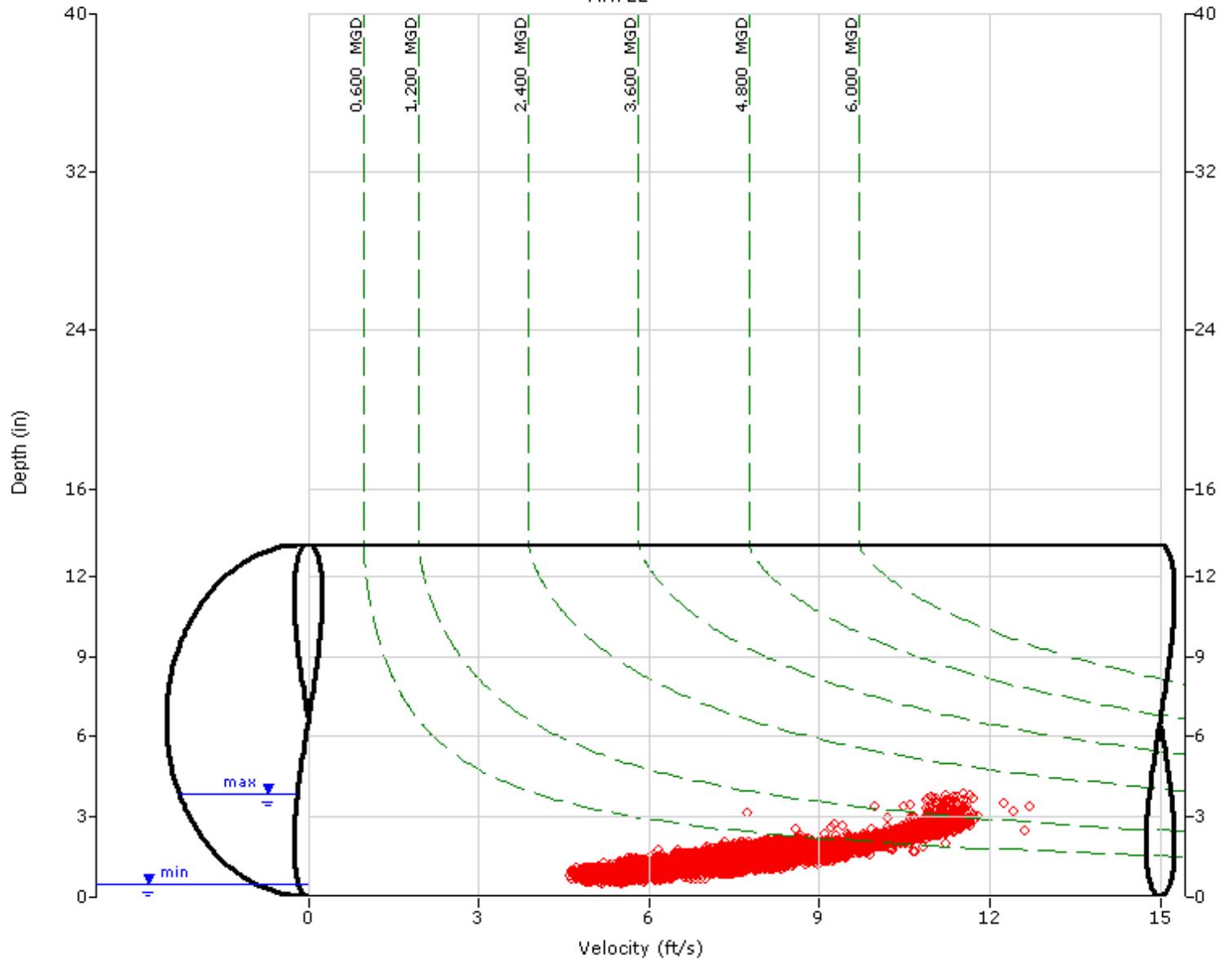
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH722

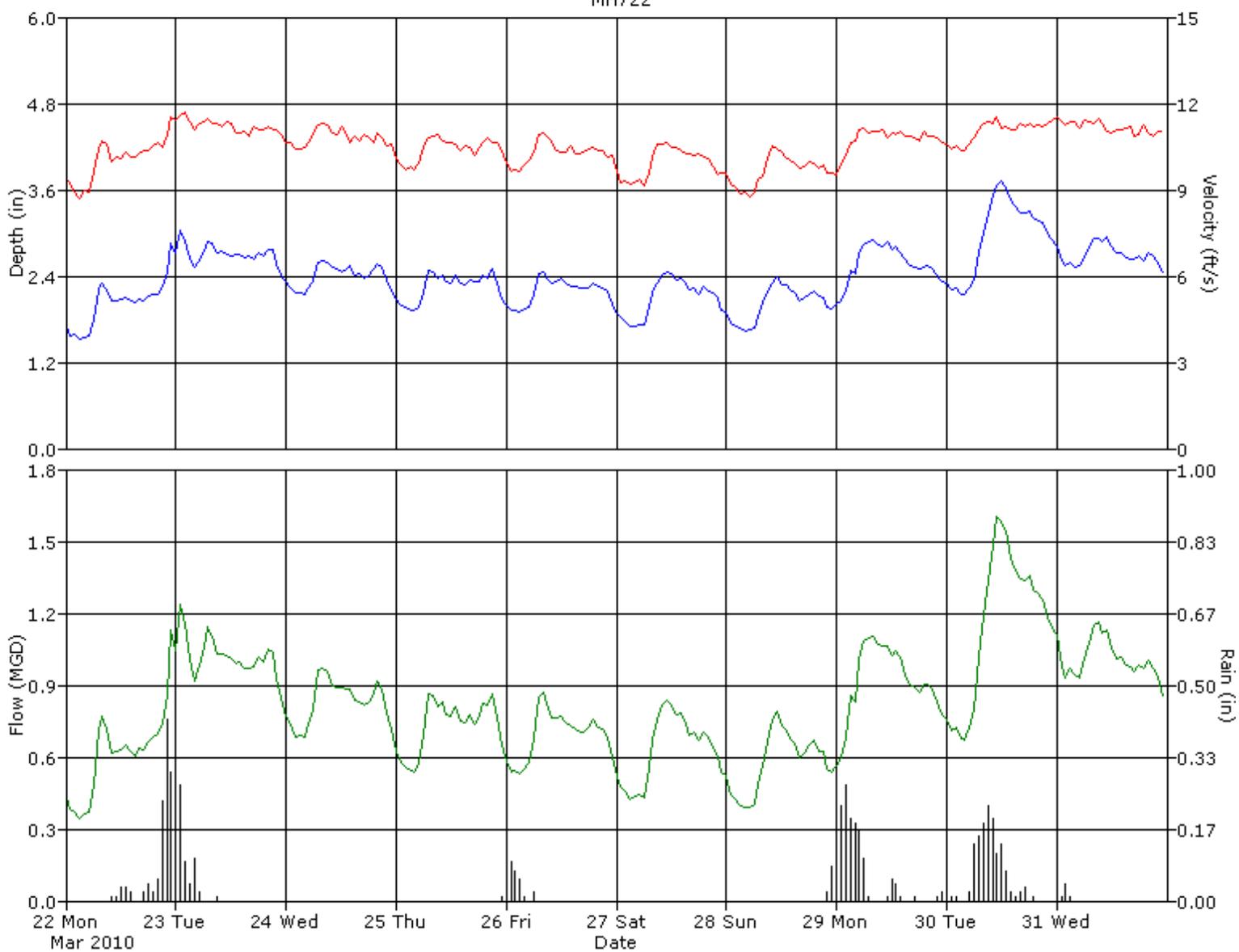
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH722

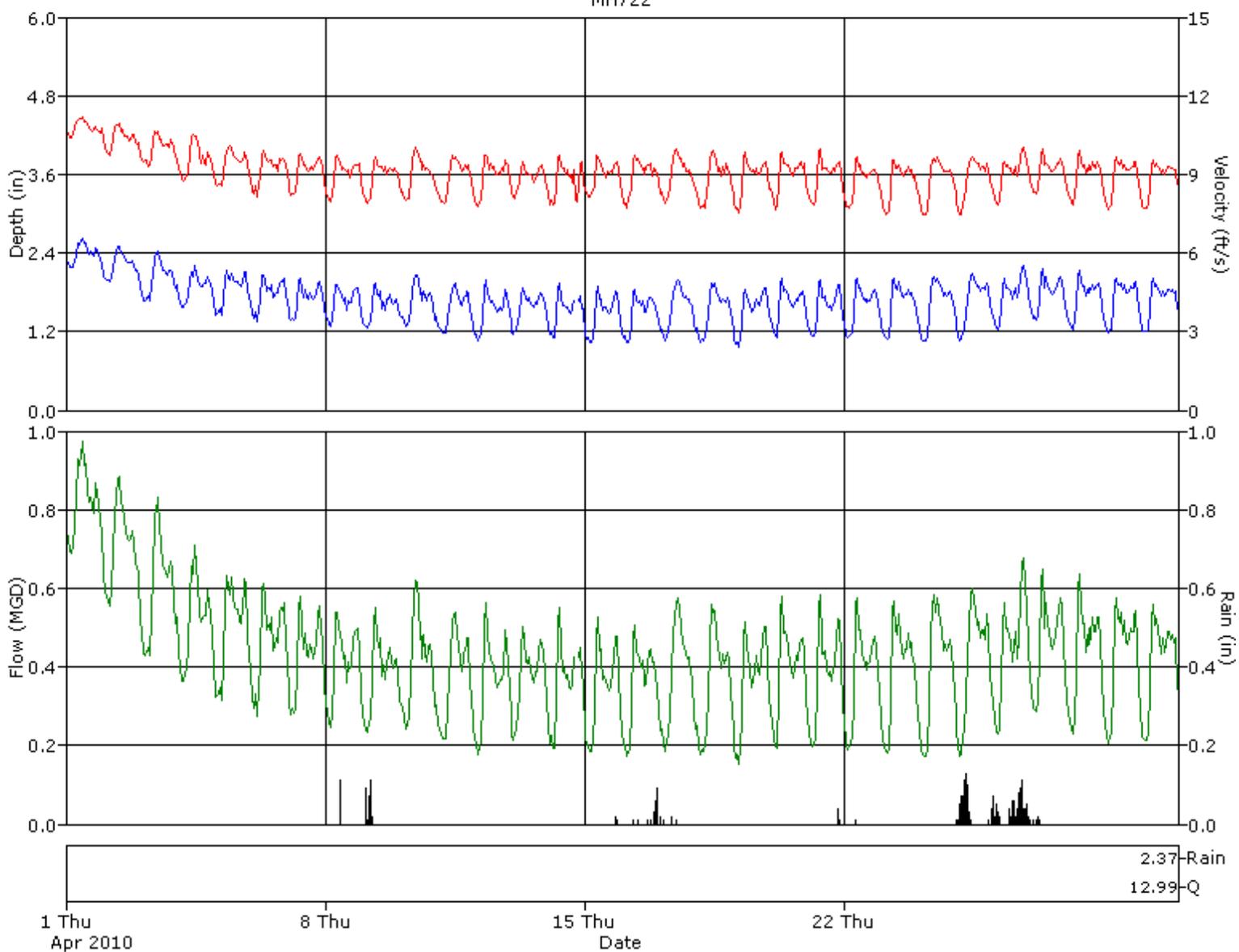
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH722

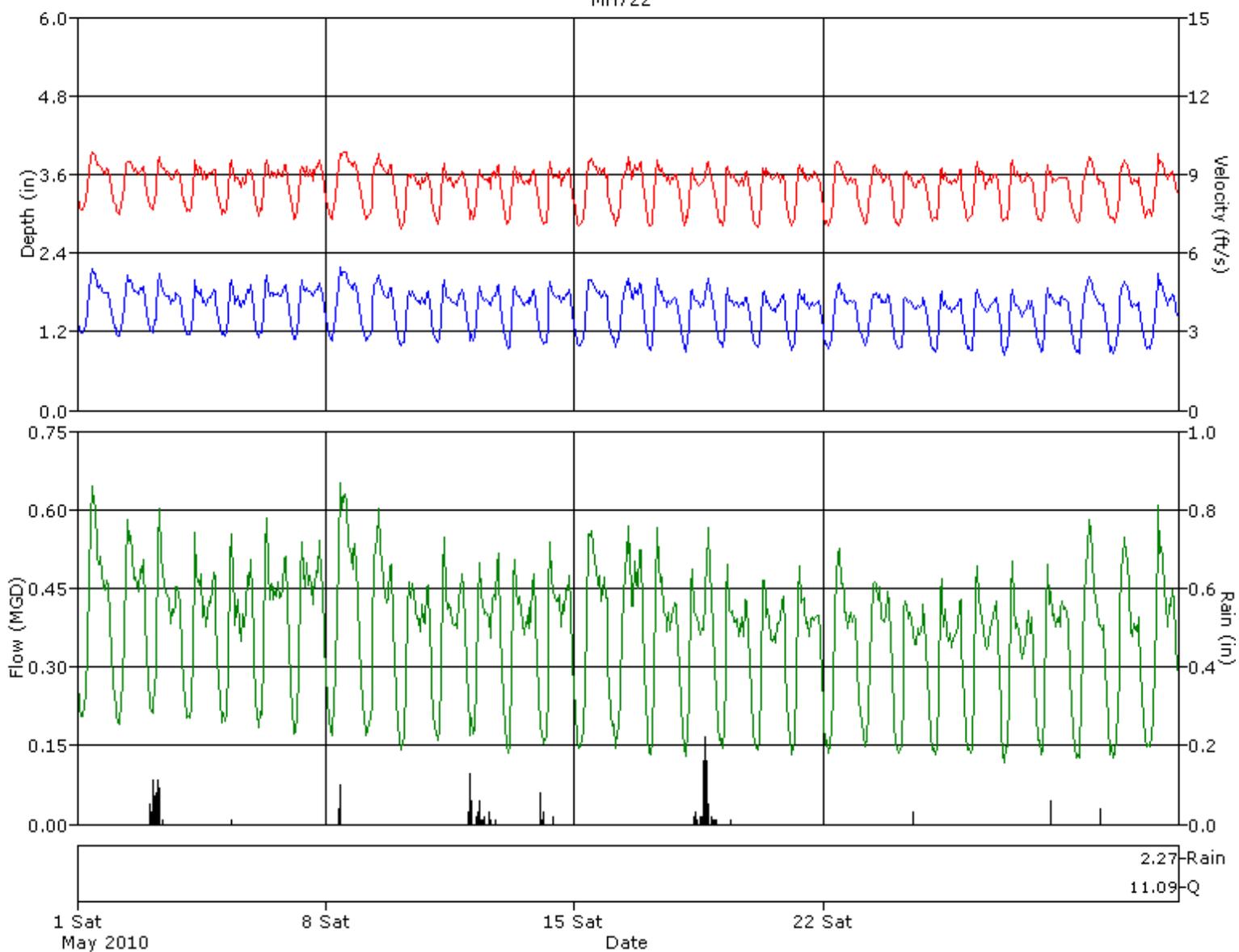
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH722

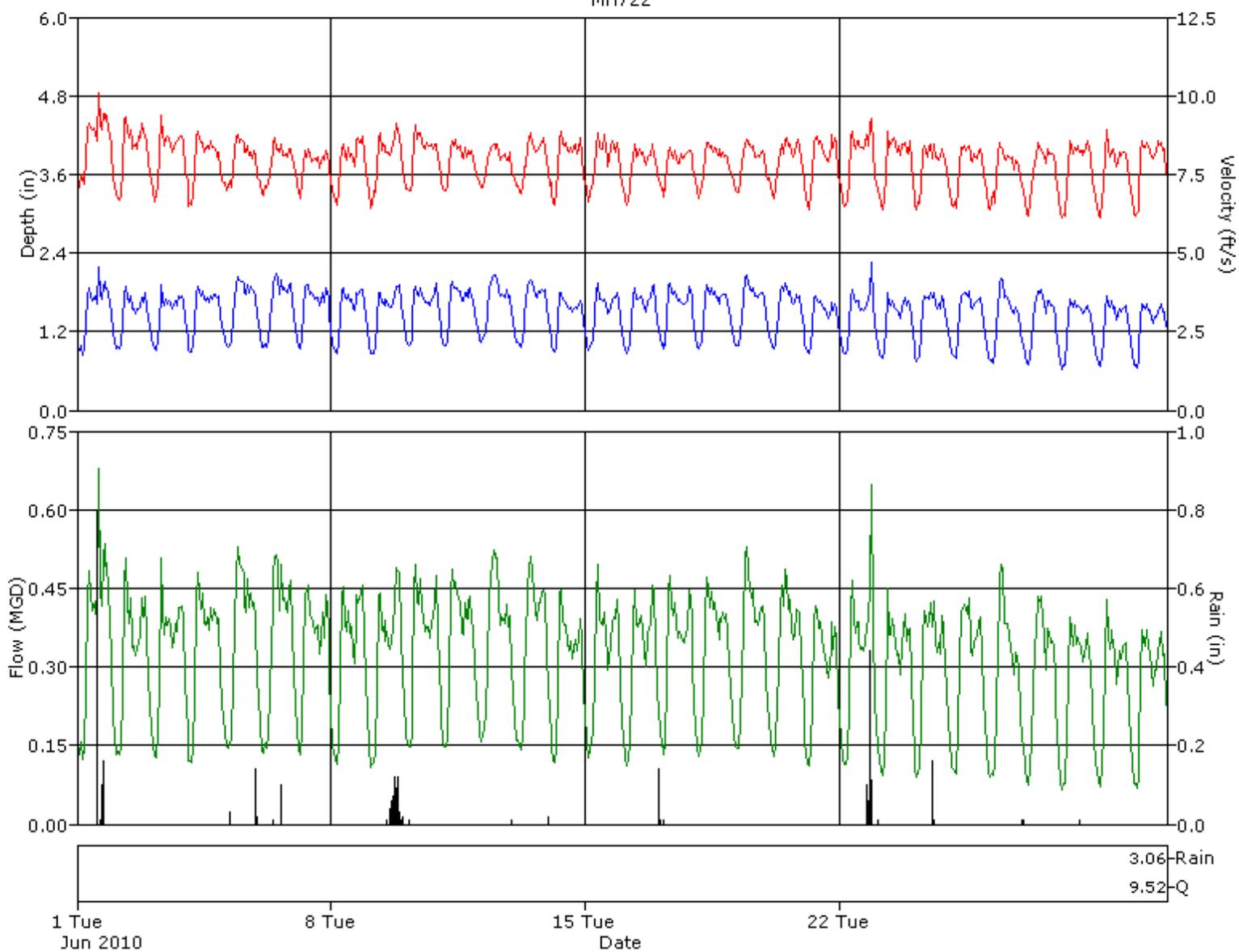
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH722

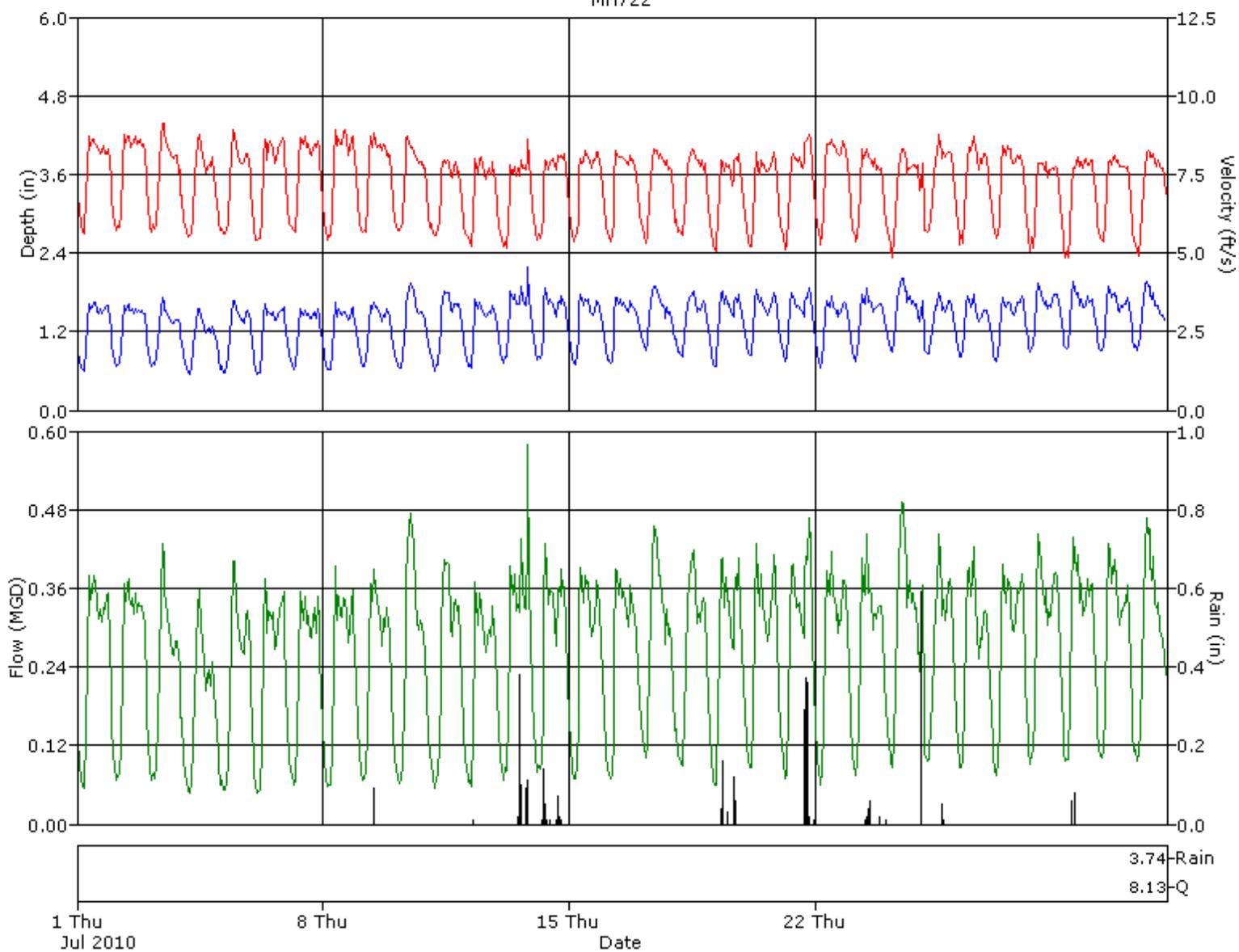
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
7/1/2010
To
7/31/2010

Legend

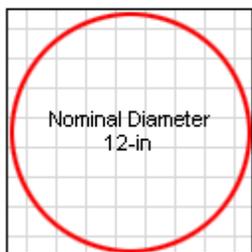
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH722

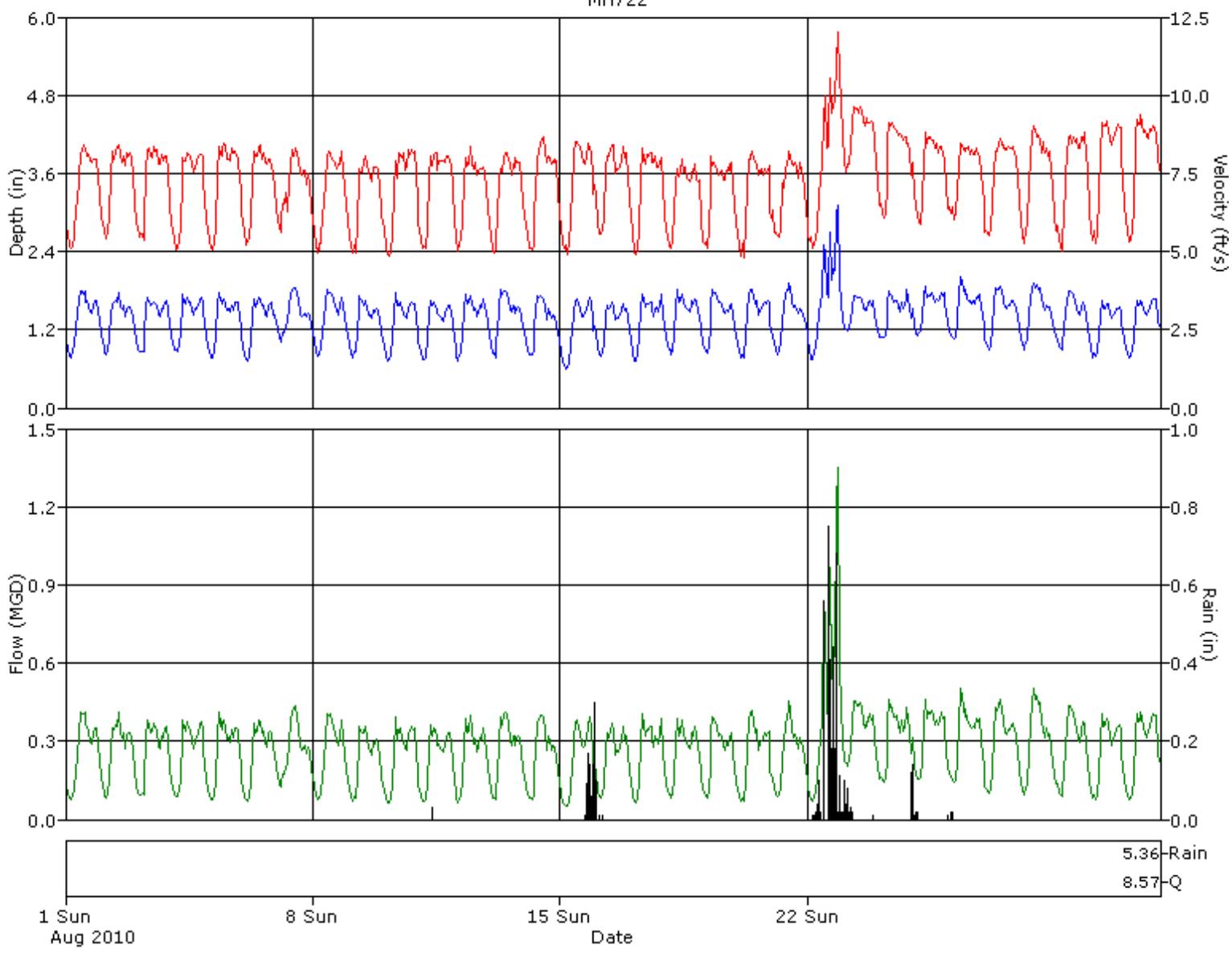
Flow Monitor
MH722



Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH722

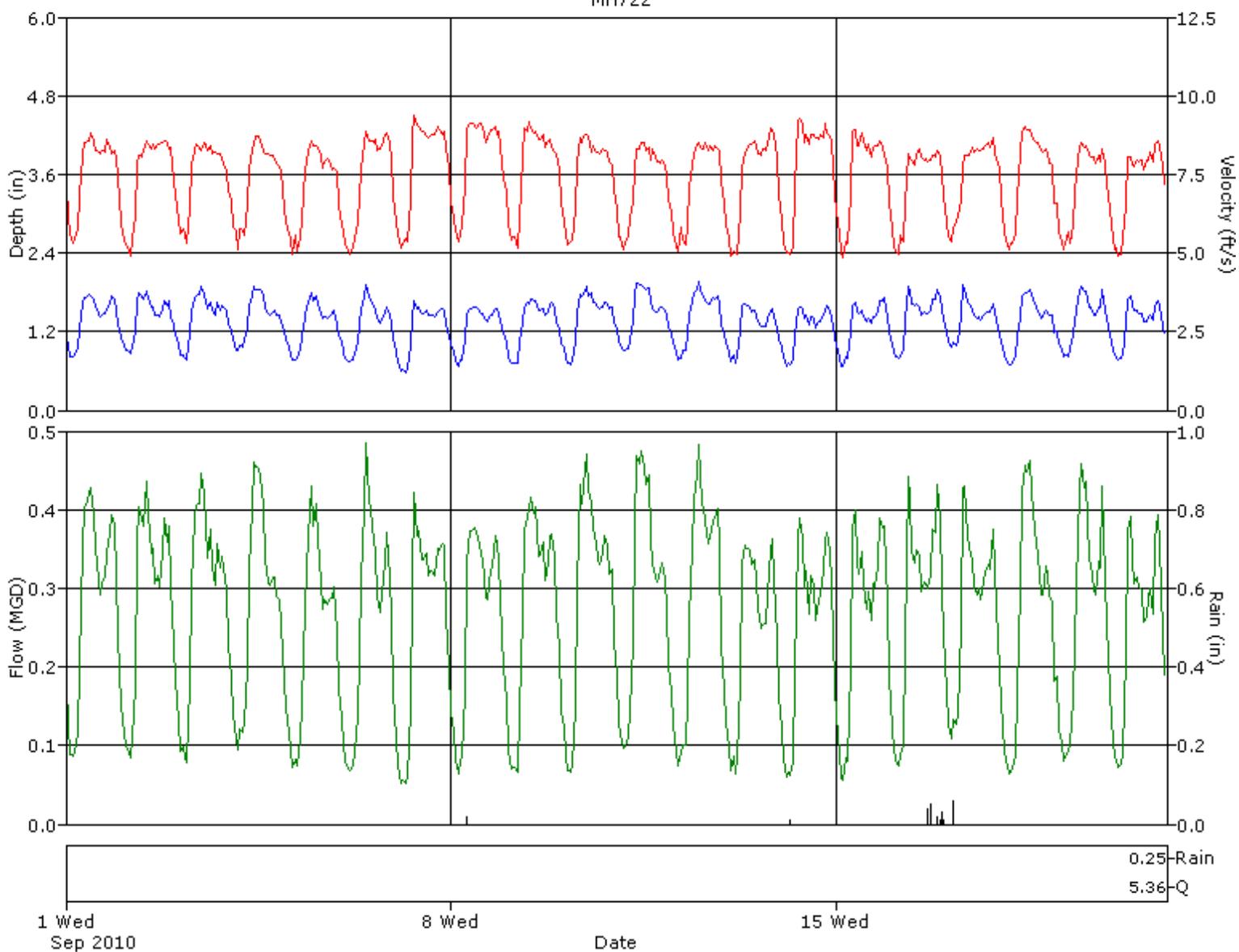
Flow Monitor
MH722

Nominal Diameter
12-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:00	1.48	23:30	2.94	2.02	03:30	8.56	23:15	11.65	10.05	03:30	0.330	23:30	1.175	0.613	0.613	1.18
3/23/2010	23:45	2.36	01:30	3.15	2.71	13:45	10.66	01:15	11.80	11.22	23:45	0.810	01:30	1.317	1.021	1.021	0.83
3/24/2010	02:30	2.08	09:00	2.69	2.40	19:00	10.21	08:45	11.52	10.81	02:30	0.644	09:00	1.033	0.830	0.830	
3/25/2010	03:30	1.87	21:00	2.62	2.25	02:00	9.54	07:45	11.07	10.41	04:45	0.520	07:45	0.932	0.729	0.729	0.01
3/26/2010	01:00	1.85	08:15	2.55	2.19	02:30	9.39	08:30	11.11	10.28	01:00	0.499	08:15	0.921	0.692	0.692	0.26
3/27/2010	06:30	1.64	11:15	2.50	2.10	03:15	8.90	10:15	11.00	9.92	06:30	0.402	10:15	0.855	0.632	0.632	
3/28/2010	05:45	1.57	13:45	2.43	2.01	04:15	8.49	10:45	10.58	9.65	05:45	0.350	11:45	0.803	0.578	0.578	0.10
3/29/2010	00:15	1.95	08:45	2.97	2.58	00:15	9.42	06:45	11.44	10.77	00:15	0.535	08:45	1.160	0.917	0.917	1.51
3/30/2010	03:00	2.12	11:00	3.82	2.97	04:15	10.14	11:15	11.71	11.03	03:00	0.656	11:00	1.709	1.159	1.159	1.34
3/31/2010	23:45	2.26	09:00	3.02	2.69	18:45	10.55	04:45	11.67	11.18	23:45	0.775	09:00	1.206	1.009	1.009	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			8.180	5.29
Report Avg	2.39	10.53	0.818	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010	04:45	2.10	10:45	2.69	2.38	03:45	10.02	12:00	11.44	10.79	03:30	0.659	12:00	1.024	0.818	0.818	
4/2/2010	04:00	1.86	11:15	2.60	2.21	05:00	9.50	10:45	11.18	10.35	04:00	0.514	11:15	0.958	0.704	0.704	
4/3/2010	03:45	1.59	12:30	2.48	2.03	05:30	9.13	11:00	10.85	10.02	03:45	0.397	11:00	0.862	0.610	0.610	
4/4/2010	03:45	1.48	11:00	2.31	1.88	04:00	8.60	10:00	10.70	9.60	03:45	0.339	12:00	0.748	0.522	0.522	
4/5/2010	05:15	1.37	21:00	2.31	1.85	05:00	8.27	12:00	10.26	9.40	05:00	0.289	21:00	0.731	0.502	0.502	
4/6/2010	04:15	1.26	08:00	2.21	1.77	04:00	7.85	08:00	10.10	9.21	04:15	0.235	08:00	0.685	0.461	0.461	
4/7/2010	05:00	1.30	08:15	2.14	1.69	03:15	7.85	20:15	9.95	9.09	03:15	0.252	08:15	0.626	0.426	0.426	
4/8/2010	03:15	1.26	07:45	2.09	1.65	02:45	7.63	07:45	10.02	8.97	02:45	0.229	07:45	0.629	0.404	0.404	0.11
4/9/2010	02:45	1.17	08:15	2.14	1.60	03:15	7.67	08:15	9.87	8.95	02:45	0.210	08:15	0.639	0.388	0.388	0.30
4/10/2010	05:45	1.20	12:00	2.19	1.66	04:15	7.74	10:15	10.25	9.01	05:45	0.219	11:30	0.675	0.412	0.412	
4/11/2010	06:30	1.09	12:00	2.09	1.57	05:15	7.74	10:00	9.95	8.92	06:30	0.193	12:00	0.618	0.377	0.377	
4/12/2010	04:00	0.96	07:45	2.07	1.53	03:15	7.67	07:30	10.02	8.94	04:00	0.157	07:45	0.611	0.363	0.363	
4/13/2010	01:45	1.07	07:45	1.92	1.57	02:00	7.72	08:15	9.76	8.84	01:45	0.190	08:15	0.537	0.370	0.370	
4/14/2010	03:15	1.02	08:30	2.01	1.50	03:00	7.67	17:30	9.91	8.74	03:15	0.174	08:30	0.585	0.349	0.309	
4/15/2010	04:00	0.97	08:15	1.96	1.49	02:15	7.97	07:30	10.04	8.98	04:00	0.167	08:45	0.563	0.351	0.351	0.03
4/16/2010	04:30	0.98	07:30	1.92	1.49	03:45	7.71	10:15	9.84	8.96	04:00	0.166	07:30	0.540	0.353	0.353	0.22
4/17/2010	03:45	1.01	12:15	2.05	1.57	05:00	7.67	11:45	10.19	8.97	03:45	0.171	11:45	0.603	0.380	0.380	0.06
4/18/2010	03:15	0.94	11:30	2.03	1.52	06:30	7.59	10:45	10.15	8.83	03:15	0.151	12:15	0.599	0.359	0.359	
4/19/2010	04:45	0.92	20:15	1.96	1.51	04:15	7.42	07:15	10.30	8.85	04:45	0.143	08:30	0.559	0.358	0.358	
4/20/2010	04:00	1.05	07:30	2.04	1.59	03:15	7.40	07:30	10.01	8.95	04:00	0.181	07:30	0.607	0.387	0.387	
4/21/2010	05:00	1.06	07:45	2.12	1.58	04:45	7.58	07:45	10.28	8.93	05:00	0.178	07:45	0.660	0.381	0.381	0.05
4/22/2010	02:45	1.04	07:30	2.10	1.60	01:15	7.47	08:00	9.80	8.77	01:15	0.176	07:30	0.614	0.382	0.382	0.01
4/23/2010	03:45	1.01	08:00	2.08	1.62	03:45	7.08	07:45	9.76	8.75	03:45	0.152	07:45	0.601	0.391	0.391	
4/24/2010	05:00	0.97	12:00	2.15	1.62	05:00	7.11	12:00	9.94	8.76	05:00	0.146	12:00	0.646	0.393	0.393	
4/25/2010	03:30	0.99	10:45	2.15	1.65	03:30	7.16	12:15	9.90	8.83	03:30	0.151	10:45	0.639	0.407	0.407	0.65
4/26/2010	02:45	1.16	20:15	2.32	1.74	02:45	7.61	19:45	10.24	9.02	02:45	0.203	20:15	0.735	0.446	0.446	0.88
4/27/2010	04:00	1.33	07:45	2.27	1.79	04:00	8.11	08:00	10.19	9.13	04:00	0.262	08:00	0.713	0.461	0.461	0.06
4/28/2010	04:30	1.20	07:30	2.20	1.74	04:30	7.71	07:30	10.06	9.00	04:30	0.214	07:30	0.678	0.439	0.439	
4/29/2010	03:45	1.14	07:30	2.10	1.70	03:45	7.54	07:30	9.85	8.93	03:45	0.196	07:30	0.622	0.427	0.427	
4/30/2010	04:15	1.15	08:30	2.04	1.67	04:15	7.57	09:15	9.68	8.84	04:15	0.198	08:30	0.579	0.409	0.409	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			12.992	2.37
Report Avg	1.69	9.11	0.435	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	03:00	1.14	10:15	2.26	1.68	03:00	7.52	10:15	10.20	8.86	03:00	0.193	10:15	0.714	0.417	0.417	
5/2/2010	04:30	1.09	10:45	2.13	1.63	04:30	7.37	12:00	9.72	8.69	04:30	0.179	10:45	0.610	0.391	0.391	
5/3/2010	03:15	1.11	08:00	2.13	1.64	03:15	7.36	08:30	9.84	8.76	03:15	0.182	08:00	0.628	0.393	0.393	0.56
5/4/2010	02:30	1.10	08:30	2.06	1.61	02:30	7.39	08:00	9.72	8.70	02:30	0.181	08:30	0.583	0.382	0.382	
5/5/2010	04:00	1.07	08:30	2.03	1.59	02:00	7.31	08:15	9.72	8.61	04:00	0.172	08:30	0.567	0.372	0.372	0.01
5/6/2010	03:15	1.09	08:30	2.14	1.65	03:15	7.36	08:30	9.92	8.72	03:15	0.178	08:30	0.641	0.396	0.396	
5/7/2010	03:00	1.00	08:00	2.05	1.63	03:00	7.03	20:30	9.70	8.69	03:00	0.151	20:30	0.586	0.393	0.393	
5/8/2010	04:15	1.01	10:30	2.22	1.69	04:15	6.96	10:30	10.11	8.83	04:15	0.150	10:30	0.692	0.425	0.425	0.14
5/9/2010	06:15	0.99	12:30	2.15	1.60	06:15	6.98	12:30	9.95	8.67	06:15	0.147	12:30	0.649	0.382	0.382	
5/10/2010	03:45	0.93	12:30	1.94	1.53	03:45	6.71	12:30	9.51	8.40	03:45	0.128	12:30	0.536	0.347	0.347	
5/11/2010	04:00	0.94	08:45	2.03	1.56	04:00	6.77	08:15	9.63	8.48	04:00	0.131	08:30	0.556	0.358	0.358	
5/12/2010	02:00	0.97	08:00	2.00	1.55	02:00	6.88	21:15	9.55	8.50	02:00	0.140	21:15	0.546	0.355	0.355	0.46
5/13/2010	03:45	0.89	08:15	1.99	1.52	02:30	7.02	08:15	9.61	8.45	03:30	0.129	08:15	0.562	0.347	0.347	
5/14/2010	03:15	0.93	08:30	2.11	1.57	05:00	6.92	08:30	9.76	8.50	03:15	0.133	08:30	0.619	0.364	0.364	0.14
5/15/2010	03:30	0.93	09:30	2.11	1.59	02:30	6.88	09:30	9.87	8.59	03:30	0.135	09:30	0.629	0.379	0.379	
5/16/2010	04:45	0.90	12:30	2.04	1.58	04:15	6.92	12:30	9.72	8.59	04:45	0.133	12:30	0.590	0.375	0.375	
5/17/2010	04:45	0.89	08:30	2.09	1.52	05:45	6.97	08:30	9.81	8.49	04:45	0.125	08:30	0.613	0.348	0.348	
5/18/2010	03:00	0.85	17:15	2.04	1.53	01:30	6.92	19:45	9.68	8.46	03:00	0.118	19:45	0.579	0.353	0.353	0.81
5/19/2010	04:30	0.91	08:30	1.94	1.50	04:30	6.85	12:15	9.50	8.47	04:30	0.128	08:30	0.519	0.338	0.338	0.02
5/20/2010	04:45	0.88	08:15	1.98	1.48	03:15	6.95	07:30	9.72	8.46	04:45	0.123	08:15	0.552	0.332	0.332	
5/21/2010	03:15	0.90	08:00	2.02	1.49	02:45	6.98	08:30	9.54	8.50	03:15	0.129	08:00	0.563	0.336	0.336	
5/22/2010	04:00	0.88	11:30	2.03	1.50	03:00	7.00	10:15	9.72	8.46	04:00	0.125	11:30	0.571	0.342	0.342	
5/23/2010	05:30	0.94	12:30	1.88	1.48	04:45	6.93	10:45	9.50	8.40	05:30	0.137	12:30	0.500	0.331	0.331	
5/24/2010	05:15	0.81	09:15	1.85	1.45	01:30	6.93	07:45	9.50	8.35	05:15	0.114	09:15	0.492	0.317	0.317	0.03
5/25/2010	04:45	0.84	08:00	1.83	1.45	02:45	7.06	07:30	9.50	8.45	04:45	0.123	08:00	0.485	0.320	0.320	
5/26/2010	05:15	0.84	07:30	1.94	1.46	02:30	7.11	08:45	9.54	8.51	05:15	0.122	07:30	0.529	0.326	0.326	
5/27/2010	03:45	0.82	08:15	1.94	1.42	02:30	7.09	08:15	9.69	8.47	02:45	0.114	08:15	0.545	0.313	0.313	
5/28/2010	04:45	0.86	08:45	1.94	1.48	01:30	7.11	08:15	9.69	8.43	04:00	0.125	08:30	0.516	0.333	0.333	0.06
5/29/2010	03:15	0.84	12:00	2.10	1.49	06:30	7.07	12:00	9.84	8.47	03:15	0.119	12:00	0.620	0.343	0.343	0.04
5/30/2010	04:15	0.82	11:15	2.05	1.47	05:45	7.09	11:15	9.73	8.45	04:15	0.118	11:15	0.592	0.333	0.333	
5/31/2010	05:15	0.85	11:15	2.18	1.52	06:00	7.10	11:15	10.01	8.56	05:15	0.128	11:15	0.666	0.352	0.352	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			11.091	2.27
Report Avg	1.54	8.55	0.358	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	03:00	0.80	14:15	2.54	1.56	02:45	7.10	14:15	10.98	8.60	03:00	0.112	14:15	0.912	0.371	0.371	1.07
6/2/2010	02:30	0.84	08:45	1.95	1.47	04:45	6.46	07:45	9.54	8.21	02:30	0.112	08:45	0.527	0.320	0.320	
6/3/2010	04:00	0.83	08:15	1.97	1.50	03:15	6.46	07:30	9.50	8.20	04:00	0.110	08:15	0.533	0.329	0.329	
6/4/2010	03:00	0.85	07:30	2.00	1.53	02:45	6.46	07:30	9.13	7.96	03:00	0.111	07:30	0.536	0.331	0.331	
6/5/2010	04:45	0.86	10:45	2.12	1.61	06:30	6.77	10:00	9.01	7.95	05:15	0.125	10:45	0.554	0.353	0.353	0.19
6/6/2010	03:30	0.87	13:00	2.17	1.60	03:30	6.51	10:45	8.86	7.86	03:30	0.114	10:45	0.549	0.348	0.348	0.11
6/7/2010	04:15	0.88	07:30	2.02	1.56	04:15	6.45	09:15	8.56	7.77	04:15	0.113	09:15	0.507	0.329	0.329	
6/8/2010	04:00	0.80	20:45	2.04	1.52	04:15	6.43	18:45	8.90	7.90	04:00	0.099	20:45	0.509	0.326	0.326	
6/9/2010	02:30	0.81	21:15	2.08	1.50	03:00	6.29	19:00	9.27	8.00	02:30	0.097	21:15	0.552	0.323	0.323	0.57
6/10/2010	02:15	0.93	21:45	2.04	1.55	02:15	6.73	08:00	9.22	8.10	02:15	0.129	08:15	0.525	0.341	0.341	0.01
6/11/2010	03:00	0.95	08:15	2.02	1.59	03:00	6.79	10:30	8.83	7.94	03:00	0.133	09:00	0.510	0.347	0.347	
6/12/2010	04:00	0.96	14:15	2.14	1.64	04:00	6.84	14:00	8.83	7.91	04:00	0.137	14:15	0.569	0.358	0.358	0.01
6/13/2010	05:30	0.91	12:00	2.07	1.55	05:30	6.64	12:00	9.14	7.93	05:30	0.123	12:00	0.566	0.335	0.335	0.02
6/14/2010	04:15	0.87	07:45	2.02	1.45	04:00	6.37	08:15	9.29	7.96	04:00	0.111	07:45	0.538	0.304	0.304	
6/15/2010	02:15	0.89	08:15	1.97	1.50	02:15	6.40	08:30	9.24	7.95	02:15	0.115	08:30	0.529	0.317	0.317	
6/16/2010	03:45	0.81	20:00	1.96	1.50	03:15	6.46	08:00	8.86	7.78	03:45	0.101	08:00	0.496	0.314	0.314	
6/17/2010	04:00	0.90	07:30	1.99	1.55	04:00	6.60	07:00	8.69	7.83	04:00	0.121	08:15	0.499	0.328	0.328	0.16
6/18/2010	03:30	0.89	08:30	1.96	1.56	03:30	6.43	10:00	8.75	7.90	03:30	0.115	08:30	0.498	0.334	0.334	
6/19/2010	04:45	0.94	10:15	2.11	1.59	04:45	6.78	11:15	8.79	7.93	04:45	0.132	10:15	0.549	0.347	0.347	
6/20/2010	04:30	0.90	12:45	1.98	1.51	04:30	6.60	12:45	8.84	7.90	04:30	0.121	12:45	0.511	0.320	0.320	
6/21/2010	03:15	0.79	08:15	1.85	1.41	04:45	6.31	21:15	9.13	7.92	03:15	0.095	08:15	0.464	0.291	0.291	
6/22/2010	04:15	0.80	21:30	2.35	1.48	03:00	6.32	21:30	9.50	8.03	04:15	0.099	21:30	0.705	0.319	0.319	0.71
6/23/2010	04:15	0.74	21:45	1.83	1.41	04:30	6.30	10:30	9.20	7.98	04:15	0.088	08:30	0.463	0.296	0.296	0.01
6/24/2010	03:15	0.65	08:30	1.96	1.44	04:45	6.27	08:30	8.79	7.74	03:15	0.071	08:30	0.502	0.297	0.297	0.17
6/25/2010	04:30	0.70	11:00	1.96	1.45	03:30	6.26	20:45	8.79	7.73	04:30	0.083	13:30	0.469	0.298	0.298	
6/26/2010	05:15	0.61	11:00	2.12	1.41	06:00	6.31	09:30	8.68	7.64	05:00	0.070	11:00	0.554	0.287	0.287	
6/27/2010	05:00	0.63	13:45	1.91	1.36	03:15	6.06	11:30	8.79	7.59	05:00	0.066	13:00	0.467	0.271	0.271	0.02
6/28/2010	03:45	0.57	08:45	1.75	1.34	05:15	6.04	08:45	8.90	7.72	03:45	0.056	08:45	0.430	0.267	0.267	0.01
6/29/2010	04:45	0.65	08:30	1.84	1.34	03:15	6.03	08:30	9.01	7.68	04:45	0.070	08:30	0.469	0.267	0.267	
6/30/2010	04:30	0.62	13:00	1.75	1.29	05:15	6.00	10:30	8.75	7.76	04:30	0.065	20:00	0.414	0.257	0.257	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			9.525	3.06
Report Avg	1.49	7.91	0.317	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	05:00	0.55	13:30	1.75	1.31	05:30	5.54	11:30	9.07	7.69	05:00	0.050	08:15	0.419	0.262	0.262	
7/2/2010	04:45	0.56	16:15	1.88	1.29	03:30	5.47	10:45	9.05	7.75	04:45	0.050	10:45	0.403	0.260	0.260	
7/3/2010	03:30	0.63	10:15	1.81	1.22	06:30	5.57	10:15	9.61	7.53	03:30	0.061	10:15	0.488	0.233	0.233	
7/4/2010	05:00	0.44	12:45	1.61	1.11	05:15	5.21	12:45	9.13	7.21	05:00	0.035	12:45	0.390	0.195	0.195	
7/5/2010	04:15	0.53	10:30	1.85	1.20	05:30	5.40	10:30	9.31	7.33	04:15	0.047	10:30	0.487	0.226	0.226	
7/6/2010	04:00	0.47	09:00	1.67	1.25	03:45	4.99	08:45	9.05	7.52	04:00	0.036	08:45	0.408	0.245	0.245	
7/7/2010	04:00	0.61	08:15	1.67	1.25	04:00	5.51	08:15	9.09	7.64	04:00	0.056	08:15	0.411	0.243	0.243	
7/8/2010	04:00	0.50	08:45	1.74	1.25	03:45	5.14	15:45	9.24	7.70	04:00	0.041	08:45	0.442	0.247	0.247	
7/9/2010	03:45	0.63	11:45	1.70	1.29	03:45	5.47	08:00	8.90	7.65	03:45	0.059	11:45	0.413	0.253	0.253	0.09
7/10/2010	04:45	0.58	12:15	2.08	1.33	04:45	5.49	10:00	8.90	7.39	04:45	0.052	12:15	0.524	0.261	0.261	
7/11/2010	04:15	0.54	14:00	2.05	1.33	04:45	5.44	18:30	8.27	6.98	04:15	0.047	14:00	0.497	0.247	0.247	
7/12/2010	05:00	0.52	08:15	1.85	1.32	05:15	4.91	08:15	8.41	7.02	05:00	0.040	08:15	0.442	0.242	0.242	0.01
7/13/2010	03:15	0.67	20:00	2.61	1.47	03:00	4.89	20:00	9.41	7.01	03:15	0.063	20:00	0.812	0.285	0.285	0.70
7/14/2010	04:15	0.72	08:00	1.93	1.42	04:15	5.03	13:00	8.56	7.23	04:15	0.065	08:00	0.458	0.276	0.276	0.36
7/15/2010	03:45	0.64	08:30	1.85	1.38	03:45	5.14	12:00	8.60	7.29	03:45	0.056	08:30	0.433	0.268	0.268	
7/16/2010	04:45	0.66	09:45	1.87	1.38	04:45	5.06	09:45	8.56	7.26	04:45	0.059	09:45	0.456	0.265	0.265	
7/17/2010	04:15	0.88	10:45	2.03	1.45	05:15	5.10	10:30	8.49	7.19	04:45	0.096	10:45	0.508	0.278	0.278	
7/18/2010	04:30	0.76	12:45	1.84	1.37	05:45	5.47	12:45	8.60	7.10	04:30	0.080	12:45	0.449	0.258	0.258	
7/19/2010	03:15	0.63	20:30	2.06	1.39	05:00	4.73	20:30	8.60	6.99	03:15	0.052	20:30	0.528	0.262	0.262	0.41
7/20/2010	03:00	0.75	08:15	2.00	1.42	03:00	5.03	08:00	8.49	7.06	03:00	0.070	08:15	0.495	0.269	0.269	
7/21/2010	03:15	0.70	20:15	2.00	1.41	03:30	4.91	20:15	9.01	7.31	03:45	0.063	20:15	0.531	0.279	0.279	1.20
7/22/2010	04:00	0.58	11:15	1.91	1.34	04:15	5.10	11:15	9.05	7.52	04:00	0.049	11:15	0.499	0.267	0.267	
7/23/2010	04:15	0.67	11:30	1.88	1.40	04:15	5.14	08:45	8.71	7.18	04:15	0.061	11:15	0.459	0.267	0.267	0.15
7/24/2010	04:15	0.85	12:45	2.07	1.50	05:15	4.65	11:30	8.45	7.02	04:15	0.082	12:45	0.520	0.291	0.291	0.01
7/25/2010	05:00	0.82	00:45	2.09	1.41	06:15	5.50	12:15	8.83	7.39	05:30	0.089	00:45	0.546	0.275	0.275	0.67
7/26/2010	04:30	0.76	09:15	1.94	1.36	05:15	4.86	12:30	8.83	7.33	03:30	0.072	09:15	0.495	0.260	0.260	
7/27/2010	05:00	0.74	22:15	1.94	1.40	04:45	5.29	11:45	8.83	7.37	05:00	0.074	22:15	0.456	0.274	0.274	
7/28/2010	04:00	0.87	19:45	2.04	1.51	05:00	4.69	09:00	8.23	6.98	03:30	0.088	08:45	0.469	0.288	0.288	
7/29/2010	04:45	0.86	08:30	2.06	1.51	03:45	4.65	11:15	8.29	7.02	05:00	0.083	08:30	0.495	0.289	0.289	0.14
7/30/2010	05:00	0.85	08:15	2.00	1.49	05:00	4.95	11:30	8.41	7.13	05:00	0.083	09:00	0.476	0.287	0.287	
7/31/2010	04:15	0.87	12:30	2.02	1.48	04:15	4.80	15:30	8.59	7.03	04:15	0.083	15:30	0.497	0.282	0.282	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			8.131	3.74
Report Avg	1.36	7.29	0.262	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
8/1/2010	03:30	0.72	13:15	1.90	1.40	05:30	4.73	10:45	8.60	7.10	03:30	0.067	10:45	0.448	0.265	0.265	
8/2/2010	04:30	0.74	12:45	1.86	1.36	04:30	5.25	11:45	8.60	7.31	04:30	0.072	12:45	0.447	0.260	0.260	
8/3/2010	02:30	0.74	07:30	1.80	1.37	02:30	5.06	12:00	8.73	7.27	02:30	0.069	07:30	0.430	0.262	0.262	
8/4/2010	04:30	0.84	20:00	1.82	1.40	03:15	4.89	12:00	8.46	7.12	04:30	0.081	11:45	0.409	0.265	0.265	
8/5/2010	03:15	0.68	08:00	1.79	1.38	03:15	4.88	13:15	8.64	7.27	03:15	0.059	08:45	0.411	0.266	0.266	
8/6/2010	04:15	0.65	11:15	1.80	1.35	04:00	5.10	11:15	8.60	7.21	04:15	0.060	11:15	0.433	0.256	0.256	
8/7/2010	03:15	0.97	12:30	2.00	1.42	02:00	5.32	12:30	8.68	7.14	02:00	0.111	12:30	0.510	0.266	0.266	
8/8/2010	03:45	0.74	13:30	1.88	1.37	04:00	4.80	20:30	8.71	6.91	04:00	0.066	20:30	0.456	0.253	0.253	
8/9/2010	03:45	0.72	08:30	1.76	1.34	03:30	4.73	07:30	8.33	6.90	03:45	0.062	08:15	0.390	0.240	0.240	
8/10/2010	03:30	0.65	08:15	1.91	1.33	05:15	4.74	08:30	8.56	7.07	03:30	0.056	08:30	0.468	0.247	0.247	
8/11/2010	03:30	0.68	11:15	1.78	1.31	03:45	4.80	11:15	8.83	7.16	03:30	0.060	11:15	0.438	0.242	0.242	0.03
8/12/2010	03:15	0.71	11:30	1.84	1.36	03:15	4.80	11:45	8.71	6.97	03:15	0.062	11:45	0.446	0.249	0.249	
8/13/2010	04:15	0.66	11:00	2.00	1.40	03:45	4.80	11:15	8.36	7.04	04:15	0.056	11:00	0.482	0.264	0.264	
8/14/2010	05:00	0.73	11:15	1.84	1.32	05:00	4.73	11:00	8.94	7.15	05:00	0.063	11:00	0.443	0.245	0.245	
8/15/2010	04:30	0.52	12:00	1.78	1.25	04:45	4.84	11:15	8.90	7.15	04:45	0.042	20:45	0.416	0.233	0.233	0.61
8/16/2010	04:15	0.72	11:15	1.71	1.32	04:00	5.32	10:15	8.84	7.37	04:15	0.071	11:15	0.409	0.249	0.249	0.42
8/17/2010	05:30	0.69	09:00	1.90	1.36	05:30	4.73	09:00	8.71	7.09	05:30	0.058	09:00	0.475	0.256	0.256	
8/18/2010	04:30	0.78	11:15	1.85	1.41	03:45	4.82	07:30	8.51	6.88	04:15	0.076	11:15	0.431	0.256	0.256	
8/19/2010	04:30	0.82	10:30	1.89	1.41	03:00	4.88	08:15	8.56	7.00	04:30	0.081	10:30	0.435	0.260	0.260	
8/20/2010	05:15	0.70	11:30	2.01	1.41	03:30	4.73	22:30	8.47	6.97	05:15	0.060	11:30	0.494	0.264	0.264	
8/21/2010	03:45	0.80	12:15	2.08	1.41	05:15	4.99	16:45	8.47	7.04	05:00	0.078	12:15	0.521	0.263	0.263	
8/22/2010	03:30	0.68	20:45	3.77	1.72	04:45	4.73	21:00	12.70	8.06	03:15	0.064	20:45	1.779	0.462	0.462	3.59
8/23/2010	04:45	1.12	12:00	1.86	1.49	02:45	7.26	12:00	9.84	8.83	04:45	0.189	12:00	0.521	0.346	0.346	0.35
8/24/2010	03:00	0.99	20:00	1.90	1.49	03:30	5.68	08:30	9.54	8.05	03:00	0.128	08:30	0.515	0.320	0.320	0.12
8/25/2010	03:45	1.06	09:30	1.96	1.57	04:00	5.57	09:30	9.24	7.78	03:00	0.142	09:30	0.526	0.333	0.333	0.19
8/26/2010	04:15	1.00	08:15	2.06	1.55	04:15	5.29	08:15	8.71	7.59	04:15	0.112	08:15	0.533	0.320	0.320	0.05
8/27/2010	04:30	0.85	09:15	1.94	1.48	05:30	4.95	11:15	8.79	7.54	05:30	0.085	10:00	0.482	0.301	0.301	
8/28/2010	03:15	0.87	12:30	2.01	1.46	03:30	5.06	10:45	9.35	7.51	03:15	0.092	10:45	0.553	0.299	0.299	
8/29/2010	04:45	0.81	10:45	1.87	1.39	04:45	4.73	20:00	9.01	7.45	04:45	0.073	11:15	0.468	0.275	0.275	
8/30/2010	04:45	0.73	09:15	1.75	1.32	04:45	4.76	08:45	9.42	7.85	04:45	0.063	09:30	0.434	0.269	0.269	
8/31/2010	04:15	0.72	08:15	1.76	1.36	04:15	5.03	08:15	9.54	7.95	04:15	0.066	08:15	0.466	0.285	0.285	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			8.570	5.36
Report Avg	1.40	7.35	0.276	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH722, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	03:30	0.78	20:30	1.88	1.42	03:30	5.10	11:00	9.01	7.64	03:30	0.076	10:30	0.465	0.288	0.288	
9/2/2010	04:45	0.84	11:15	1.95	1.42	04:30	4.67	19:30	8.98	7.48	04:30	0.082	11:15	0.489	0.285	0.285	
9/3/2010	04:00	0.68	11:30	1.92	1.42	05:30	5.03	12:45	8.79	7.48	04:15	0.067	12:45	0.469	0.284	0.284	
9/4/2010	03:45	0.87	13:15	1.97	1.41	03:45	4.95	11:45	8.98	7.32	03:45	0.086	12:15	0.480	0.276	0.276	
9/5/2010	04:15	0.68	11:30	1.86	1.31	05:30	4.76	11:45	8.83	7.12	02:45	0.062	11:30	0.455	0.243	0.243	
9/6/2010	03:45	0.62	11:45	1.95	1.29	03:15	4.86	20:30	9.27	7.31	03:45	0.053	11:45	0.500	0.250	0.250	
9/7/2010	02:30	0.51	08:45	1.76	1.25	02:15	4.90	08:00	9.54	7.86	02:30	0.040	08:45	0.455	0.258	0.258	
9/8/2010	03:00	0.65	08:15	1.65	1.28	03:45	5.17	10:15	9.42	7.99	03:00	0.060	08:15	0.411	0.264	0.264	0.02
9/9/2010	04:15	0.59	11:15	1.79	1.33	05:15	4.99	10:00	9.35	7.76	04:15	0.051	11:15	0.463	0.274	0.274	
9/10/2010	04:45	0.61	12:00	2.01	1.41	05:00	4.84	10:00	9.01	7.52	04:00	0.054	12:00	0.530	0.289	0.289	
9/11/2010	03:30	0.82	10:45	2.04	1.47	03:30	4.65	11:15	8.75	7.26	03:30	0.074	10:45	0.527	0.291	0.291	
9/12/2010	03:45	0.72	12:30	2.06	1.42	03:15	4.76	11:30	9.07	7.23	03:15	0.069	12:30	0.528	0.280	0.280	
9/13/2010	04:45	0.66	07:45	1.73	1.27	02:00	4.61	19:30	9.27	7.43	04:45	0.059	09:45	0.407	0.243	0.243	
9/14/2010	02:30	0.59	08:45	1.69	1.25	05:00	4.73	08:45	9.54	7.77	02:30	0.048	08:45	0.438	0.250	0.250	0.01
9/15/2010	02:30	0.59	21:00	1.84	1.30	03:00	4.63	08:00	9.16	7.53	02:30	0.049	19:45	0.446	0.257	0.257	
9/16/2010	04:15	0.75	20:30	2.09	1.42	03:30	4.86	12:00	8.58	7.23	03:30	0.072	20:30	0.511	0.277	0.277	0.16
9/17/2010	04:45	0.90	07:45	2.04	1.40	02:30	4.95	20:00	9.05	7.55	02:30	0.094	07:45	0.482	0.275	0.275	0.06
9/18/2010	03:45	0.63	11:00	1.89	1.33	03:45	4.90	10:15	9.16	7.47	03:45	0.052	10:15	0.493	0.266	0.266	
9/19/2010	03:00	0.73	11:15	2.00	1.38	03:00	4.90	20:45	8.91	7.14	03:00	0.066	11:15	0.523	0.265	0.265	
9/20/2010	05:00	0.73	08:15	1.84	1.32	03:30	4.85	19:00	8.75	7.23	03:00	0.066	20:15	0.437	0.249	0.249	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			5.363	0.25
Report Avg	1.36	7.47	0.268	

Site Commentary

Site Information

MH777	
Pipe Dimensions (in.)	Circular (8.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH777 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	0.99	0.52	0.009
Minimum	0.06	0.00	0.000
Maximum	6.25	1.67	0.147
Time of Minimum	5/4/2010 2:15 AM	8/22/2010 8:30 PM	8/22/2010 8:30 PM
Time of Maximum	8/22/2010 8:45 PM	4/1/2010 1:45 PM	8/22/2010 11:45 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

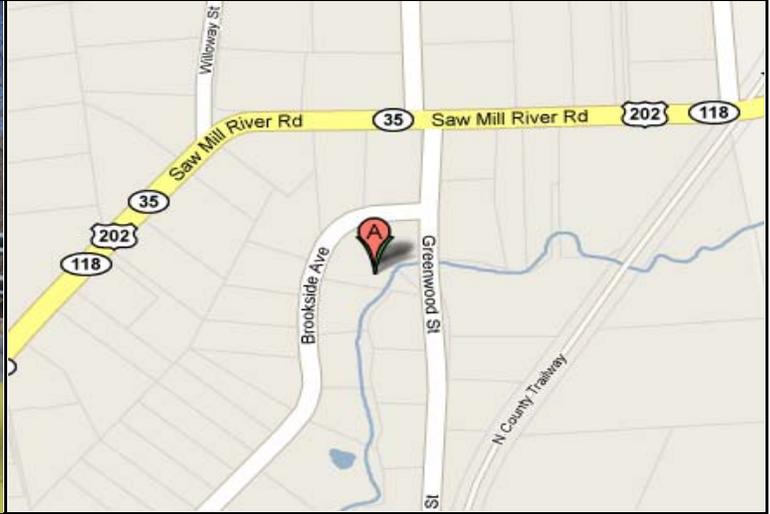
Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	87.44
Velocity (ft/s)	87.50
Quantity (MGD)	87.43

a division of ADS LLC.

Site Name:	YORKTOWN_MH 777	Meter Type:	4000	Monitor S/N:	1178	Manhole #:	308
Address / Location:	GREENWOOD STREET (NEAR WWTP)			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	8 Inches		
				Pipe Width:	8 Inches		
				Phone Number:	166.213.158.224		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 17, 2010	1:43 PM	Manhole Depth:	8 Feet	2 Inches
Site Hydraulics:	smooth shallow flow with decent velocity		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	Vitrified Clay Pipe	Fair
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	2 +/- 0.25		Access Pole #:	N/A	
Range (Air Dof):	4.25 +/- 0.25		Distance From Manhole:	N/A Feet	
Peak Velocity:	1.29 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 17' 3.8" W 73° 46' 29.4"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk				
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station				
Surcharge Height:		WWTP				
Rain Gauge Zone:	RG1	Other				

Additional Site Information / Comments:

PRESS SN 40283 ULTRA PO 1.75

SCATTERGRAPH REPORT

MH777

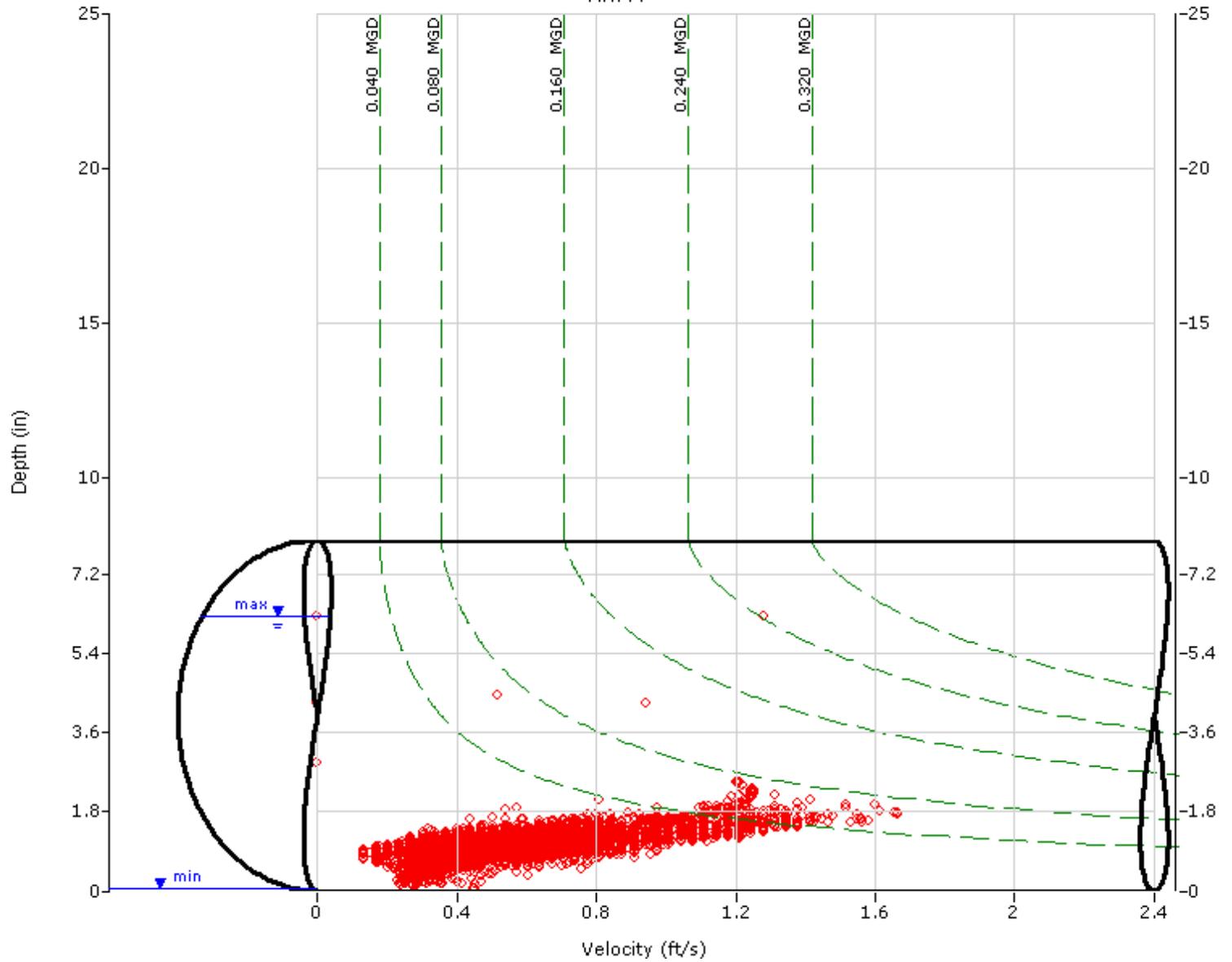
Flow Monitor
MH777

Nominal Diameter
8-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH777

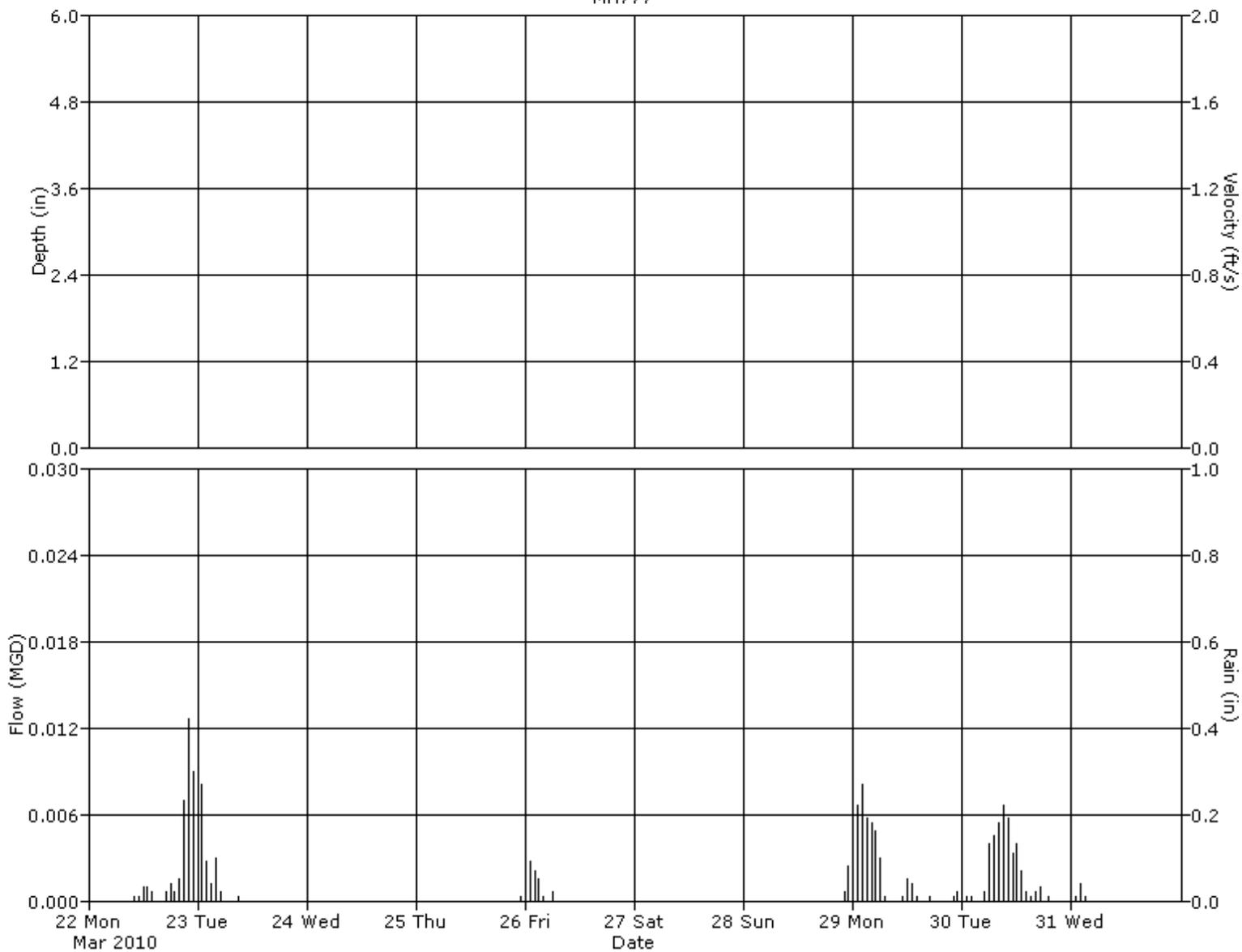
Flow Monitor
MH777

Nominal Diameter
8-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH777

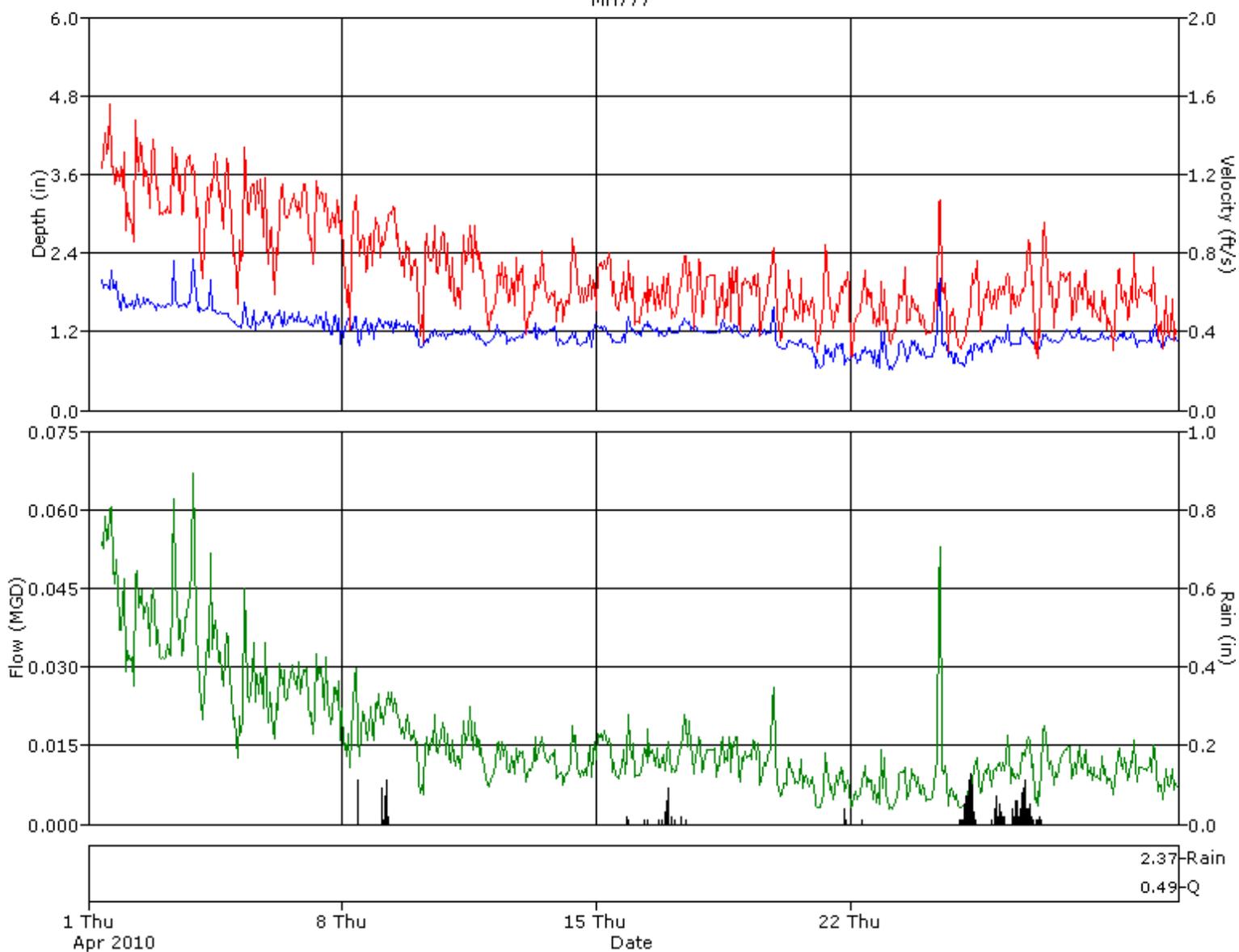
Flow Monitor
MH777

Nominal Diameter
8-in

Report Period
4/1/2010
To
4/30/2010

Legend

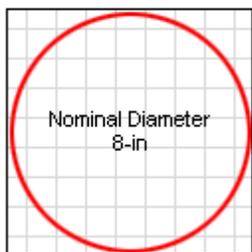
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

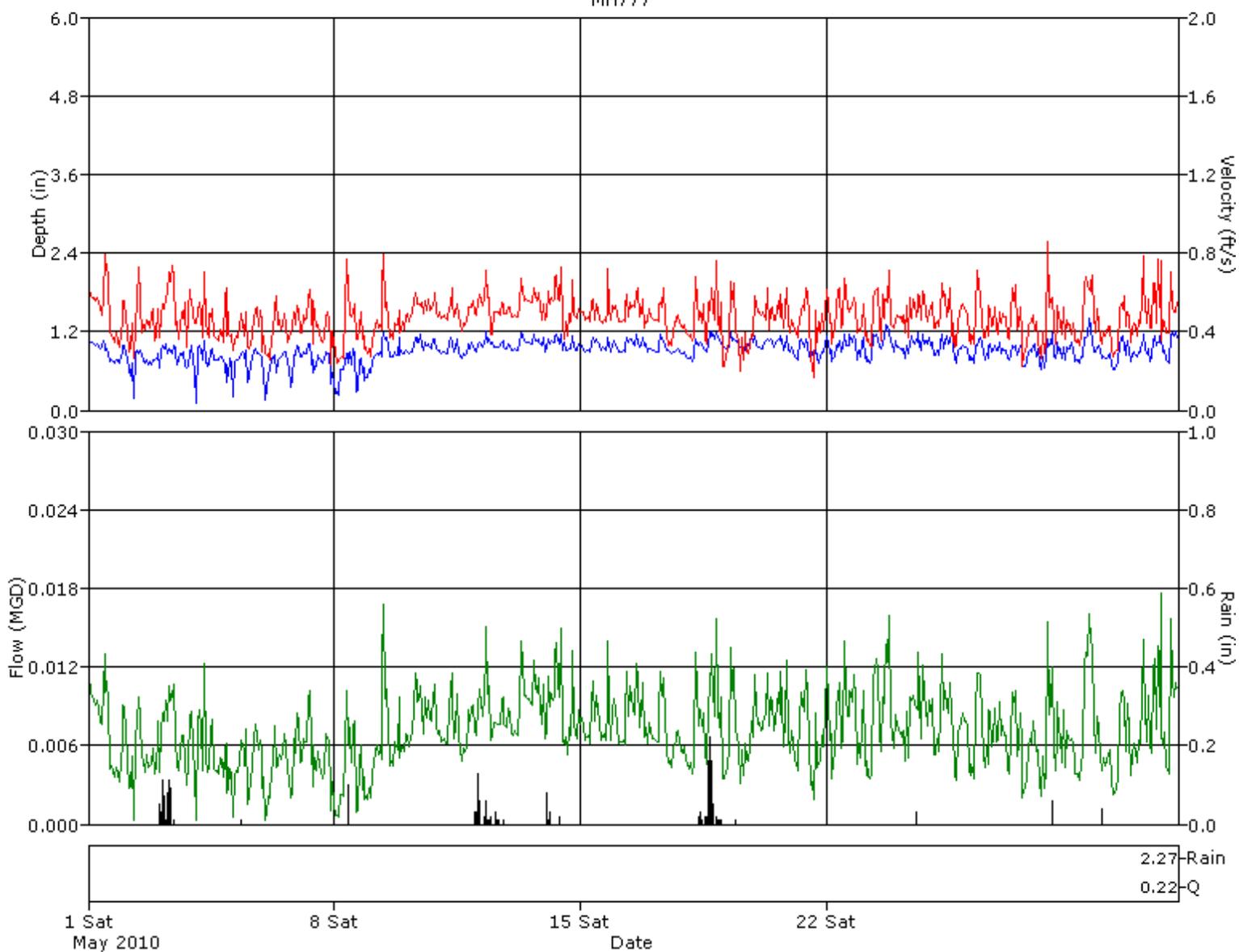
MH777

Flow Monitor
MH777



Report Period
5/1/2010
To
5/31/2010

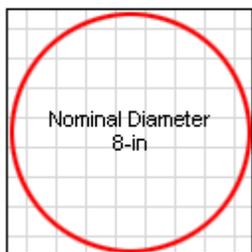
- Legend**
- Depth
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

MH777

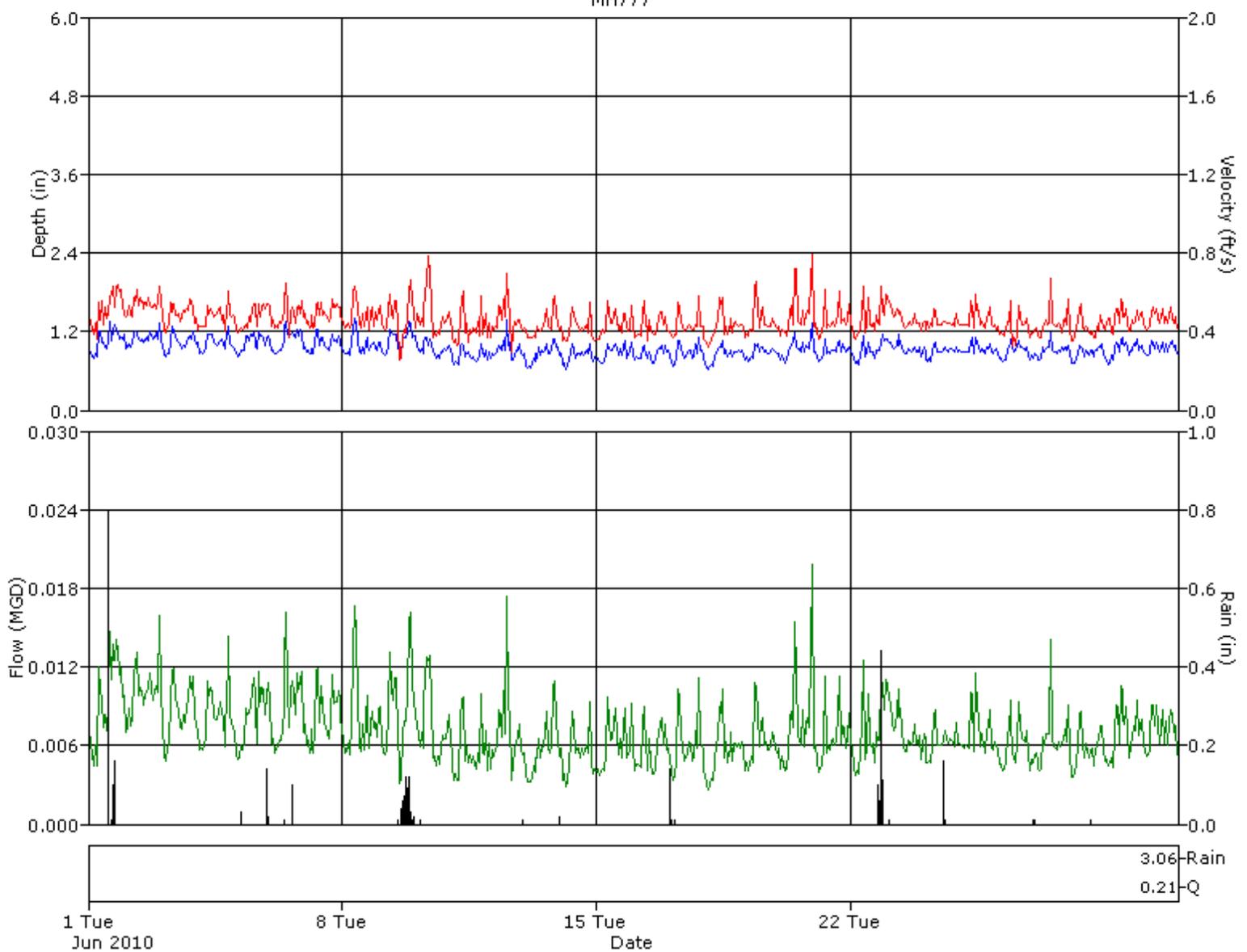
Flow Monitor
MH777



Report Period
6/1/2010
To
6/30/2010

Legend

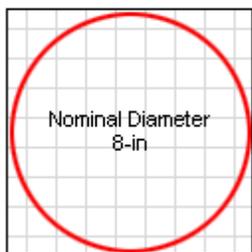
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH777

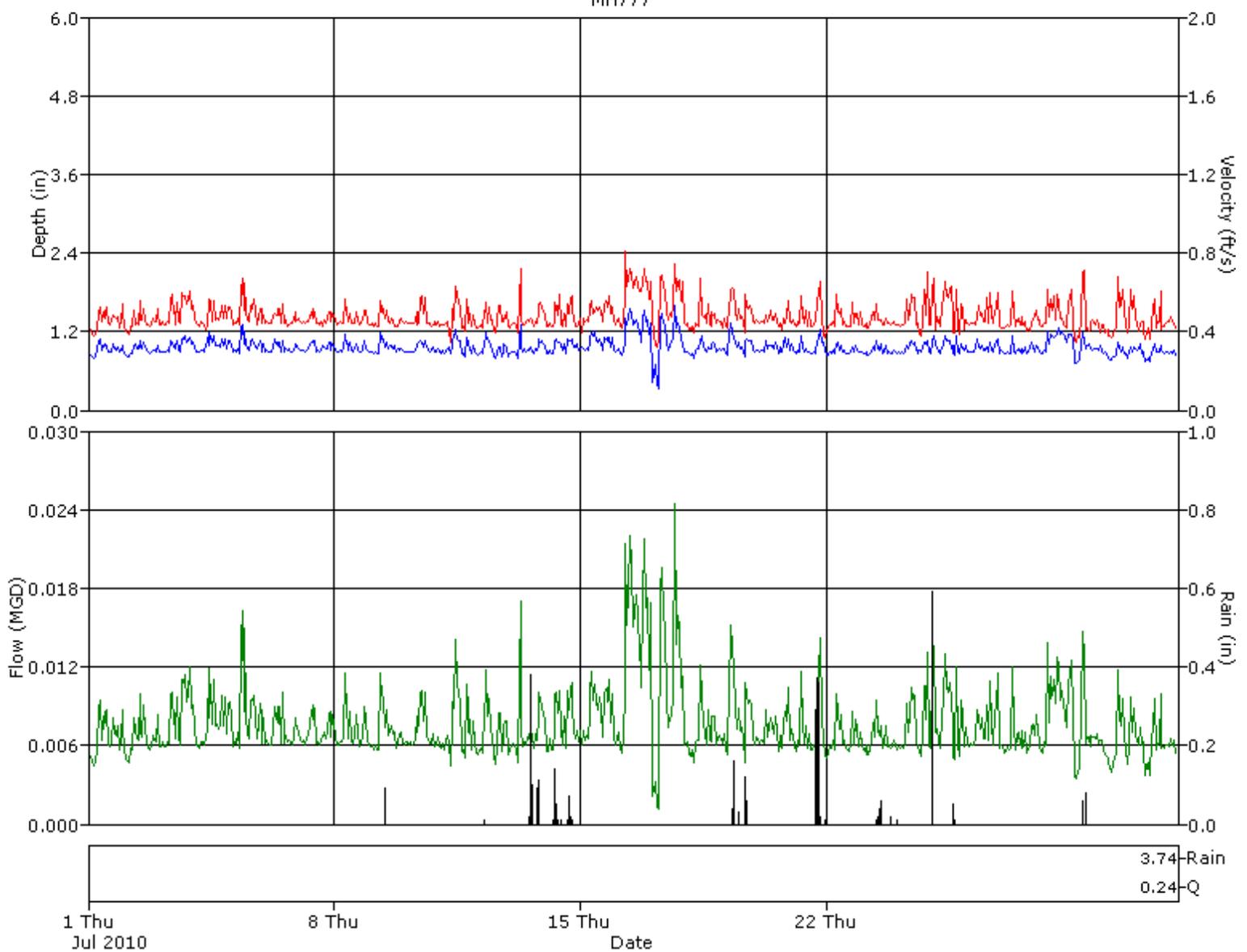
Flow Monitor
MH777



Report Period
7/1/2010
To
7/31/2010

Legend

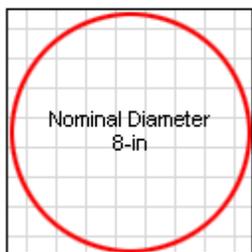
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

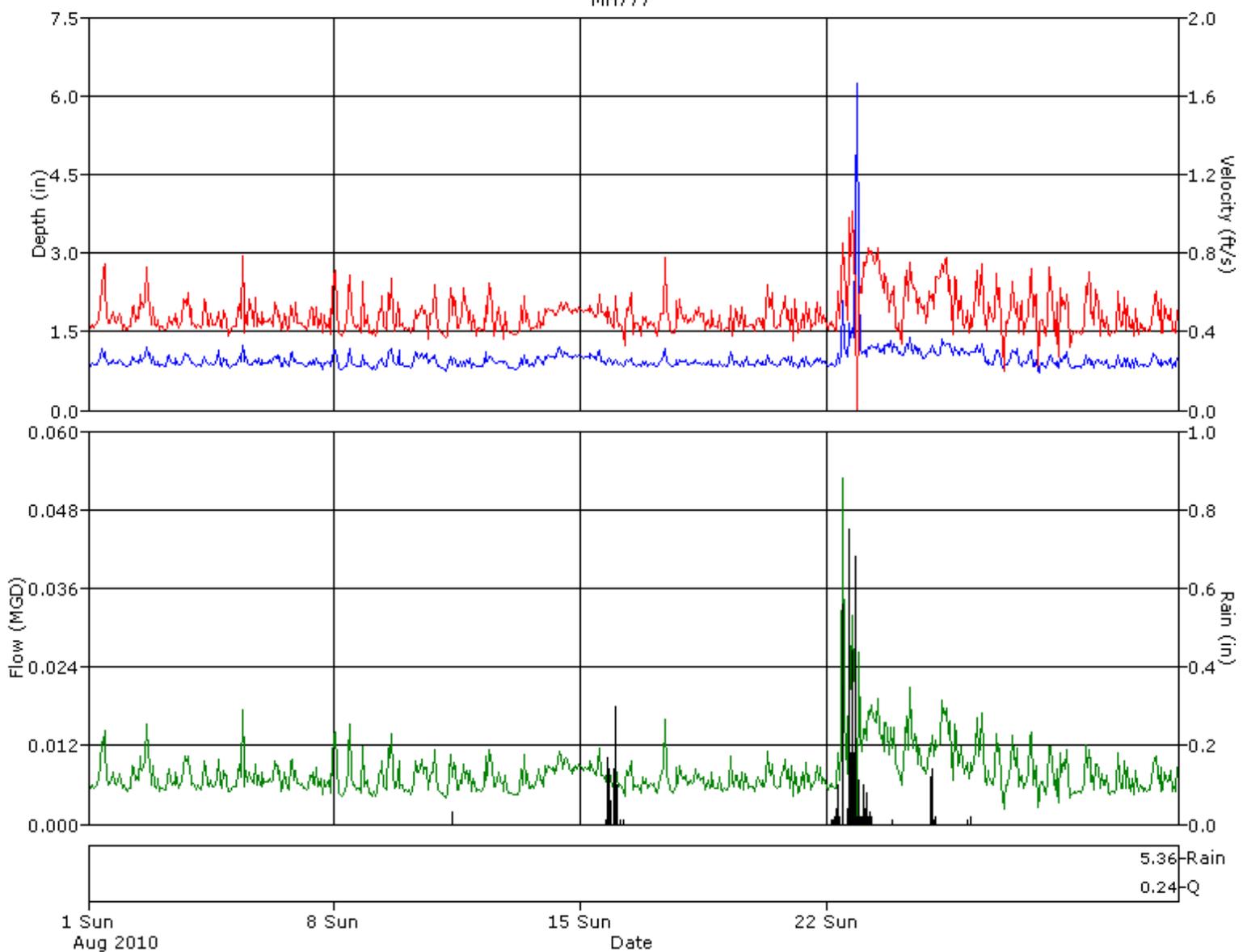
MH777

Flow Monitor
MH777



Report Period
8/1/2010
To
8/31/2010

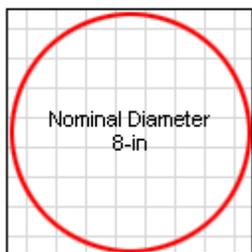
- Legend**
- Depth
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

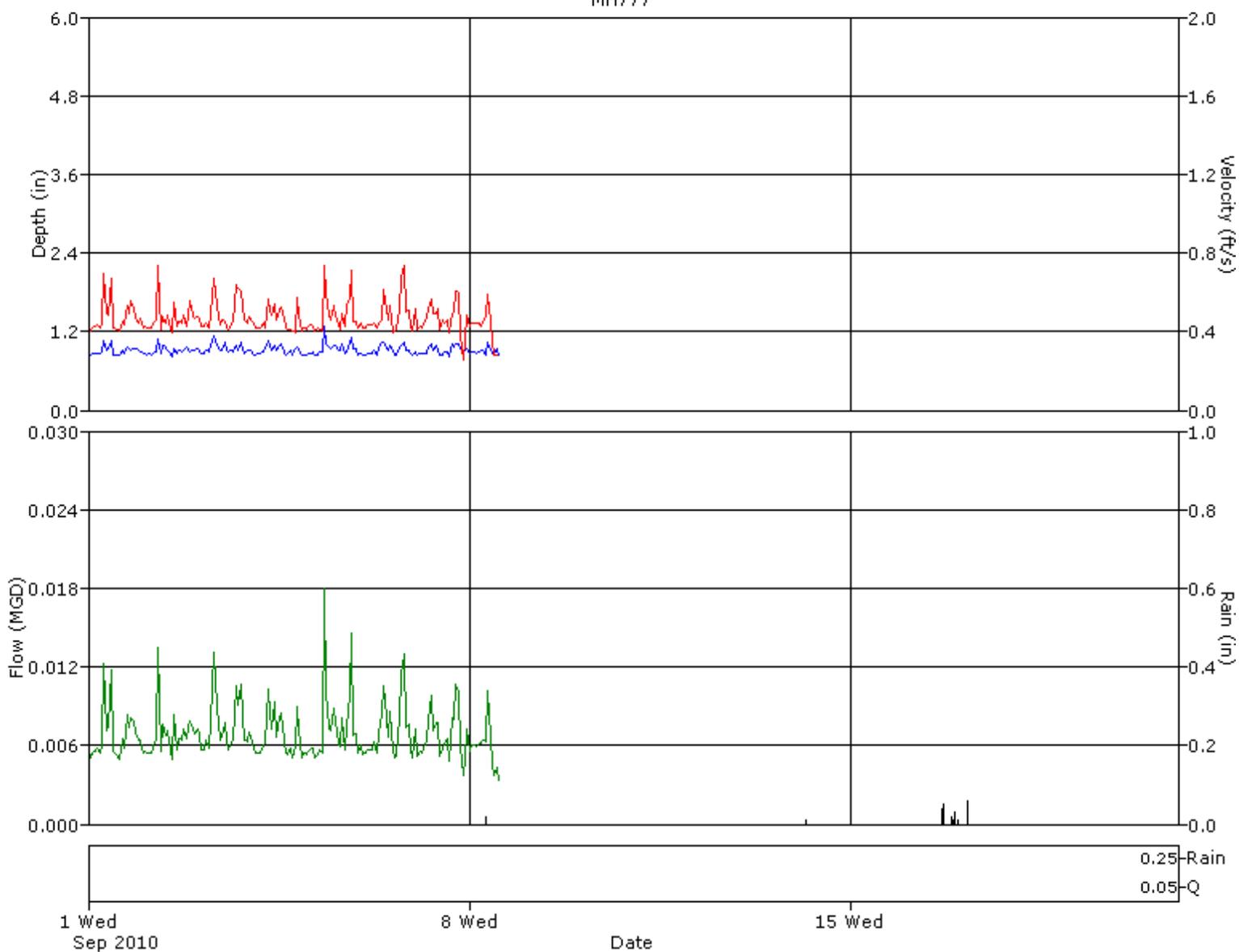
MH777

Flow Monitor
MH777



Report Period
9/1/2010
To
9/20/2010

- Legend**
- Depth
 - Velocity
 - Quantity
 - Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010																	1.18
3/23/2010																	0.83
3/24/2010																	
3/25/2010																	0.01
3/26/2010																	0.26
3/27/2010																	
3/28/2010																	0.10
3/29/2010																	1.51
3/30/2010																	1.34
3/31/2010																	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	5.29
Report Avg	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	21:45	1.44	15:15	2.27	1.85	23:15	1.08	13:45	1.67	1.26	22:00	0.033	12:15	0.069	0.050	0.030	
4/2/2010	21:15	1.48	00:15	1.89	1.63	06:45	0.80	10:15	1.58	1.16	06:00	0.024	08:00	0.061	0.039	0.039	
4/3/2010	13:30	1.46	09:00	2.49	1.71	23:00	0.77	07:30	1.56	1.14	23:30	0.024	09:00	0.073	0.041	0.041	
4/4/2010	23:45	1.31	09:15	2.14	1.52	02:45	0.64	21:15	1.38	1.05	01:30	0.019	09:15	0.061	0.032	0.032	
4/5/2010	14:30	1.13	07:15	1.72	1.36	03:00	0.54	07:15	1.39	0.98	03:45	0.012	07:15	0.050	0.025	0.025	
4/6/2010	01:00	1.12	14:45	1.59	1.39	03:00	0.54	08:15	1.28	0.99	02:15	0.014	22:30	0.038	0.026	0.026	
4/7/2010	22:45	0.83	07:00	1.64	1.31	06:00	0.67	00:00	1.21	0.98	22:45	0.010	07:00	0.040	0.024	0.024	
4/8/2010	10:00	0.83	19:45	1.55	1.26	03:00	0.37	09:45	1.21	0.82	03:00	0.007	09:15	0.034	0.019	0.019	0.11
4/9/2010	10:45	1.10	08:00	1.46	1.30	21:00	0.59	07:30	1.12	0.86	21:00	0.012	06:45	0.029	0.021	0.021	0.30
4/10/2010	04:15	0.95	01:30	1.33	1.11	03:30	0.27	13:15	1.04	0.71	03:30	0.004	13:15	0.025	0.014	0.014	
4/11/2010	23:30	0.96	02:15	1.35	1.15	23:45	0.29	13:00	1.04	0.73	23:45	0.004	12:45	0.025	0.015	0.015	
4/12/2010	13:15	0.99	06:15	1.38	1.12	03:00	0.24	12:30	0.84	0.62	03:00	0.004	07:45	0.019	0.012	0.012	
4/13/2010	22:15	0.92	11:00	1.41	1.19	03:30	0.30	11:00	0.84	0.58	03:30	0.006	11:00	0.023	0.012	0.012	
4/14/2010	20:30	0.93	23:45	1.33	1.08	02:00	0.40	08:00	0.98	0.61	02:00	0.007	09:15	0.023	0.011	0.011	
4/15/2010	16:30	1.00	21:00	1.47	1.17	13:15	0.40	07:15	0.86	0.65	13:15	0.007	21:00	0.022	0.014	0.014	0.03
4/16/2010	21:00	1.11	10:30	1.49	1.22	03:45	0.40	10:30	0.88	0.57	03:45	0.008	10:30	0.025	0.012	0.012	0.22
4/17/2010	21:15	1.17	13:30	1.50	1.25	16:45	0.33	13:45	0.95	0.60	16:45	0.007	13:30	0.028	0.014	0.014	0.06
4/18/2010	23:00	1.14	20:15	1.51	1.23	23:00	0.32	21:00	0.88	0.60	23:00	0.006	20:15	0.025	0.013	0.013	
4/19/2010	23:00	0.91	21:30	1.78	1.20	13:00	0.33	21:30	0.89	0.62	23:00	0.006	21:30	0.033	0.013	0.013	
4/20/2010	23:15	0.74	09:15	1.11	0.99	02:15	0.29	08:00	0.81	0.52	02:15	0.004	08:00	0.015	0.008	0.008	
4/21/2010	06:15	0.53	17:30	1.16	0.82	02:30	0.28	07:30	0.89	0.55	03:00	0.002	07:45	0.015	0.007	0.007	0.05
4/22/2010	15:30	0.54	20:15	1.40	0.86	01:15	0.24	09:15	0.79	0.51	15:30	0.003	20:30	0.019	0.007	0.007	0.01
4/23/2010	00:45	0.58	16:00	1.17	0.87	02:15	0.31	11:45	0.77	0.49	02:45	0.003	16:00	0.014	0.007	0.007	
4/24/2010	19:30	0.52	11:00	2.46	0.98	15:45	0.29	10:30	1.25	0.51	19:30	0.003	11:00	0.071	0.010	0.010	
4/25/2010	03:45	0.59	10:45	1.23	0.91	01:30	0.28	11:30	0.90	0.52	01:30	0.002	11:30	0.018	0.008	0.008	0.65
4/26/2010	09:00	0.93	08:00	1.50	1.09	09:30	0.40	21:15	0.98	0.62	10:00	0.006	07:30	0.021	0.012	0.012	0.88
4/27/2010	04:45	0.89	23:00	1.29	1.06	02:15	0.24	08:15	1.04	0.60	04:45	0.003	07:45	0.023	0.011	0.011	0.06
4/28/2010	19:15	1.03	00:00	1.33	1.12	02:00	0.34	01:45	0.76	0.57	02:00	0.006	01:15	0.017	0.011	0.011	
4/29/2010	21:15	0.89	09:45	1.28	1.10	01:45	0.24	19:30	0.91	0.55	01:45	0.005	19:15	0.020	0.010	0.010	
4/30/2010	14:30	0.88	09:00	1.39	1.08	14:30	0.25	08:00	0.88	0.50	14:30	0.003	09:00	0.021	0.009	0.009	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.487	2.37
Report Avg	1.19	0.71	0.016	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	17:45	0.62	10:30	1.20	0.91	18:15	0.28	11:00	0.94	0.52	18:15	0.003	11:00	0.016	0.008	0.008	
5/2/2010	07:00	0.12	12:15	1.05	0.77	04:15	0.20	10:15	0.77	0.46	07:00	0.000	10:15	0.012	0.006	0.006	
5/3/2010	00:30	0.37	10:00	1.13	0.86	19:00	0.23	10:45	0.91	0.52	00:30	0.001	10:30	0.016	0.007	0.007	0.56
5/4/2010	02:15	0.06	07:45	1.17	0.76	22:30	0.30	07:00	0.77	0.46	02:15	0.000	07:30	0.015	0.005	0.005	
5/5/2010	03:00	0.18	18:00	1.02	0.75	08:00	0.25	08:45	0.61	0.41	03:00	0.000	18:00	0.010	0.005	0.005	0.01
5/6/2010	01:30	0.13	07:15	1.05	0.70	16:30	0.22	08:15	0.77	0.41	01:30	0.000	07:15	0.013	0.004	0.004	
5/7/2010	22:00	0.22	06:30	1.08	0.78	22:30	0.21	07:45	0.75	0.44	22:00	0.000	07:45	0.012	0.005	0.005	
5/8/2010	02:30	0.14	11:00	1.02	0.61	22:45	0.22	10:15	0.81	0.41	02:30	0.000	08:15	0.013	0.004	0.004	0.14
5/9/2010	00:45	0.39	09:45	1.31	0.88	01:00	0.24	09:45	0.96	0.44	00:45	0.001	09:45	0.023	0.006	0.006	
5/10/2010	00:15	0.80	11:15	1.25	0.99	00:15	0.39	08:45	0.69	0.52	00:15	0.005	08:45	0.014	0.008	0.008	
5/11/2010	15:15	0.75	08:00	1.23	0.94	15:15	0.36	07:15	0.74	0.49	15:15	0.004	08:00	0.016	0.007	0.007	
5/12/2010	21:15	0.88	08:15	1.22	1.01	11:15	0.30	07:45	0.81	0.53	11:15	0.005	07:30	0.016	0.009	0.009	0.46
5/13/2010	22:45	0.88	08:15	1.33	1.04	22:15	0.35	08:15	0.76	0.55	22:45	0.005	08:15	0.019	0.010	0.010	
5/14/2010	00:45	0.79	07:30	1.23	1.01	13:15	0.27	11:00	0.88	0.53	15:15	0.004	11:15	0.018	0.009	0.009	0.14
5/15/2010	07:45	0.87	23:30	1.24	0.98	09:45	0.37	19:30	0.82	0.50	14:30	0.006	19:00	0.018	0.008	0.008	
5/16/2010	06:15	0.86	08:30	1.27	0.99	21:00	0.31	14:45	0.71	0.50	17:30	0.006	08:45	0.016	0.008	0.008	
5/17/2010	22:15	0.82	07:30	1.34	0.93	11:30	0.17	07:30	0.74	0.46	13:15	0.002	07:30	0.019	0.007	0.007	
5/18/2010	04:45	0.74	07:30	1.28	0.99	14:30	0.24	18:30	0.88	0.48	14:30	0.003	21:30	0.020	0.008	0.008	0.81
5/19/2010	16:15	0.88	23:30	1.22	1.01	02:15	0.13	00:15	0.81	0.38	18:30	0.002	07:15	0.017	0.007	0.007	0.02
5/20/2010	23:45	0.82	17:30	1.32	1.01	07:45	0.30	21:15	0.82	0.50	23:45	0.005	21:15	0.019	0.008	0.008	
5/21/2010	19:15	0.61	10:00	1.28	0.90	13:30	0.13	07:45	0.74	0.43	13:30	0.001	07:45	0.017	0.006	0.006	
5/22/2010	02:45	0.64	17:00	1.28	0.97	03:15	0.28	12:00	0.84	0.50	02:45	0.002	12:00	0.020	0.008	0.008	
5/23/2010	07:30	0.64	17:45	1.45	1.01	13:00	0.19	19:30	0.83	0.48	07:30	0.002	19:15	0.021	0.008	0.008	
5/24/2010	06:30	0.67	15:30	1.44	1.00	06:30	0.30	15:45	0.71	0.50	06:30	0.003	15:45	0.019	0.008	0.008	0.03
5/25/2010	18:00	0.66	06:45	1.26	0.97	14:45	0.20	09:00	0.71	0.48	18:00	0.003	07:30	0.016	0.008	0.008	
5/26/2010	14:15	0.64	09:15	1.23	0.91	14:15	0.28	07:30	0.74	0.46	14:15	0.002	06:45	0.016	0.007	0.007	
5/27/2010	14:45	0.63	08:30	1.08	0.88	14:45	0.17	07:45	0.81	0.44	14:45	0.001	08:00	0.014	0.006	0.006	
5/28/2010	04:00	0.56	10:00	1.25	0.89	04:00	0.23	07:15	0.88	0.44	04:00	0.002	07:45	0.019	0.006	0.006	0.06
5/29/2010	15:15	0.67	11:45	1.50	0.94	16:15	0.29	15:00	0.88	0.47	15:15	0.003	14:45	0.021	0.008	0.008	0.04
5/30/2010	05:45	0.52	10:15	1.23	0.87	04:15	0.23	11:15	0.67	0.43	04:15	0.002	14:30	0.013	0.006	0.006	
5/31/2010	16:45	0.55	22:45	1.40	1.00	13:00	0.30	12:30	0.98	0.54	16:30	0.003	12:30	0.024	0.009	0.009	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.222	2.27
Report Avg	0.91	0.47	0.007	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	03:45	0.71	19:00	1.43	1.07	06:45	0.30	13:45	0.77	0.52	03:45	0.003	13:45	0.020	0.010	0.010	1.07
6/2/2010	02:00	0.85	23:30	1.57	1.10	00:15	0.37	08:30	0.69	0.54	02:00	0.005	23:15	0.021	0.010	0.010	
6/3/2010	03:45	0.81	07:30	1.39	1.04	23:30	0.37	08:30	0.69	0.49	03:45	0.005	07:30	0.015	0.009	0.009	
6/4/2010	01:45	0.83	21:00	1.38	1.04	18:00	0.33	21:30	0.65	0.48	01:45	0.005	21:30	0.017	0.008	0.008	
6/5/2010	03:15	0.81	17:30	1.26	1.03	08:45	0.30	18:45	0.66	0.48	03:15	0.005	17:30	0.015	0.008	0.008	0.19
6/6/2010	04:30	0.83	11:00	1.48	1.06	13:45	0.30	11:00	0.67	0.49	04:30	0.005	11:00	0.019	0.009	0.009	0.11
6/7/2010	03:15	0.84	07:15	1.33	1.01	17:00	0.40	07:15	0.67	0.49	03:15	0.005	07:15	0.017	0.008	0.008	
6/8/2010	18:30	0.83	08:45	1.49	1.00	06:15	0.37	08:45	0.71	0.48	18:30	0.005	08:45	0.020	0.008	0.008	
6/9/2010	14:45	0.71	20:30	1.49	1.07	14:15	0.17	20:30	0.74	0.48	14:15	0.002	20:30	0.021	0.009	0.009	0.57
6/10/2010	16:30	0.73	07:30	1.26	0.95	16:15	0.34	10:00	0.79	0.49	16:15	0.004	06:45	0.017	0.008	0.008	0.01
6/11/2010	14:45	0.67	20:30	1.12	0.84	11:30	0.24	20:30	0.68	0.43	04:45	0.003	20:30	0.013	0.006	0.006	
6/12/2010	18:15	0.65	13:00	1.45	0.93	16:45	0.24	13:00	0.78	0.47	17:00	0.002	13:00	0.022	0.007	0.007	0.01
6/13/2010	02:45	0.64	19:15	1.20	0.86	05:30	0.35	19:15	0.67	0.43	06:45	0.003	19:15	0.014	0.006	0.006	0.02
6/14/2010	05:30	0.60	19:15	1.13	0.83	04:45	0.33	19:15	0.61	0.42	04:45	0.003	19:15	0.012	0.005	0.005	
6/15/2010	03:30	0.67	19:00	1.19	0.88	02:15	0.34	07:30	0.71	0.44	01:45	0.003	08:00	0.014	0.006	0.006	
6/16/2010	15:15	0.88	20:45	1.16	0.86	10:15	0.32	07:45	0.57	0.43	10:15	0.003	06:15	0.011	0.006	0.006	
6/17/2010	02:15	0.67	19:15	1.20	0.86	02:00	0.36	06:30	0.71	0.43	02:15	0.003	07:15	0.015	0.006	0.006	0.16
6/18/2010	02:00	0.57	11:30	1.18	0.84	02:45	0.31	09:15	0.66	0.42	01:45	0.002	11:30	0.013	0.006	0.006	
6/19/2010	07:15	0.69	12:30	1.10	0.89	02:15	0.35	08:30	0.81	0.45	07:00	0.004	08:30	0.014	0.006	0.006	
6/20/2010	04:00	0.72	22:30	1.41	0.94	05:15	0.36	12:15	1.01	0.49	04:15	0.004	22:30	0.023	0.008	0.008	
6/21/2010	04:45	0.74	16:15	1.23	0.91	04:30	0.35	16:00	0.77	0.45	04:30	0.004	16:00	0.016	0.007	0.007	
6/22/2010	05:45	0.69	21:15	1.28	0.91	03:30	0.35	20:30	0.86	0.46	05:45	0.004	20:45	0.019	0.007	0.007	0.71
6/23/2010	22:30	0.81	07:00	1.27	0.95	22:30	0.39	00:15	0.69	0.47	22:30	0.005	00:15	0.015	0.007	0.007	0.01
6/24/2010	05:30	0.72	07:30	1.06	0.90	02:15	0.38	07:15	0.61	0.45	04:15	0.004	07:15	0.011	0.006	0.006	0.17
6/25/2010	17:15	0.83	07:45	1.21	0.94	17:15	0.40	10:15	0.65	0.46	17:15	0.005	10:15	0.014	0.007	0.007	
6/26/2010	04:30	0.73	08:30	1.22	0.90	11:15	0.26	09:30	0.64	0.42	22:15	0.004	09:30	0.014	0.006	0.006	
6/27/2010	00:30	0.74	12:30	1.26	0.90	19:00	0.34	12:00	0.74	0.44	05:15	0.004	12:30	0.017	0.006	0.006	0.02
6/28/2010	04:15	0.70	22:30	1.07	0.88	14:45	0.27	08:00	0.74	0.42	16:45	0.003	08:00	0.013	0.006	0.006	0.01
6/29/2010	02:00	0.67	19:30	1.23	0.93	05:00	0.36	07:45	0.71	0.47	05:15	0.004	07:45	0.015	0.007	0.007	
6/30/2010	23:15	0.82	10:00	1.21	0.95	23:15	0.39	08:00	0.64	0.47	23:15	0.005	10:00	0.013	0.007	0.007	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.215	3.06
Report Avg	0.94	0.46	0.007	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	05:00	0.79	08:00	1.22	0.92	05:00	0.38	23:45	0.67	0.46	05:00	0.004	13:00	0.012	0.007	0.007	
7/2/2010	04:00	0.81	14:15	1.17	0.92	04:00	0.39	00:00	0.64	0.45	04:00	0.005	14:15	0.012	0.007	0.007	
7/3/2010	02:00	0.87	21:00	1.28	0.99	12:45	0.40	21:00	0.77	0.50	02:00	0.006	21:00	0.018	0.008	0.008	
7/4/2010	18:15	0.86	10:30	1.25	0.99	09:30	0.37	01:00	0.64	0.48	08:15	0.005	10:30	0.014	0.008	0.008	
7/5/2010	07:30	0.82	11:00	1.46	1.01	07:30	0.40	11:00	0.81	0.51	07:30	0.005	11:00	0.023	0.009	0.009	
7/6/2010	01:30	0.87	13:30	1.22	0.96	16:00	0.40	13:30	0.64	0.47	01:30	0.006	13:30	0.014	0.007	0.007	
7/7/2010	22:45	0.85	21:30	1.16	0.96	16:15	0.40	19:45	0.56	0.46	22:45	0.005	19:45	0.010	0.007	0.007	
7/8/2010	14:45	0.85	07:45	1.25	0.96	09:30	0.40	07:45	0.60	0.47	14:45	0.005	07:45	0.014	0.007	0.007	
7/9/2010	06:15	0.84	08:00	1.25	0.96	19:15	0.41	07:00	0.62	0.46	03:00	0.005	08:00	0.014	0.007	0.007	0.09
7/10/2010	16:30	0.84	12:15	1.19	0.94	09:30	0.40	12:15	0.71	0.46	16:30	0.005	12:15	0.015	0.007	0.007	
7/11/2010	16:30	0.73	11:15	1.32	0.97	07:30	0.27	11:15	0.72	0.47	07:00	0.004	11:15	0.017	0.008	0.008	
7/12/2010	23:15	0.88	08:00	1.38	0.94	14:45	0.37	16:45	0.72	0.46	23:15	0.004	08:00	0.016	0.007	0.007	0.01
7/13/2010	01:15	0.75	07:30	1.41	0.95	01:15	0.37	06:30	0.81	0.47	01:15	0.004	07:30	0.021	0.007	0.007	0.70
7/14/2010	12:15	0.83	08:00	1.26	0.98	21:45	0.37	07:45	0.71	0.48	12:15	0.005	08:00	0.016	0.008	0.008	0.36
7/15/2010	23:15	0.83	07:15	1.25	1.03	01:45	0.34	20:00	0.67	0.50	01:30	0.005	20:00	0.014	0.009	0.009	
7/16/2010	04:30	0.77	19:45	1.64	1.21	04:30	0.38	07:30	0.84	0.60	04:30	0.004	07:45	0.024	0.014	0.014	
7/17/2010	04:45	0.26	16:15	1.75	1.02	06:15	0.27	22:30	0.86	0.54	04:45	0.001	16:15	0.029	0.010	0.010	
7/18/2010	06:30	0.77	11:15	1.21	0.93	09:15	0.37	10:00	0.78	0.46	06:30	0.004	10:30	0.015	0.007	0.007	
7/19/2010	16:00	0.75	07:00	1.43	1.00	16:00	0.37	07:45	0.77	0.49	16:00	0.004	07:45	0.021	0.008	0.008	0.41
7/20/2010	15:30	0.83	19:30	1.20	0.96	09:00	0.40	22:00	0.61	0.46	15:30	0.005	22:00	0.013	0.007	0.007	
7/21/2010	16:30	0.79	19:45	1.35	0.95	22:45	0.27	19:45	0.69	0.47	23:45	0.004	19:45	0.017	0.007	0.007	1.20
7/22/2010	16:00	0.81	20:45	1.13	0.91	11:30	0.39	10:00	0.67	0.46	16:00	0.005	10:00	0.012	0.007	0.007	
7/23/2010	16:45	0.82	10:00	1.08	0.90	13:30	0.40	10:00	0.62	0.45	16:45	0.005	10:00	0.011	0.006	0.006	0.15
7/24/2010	21:45	0.83	21:15	1.19	0.94	17:45	0.34	21:15	0.86	0.48	17:15	0.005	21:15	0.018	0.007	0.007	0.01
7/25/2010	16:45	0.83	00:30	1.23	0.99	14:45	0.34	01:15	0.84	0.51	19:30	0.004	01:15	0.018	0.008	0.008	0.67
7/26/2010	15:45	0.85	17:00	1.21	0.95	23:45	0.37	21:30	0.77	0.48	12:45	0.005	21:30	0.016	0.007	0.007	
7/27/2010	21:45	0.82	21:00	1.19	0.92	17:30	0.34	07:45	0.67	0.45	18:15	0.005	07:45	0.014	0.007	0.007	
7/28/2010	02:00	0.82	13:45	1.41	1.07	12:30	0.34	13:45	0.71	0.50	02:00	0.005	13:45	0.019	0.009	0.009	
7/29/2010	02:45	0.61	00:15	1.34	0.92	10:45	0.30	07:45	0.81	0.44	02:45	0.003	07:45	0.018	0.007	0.007	0.14
7/30/2010	03:30	0.74	16:30	1.08	0.89	21:15	0.34	16:30	0.78	0.47	03:30	0.004	16:30	0.014	0.007	0.007	
7/31/2010	05:30	0.71	08:15	1.16	0.87	04:45	0.34	12:15	0.72	0.45	05:30	0.003	08:15	0.013	0.006	0.006	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.237	3.74
Report Avg	0.97	0.48	0.008	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	18:15	0.82	11:00	1.20	0.93	23:15	0.37	10:45	0.84	0.49	18:15	0.005	11:30	0.017	0.008	0.008	
8/2/2010	22:30	0.82	17:00	1.21	0.95	00:30	0.37	15:45	0.74	0.49	22:30	0.005	17:00	0.016	0.008	0.008	
8/3/2010	01:30	0.80	19:00	1.20	0.93	01:30	0.40	19:00	0.71	0.47	01:30	0.005	19:00	0.015	0.007	0.007	
8/4/2010	22:45	0.74	18:00	1.24	0.91	22:45	0.36	08:00	0.71	0.46	22:45	0.004	18:00	0.012	0.007	0.007	
8/5/2010	03:45	0.72	09:30	1.37	0.93	03:45	0.35	09:30	0.89	0.48	03:45	0.003	09:30	0.023	0.007	0.007	
8/6/2010	01:45	0.77	19:30	1.20	0.95	06:30	0.36	07:30	0.68	0.47	01:45	0.004	07:30	0.014	0.007	0.007	
8/7/2010	16:30	0.76	23:45	1.13	0.89	22:30	0.37	23:30	0.74	0.46	16:30	0.004	23:30	0.014	0.006	0.006	
8/8/2010	05:45	0.75	11:15	1.40	0.91	05:45	0.37	11:15	0.84	0.49	05:45	0.004	11:15	0.022	0.007	0.007	
8/9/2010	04:45	0.74	15:15	1.23	0.92	04:45	0.36	08:45	0.84	0.47	04:45	0.004	09:00	0.017	0.007	0.007	
8/10/2010	04:15	0.77	07:30	1.26	0.96	16:45	0.30	20:30	0.72	0.47	16:45	0.004	20:30	0.015	0.007	0.007	
8/11/2010	03:45	0.74	07:30	1.16	0.88	05:45	0.34	16:30	0.77	0.48	03:45	0.004	07:30	0.015	0.007	0.007	0.03
8/12/2010	23:30	0.78	07:30	1.25	0.92	13:15	0.32	11:45	0.81	0.46	20:15	0.004	11:45	0.017	0.007	0.007	
8/13/2010	06:00	0.74	10:15	1.19	0.90	21:30	0.35	07:45	0.71	0.44	06:00	0.004	07:45	0.014	0.006	0.006	
8/14/2010	01:30	0.89	10:30	1.30	1.04	08:45	0.42	14:45	0.62	0.51	08:45	0.007	10:30	0.014	0.009	0.009	
8/15/2010	15:45	0.83	13:00	1.21	0.99	18:45	0.36	18:00	0.71	0.50	18:45	0.005	13:00	0.014	0.008	0.008	0.61
8/16/2010	17:45	0.80	07:45	1.09	0.89	06:00	0.27	00:30	0.67	0.45	06:45	0.004	07:45	0.012	0.006	0.006	0.42
8/17/2010	06:15	0.79	10:00	1.25	0.91	04:30	0.34	10:30	0.91	0.47	04:30	0.004	10:45	0.018	0.007	0.007	
8/18/2010	09:45	0.80	07:45	1.18	0.89	09:45	0.37	07:45	0.81	0.46	09:45	0.004	07:45	0.017	0.006	0.006	
8/19/2010	15:45	0.81	07:45	1.19	0.90	08:45	0.30	11:00	0.67	0.44	15:45	0.005	07:45	0.013	0.006	0.006	
8/20/2010	07:15	0.70	20:15	1.21	0.92	23:15	0.34	11:30	0.77	0.48	05:45	0.004	20:15	0.014	0.007	0.007	
8/21/2010	05:00	0.80	08:00	1.17	0.92	01:00	0.30	02:45	0.71	0.46	01:00	0.004	00:00	0.012	0.007	0.007	
8/22/2010	06:30	0.76	20:45	6.25	1.51	20:30	0.00	20:15	1.28	0.58	20:30	0.000	11:45	0.147	0.015	0.015	3.59
8/23/2010	00:15	0.96	20:30	1.47	1.18	23:15	0.30	06:15	0.98	0.69	23:15	0.006	11:30	0.023	0.014	0.014	0.35
8/24/2010	18:00	0.92	09:15	1.65	1.13	00:45	0.27	09:15	0.91	0.54	00:45	0.005	09:15	0.031	0.011	0.011	0.12
8/25/2010	04:45	1.03	16:30	1.47	1.16	22:30	0.24	07:30	0.88	0.59	22:30	0.004	12:45	0.024	0.012	0.012	0.19
8/26/2010	15:45	0.77	07:30	1.49	1.05	01:15	0.25	07:30	0.91	0.53	14:00	0.003	07:30	0.026	0.010	0.010	0.05
8/27/2010	22:00	0.72	19:45	1.41	0.95	01:15	0.18	20:45	0.86	0.49	01:15	0.002	19:45	0.022	0.008	0.008	
8/28/2010	01:00	0.69	20:30	1.20	0.90	00:15	0.17	16:30	0.84	0.47	00:45	0.002	16:30	0.017	0.007	0.007	
8/29/2010	07:30	0.79	09:30	1.27	0.90	19:00	0.34	09:45	0.84	0.48	07:30	0.004	09:30	0.019	0.007	0.007	
8/30/2010	02:45	0.80	07:15	1.22	0.88	18:00	0.37	07:15	0.71	0.44	02:45	0.004	07:15	0.015	0.006	0.006	
8/31/2010	21:15	0.80	23:00	1.14	0.91	22:15	0.37	08:45	0.74	0.46	21:15	0.004	09:00	0.014	0.007	0.007	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.244	5.36
Report Avg	0.97	0.49	0.008	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH777, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity						Rain
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	11:30	0.80	10:30	1.19	0.90	00:15	0.37	07:30	0.75	0.47	11:30	0.004	07:30	0.015	0.007	0.007	
9/2/2010	06:30	0.80	07:45	1.19	0.91	19:00	0.36	07:30	0.79	0.47	19:00	0.004	07:30	0.016	0.007	0.007	
9/3/2010	10:30	0.79	08:15	1.24	0.95	10:30	0.37	17:45	0.82	0.49	10:30	0.004	08:15	0.017	0.008	0.008	
9/4/2010	00:30	0.81	07:30	1.20	0.91	19:15	0.37	07:45	0.71	0.46	09:45	0.005	07:45	0.014	0.007	0.007	
9/5/2010	18:45	0.75	08:30	1.49	0.94	07:45	0.37	20:30	0.91	0.48	17:45	0.005	08:45	0.024	0.008	0.008	
9/6/2010	23:15	0.79	19:00	1.22	0.92	09:30	0.30	18:45	0.98	0.48	14:30	0.004	18:45	0.021	0.007	0.007	
9/7/2010	10:45	0.80	18:00	1.16	0.92	21:30	0.17	18:15	0.77	0.46	21:30	0.002	18:00	0.015	0.007	0.007	
9/8/2010	06:45	0.80	08:00	1.06	0.90	10:45	0.13	08:30	0.67	0.42	10:45	0.002	08:00	0.011	0.006	0.003	0.02
9/9/2010																	
9/10/2010																	
9/11/2010																	
9/12/2010																	
9/13/2010																	
9/14/2010																	0.01
9/15/2010																	
9/16/2010																	0.16
9/17/2010																	0.06
9/18/2010																	
9/19/2010																	
9/20/2010																	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.052	0.25
Report Avg	0.92	0.47	0.007	

Site Commentary

Site Information

MH779	
Pipe Dimensions (in.)	Circular (24.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) for MH779 indicates the line operates in constant back-water conditions (increase in depth with a corresponding decrease in velocity) for the entire monitoring period from Monday, March 22, 2010 to Monday, September 20, 2010 . The [scattergraph](#) show several surcharges (depths greater than the pipe height) resulting mostly from rain events throughout the study period. Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

Daily [longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	12.55	1.27	1.295
Minimum	5.37	0.28	0.212
Maximum	45.09	3.21	6.524
Time of Minimum	8/15/2010 5:15 AM	6/1/2010 4:15 AM	7/3/2010 6:00 AM
Time of Maximum	3/30/2010 11:30 AM	3/30/2010 12:30 PM	3/30/2010 12:30 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in the table below.

Percent Uptime	
Depth (in)	99.99
Velocity (ft/s)	98.58
Quantity (MGD)	98.58

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Site Name:	YORKTOWN_MH-779	Meter Type:	FLOW SHARK	Monitor S/N:	20963	Manhole #:	779
Address / Location:	ENTRANCE TO WWTP			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	24 Inches		
				Pipe Width:	24 Inches		
				Phone Number:	I.P. 166.219.48.225		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 11, 2010	8:24 AM	Manhole Depth:	10 Feet	2 Inches
Site Hydraulics:	Smooth flow, with decent		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	RCP	Fair
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	1.8 +/- 0.38		Access Pole #:	N/A	
Range (Air Dof):	4.5 +/- 0.38		Distance From Manhole:	N/A Feet	
Peak Velocity:	1.62 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 17' 0.5" W 73° 46' 26.5"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:
PRESS SN 79035 ULTRA PO 1.5

SCATTERGRAPH REPORT

MH779

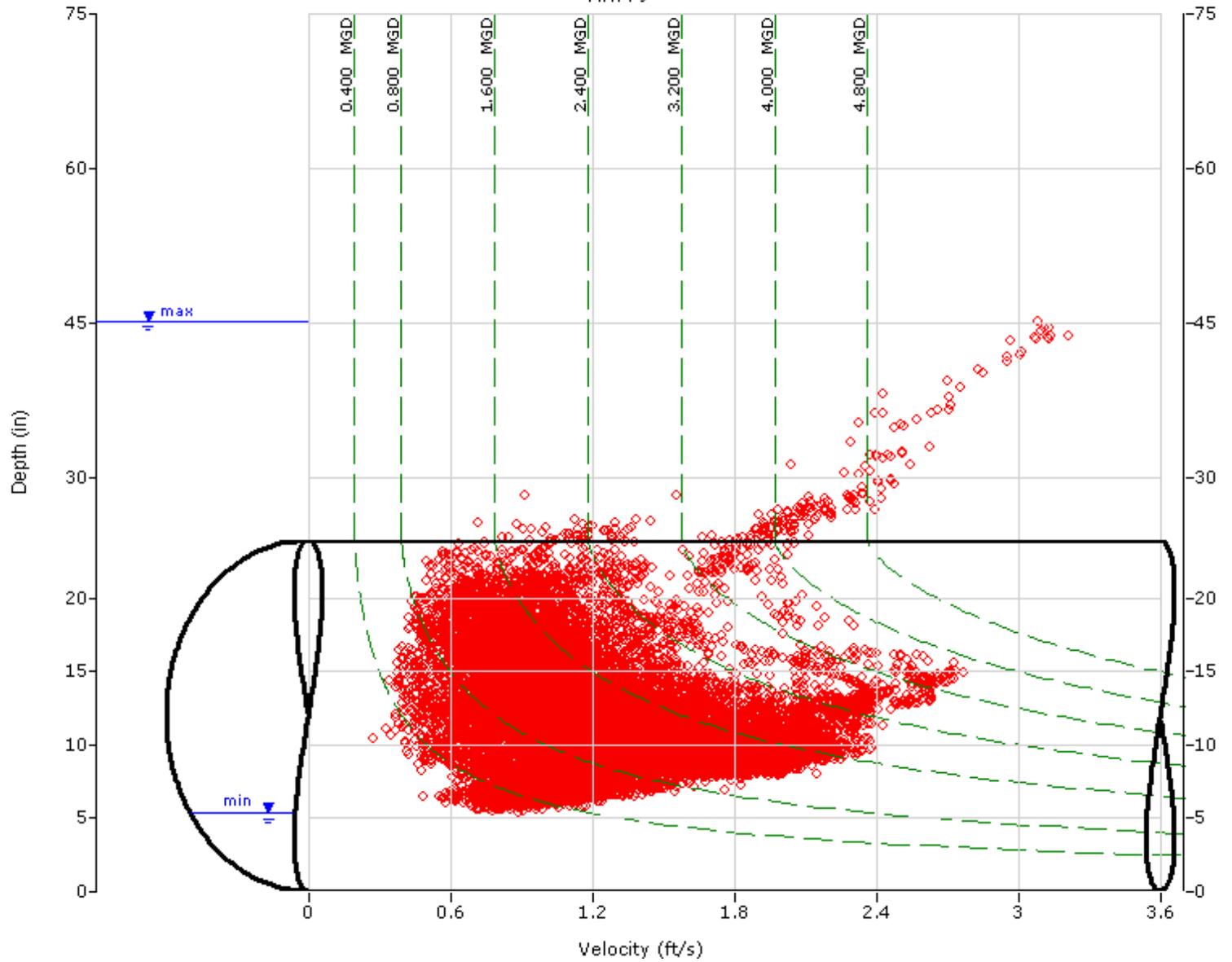
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH779

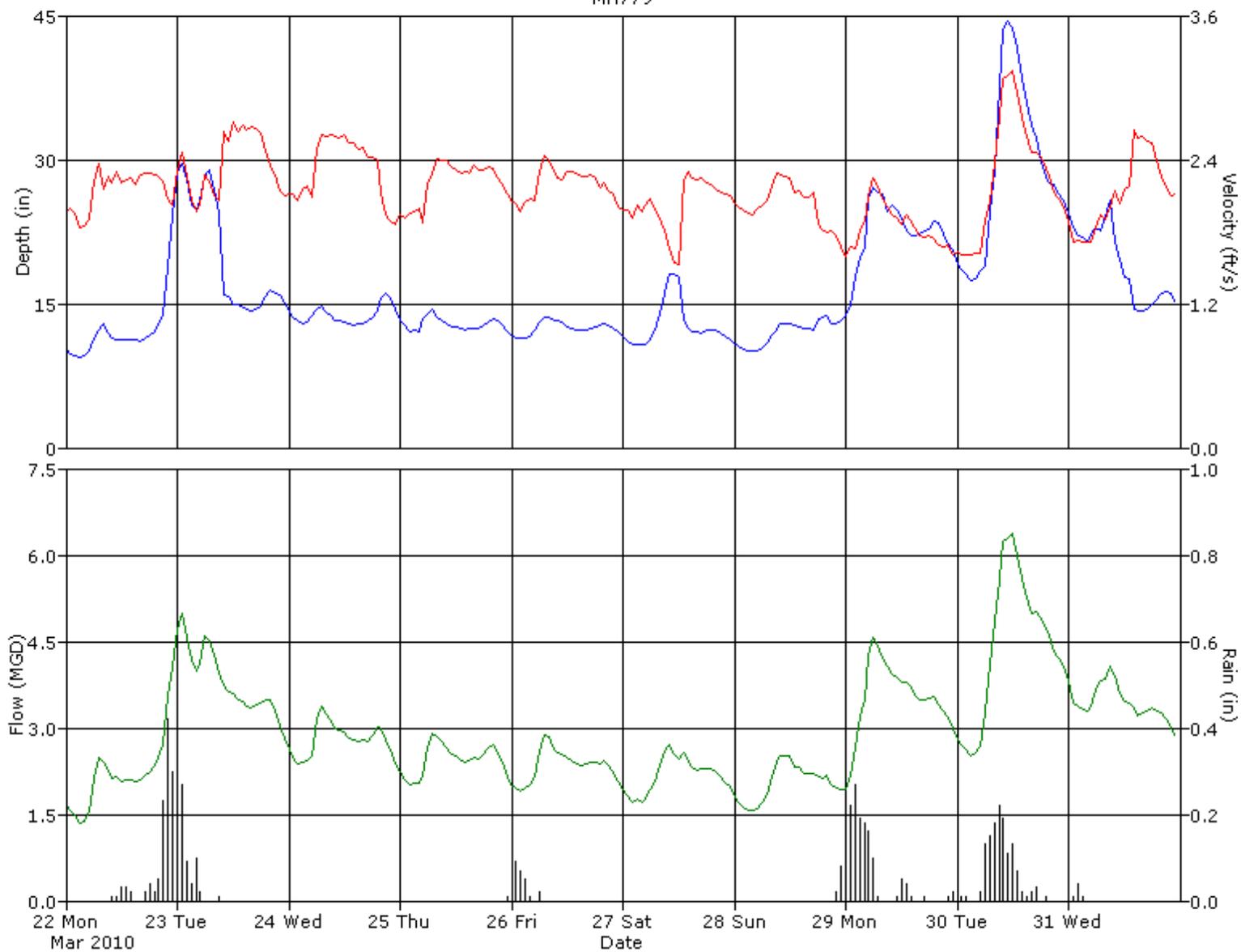
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
3/22/2010
To
3/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH779

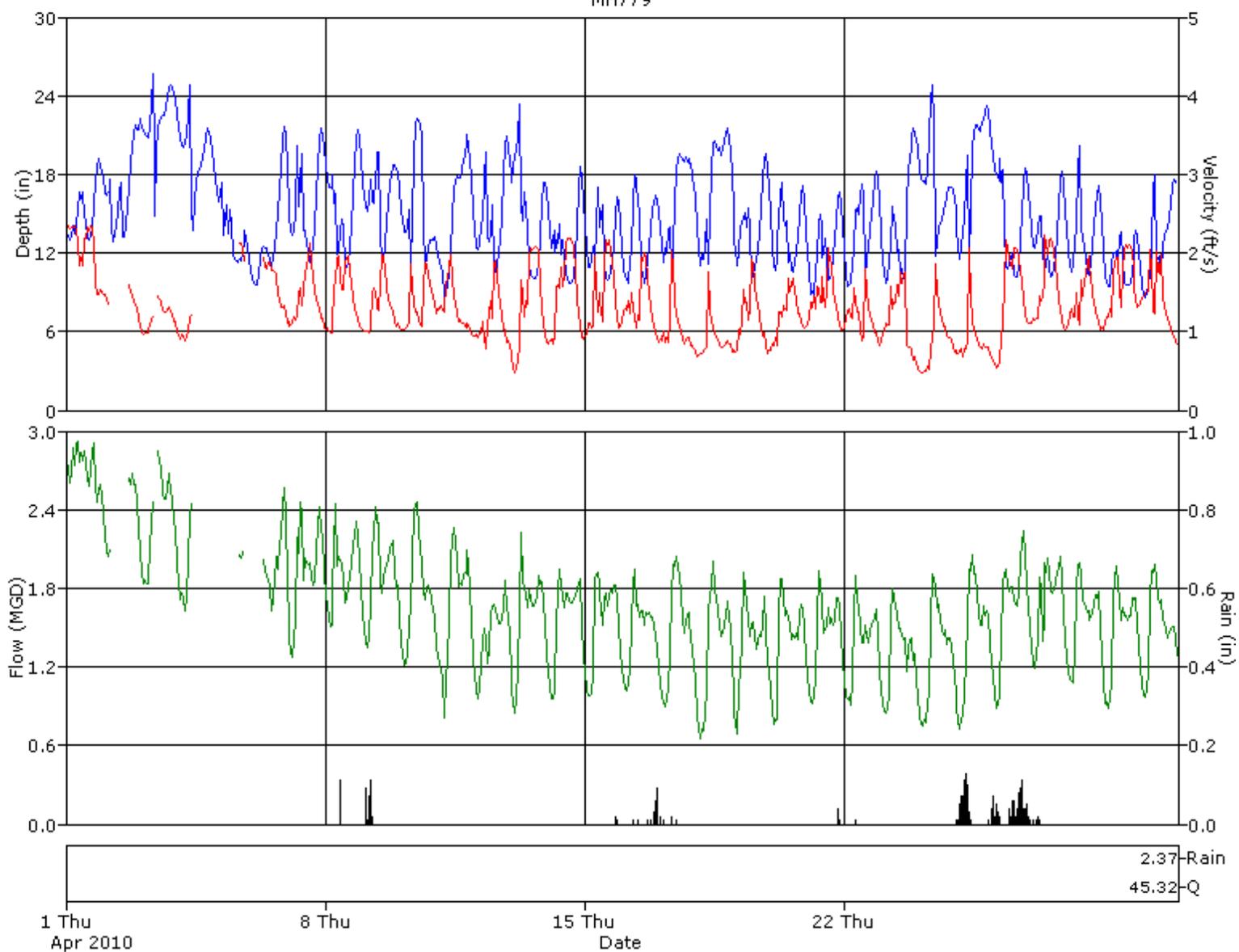
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH779

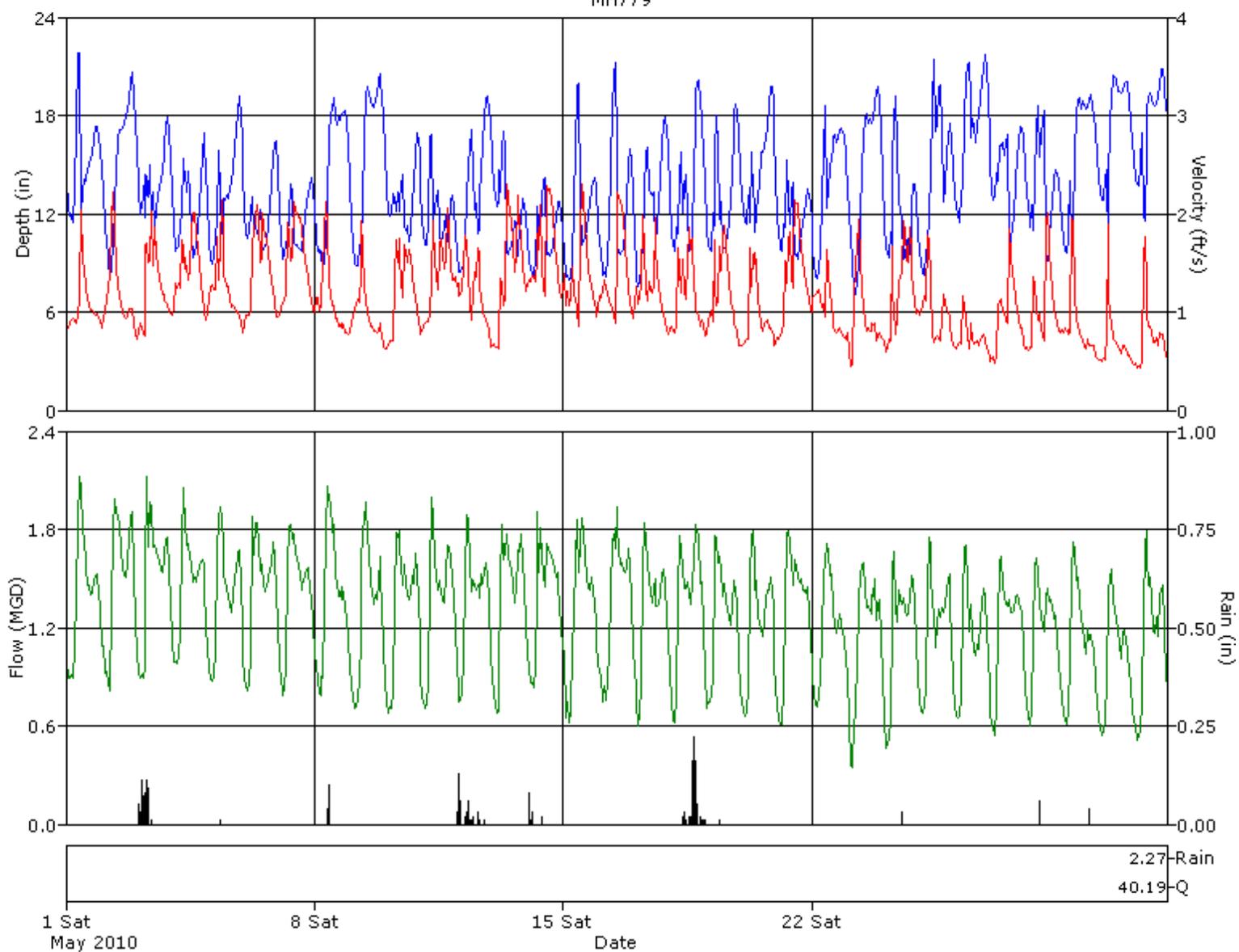
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH779

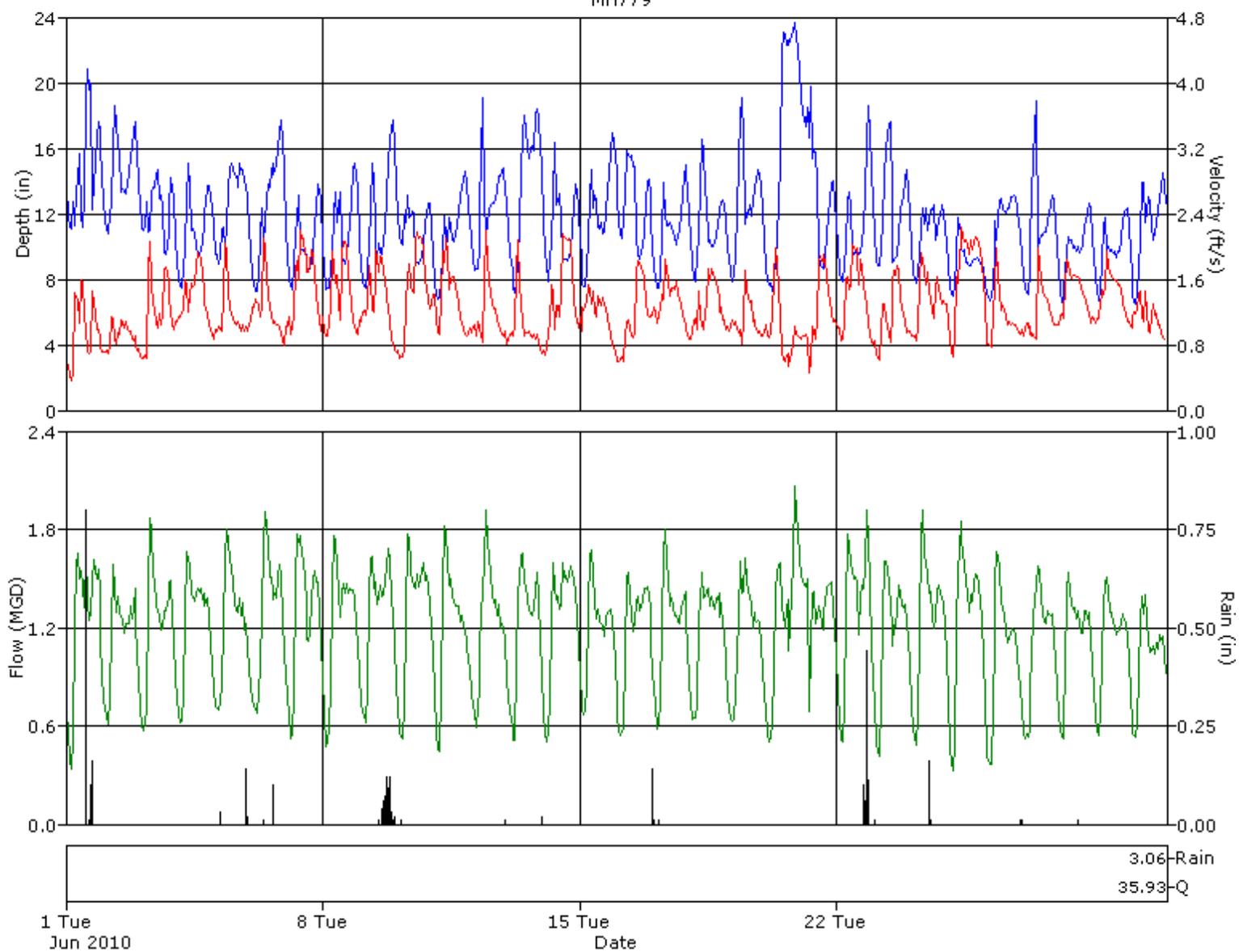
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH779

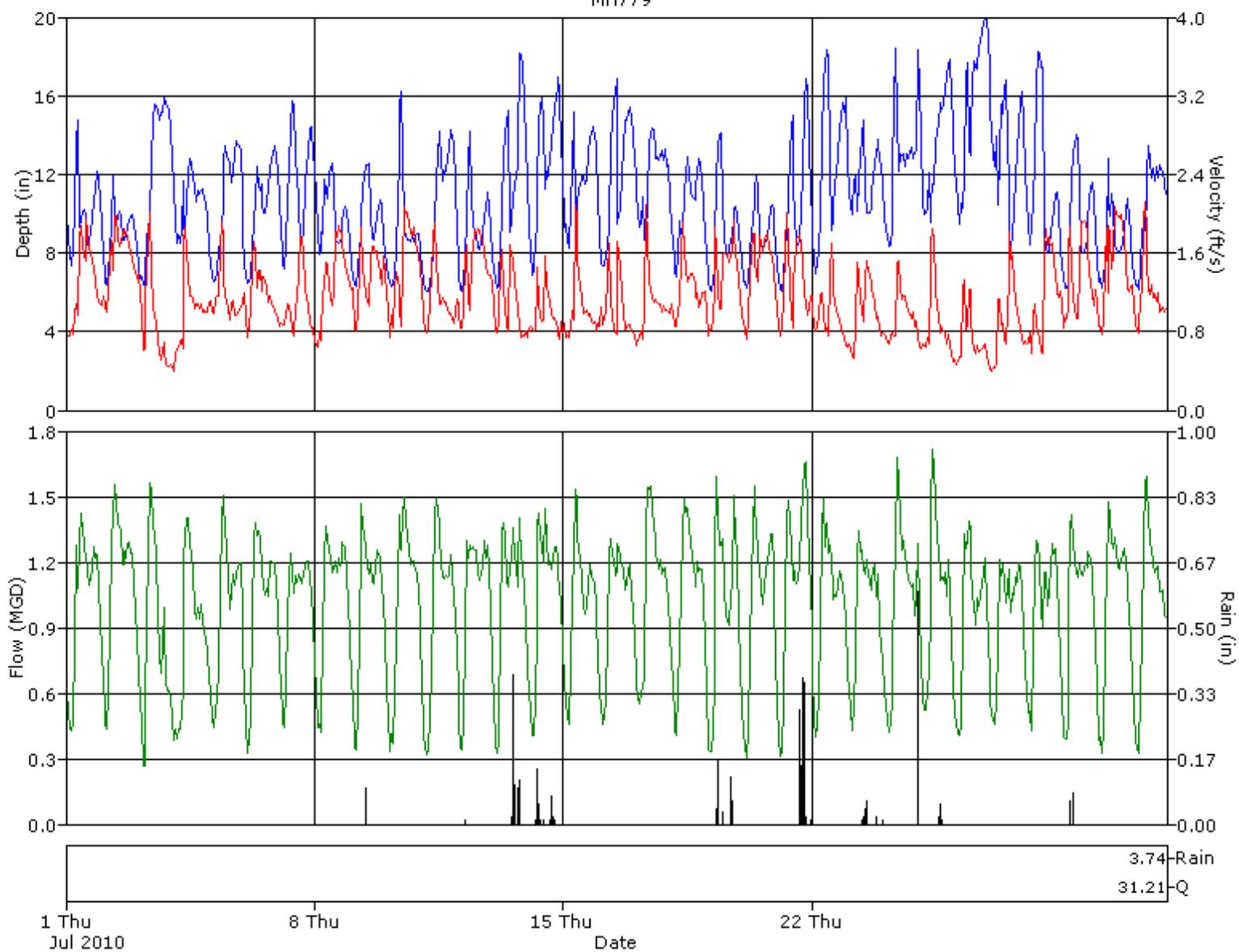
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH779

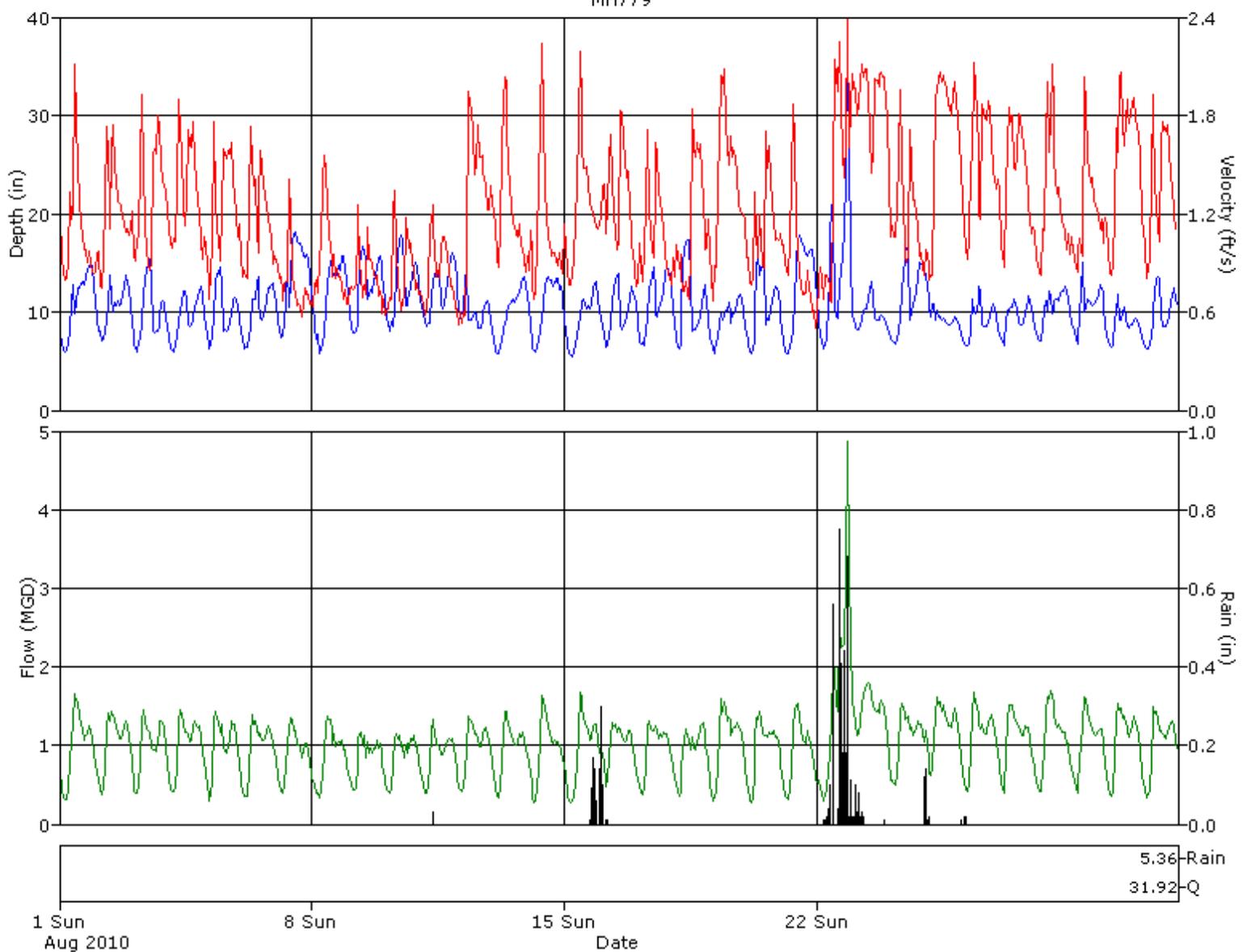
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH779

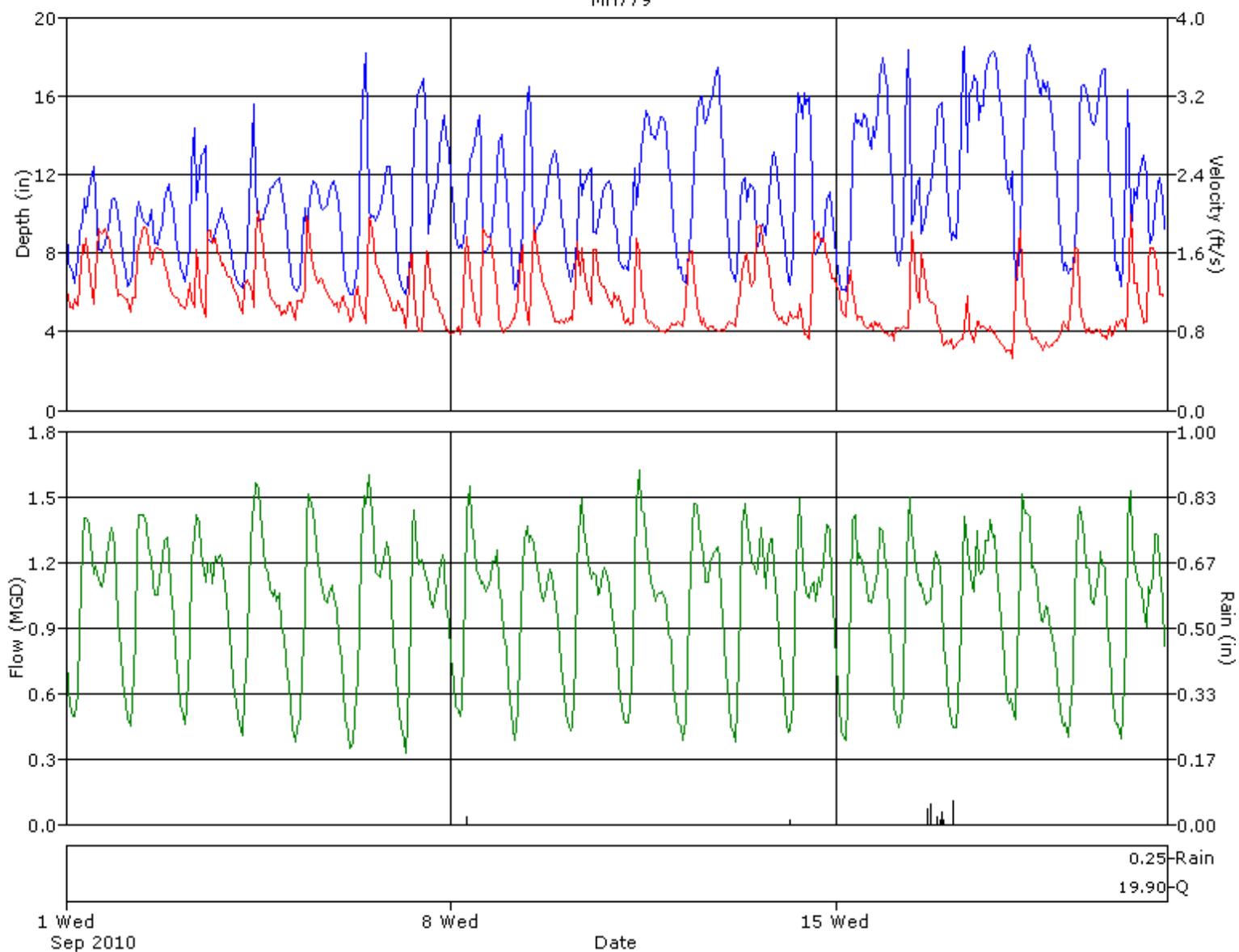
Flow Monitor
MH779

Nominal Diameter
24-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:30	9.29	23:45	25.45	12.14	05:15	1.69	07:30	2.47	2.15	04:15	1.240	23:45	4.294	2.188	2.188	1.18
3/23/2010	16:30	14.20	06:45	31.02	20.13	09:30	1.91	12:00	2.77	2.37	23:30	2.735	01:00	5.025	3.811	3.811	0.83
3/24/2010	14:30	12.70	21:15	16.33	13.81	23:15	1.78	06:45	2.65	2.33	23:30	2.282	07:30	3.429	2.801	2.801	
3/25/2010	04:30	11.64	06:00	15.63	12.84	05:30	1.79	10:00	2.47	2.21	02:00	1.961	07:15	2.932	2.445	2.445	0.01
3/26/2010	04:15	11.26	07:30	13.73	12.46	23:45	1.86	08:00	2.48	2.20	02:00	1.872	08:00	2.980	2.345	2.345	0.26
3/27/2010	05:15	10.49	10:30	18.53	12.76	12:15	1.41	14:00	2.37	2.02	02:30	1.671	13:00	2.877	2.173	2.173	
3/28/2010	03:30	9.96	18:30	14.39	12.00	23:15	1.64	11:15	2.35	2.02	03:15	1.516	10:45	2.650	2.049	2.049	0.10
3/29/2010	00:30	13.68	06:00	28.34	22.37	23:45	1.48	06:45	2.31	1.85	00:00	1.885	06:45	4.696	3.523	3.523	1.51
3/30/2010	04:15	16.70	11:30	45.09	29.05	01:45	1.55	12:30	3.21	2.27	03:30	2.473	12:30	6.524	4.430	4.430	1.34
3/31/2010	14:30	14.06	09:30	25.95	19.06	03:30	1.66	14:00	2.69	2.11	23:45	2.723	09:30	4.167	3.436	3.436	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			29.201	5.29
Report Avg	16.66	2.15	2.920	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	03:15	12.46	21:45	19.92	15.19	21:00	1.34	17:00	2.37	2.07	21:00	2.331	12:00	2.935	2.730	2.730	
4/2/2010	06:30	12.15	21:15	22.18	16.79	23:45	1.13	17:45	1.59	1.39	03:30	1.981	19:30	2.795	2.367	1.110	
4/3/2010	09:45	13.69	08:45	25.92	22.21	05:15	0.90	12:15	1.53	1.18	05:15	1.717	12:15	2.942	2.323	2.009	
4/4/2010	09:15	12.65	08:45	25.29	19.73	02:45	0.83	09:00	1.24	0.98	04:00	1.557	09:00	2.458	1.880	0.724	
4/5/2010	06:15	11.09	00:30	19.26	13.94	19:30	1.84	16:00	2.15	2.05	17:15	1.997	19:45	2.193	2.062	0.344	
4/6/2010	03:15	9.44	21:30	22.11	13.57	23:45	1.06	08:30	2.04	1.59	13:45	1.563	21:30	2.641	2.019	1.304	
4/7/2010	13:30	11.05	21:15	21.78	15.81	03:30	0.97	13:45	2.16	1.42	03:30	1.245	08:30	2.539	1.925	1.925	
4/8/2010	12:45	10.64	21:00	21.68	15.88	03:00	0.90	08:15	2.06	1.43	03:00	1.397	07:45	2.604	1.916	1.916	0.11
4/9/2010	13:30	10.61	10:15	20.35	16.43	02:00	0.94	14:15	2.12	1.34	03:45	1.270	08:30	2.471	1.917	1.917	0.30
4/10/2010	07:00	10.08	11:15	22.79	15.80	02:00	0.96	07:00	2.01	1.33	03:30	1.159	09:45	2.629	1.781	1.781	
4/11/2010	05:15	8.36	20:45	21.47	15.19	23:15	0.92	08:45	2.10	1.31	06:00	0.763	11:30	2.289	1.674	1.674	
4/12/2010	14:45	10.36	21:00	21.11	14.93	21:45	0.76	13:15	2.05	1.15	03:00	0.923	20:30	1.950	1.438	1.438	
4/13/2010	15:15	9.94	06:45	24.47	15.32	03:30	0.45	13:00	2.20	1.32	03:30	0.787	07:00	2.623	1.561	1.561	
4/14/2010	15:00	9.53	21:45	18.99	12.98	03:30	0.69	12:30	2.25	1.48	02:45	0.832	07:30	2.183	1.542	1.542	
4/15/2010	15:15	9.78	12:15	18.08	12.95	01:00	0.85	16:15	2.20	1.46	02:00	0.890	07:45	2.149	1.558	1.558	0.03
4/16/2010	03:30	9.54	08:15	19.82	12.97	22:30	0.86	14:30	2.08	1.39	03:00	0.949	08:30	2.099	1.478	1.478	0.22
4/17/2010	07:45	10.02	15:15	20.48	16.21	22:45	0.71	08:30	2.10	1.04	04:45	0.847	12:15	2.133	1.461	1.461	0.06
4/18/2010	04:00	10.36	20:30	21.77	17.13	03:30	0.59	08:00	1.90	0.89	03:30	0.540	11:45	2.019	1.356	1.356	
4/19/2010	11:45	9.73	21:15	20.04	14.17	02:15	0.64	13:00	2.02	1.15	03:45	0.632	07:15	2.134	1.358	1.358	
4/20/2010	03:45	9.83	08:00	18.38	13.53	02:45	0.69	12:00	1.82	1.20	02:45	0.690	07:15	2.122	1.392	1.392	
4/21/2010	03:30	8.33	20:45	17.37	12.34	23:15	0.93	13:45	2.11	1.42	03:15	0.858	07:30	1.979	1.453	1.453	0.05
4/22/2010	03:00	8.65	21:15	18.37	13.78	23:45	0.76	13:00	1.85	1.20	04:30	0.857	07:45	2.024	1.389	1.389	0.01
4/23/2010	03:15	8.77	21:30	21.73	14.42	23:15	0.54	06:15	2.04	1.15	03:15	0.697	07:30	2.138	1.315	1.315	
4/24/2010	11:00	10.95	10:30	25.66	17.35	07:00	0.44	11:00	2.02	0.89	03:15	0.730	10:30	2.638	1.300	1.300	
4/25/2010	09:00	10.55	20:00	23.76	18.31	03:15	0.58	09:00	2.18	0.90	03:15	0.553	11:30	2.142	1.422	1.422	0.65
4/26/2010	16:00	9.98	06:00	21.55	14.85	03:45	0.47	09:00	2.21	1.39	03:45	0.755	20:00	2.304	1.629	1.629	0.88
4/27/2010	14:00	10.10	21:15	18.94	13.28	23:00	0.99	13:30	2.32	1.54	03:30	1.156	12:45	2.313	1.690	1.690	0.06
4/28/2010	03:45	9.74	08:45	20.82	13.49	22:00	0.98	14:00	2.04	1.38	03:15	1.038	08:15	2.209	1.561	1.561	
4/29/2010	03:00	8.67	06:00	14.86	11.28	00:00	0.96	12:45	2.14	1.62	03:15	0.845	07:45	2.097	1.497	1.497	
4/30/2010	02:30	8.14	09:30	18.71	13.02	23:45	0.77	12:45	2.15	1.40	02:30	0.857	09:45	2.264	1.484	1.484	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			45.317	2.37
Report Avg	15.10	1.32	1.646	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	05:00	10.78	09:30	24.07	15.18	02:00	0.74	10:00	2.20	1.07	02:00	0.779	09:45	2.520	1.412	1.412	
5/2/2010	05:45	7.67	21:15	21.17	14.98	23:15	0.69	08:30	2.23	1.17	06:00	0.742	10:00	2.048	1.461	1.461	
5/3/2010	12:15	10.31	21:30	18.78	14.11	00:45	0.63	06:30	2.24	1.24	03:30	0.812	07:15	2.197	1.498	1.498	0.56
5/4/2010	03:00	9.06	21:45	17.38	12.66	00:00	0.84	13:30	2.11	1.41	01:45	0.729	08:00	2.151	1.483	1.483	
5/5/2010	04:30	8.43	21:15	19.54	13.47	23:30	0.73	09:15	2.15	1.25	03:15	0.794	08:00	2.053	1.406	1.406	0.01
5/6/2010	14:30	9.53	22:00	17.07	12.21	00:00	0.74	08:15	2.18	1.42	03:00	0.721	06:15	2.165	1.419	1.419	
5/7/2010	03:30	8.55	09:00	14.73	11.26	00:45	0.83	09:45	2.16	1.52	03:30	0.736	07:45	2.010	1.393	1.393	
5/8/2010	06:00	8.00	13:00	19.27	14.69	22:30	0.64	08:15	2.15	1.12	03:30	0.662	09:45	2.154	1.363	1.363	0.14
5/9/2010	03:30	8.48	20:30	20.98	15.52	23:45	0.58	08:30	1.97	1.01	04:15	0.653	11:15	2.106	1.310	1.310	
5/10/2010	16:00	10.18	00:00	17.75	13.19	00:00	0.58	09:30	1.91	1.21	02:30	0.634	09:15	1.884	1.329	1.329	
5/11/2010	23:45	9.42	06:30	17.63	12.01	01:00	0.67	18:15	2.12	1.35	02:30	0.647	07:45	2.234	1.350	1.350	
5/12/2010	03:30	8.08	20:30	19.57	13.38	23:45	0.58	06:15	1.94	1.22	02:45	0.624	08:00	2.022	1.338	1.338	0.46
5/13/2010	17:15	9.16	08:00	19.57	12.35	04:00	0.53	10:15	2.38	1.41	04:00	0.580	09:45	2.065	1.379	1.379	
5/14/2010	04:30	7.80	11:00	14.78	10.93	23:15	1.07	09:00	2.37	1.59	04:30	0.747	09:00	1.999	1.405	1.405	0.14
5/15/2010	03:45	7.67	10:45	20.94	12.40	11:15	0.79	13:15	2.38	1.33	02:30	0.515	10:30	1.995	1.334	1.334	
5/16/2010	05:30	7.79	11:45	21.67	12.49	23:15	0.78	13:15	2.27	1.38	03:45	0.614	12:15	2.132	1.359	1.359	
5/17/2010	03:15	7.20	21:30	18.52	12.62	23:45	0.67	06:30	2.25	1.25	03:15	0.549	07:30	1.877	1.290	1.290	
5/18/2010	02:30	8.91	20:15	20.74	13.83	02:45	0.61	13:45	2.02	1.16	02:45	0.528	19:45	1.923	1.343	1.343	0.81
5/19/2010	04:15	9.16	21:15	18.89	13.37	23:30	0.52	06:15	1.96	1.17	01:15	0.542	07:45	1.928	1.285	1.285	0.02
5/20/2010	06:15	9.54	20:30	20.19	14.74	00:00	0.52	08:00	1.91	0.99	03:15	0.623	08:15	1.907	1.232	1.232	
5/21/2010	04:15	9.01	00:00	16.42	11.70	00:15	0.56	13:15	2.25	1.37	04:15	0.508	07:45	1.914	1.300	1.300	
5/22/2010	04:15	7.58	09:30	19.48	13.93	23:30	0.69	10:00	1.81	1.02	03:30	0.688	10:15	1.850	1.190	1.190	
5/23/2010	05:15	6.73	21:00	20.54	14.43	02:30	0.41	08:30	1.98	0.95	03:45	0.308	11:45	1.688	1.127	1.127	
5/24/2010	06:00	8.53	09:15	20.50	12.21	02:45	0.49	14:00	2.01	1.20	03:15	0.368	08:00	1.722	1.187	1.187	0.03
5/25/2010	04:00	7.87	11:00	22.16	14.52	12:00	0.52	06:45	2.02	1.03	02:45	0.628	07:30	1.829	1.224	1.224	
5/26/2010	04:45	11.05	10:15	22.37	17.29	22:45	0.46	06:30	1.33	0.74	02:15	0.592	07:45	1.828	1.145	1.145	
5/27/2010	13:30	9.24	07:30	18.14	14.43	04:00	0.42	13:15	2.11	0.98	04:00	0.454	08:00	1.766	1.183	1.183	
5/28/2010	14:15	9.06	09:15	19.13	13.55	00:45	0.53	14:15	2.11	1.06	04:00	0.551	09:15	1.671	1.164	1.164	0.06
5/29/2010	04:45	8.96	21:00	19.95	15.34	17:15	0.51	08:30	2.16	0.87	04:45	0.554	10:15	1.790	1.111	1.111	0.04
5/30/2010	07:45	8.54	12:45	21.01	17.16	04:45	0.41	08:00	2.01	0.71	04:45	0.434	09:45	1.633	1.047	1.047	
5/31/2010	08:30	9.09	21:30	21.24	17.21	07:00	0.38	08:45	2.09	0.75	06:00	0.473	10:30	1.842	1.127	1.127	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			40.194	2.27
Report Avg	13.78	1.16	1.297	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
6/1/2010	06:15	9.49	14:15	21.39	14.79	04:15	0.28	06:30	1.79	0.97	04:15	0.235	08:30	1.816	1.226	1.226	1.07
6/2/2010	04:00	10.41	08:15	19.90	14.58	04:30	0.57	06:45	1.43	0.90	04:30	0.510	07:45	1.683	1.152	1.152	
6/3/2010	06:15	9.25	13:00	16.20	12.31	05:00	0.57	07:00	2.21	1.19	03:30	0.537	08:00	1.975	1.216	1.216	
6/4/2010	04:45	7.17	09:15	16.03	10.89	23:30	0.94	14:00	2.03	1.39	04:00	0.597	07:45	1.794	1.234	1.234	
6/5/2010	04:30	8.46	12:00	15.87	12.66	01:45	0.80	09:00	2.12	1.14	04:00	0.631	09:30	1.839	1.222	1.222	0.19
6/6/2010	05:15	7.12	21:30	17.91	12.51	23:45	0.70	09:30	2.15	1.23	05:15	0.617	10:30	2.046	1.267	1.267	0.11
6/7/2010	03:15	7.13	08:00	14.84	10.22	03:30	0.68	18:00	2.22	1.54	03:30	0.355	07:15	1.939	1.260	1.260	
6/8/2010	04:00	7.00	21:15	15.40	10.91	23:15	0.80	06:45	2.21	1.41	03:00	0.407	07:15	1.899	1.238	1.238	
6/9/2010	04:15	7.26	22:00	18.93	11.63	21:45	0.72	11:30	2.02	1.38	04:45	0.598	19:30	1.732	1.274	1.274	0.57
6/10/2010	15:30	8.88	07:30	15.09	11.18	04:30	0.55	14:15	2.27	1.43	04:30	0.425	07:30	1.962	1.283	1.283	0.01
6/11/2010	04:15	6.60	22:00	15.16	10.82	22:00	0.81	10:00	2.29	1.39	03:15	0.381	07:45	1.980	1.221	1.221	
6/12/2010	04:45	7.85	10:00	20.19	12.35	09:45	0.76	11:30	2.32	1.18	04:30	0.532	10:30	2.026	1.207	1.207	0.01
6/13/2010	05:30	6.83	21:00	19.06	13.53	23:45	0.64	08:45	2.13	1.03	06:00	0.400	11:15	1.823	1.155	1.155	0.02
6/14/2010	04:30	7.39	08:30	17.03	11.01	00:45	0.59	12:45	2.24	1.38	02:15	0.417	19:00	1.685	1.222	1.222	
6/15/2010	03:30	7.08	21:00	17.40	11.99	23:30	0.69	07:00	1.82	1.19	03:30	0.563	08:30	1.796	1.168	1.168	
6/16/2010	15:15	8.94	08:15	16.80	12.62	03:45	0.49	13:30	2.04	1.12	03:45	0.467	08:00	1.602	1.155	1.155	
6/17/2010	03:30	7.37	08:00	15.43	11.14	23:00	0.83	08:15	2.10	1.33	03:30	0.491	08:30	1.859	1.213	1.213	0.16
6/18/2010	04:30	7.49	09:15	18.00	11.46	00:45	0.73	12:30	1.87	1.27	03:00	0.579	08:00	1.617	1.192	1.192	
6/19/2010	04:45	7.48	10:15	19.39	12.59	11:30	0.76	11:45	1.96	1.10	04:15	0.577	09:30	1.744	1.155	1.155	
6/20/2010	06:15	7.00	21:00	24.12	16.24	14:45	0.50	08:45	2.06	0.99	04:00	0.446	21:00	2.163	1.217	1.217	
6/21/2010	15:30	8.39	00:45	20.84	14.13	06:15	0.44	16:15	1.97	1.22	06:15	0.561	07:30	1.697	1.341	1.341	
6/22/2010	04:15	7.43	21:30	19.54	11.33	04:15	0.63	10:15	2.14	1.42	04:15	0.337	20:45	2.036	1.303	1.303	0.71
6/23/2010	04:30	8.16	10:30	18.00	12.26	04:30	0.48	14:00	1.95	1.14	04:30	0.290	07:45	1.713	1.160	1.160	0.01
6/24/2010	04:15	7.16	15:00	13.29	10.98	04:15	0.77	06:45	2.11	1.35	04:15	0.394	08:15	2.103	1.249	1.249	0.17
6/25/2010	04:00	6.82	07:30	12.75	9.19	04:00	0.60	10:00	2.34	1.72	04:00	0.286	09:30	1.994	1.260	1.260	
6/26/2010	04:45	6.61	18:15	13.56	10.75	05:15	0.70	09:30	2.05	1.19	04:30	0.329	09:30	1.735	1.064	1.064	
6/27/2010	05:00	6.76	11:00	19.77	11.27	00:30	0.76	12:30	2.05	1.17	03:00	0.416	12:30	1.635	1.076	1.076	0.02
6/28/2010	04:30	6.35	21:45	12.96	9.83	00:15	0.95	07:15	1.92	1.40	04:30	0.503	08:30	1.572	1.102	1.102	0.01
6/29/2010	04:00	6.56	22:45	12.75	9.79	00:15	0.95	09:00	1.98	1.40	02:15	0.511	09:00	1.558	1.095	1.095	
6/30/2010	04:30	6.33	09:15	15.60	11.03	23:45	0.76	07:30	1.58	1.12	04:00	0.503	08:15	1.432	1.003	1.003	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			35.929	3.06
Report Avg	11.87	1.26	1.198	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	04:45	7.11	08:00	16.78	10.09	08:30	0.62	14:30	1.97	1.28	03:30	0.373	10:15	1.451	1.018	1.018	
7/2/2010	04:30	6.28	08:30	12.49	8.96	02:45	0.86	09:15	2.05	1.54	04:00	0.393	09:00	1.661	1.092	1.092	
7/3/2010	05:15	6.26	20:15	16.38	11.98	21:15	0.40	09:15	2.05	0.93	06:00	0.212	10:15	1.615	0.853	0.853	
7/4/2010	03:45	7.70	00:00	14.24	10.73	01:00	0.37	08:45	1.95	1.00	01:45	0.346	10:45	1.501	0.879	0.879	
7/5/2010	04:30	6.39	21:30	14.61	10.64	03:45	0.79	09:45	2.00	1.16	03:45	0.357	11:15	1.607	0.999	0.999	
7/6/2010	03:00	6.39	21:15	13.86	10.30	03:15	0.61	07:45	1.84	1.19	03:15	0.267	07:45	1.474	1.005	1.005	
7/7/2010	04:30	6.93	10:30	16.08	11.19	21:45	0.70	13:30	1.88	1.10	04:00	0.378	09:15	1.313	0.981	0.981	
7/8/2010	04:30	7.43	07:45	14.66	10.06	02:00	0.50	16:30	1.91	1.30	04:15	0.368	08:30	1.393	1.027	1.027	
7/9/2010	04:15	6.18	12:00	13.40	9.49	04:30	0.72	08:00	2.03	1.37	04:30	0.314	08:00	1.526	1.034	1.034	0.09
7/10/2010	04:45	6.22	11:45	16.83	9.24	03:15	0.64	13:00	2.12	1.44	03:15	0.288	12:30	1.548	1.023	1.023	
7/11/2010	04:30	5.81	21:15	15.02	10.52	04:30	0.69	09:00	1.96	1.14	04:30	0.263	11:30	1.523	0.976	0.976	
7/12/2010	04:30	5.94	09:15	14.57	9.10	03:45	0.75	13:45	2.01	1.43	03:45	0.308	08:30	1.416	1.016	1.016	0.01
7/13/2010	03:00	6.08	19:45	19.14	11.58	20:45	0.61	07:00	1.81	1.09	03:15	0.281	19:15	1.528	1.008	1.008	0.70
7/14/2010	03:45	6.60	21:30	17.59	12.64	00:30	0.59	12:00	1.87	0.98	04:45	0.310	12:15	1.543	1.052	1.052	0.36
7/15/2010	04:15	7.46	07:30	16.73	11.72	00:00	0.61	08:30	2.15	1.06	04:15	0.392	09:30	1.622	1.019	1.019	
7/16/2010	03:45	6.82	12:45	17.66	12.01	12:30	0.67	06:45	1.89	1.05	03:45	0.398	08:00	1.575	1.012	1.012	
7/17/2010	07:30	7.60	12:30	14.85	12.03	03:30	0.54	08:00	2.15	1.06	03:30	0.465	09:00	1.610	1.071	1.071	
7/18/2010	05:00	6.22	20:45	13.46	10.34	04:15	0.66	09:45	2.07	1.22	04:15	0.310	09:45	1.627	1.034	1.034	
7/19/2010	04:30	5.79	10:30	14.68	9.25	02:30	0.63	19:45	2.07	1.37	02:30	0.291	19:45	1.641	1.005	1.005	0.41
7/20/2010	04:15	5.95	12:30	12.57	8.95	04:00	0.66	08:30	2.01	1.43	03:45	0.283	09:30	1.661	1.020	1.020	
7/21/2010	04:45	6.04	21:00	17.88	10.60	02:45	0.69	08:00	2.18	1.29	03:00	0.298	20:45	1.759	1.095	1.095	1.20
7/22/2010	03:00	6.52	10:30	19.60	12.39	12:00	0.62	12:45	1.88	1.01	03:45	0.301	12:15	1.614	1.011	1.011	
7/23/2010	06:45	8.09	12:00	15.58	11.88	03:15	0.48	06:45	1.65	1.01	03:15	0.402	08:15	1.446	0.971	0.971	0.15
7/24/2010	04:45	7.40	10:00	20.53	12.30	04:15	0.57	10:30	2.03	0.96	04:15	0.391	10:15	2.306	1.004	1.004	0.01
7/25/2010	08:15	7.99	00:15	19.63	14.01	23:45	0.52	11:00	2.20	0.91	03:15	0.466	10:15	2.125	1.063	1.063	0.67
7/26/2010	06:30	8.50	20:45	21.04	15.41	02:45	0.40	06:45	1.57	0.73	05:00	0.362	09:45	1.572	0.961	0.961	
7/27/2010	14:00	7.89	08:00	19.83	13.34	03:15	0.34	14:00	1.87	0.91	04:30	0.427	09:15	1.337	0.947	0.947	
7/28/2010	04:30	7.60	09:45	19.32	11.38	12:00	0.42	14:00	1.96	1.13	05:15	0.353	08:30	1.375	0.974	0.974	
7/29/2010	05:15	5.92	12:30	14.93	9.64	02:45	0.76	07:15	2.02	1.36	02:45	0.332	08:00	1.482	1.014	1.014	0.14
7/30/2010	04:15	5.88	09:00	14.95	8.92	04:30	0.69	09:15	2.21	1.49	04:30	0.309	09:15	1.551	1.034	1.034	
7/31/2010	05:00	6.06	12:45	14.58	10.22	05:15	0.70	09:15	2.17	1.22	05:15	0.291	10:00	1.645	1.013	1.013	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			31.211	3.74
Report Avg	10.99	1.17	1.007	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
8/1/2010	04:15	5.88	22:00	15.88	10.95	04:00	0.74	10:15	2.19	1.11	04:00	0.301	10:15	1.693	1.005	1.005	
8/2/2010	05:00	6.39	10:30	14.97	10.66	01:00	0.68	11:30	2.01	1.20	04:45	0.320	11:15	1.622	1.050	1.050	
8/3/2010	04:45	5.75	12:45	16.23	9.75	13:30	0.74	07:15	2.04	1.31	04:30	0.372	08:45	1.526	0.987	0.987	
8/4/2010	04:00	5.82	22:45	13.14	9.63	22:45	0.86	07:00	2.07	1.33	04:00	0.370	08:15	1.545	1.017	1.017	
8/5/2010	04:15	5.97	12:00	15.49	9.88	04:00	0.58	07:15	1.81	1.23	04:00	0.269	12:30	1.739	0.973	0.973	
8/6/2010	04:15	5.90	12:15	14.30	10.12	05:30	0.75	07:30	1.83	1.17	04:45	0.300	08:15	1.512	0.964	0.964	
8/7/2010	04:30	6.75	13:15	18.63	13.42	17:00	0.52	09:15	1.45	0.78	04:45	0.349	10:45	1.493	0.882	0.882	
8/8/2010	05:15	5.62	20:30	16.68	11.80	23:45	0.48	08:45	1.64	0.92	05:15	0.335	12:15	1.408	0.886	0.886	
8/9/2010	05:00	6.92	12:30	18.33	12.55	23:45	0.48	06:45	1.47	0.82	05:00	0.401	09:30	1.263	0.859	0.859	
8/10/2010	06:15	7.24	11:30	18.52	12.58	01:15	0.50	06:45	1.48	0.84	04:15	0.344	10:15	1.258	0.876	0.876	
8/11/2010	04:45	7.79	21:45	16.46	12.24	03:00	0.50	08:30	1.45	0.87	03:00	0.342	08:15	1.430	0.903	0.903	0.03
8/12/2010	15:30	7.92	07:15	16.49	10.24	04:15	0.45	08:00	2.02	1.24	04:15	0.377	08:15	1.439	0.966	0.966	
8/13/2010	03:30	5.58	21:30	14.43	9.86	22:00	0.71	08:30	2.10	1.26	03:45	0.260	08:45	1.548	0.971	0.971	
8/14/2010	05:15	5.69	13:00	14.46	10.64	05:00	0.58	09:45	2.30	1.09	05:00	0.247	09:45	1.752	0.943	0.943	
8/15/2010	05:15	5.37	20:15	13.93	9.39	04:00	0.71	10:15	2.27	1.26	04:00	0.250	10:15	1.763	0.969	0.969	0.61
8/16/2010	04:45	6.29	12:30	14.59	10.01	23:45	0.76	14:15	1.90	1.30	04:45	0.447	12:45	1.629	1.011	1.011	0.42
8/17/2010	05:00	6.10	11:15	15.34	10.97	04:30	0.62	12:45	1.84	1.09	04:45	0.330	08:30	1.463	0.967	0.967	
8/18/2010	04:00	6.00	10:30	18.04	10.92	07:00	0.59	13:30	2.06	1.11	03:45	0.325	19:15	1.343	0.922	0.922	
8/19/2010	04:15	5.56	21:00	12.50	9.31	03:00	0.61	10:00	2.21	1.41	03:45	0.270	08:00	1.905	1.056	1.056	
8/20/2010	04:30	5.46	09:30	16.71	10.62	05:00	0.68	14:15	1.77	1.12	04:30	0.272	10:00	1.472	0.969	0.969	
8/21/2010	04:30	5.55	12:45	18.34	12.54	23:45	0.41	09:00	2.13	0.93	04:30	0.288	10:00	1.651	0.921	0.921	
8/22/2010	05:00	5.76	20:00	38.15	14.22	00:30	0.43	20:00	2.43	1.35	04:45	0.233	20:00	4.934	1.603	1.603	3.59
8/23/2010	23:45	8.04	12:00	13.88	9.66	12:00	1.36	09:15	2.20	1.93	23:45	0.902	09:30	1.855	1.468	1.468	0.35
8/24/2010	04:30	6.75	12:45	17.15	11.50	23:45	0.76	07:45	2.10	1.20	02:45	0.469	07:45	1.715	1.103	1.103	0.12
8/25/2010	23:45	8.06	00:15	14.91	9.80	01:45	0.74	07:45	2.12	1.64	04:15	0.589	08:45	1.903	1.235	1.235	0.19
8/26/2010	04:15	6.50	07:45	13.54	9.22	04:15	0.89	08:00	2.17	1.52	04:15	0.396	07:45	1.802	1.114	1.114	0.05
8/27/2010	04:00	6.48	12:15	12.07	9.48	02:30	0.80	09:30	1.95	1.42	04:00	0.370	09:15	1.597	1.078	1.078	
8/28/2010	04:00	6.69	11:00	13.84	10.34	04:00	0.78	11:30	2.21	1.30	04:00	0.362	11:30	1.799	1.103	1.103	
8/29/2010	05:45	6.39	09:45	16.32	10.44	05:15	0.77	10:15	2.10	1.19	05:15	0.339	11:15	1.717	1.024	1.024	
8/30/2010	05:00	6.35	08:30	12.92	8.74	04:30	0.75	10:00	2.10	1.56	04:30	0.333	08:45	1.945	1.072	1.072	
8/31/2010	03:45	6.17	11:45	14.23	9.58	03:30	0.76	07:45	2.05	1.34	03:30	0.320	08:15	1.553	1.023	1.023	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			31.921	5.36
Report Avg	10.68	1.22	1.030	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH779, Pipe Height: 24"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	04:15	6.35	12:15	13.44	9.35	05:00	0.85	08:45	2.02	1.43	04:00	0.453	08:45	1.489	1.050	1.050	
9/2/2010	03:45	6.14	07:00	12.27	9.22	04:15	0.88	10:00	2.01	1.44	04:30	0.430	10:15	1.465	1.047	1.047	
9/3/2010	04:45	6.08	08:45	15.23	9.77	03:30	0.87	14:15	1.89	1.34	04:15	0.419	09:30	1.498	1.026	1.026	
9/4/2010	05:30	6.10	10:45	16.47	9.85	22:45	0.89	12:00	2.12	1.28	05:30	0.387	11:15	1.659	0.996	0.996	
9/5/2010	05:00	5.80	21:15	12.49	9.59	00:00	0.85	09:30	2.02	1.24	04:15	0.329	10:30	1.581	0.953	0.953	
9/6/2010	05:00	5.81	11:45	18.84	10.13	11:45	0.82	12:15	2.19	1.23	04:45	0.314	12:15	1.719	0.999	0.999	
9/7/2010	04:15	5.83	13:15	17.40	11.47	10:00	0.76	07:00	1.85	1.08	04:45	0.296	07:45	1.524	0.958	0.888	
9/8/2010	03:00	7.62	12:15	15.58	10.93	04:00	0.76	07:15	1.98	1.19	04:30	0.447	08:45	1.749	1.025	1.025	0.02
9/9/2010	04:45	6.03	11:30	17.22	10.74	11:00	0.76	12:15	1.94	1.17	04:30	0.355	11:45	1.490	0.986	0.986	
9/10/2010	04:15	6.31	08:45	13.62	9.95	02:30	0.77	09:15	1.77	1.23	05:00	0.360	09:00	1.672	0.992	0.992	
9/11/2010	05:30	6.76	14:00	15.70	11.86	04:15	0.77	08:45	1.99	1.01	05:30	0.452	10:45	1.712	0.985	0.985	
9/12/2010	05:45	6.16	20:15	17.83	12.33	16:00	0.76	09:00	1.74	0.99	05:15	0.367	10:45	1.558	0.997	0.997	
9/13/2010	04:00	6.29	08:00	13.91	10.01	04:00	0.79	15:00	2.00	1.29	04:00	0.336	08:30	1.614	1.032	1.032	
9/14/2010	03:45	6.13	08:00	18.26	10.84	13:00	0.67	18:15	1.84	1.20	03:15	0.371	08:30	1.806	1.002	1.002	0.01
9/15/2010	02:45	5.97	20:30	18.69	12.66	23:45	0.69	06:00	1.44	0.97	04:30	0.348	08:00	1.567	1.005	1.005	
9/16/2010	03:30	6.98	08:00	19.06	11.73	23:00	0.64	08:45	1.89	1.05	03:45	0.414	08:30	1.819	0.995	0.995	0.16
9/17/2010	03:45	8.00	08:30	19.44	14.91	03:00	0.55	09:00	1.39	0.78	03:45	0.400	13:30	1.647	1.040	1.040	0.06
9/18/2010	06:00	5.96	13:00	19.18	14.25	05:15	0.44	08:45	1.88	0.83	06:00	0.407	12:30	1.573	0.963	0.963	
9/19/2010	06:30	6.51	21:00	18.58	12.56	00:00	0.60	09:00	1.87	0.92	05:00	0.388	10:00	1.502	0.948	0.948	
9/20/2010	04:30	6.16	07:30	19.24	10.29	00:45	0.70	08:00	2.07	1.19	04:30	0.352	07:45	1.798	0.972	0.972	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			19.903	0.25
Report Avg	11.12	1.14	0.999	

Site Commentary

Site Information

MH893	
Pipe Dimensions (in.)	Circular (12.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH893 indicate this location functioned under typical open channel flow conditions during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	2.74	1.21	0.118
Minimum	1.21	0.44	0.013
Maximum	8.68	2.51	0.807
Time of Minimum	8/7/2010 3:30 AM	8/21/2010 4:00 AM	8/9/2010 4:30 AM
Time of Maximum	8/22/2010 8:45 PM	8/22/2010 11:30 AM	8/22/2010 8:45 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

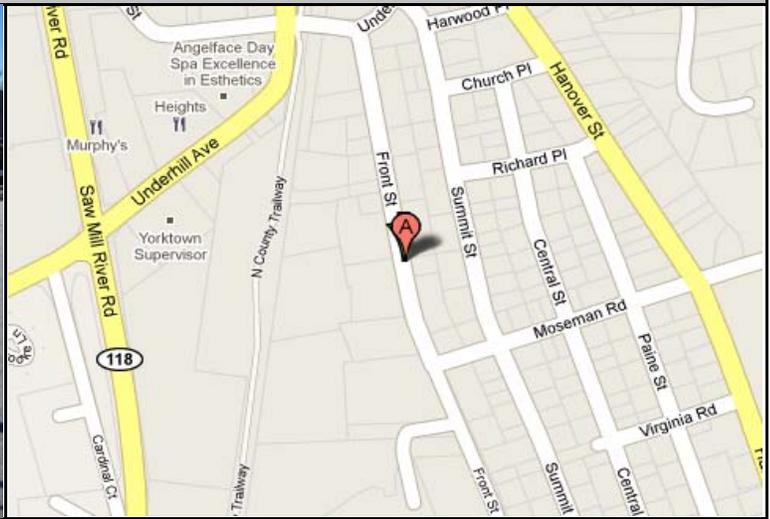
Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in table below.

Percent Uptime	
Depth (in)	87.82
Velocity (ft/s)	87.84
Quantity (MGD)	87.82

The monitor was removed on 3/13/10 in order to clean the line of excessive debris; it was replaced on 5/4/10 and is performing properly.

a division of ADS LLC.

Site Name:	YORKTOWN_MH-893	Meter Type:	4000 WR	Monitor S/N:	1518	Manhole #:	893
Address / Location:	1735 FRONT STREET			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	12 Inches		
				Pipe Width:	12 Inches		
				Phone Number:	166.219.184.98		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 17, 2010	2:40 PM	Manhole Depth:	5 Feet	
Site Hydraulics:	Smooth flow with good velocity		Manhole Material / Condition:	PRECAST	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	ACP	Good
Downstream Manhole:			Mini System Character:	COMMERCIAL	
Depth of Flow (Wet Dof):	4.5 +/- 0.25		Access Pole #:	N/A	
Range (Air Dof):	5.75 +/- 0.25		Distance From Manhole:	N/A Feet	
Peak Velocity:	2.12 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 16' 5.9" W 73° 46' 43.5"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:
PRESS SN 77963 ULTRA PO 1.75

SCATTERGRAPH REPORT

MH893

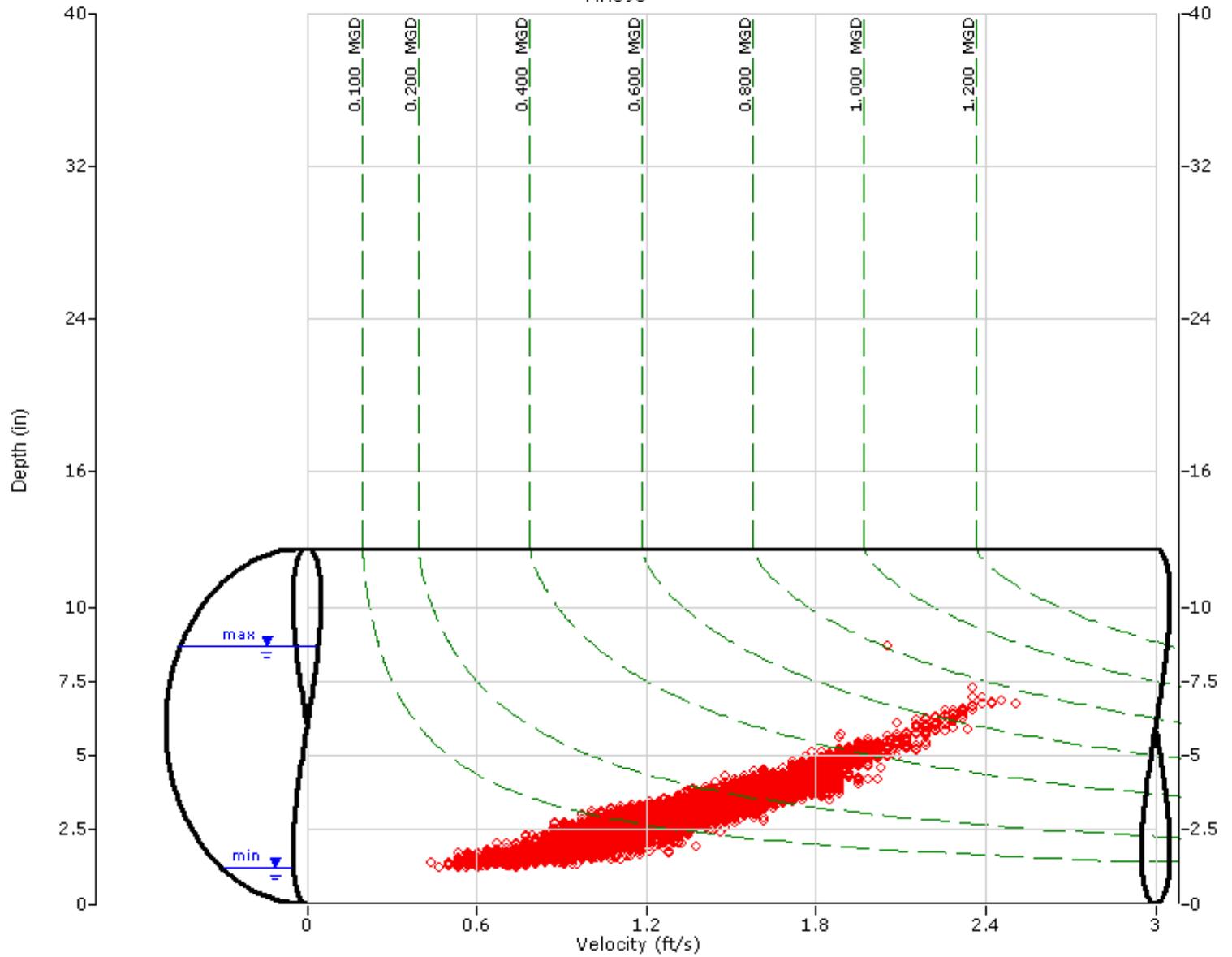
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

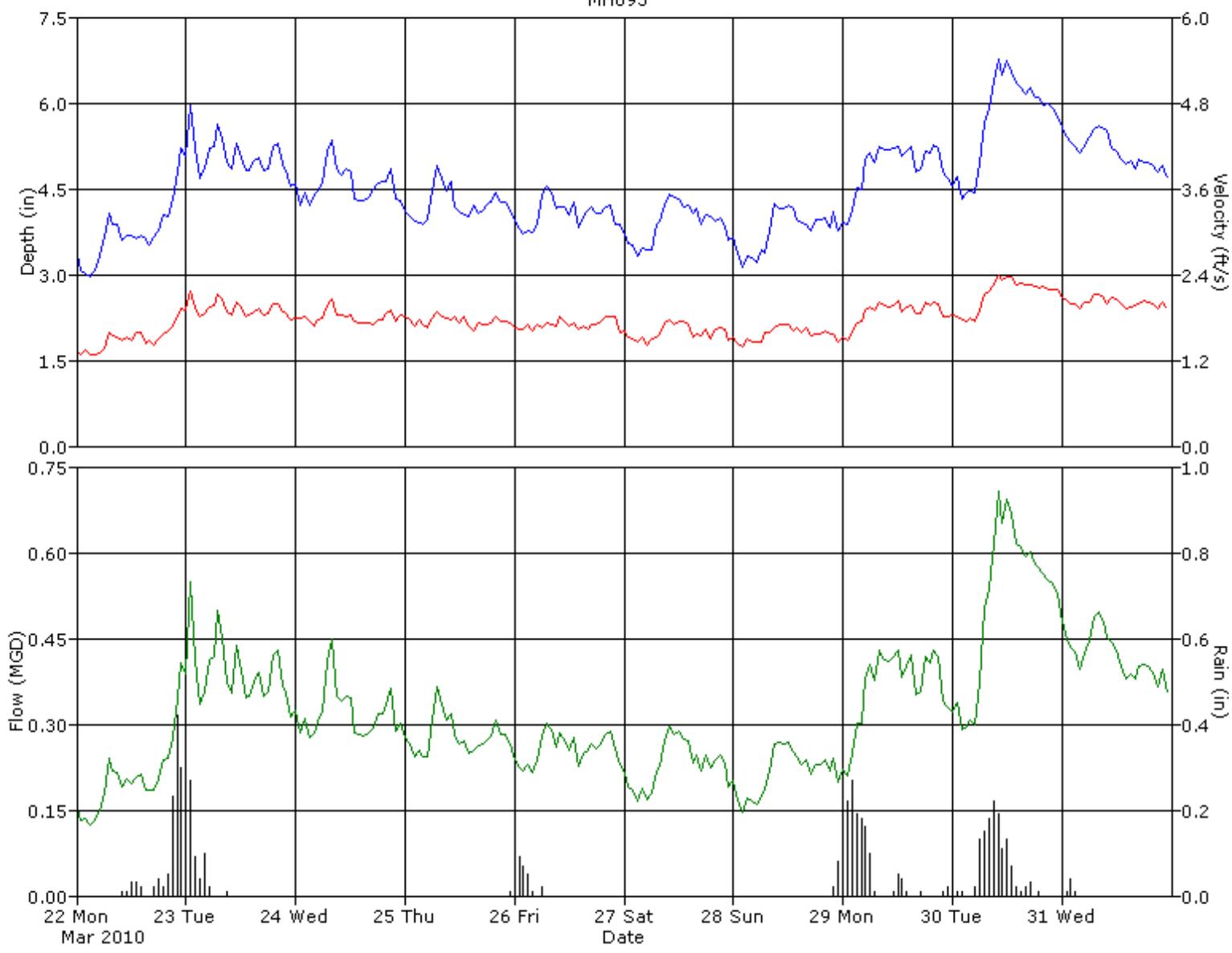
MH893

Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
3/22/2010
To
3/31/2010

Legend
— Depth
— Velocity
— Quantity
— Rain



HYDROGRAPH REPORT

MH893

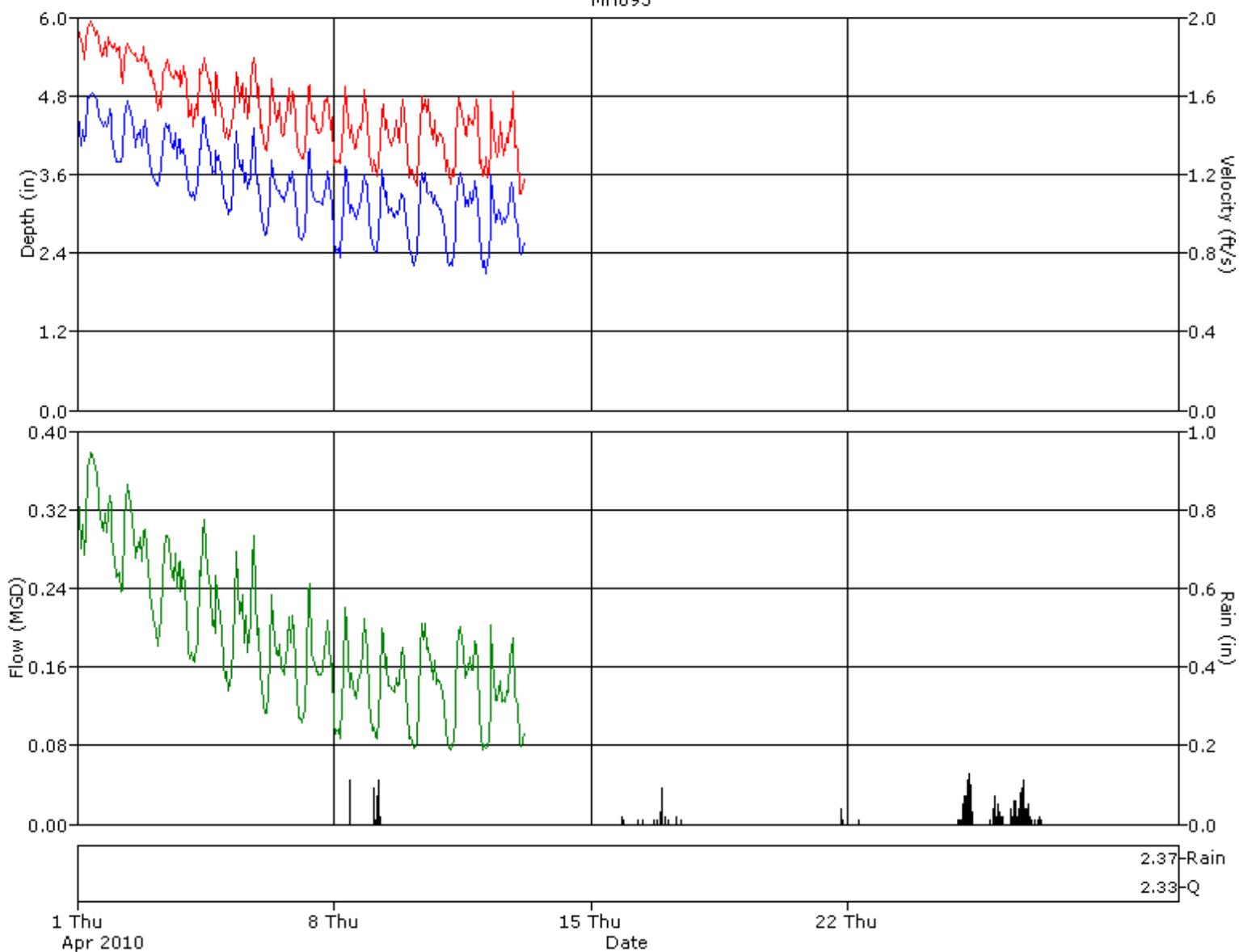
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
4/1/2010
To
4/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH893

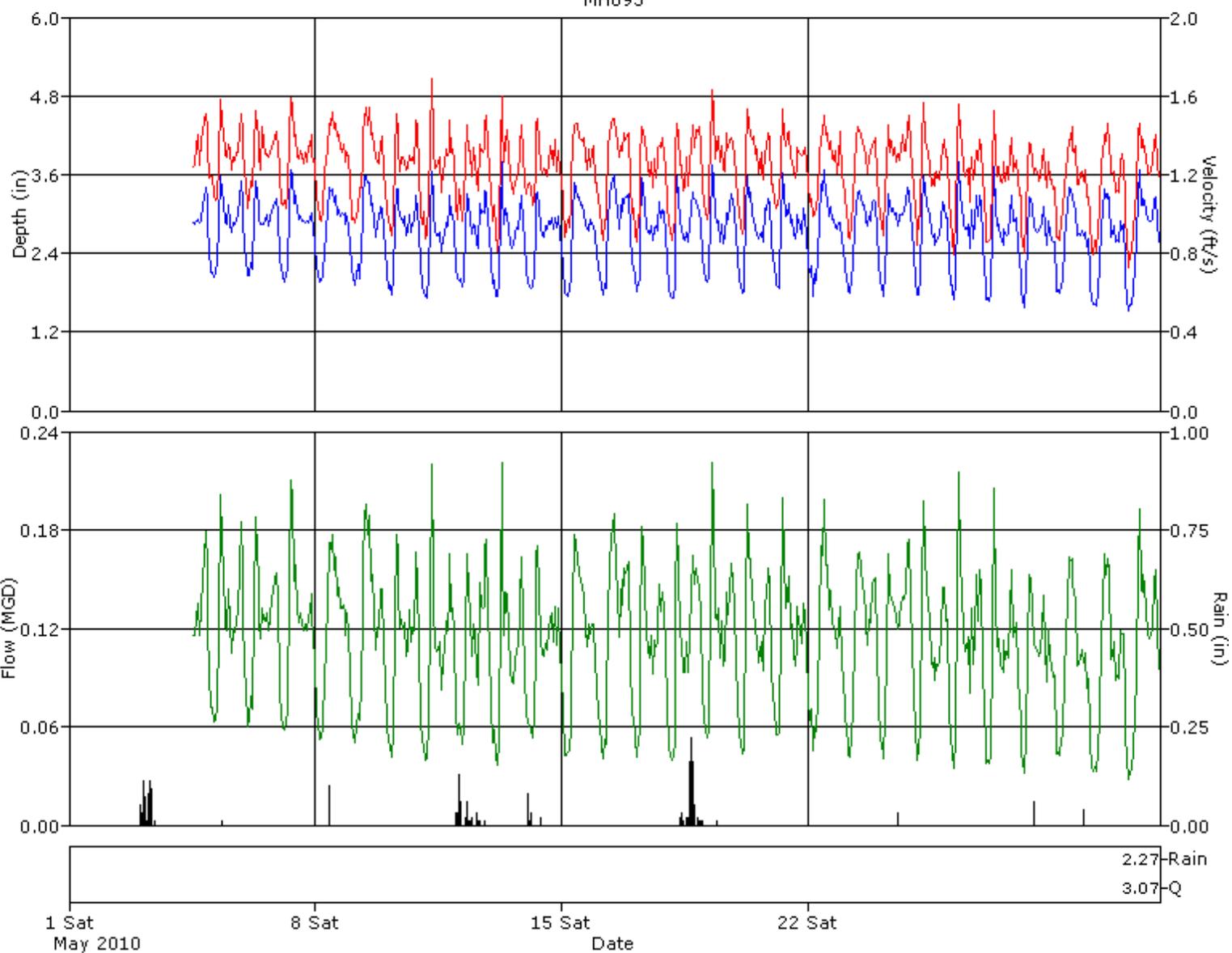
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH893

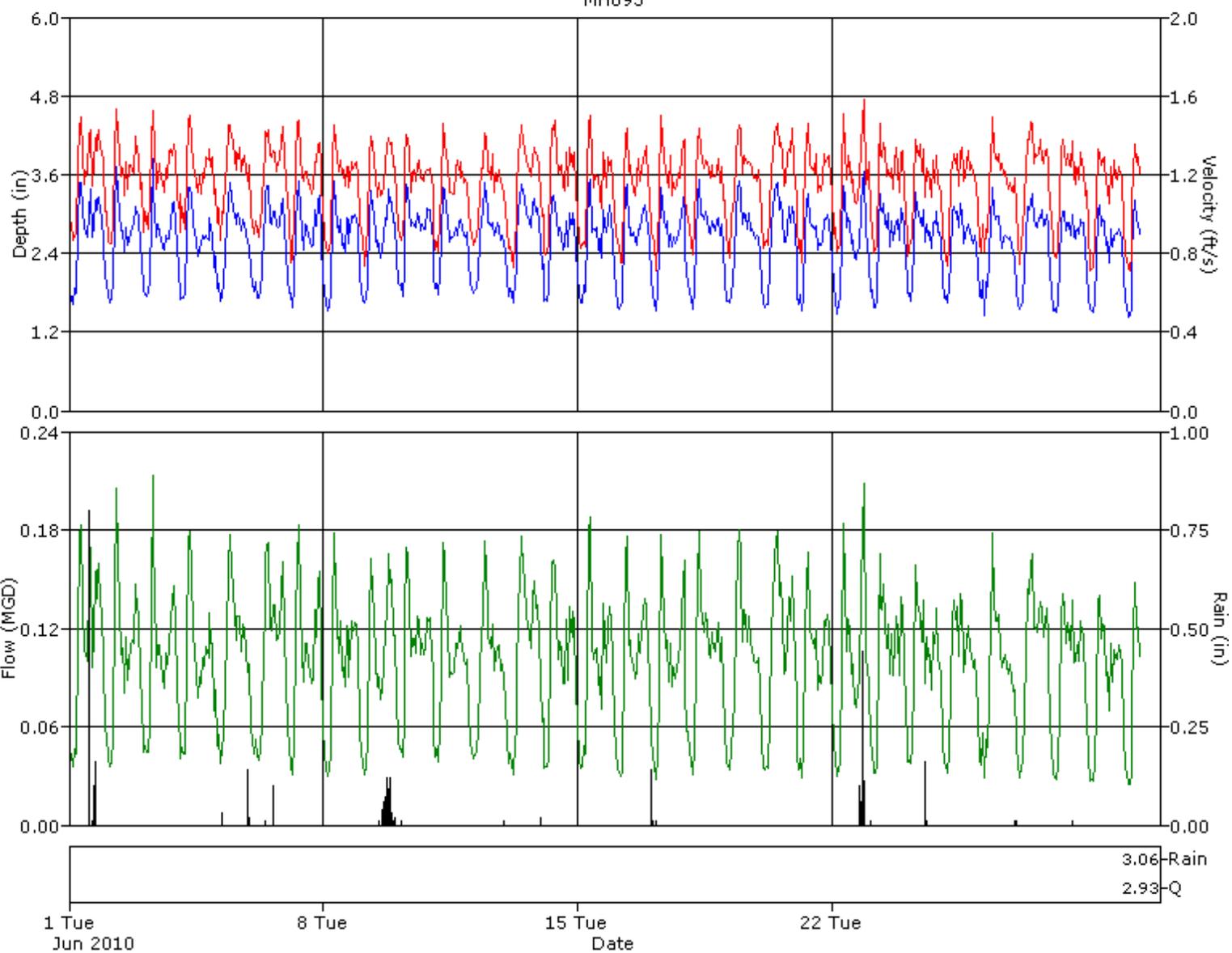
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH893

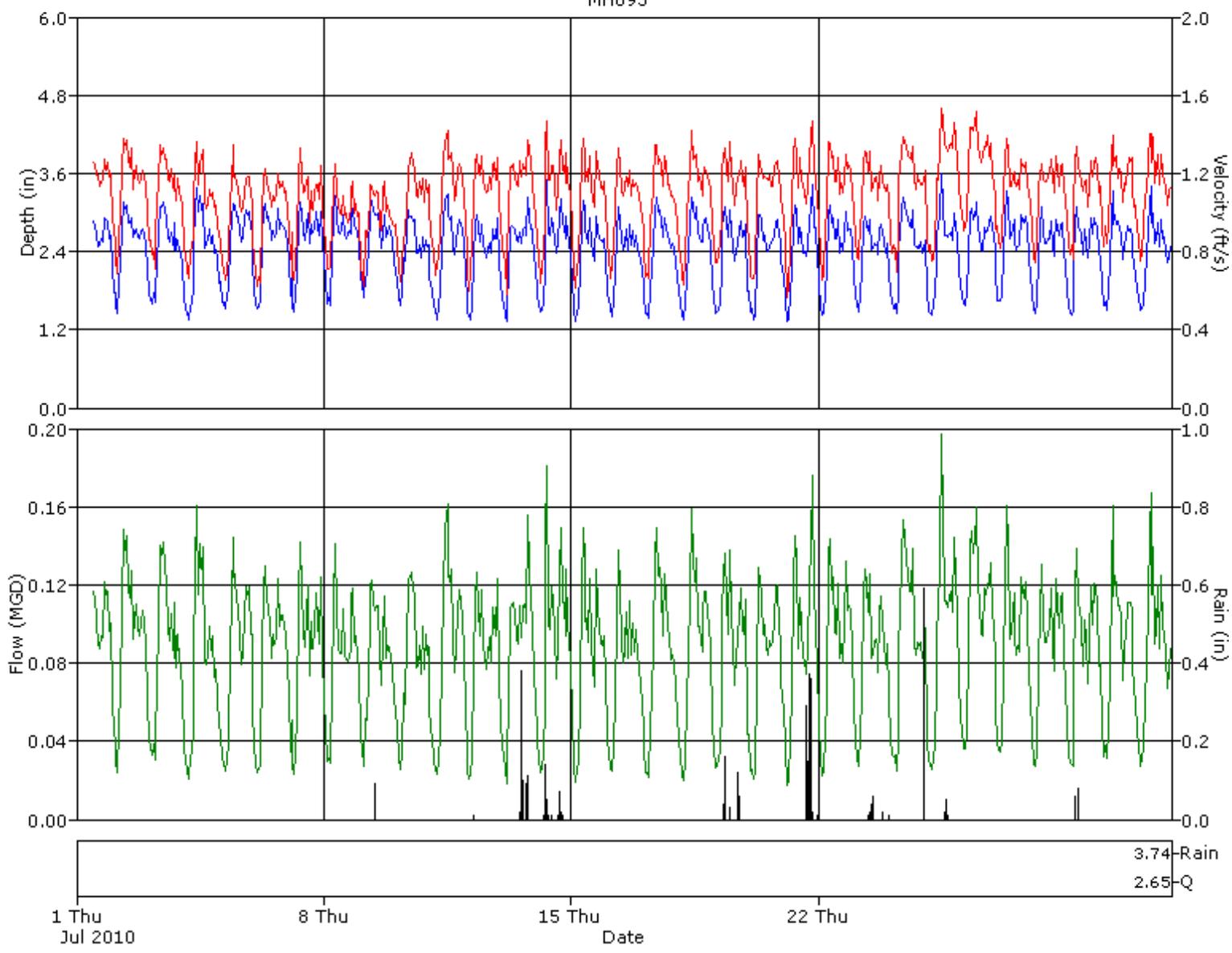
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH893

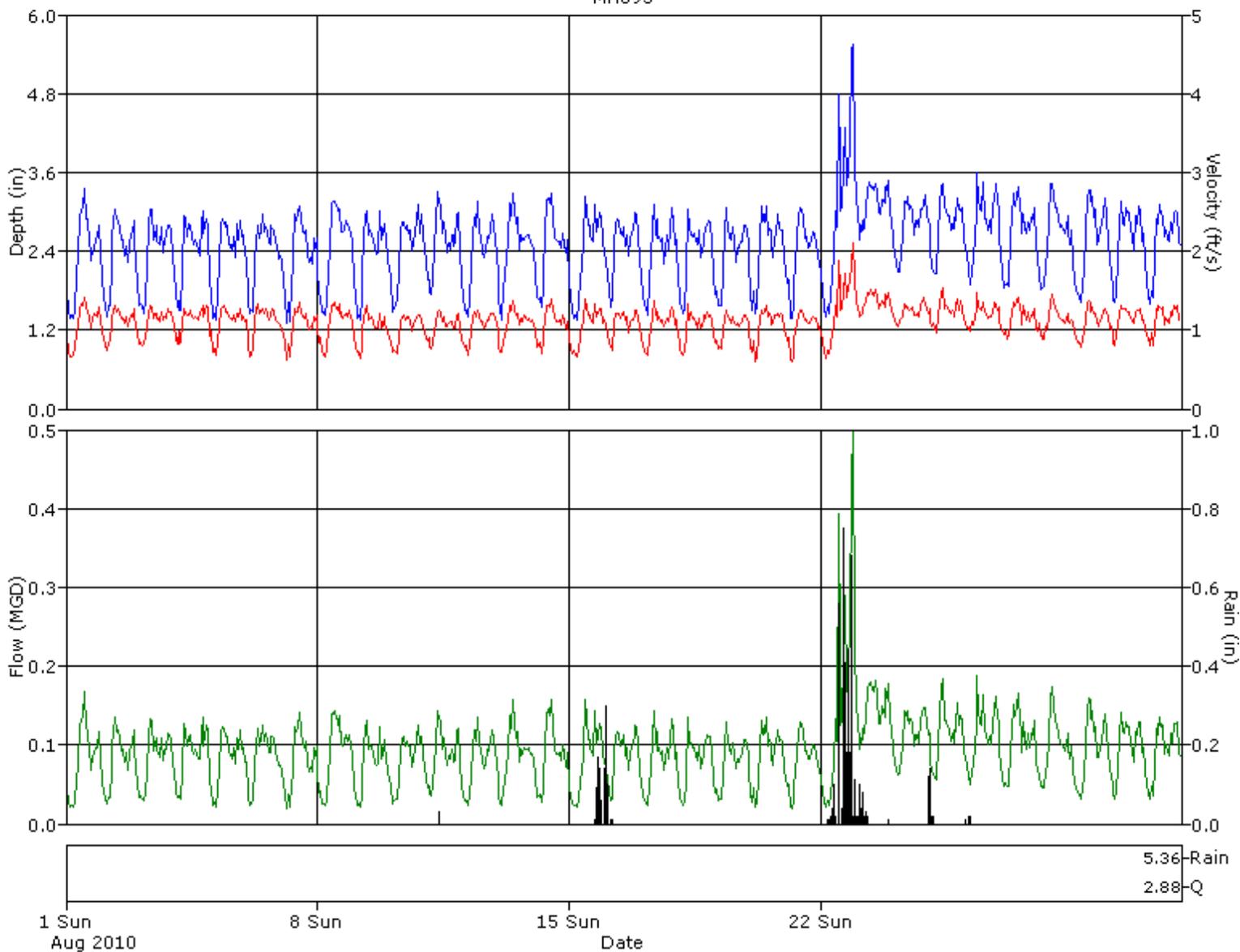
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH893

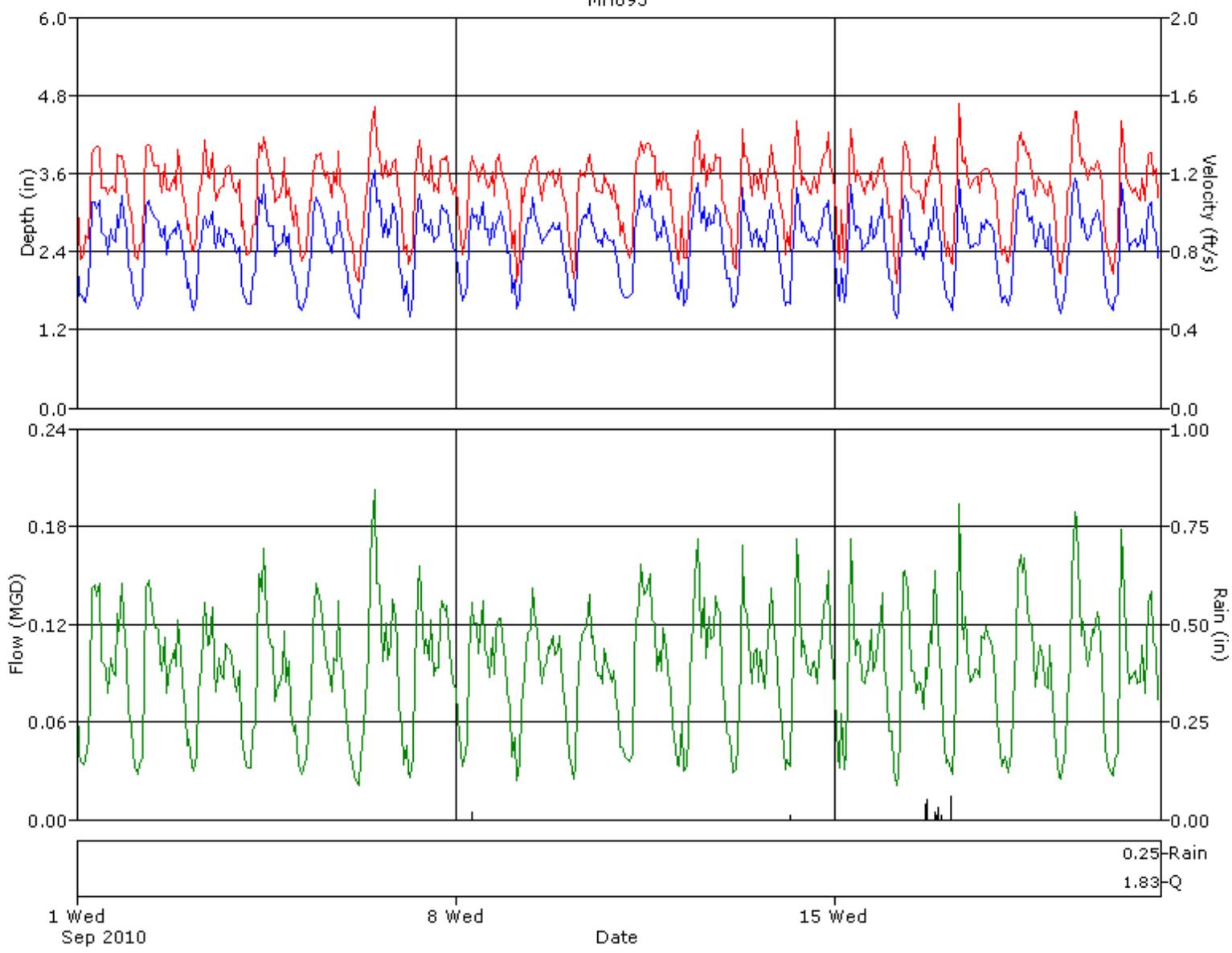
Flow Monitor
MH893

Nominal Diameter
12-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:30	2.84	23:15	5.52	3.73	04:30	1.14	23:15	1.99	1.50	04:00	0.109	23:15	0.452	0.206	0.206	1.18
3/23/2010	23:15	4.43	01:00	6.23	5.07	23:30	1.72	07:00	2.22	1.92	23:30	0.298	01:00	0.582	0.393	0.393	0.83
3/24/2010	03:15	4.16	08:30	5.49	4.57	04:30	1.62	08:45	2.09	1.80	16:30	0.268	08:45	0.467	0.321	0.321	
3/25/2010	02:45	3.74	07:15	5.11	4.22	05:15	1.58	06:45	1.92	1.75	02:45	0.218	07:15	0.395	0.279	0.279	0.01
3/26/2010	04:45	3.55	07:00	4.94	4.05	04:00	1.48	19:45	1.92	1.70	04:00	0.188	07:00	0.347	0.257	0.257	0.26
3/27/2010	06:00	3.23	11:45	4.45	3.89	05:00	1.31	10:00	1.92	1.59	06:00	0.144	10:00	0.326	0.229	0.229	
3/28/2010	05:45	3.04	13:15	4.48	3.77	02:45	1.35	10:00	1.82	1.56	05:45	0.140	10:00	0.290	0.216	0.216	0.10
3/29/2010	00:30	3.60	08:15	5.48	4.89	00:30	1.38	12:00	2.08	1.87	00:30	0.177	08:15	0.467	0.366	0.366	1.51
3/30/2010	05:00	4.23	12:15	6.96	5.71	03:00	1.68	10:15	2.46	2.12	05:15	0.277	10:45	0.737	0.515	0.515	1.34
3/31/2010	23:00	4.47	00:15	5.76	5.16	21:15	1.82	07:15	2.19	2.01	21:15	0.315	09:15	0.525	0.421	0.421	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			3.202	5.29
Report Avg	4.51	1.78	0.320	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	03:15	3.98	09:30	5.07	4.48	05:30	1.72	11:00	2.09	1.88	05:30	0.254	11:00	0.414	0.326	0.326	
4/2/2010	03:15	3.61	09:45	4.83	4.19	05:30	1.62	01:45	1.95	1.80	05:30	0.218	09:45	0.360	0.285	0.285	
4/3/2010	05:00	3.30	18:45	4.64	3.92	05:45	1.45	11:15	1.88	1.68	04:15	0.170	18:45	0.329	0.244	0.244	
4/4/2010	05:45	3.03	11:00	4.65	3.75	04:00	1.38	10:45	1.85	1.61	04:00	0.147	11:00	0.330	0.221	0.221	
4/5/2010	03:15	2.81	20:45	4.49	3.57	02:15	1.25	20:30	1.82	1.57	02:15	0.117	20:45	0.315	0.201	0.201	
4/6/2010	03:45	2.56	08:00	3.90	3.27	00:45	1.25	07:00	1.75	1.49	04:15	0.103	08:00	0.246	0.168	0.168	
4/7/2010	03:30	2.38	07:30	4.28	3.19	04:00	1.18	20:15	1.72	1.45	04:00	0.085	07:30	0.278	0.160	0.160	
4/8/2010	04:30	2.23	07:30	3.93	3.05	00:45	1.14	07:30	1.72	1.41	03:45	0.078	07:30	0.248	0.146	0.146	0.11
4/9/2010	02:30	2.29	07:00	3.73	3.01	01:45	1.11	21:15	1.72	1.39	02:30	0.077	20:45	0.213	0.141	0.141	0.30
4/10/2010	03:30	2.13	09:45	3.90	3.02	05:15	1.08	10:30	1.68	1.39	05:15	0.067	09:45	0.231	0.143	0.143	
4/11/2010	04:30	2.10	09:30	3.73	2.99	04:30	1.05	09:30	1.72	1.39	04:30	0.063	09:30	0.231	0.141	0.141	
4/12/2010	01:45	2.02	07:45	3.69	2.87	04:45	1.08	21:45	1.67	1.35	04:15	0.065	21:45	0.217	0.129	0.129	
4/13/2010	01:30	2.23	00:00	2.98	2.53	01:45	1.01	00:00	1.38	1.17	01:30	0.068	00:00	0.136	0.092	0.019	
4/14/2010																	
4/15/2010																	0.03
4/16/2010																	0.22
4/17/2010																	0.06
4/18/2010																	
4/19/2010																	
4/20/2010																	
4/21/2010																	0.05
4/22/2010																	0.01
4/23/2010																	
4/24/2010																	
4/25/2010																	0.65
4/26/2010																	0.88
4/27/2010																	0.06
4/28/2010																	
4/29/2010																	
4/30/2010																	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.326	2.37
Report Avg	3.43	1.53	0.191	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity						Rain
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010																	
5/2/2010																	
5/3/2010																	0.56
5/4/2010	14:00	2.60	22:15	3.65	3.00	13:00	1.13	21:15	1.62	1.37	14:00	0.093	21:15	0.204	0.137	0.063	
5/5/2010	03:45	1.94	07:45	3.66	2.83	03:30	0.98	07:00	1.68	1.30	04:00	0.055	07:00	0.215	0.123	0.123	0.01
5/6/2010	02:45	1.92	08:15	3.71	2.84	02:30	0.91	07:00	1.62	1.30	02:45	0.048	07:00	0.215	0.124	0.124	
5/7/2010	03:00	1.93	07:30	3.95	2.83	02:00	0.98	07:30	1.68	1.29	03:30	0.054	07:30	0.245	0.122	0.122	
5/8/2010	03:45	1.87	12:45	3.68	2.81	03:30	0.88	10:30	1.62	1.29	03:45	0.046	12:45	0.209	0.121	0.121	0.14
5/9/2010	04:15	1.85	10:30	4.04	2.81	04:30	0.84	13:15	1.58	1.26	05:30	0.042	10:30	0.233	0.120	0.120	
5/10/2010	02:15	1.70	09:30	3.64	2.74	01:45	0.84	07:00	1.58	1.24	04:30	0.038	08:00	0.203	0.113	0.113	
5/11/2010	04:30	1.81	07:30	3.78	2.66	03:30	0.74	07:15	1.78	1.23	04:15	0.032	07:15	0.242	0.108	0.108	
5/12/2010	01:45	1.73	09:00	3.63	2.73	01:30	0.86	21:00	1.62	1.25	01:45	0.039	21:45	0.206	0.113	0.113	0.46
5/13/2010	03:30	1.70	07:00	3.87	2.67	04:15	0.74	07:15	1.65	1.22	04:15	0.033	07:30	0.231	0.108	0.108	
5/14/2010	03:45	1.80	07:45	3.46	2.66	04:30	0.94	09:00	1.55	1.24	04:30	0.046	08:00	0.183	0.107	0.107	0.14
5/15/2010	04:45	1.88	09:00	3.78	2.68	01:45	0.81	10:30	1.56	1.24	02:30	0.036	09:00	0.212	0.110	0.110	
5/16/2010	04:30	1.71	11:15	3.69	2.80	03:00	0.84	11:15	1.58	1.25	04:30	0.037	11:15	0.210	0.120	0.120	
5/17/2010	03:45	1.77	07:45	3.62	2.70	02:45	0.77	07:45	1.49	1.21	03:45	0.038	07:45	0.192	0.108	0.108	
5/18/2010	04:15	1.67	07:15	3.67	2.72	03:15	0.81	18:00	1.58	1.23	04:15	0.034	06:45	0.200	0.113	0.113	0.81
5/19/2010	03:45	1.82	07:45	3.81	2.77	03:30	0.77	07:45	1.72	1.28	03:30	0.039	07:45	0.238	0.118	0.118	0.02
5/20/2010	03:15	1.74	07:45	3.78	2.71	02:45	0.77	07:30	1.65	1.24	02:45	0.038	07:45	0.221	0.111	0.111	
5/21/2010	04:00	1.69	07:30	3.92	2.71	01:30	0.94	07:30	1.68	1.26	03:45	0.044	07:30	0.242	0.112	0.112	
5/22/2010	04:30	1.69	09:45	4.04	2.73	04:15	0.81	22:00	1.62	1.24	04:15	0.036	11:00	0.231	0.113	0.113	
5/23/2010	04:45	1.69	10:15	3.63	2.73	04:30	0.77	10:45	1.51	1.22	04:30	0.034	10:15	0.187	0.112	0.112	
5/24/2010	04:15	1.69	22:15	3.63	2.77	04:15	0.76	21:00	1.55	1.25	04:15	0.033	22:15	0.201	0.116	0.116	0.03
5/25/2010	04:15	1.68	08:45	3.76	2.69	03:45	0.77	07:15	1.62	1.20	03:45	0.035	07:15	0.212	0.107	0.107	
5/26/2010	04:15	1.66	07:00	3.99	2.71	04:45	0.71	06:45	1.72	1.19	04:45	0.030	06:45	0.251	0.108	0.108	
5/27/2010	04:00	1.57	07:45	3.88	2.60	02:45	0.71	07:30	1.55	1.16	02:45	0.028	07:30	0.216	0.100	0.100	
5/28/2010	04:15	1.53	08:00	3.58	2.59	04:45	0.74	06:45	1.48	1.16	04:15	0.028	07:30	0.178	0.098	0.098	0.06
5/29/2010	04:00	1.59	09:30	3.63	2.63	04:00	0.71	12:45	1.52	1.16	04:00	0.028	09:30	0.188	0.101	0.101	0.04
5/30/2010	05:45	1.53	14:15	3.60	2.55	03:15	0.71	14:15	1.58	1.15	05:00	0.028	14:15	0.203	0.098	0.098	
5/31/2010	04:45	1.49	10:30	3.87	2.65	03:45	0.64	10:45	1.50	1.17	03:45	0.024	10:30	0.209	0.105	0.105	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			3.072	2.27
Report Avg	2.72	1.23	0.112	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	03:30	1.48	14:00	3.87	2.71	03:15	0.73	13:45	1.88	1.22	02:30	0.028	13:45	0.267	0.112	0.112	1.07
6/2/2010	04:30	1.60	07:00	3.83	2.60	03:00	0.77	07:15	1.62	1.18	04:30	0.031	08:15	0.216	0.101	0.101	
6/3/2010	03:30	1.67	07:45	3.97	2.62	01:15	0.84	09:00	1.65	1.21	02:00	0.038	07:15	0.223	0.104	0.104	
6/4/2010	03:15	1.54	08:00	3.63	2.53	02:30	0.77	07:30	1.62	1.19	02:30	0.031	08:45	0.208	0.098	0.098	
6/5/2010	04:30	1.66	10:00	3.70	2.63	04:45	0.81	10:00	1.52	1.21	04:45	0.034	10:00	0.202	0.104	0.104	0.19
6/6/2010	04:30	1.55	12:45	3.87	2.62	02:00	0.81	11:00	1.55	1.19	04:30	0.032	12:45	0.215	0.104	0.104	0.11
6/7/2010	03:45	1.49	08:45	3.76	2.59	03:00	0.67	06:45	1.55	1.16	02:00	0.028	08:45	0.210	0.100	0.100	
6/8/2010	04:00	1.47	07:30	3.58	2.57	03:30	0.67	09:00	1.48	1.15	04:30	0.024	07:30	0.184	0.098	0.098	
6/9/2010	03:45	1.60	19:30	3.71	2.60	03:00	0.67	08:00	1.55	1.15	04:45	0.029	19:30	0.207	0.099	0.099	0.57
6/10/2010	04:30	1.71	06:45	3.76	2.71	03:00	0.77	06:45	1.58	1.16	03:45	0.036	06:45	0.215	0.105	0.105	0.01
6/11/2010	03:30	1.69	07:30	3.68	2.64	02:45	0.74	07:30	1.55	1.14	03:15	0.033	07:30	0.204	0.099	0.099	
6/12/2010	04:45	1.68	10:15	3.56	2.60	04:45	0.77	11:15	1.48	1.13	04:45	0.033	11:15	0.186	0.096	0.096	0.01
6/13/2010	05:15	1.60	11:45	3.71	2.67	05:30	0.69	11:45	1.58	1.14	05:30	0.028	11:45	0.211	0.103	0.103	0.02
6/14/2010	03:45	1.55	09:30	3.48	2.59	03:15	0.71	08:45	1.58	1.17	03:45	0.027	09:30	0.189	0.100	0.100	
6/15/2010	03:15	1.46	07:45	3.98	2.57	04:45	0.62	08:15	1.72	1.13	04:45	0.022	08:15	0.248	0.097	0.097	
6/16/2010	03:45	1.44	07:45	3.64	2.58	04:00	0.67	07:30	1.62	1.14	05:00	0.026	07:30	0.209	0.097	0.097	
6/17/2010	03:30	1.43	22:15	3.75	2.54	03:45	0.61	07:45	1.85	1.13	03:45	0.021	07:45	0.224	0.095	0.095	0.16
6/18/2010	04:45	1.51	08:00	3.59	2.64	04:00	0.73	08:00	1.51	1.17	04:15	0.028	08:00	0.193	0.102	0.102	
6/19/2010	05:00	1.53	10:15	3.92	2.62	04:00	0.67	09:30	1.58	1.18	04:00	0.026	09:30	0.220	0.102	0.102	
6/20/2010	04:15	1.52	12:15	3.79	2.61	05:30	0.71	12:15	1.62	1.18	05:30	0.027	12:15	0.222	0.104	0.104	
6/21/2010	02:45	1.45	07:30	3.54	2.55	04:30	0.66	08:15	1.65	1.16	04:45	0.025	08:15	0.199	0.097	0.097	
6/22/2010	03:30	1.40	21:15	3.85	2.56	03:30	0.71	21:00	1.85	1.16	03:30	0.023	21:00	0.257	0.099	0.099	0.71
6/23/2010	04:15	1.41	07:45	3.53	2.62	05:00	0.64	07:30	1.62	1.18	05:00	0.023	07:30	0.190	0.102	0.102	0.01
6/24/2010	03:45	1.56	07:15	3.45	2.61	04:15	0.64	10:00	1.51	1.14	04:15	0.025	07:15	0.175	0.098	0.098	0.17
6/25/2010	04:45	1.55	08:00	3.38	2.57	04:00	0.64	18:45	1.48	1.15	04:00	0.025	10:15	0.167	0.096	0.096	
6/26/2010	04:45	1.40	10:00	3.63	2.51	04:15	0.71	10:00	1.65	1.14	04:45	0.024	10:00	0.214	0.094	0.094	
6/27/2010	05:00	1.43	17:00	3.49	2.55	03:30	0.64	11:15	1.72	1.19	04:30	0.024	11:15	0.206	0.101	0.101	0.02
6/28/2010	04:15	1.44	08:15	3.37	2.50	03:00	0.71	07:30	1.49	1.15	03:00	0.025	07:30	0.174	0.094	0.094	0.01
6/29/2010	04:00	1.39	07:45	3.41	2.45	02:15	0.64	08:00	1.44	1.12	04:15	0.022	08:00	0.169	0.089	0.089	
6/30/2010	04:00	1.36	08:15	3.37	2.23	04:00	0.61	08:15	1.41	1.01	04:00	0.019	08:15	0.165	0.074	0.038	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.929	3.06
Report Avg	2.59	1.16	0.099	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	16:45	2.21	19:15	3.15	2.69	18:30	1.01	12:15	1.38	1.20	18:30	0.067	19:15	0.143	0.103	0.055	
7/2/2010	03:00	1.40	10:30	3.41	2.51	04:15	0.57	10:15	1.51	1.12	04:15	0.019	10:30	0.168	0.092	0.092	
7/3/2010	03:45	1.36	10:15	3.40	2.42	03:45	0.57	09:45	1.45	1.08	03:45	0.018	09:45	0.171	0.085	0.085	
7/4/2010	04:45	1.32	10:00	3.54	2.39	03:45	0.54	10:00	1.45	1.03	03:45	0.017	10:00	0.181	0.080	0.080	
7/5/2010	04:45	1.41	10:15	3.40	2.52	03:45	0.61	10:15	1.48	1.01	04:45	0.021	10:15	0.175	0.085	0.085	
7/6/2010	04:15	1.46	06:45	3.27	2.52	03:15	0.54	07:45	1.29	1.01	05:00	0.020	08:30	0.142	0.084	0.084	
7/7/2010	04:00	1.38	13:45	3.41	2.52	04:00	0.50	08:45	1.48	1.03	04:00	0.016	08:45	0.166	0.085	0.085	
7/8/2010	04:15	1.39	07:45	3.57	2.54	04:00	0.64	07:45	1.41	0.98	04:00	0.022	07:45	0.179	0.081	0.081	
7/9/2010	03:30	1.66	09:45	3.42	2.62	03:00	0.54	17:15	1.28	0.98	03:00	0.024	09:45	0.145	0.084	0.084	0.09
7/10/2010	04:45	1.49	11:30	3.40	2.44	05:30	0.54	10:45	1.45	1.04	04:30	0.022	11:30	0.171	0.082	0.082	
7/11/2010	05:30	1.33	11:45	3.70	2.43	04:15	0.60	11:45	1.55	1.10	05:00	0.019	11:45	0.206	0.088	0.088	
7/12/2010	04:30	1.28	15:45	3.17	2.33	03:45	0.54	22:00	1.41	1.08	04:00	0.016	22:00	0.150	0.080	0.080	0.01
7/13/2010	03:00	1.24	19:15	3.68	2.41	04:30	0.54	19:45	1.53	1.10	04:30	0.016	19:15	0.200	0.086	0.086	0.70
7/14/2010	03:45	1.25	08:00	3.60	2.50	03:45	0.50	08:45	1.51	1.11	03:45	0.014	08:45	0.192	0.092	0.092	0.36
7/15/2010	03:45	1.31	09:00	3.49	2.41	02:15	0.57	00:30	1.51	1.09	03:30	0.017	09:00	0.178	0.085	0.085	
7/16/2010	05:00	1.25	08:00	3.31	2.35	03:15	0.61	08:00	1.45	1.06	03:45	0.020	08:00	0.165	0.079	0.079	
7/17/2010	04:00	1.30	17:00	3.55	2.40	03:30	0.57	09:45	1.48	1.07	04:00	0.018	17:00	0.186	0.084	0.084	
7/18/2010	05:45	1.31	10:15	3.43	2.41	05:45	0.60	10:15	1.58	1.07	05:45	0.018	10:15	0.190	0.085	0.085	
7/19/2010	04:30	1.24	10:45	3.25	2.41	03:45	0.62	12:30	1.41	1.10	04:15	0.018	12:30	0.156	0.086	0.086	0.41
7/20/2010	04:00	1.32	07:30	3.27	2.37	04:00	0.55	07:30	1.46	1.08	04:00	0.017	07:30	0.164	0.082	0.082	
7/21/2010	05:00	1.23	20:00	3.66	2.45	03:30	0.54	19:45	1.59	1.11	05:00	0.015	20:00	0.208	0.090	0.090	1.20
7/22/2010	04:30	1.30	08:15	3.45	2.43	03:15	0.50	07:45	1.55	1.11	03:15	0.016	08:15	0.187	0.088	0.088	
7/23/2010	04:00	1.36	11:15	3.29	2.37	03:45	0.67	09:00	1.58	1.10	04:00	0.022	09:00	0.177	0.083	0.083	0.15
7/24/2010	03:45	1.36	09:30	3.50	2.42	05:00	0.64	15:45	1.55	1.13	05:15	0.021	15:45	0.188	0.089	0.089	0.01
7/25/2010	05:15	1.40	12:45	3.84	2.46	02:45	0.67	12:00	1.68	1.19	05:00	0.023	12:00	0.231	0.096	0.096	0.67
7/26/2010	04:15	1.48	12:15	3.60	2.53	04:30	0.77	11:45	1.65	1.26	04:30	0.029	12:15	0.207	0.104	0.104	
7/27/2010	04:00	1.52	09:00	3.65	2.52	03:45	0.74	08:45	1.55	1.13	03:45	0.028	09:00	0.197	0.092	0.092	
7/28/2010	03:00	1.34	08:15	3.33	2.40	02:30	0.57	13:00	1.38	1.10	03:00	0.019	20:30	0.155	0.085	0.085	
7/29/2010	04:15	1.33	21:00	3.38	2.42	05:30	0.67	20:30	1.41	1.11	05:30	0.022	21:00	0.166	0.086	0.086	0.14
7/30/2010	04:00	1.48	08:00	3.47	2.46	02:00	0.77	08:00	1.45	1.14	04:00	0.028	08:00	0.176	0.090	0.090	
7/31/2010	04:15	1.43	10:45	3.71	2.40	04:00	0.64	12:30	1.58	1.13	04:00	0.022	10:45	0.206	0.087	0.087	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.649	3.74
Report Avg	2.45	1.09	0.087	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	04:00	1.32	12:30	3.74	2.35	04:00	0.57	12:45	1.62	1.09	04:00	0.017	12:45	0.216	0.083	0.083	
8/2/2010	03:45	1.34	09:30	3.34	2.36	02:45	0.67	10:45	1.41	1.10	03:45	0.022	09:30	0.159	0.083	0.083	
8/3/2010	04:45	1.35	09:30	3.52	2.39	02:45	0.67	09:30	1.43	1.11	04:30	0.025	09:30	0.178	0.084	0.084	
8/4/2010	05:00	1.47	19:30	3.46	2.43	02:45	0.71	22:45	1.55	1.13	04:00	0.026	23:00	0.172	0.088	0.088	
8/5/2010	03:00	1.31	09:30	3.25	2.37	02:45	0.57	09:15	1.41	1.10	02:45	0.017	09:30	0.150	0.083	0.083	
8/6/2010	04:30	1.35	11:45	3.30	2.38	03:00	0.61	08:45	1.48	1.10	03:45	0.019	13:00	0.160	0.084	0.084	
8/7/2010	03:30	1.21	12:00	3.20	2.35	04:45	0.50	12:30	1.48	1.06	04:45	0.014	12:30	0.158	0.080	0.080	
8/8/2010	05:15	1.31	15:45	3.46	2.48	05:15	0.54	10:45	1.48	1.09	05:15	0.016	09:15	0.174	0.090	0.090	
8/9/2010	04:30	1.23	17:00	3.33	2.36	04:30	0.47	09:45	1.39	1.02	04:30	0.013	09:45	0.156	0.077	0.077	
8/10/2010	04:15	1.35	19:45	3.36	2.45	04:45	0.53	19:45	1.29	1.02	04:15	0.017	19:45	0.150	0.081	0.081	
8/11/2010	03:45	1.61	08:15	3.74	2.53	04:15	0.61	22:45	1.35	1.04	04:15	0.026	08:15	0.181	0.085	0.085	0.03
8/12/2010	04:30	1.33	11:15	3.58	2.39	04:30	0.57	12:00	1.38	1.06	04:30	0.018	11:15	0.173	0.081	0.081	
8/13/2010	03:15	1.35	10:00	3.57	2.47	03:15	0.67	09:15	1.45	1.09	03:15	0.021	10:00	0.183	0.087	0.087	
8/14/2010	05:15	1.50	12:30	3.58	2.45	05:45	0.64	11:15	1.45	1.08	05:45	0.025	12:30	0.184	0.086	0.086	
8/15/2010	03:30	1.29	10:45	3.91	2.37	05:15	0.57	11:00	1.72	1.05	05:15	0.018	11:00	0.236	0.082	0.082	0.61
8/16/2010	03:30	1.47	18:30	3.48	2.48	03:30	0.71	11:45	1.43	1.09	03:30	0.025	18:30	0.155	0.087	0.087	0.42
8/17/2010	04:45	1.35	20:00	3.35	2.41	03:15	0.54	08:00	1.48	1.07	03:15	0.020	20:30	0.162	0.083	0.083	
8/18/2010	03:45	1.32	20:30	3.27	2.38	04:30	0.54	07:45	1.38	1.05	04:30	0.017	20:30	0.154	0.080	0.080	
8/19/2010	05:00	1.38	10:00	3.37	2.39	05:00	0.65	10:00	1.45	1.06	05:00	0.021	10:00	0.169	0.080	0.080	
8/20/2010	03:00	1.35	11:30	3.37	2.44	04:45	0.50	11:00	1.35	1.07	04:45	0.017	11:30	0.157	0.085	0.085	
8/21/2010	04:15	1.35	10:45	3.38	2.36	04:00	0.44	10:15	1.35	1.03	04:00	0.014	10:45	0.154	0.077	0.077	
8/22/2010	04:00	1.33	20:45	8.68	3.06	03:15	0.54	11:30	2.51	1.28	03:15	0.017	20:45	0.807	0.163	0.163	3.59
8/23/2010	01:15	2.46	09:00	3.79	3.12	02:15	1.08	11:30	1.72	1.36	01:15	0.083	09:00	0.231	0.146	0.146	0.35
8/24/2010	05:00	1.92	10:00	3.82	2.81	03:15	0.91	19:45	1.55	1.23	04:15	0.055	19:45	0.214	0.114	0.114	0.12
8/25/2010	04:45	1.94	09:00	4.01	2.80	05:00	0.88	09:00	1.62	1.24	05:00	0.048	09:00	0.240	0.115	0.115	0.19
8/26/2010	04:45	1.83	08:45	3.99	2.82	03:15	0.88	08:00	1.55	1.20	03:15	0.045	08:45	0.229	0.113	0.113	0.05
8/27/2010	04:45	1.72	08:45	3.74	2.69	04:30	0.71	11:30	1.52	1.16	04:30	0.032	11:30	0.195	0.103	0.103	
8/28/2010	05:00	1.69	10:30	3.66	2.62	02:30	0.74	11:15	1.55	1.13	04:45	0.032	10:30	0.194	0.097	0.097	
8/29/2010	04:00	1.55	12:45	3.81	2.60	04:00	0.71	10:45	1.51	1.12	04:00	0.027	12:45	0.198	0.096	0.096	
8/30/2010	03:30	1.55	12:00	3.54	2.58	04:30	0.74	08:45	1.45	1.14	04:00	0.030	12:00	0.173	0.095	0.095	
8/31/2010	03:30	1.54	21:00	3.43	2.54	03:45	0.71	08:30	1.41	1.13	05:00	0.028	21:00	0.169	0.093	0.093	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.879	5.36
Report Avg	2.52	1.11	0.093	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH893, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	04:15	1.45	08:00	3.55	2.54	02:45	0.67	08:00	1.45	1.12	04:15	0.024	08:00	0.182	0.093	0.093	
9/2/2010	03:45	1.48	09:00	3.62	2.51	02:30	0.71	09:00	1.58	1.11	03:45	0.025	09:00	0.204	0.091	0.091	
9/3/2010	04:30	1.38	12:45	3.28	2.44	04:30	0.64	09:00	1.51	1.11	04:30	0.020	09:00	0.155	0.086	0.086	
9/4/2010	05:00	1.53	11:15	3.68	2.46	04:45	0.64	11:15	1.48	1.10	04:45	0.024	11:15	0.195	0.087	0.087	
9/5/2010	04:30	1.38	11:00	3.58	2.42	04:15	0.67	10:30	1.45	1.09	04:15	0.025	10:30	0.176	0.085	0.085	
9/6/2010	05:00	1.36	12:15	3.93	2.51	03:00	0.57	12:15	1.65	1.11	04:00	0.018	12:15	0.239	0.095	0.095	
9/7/2010	04:45	1.34	07:30	3.88	2.54	03:30	0.67	17:30	1.48	1.11	04:45	0.022	07:30	0.203	0.094	0.094	
9/8/2010	03:30	1.55	07:45	3.35	2.58	03:45	0.64	07:45	1.41	1.13	03:45	0.027	07:45	0.164	0.094	0.094	0.02
9/9/2010	04:45	1.45	10:45	3.47	2.54	04:45	0.54	12:00	1.45	1.10	04:45	0.019	12:00	0.169	0.091	0.091	
9/10/2010	04:15	1.41	11:00	3.43	2.47	04:45	0.57	10:15	1.40	1.08	04:45	0.020	11:00	0.165	0.086	0.086	
9/11/2010	04:15	1.38	10:15	3.54	2.56	05:15	0.64	11:00	1.50	1.13	05:15	0.024	11:00	0.186	0.096	0.096	
9/12/2010	04:00	1.52	11:30	3.59	2.57	03:00	0.57	11:15	1.45	1.10	03:00	0.022	11:30	0.185	0.095	0.095	
9/13/2010	04:00	1.44	07:00	3.64	2.51	04:00	0.54	07:00	1.51	1.12	04:00	0.018	07:00	0.197	0.091	0.091	
9/14/2010	03:45	1.45	07:00	3.62	2.56	02:45	0.64	07:00	1.55	1.15	02:45	0.023	07:00	0.200	0.097	0.097	0.01
9/15/2010	03:15	1.49	07:45	3.70	2.53	02:30	0.64	07:45	1.51	1.12	04:30	0.024	07:45	0.201	0.092	0.092	
9/16/2010	03:30	1.37	06:30	4.11	2.49	03:15	0.54	06:30	1.52	1.11	04:45	0.017	06:30	0.234	0.091	0.091	0.16
9/17/2010	04:30	1.36	07:30	3.73	2.48	03:00	0.61	07:30	1.68	1.12	04:15	0.020	07:30	0.227	0.091	0.091	0.06
9/18/2010	04:30	1.39	12:15	4.03	2.52	03:00	0.57	11:30	1.48	1.10	04:30	0.021	12:15	0.221	0.092	0.092	
9/19/2010	04:45	1.38	10:00	3.74	2.55	03:15	0.61	10:00	1.72	1.14	04:45	0.020	10:00	0.232	0.097	0.097	
9/20/2010	04:15	1.37	07:30	3.67	2.47	03:00	0.54	07:30	1.65	1.09	03:00	0.017	07:30	0.217	0.088	0.088	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.831	0.25
Report Avg	2.51	1.11	0.092	

Site Commentary

Site Information

MH-JV-PS	
Pipe Dimensions (in.)	Circular (12.25 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) and [scattergraph](#) for MH-JV-PS indicate this location experienced hydraulic jumps during the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . A hydraulic jump develops when flow transitions between supercritical and subcritical conditions, which can arise in any sewer with near or above critical velocity. The jump may be caused by imperfections in the pipe and/or a fixed downstream condition. Standing waves are also likely in flow near critical velocity. Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location. However it is possible that during the transition as the jump moves through the meter location, the flow rate calculation based on measured depth and velocity can have momentary error.

Daily [longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	2.08	2.92	0.185
Minimum	0.92	0.64	0.018
Maximum	23.21	5.89	1.394
Time of Minimum	9/11/2010 12:30 AM	7/21/2010 3:45 AM	9/19/2010 5:00 AM
Time of Maximum	3/30/2010 10:45 AM	3/29/2010 6:15 AM	3/29/2010 7:00 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

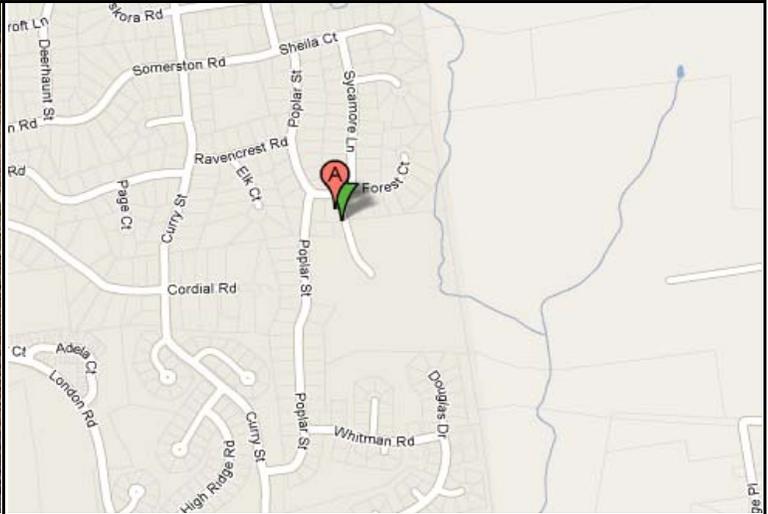
Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in the table below.

Percent Uptime	
Depth (in)	99.99
Velocity (ft/s)	99.99
Quantity (MGD)	99.99

a division of ADS LLC.

Site Name:	YORKTOWN_JV-PS	Meter Type:	4000 WR	Monitor S/N:	1540	Manhole #:	
Address / Location:	JEFFERSON VALLEY PUMP STATION			Map Page #:			
Access:	DRIVE	Type of System:	SANITARY	Pipe Height:	12.25 Inches		
				Pipe Width:	12.25 Inches		
				Phone Number:			



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 15, 2010	1:52 PM	Manhole Depth:	11 Feet	6 Inches
Site Hydraulics:	Shallow, choppy flow - dry weather flow will be erratic		Manhole Material / Condition:	BLOCK	Fair
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	Cast Iron Pipe	Fair
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	3.25 +/-	0.38	Access Pole #:	N/A	
Range (Air Dof):	7.25 +/-		Distance From Manhole:	N/A Feet	
Peak Velocity:	5.22	fps	Road Cut Length:	N/A Feet	
Silt:	0	Inches	Trench Length:	N/A Feet	

Other Information:
N 41° 19' 11.6" W 71° 46' 45.6"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station	X			100ft
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG2	Other		X		

Additional Site Information / Comments:

PRESS SN 77890 ULTRA PO 1.63

SCATTERGRAPH REPORT

MH-JV-PS

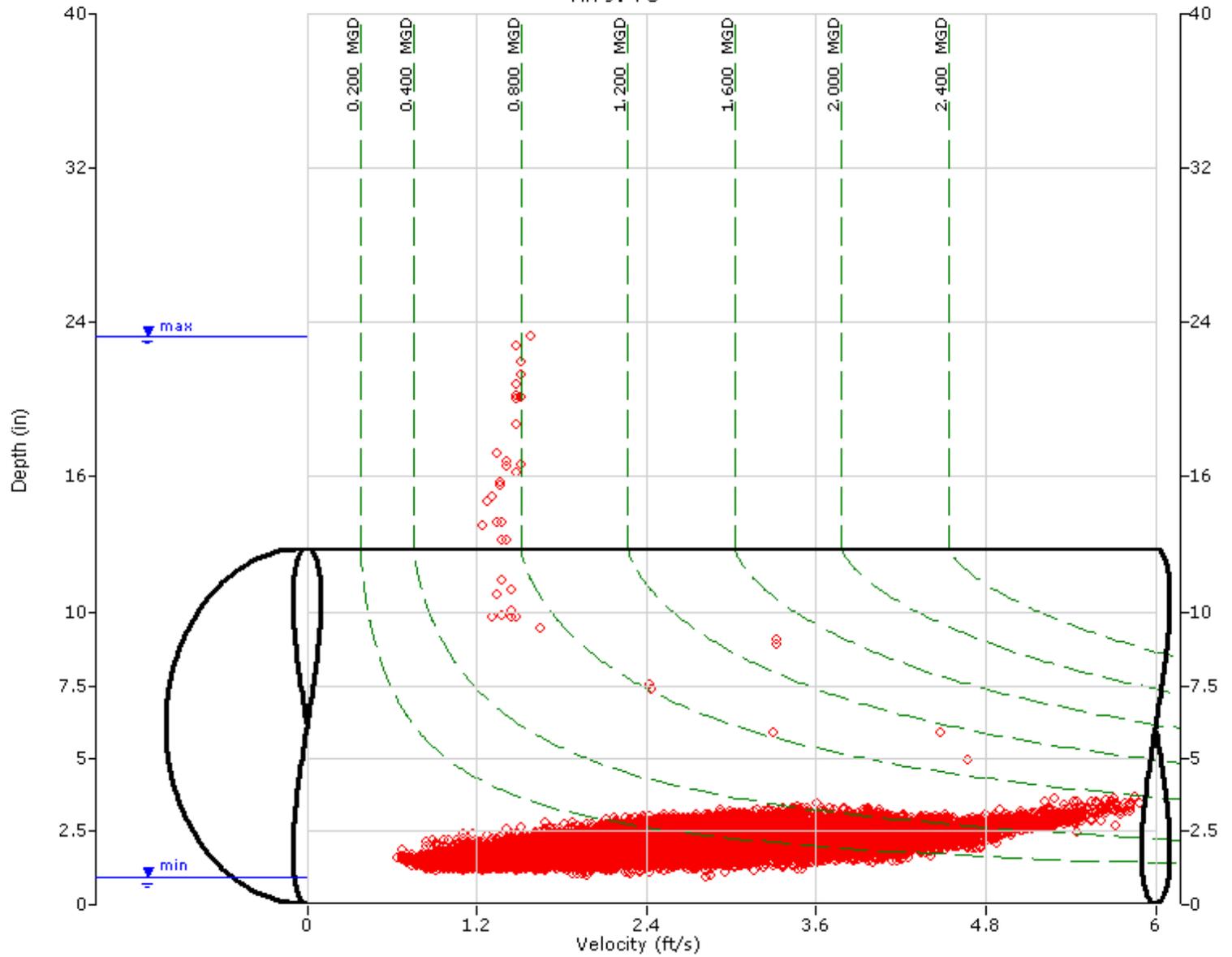
Flow Monitor
MH-JV-PS

Nominal Diameter
12-in

Report Period
3/22/2010
To
9/20/2010

Legend

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



HYDROGRAPH REPORT

MH-JV-PS

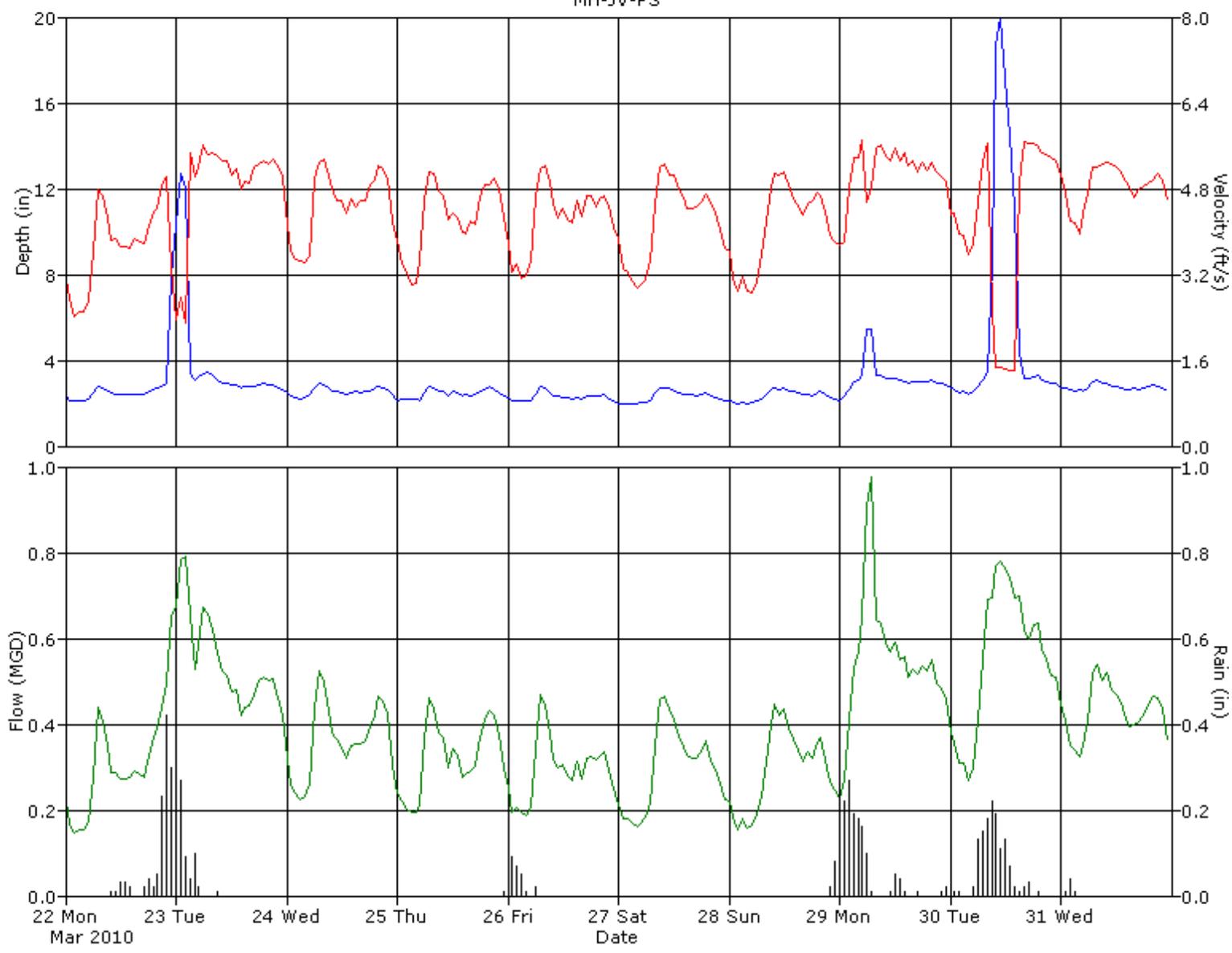
Flow Monitor
MH-JV-PS

Nominal Diameter
12-in

Report Period
3/22/2010
To
3/31/2010

Legend

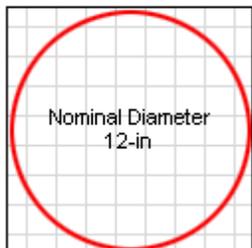
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-JV-PS

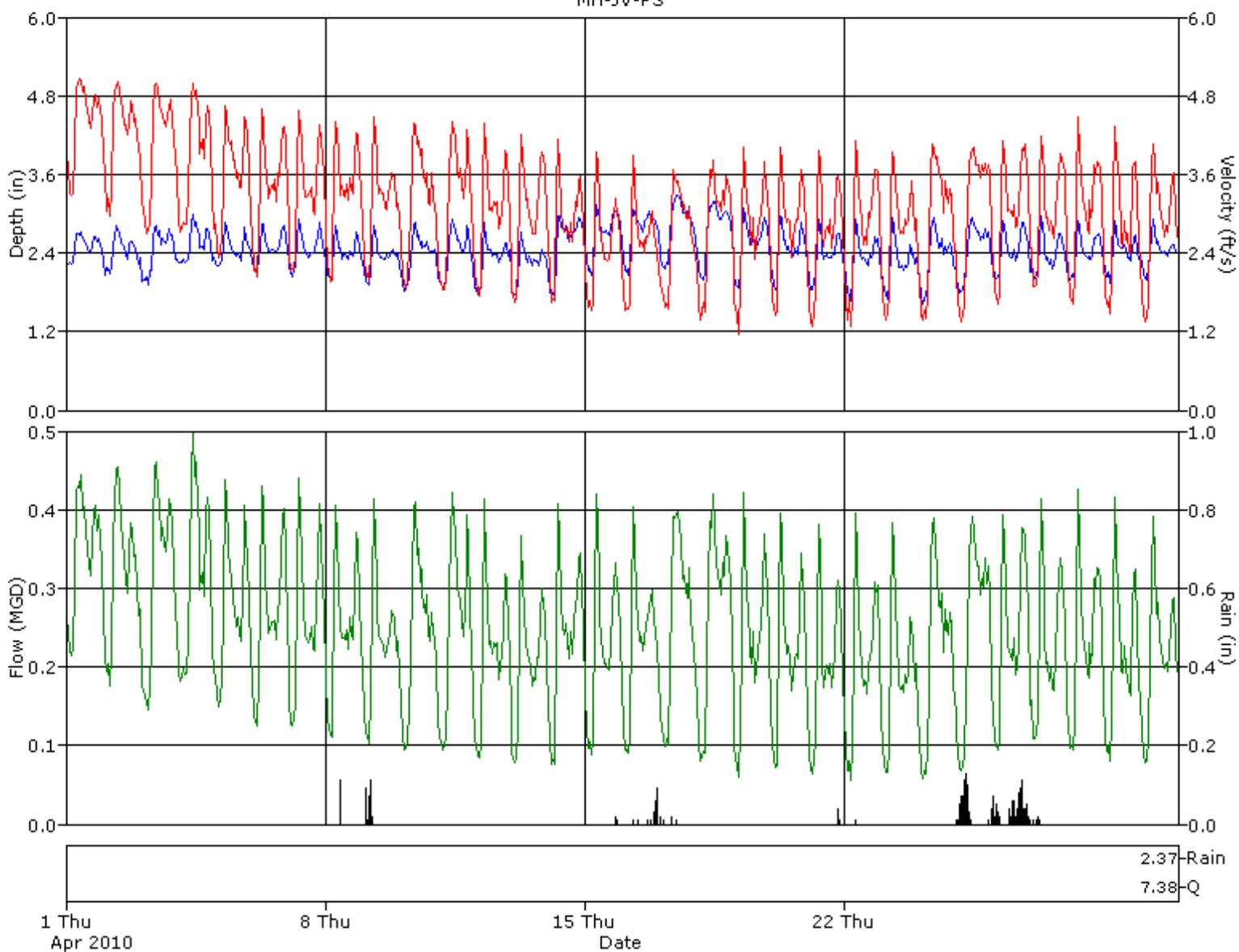
Flow Monitor
MH-JV-PS



Report Period
4/1/2010
To
4/30/2010

Legend

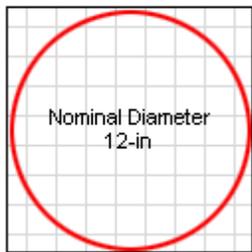
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-JV-PS

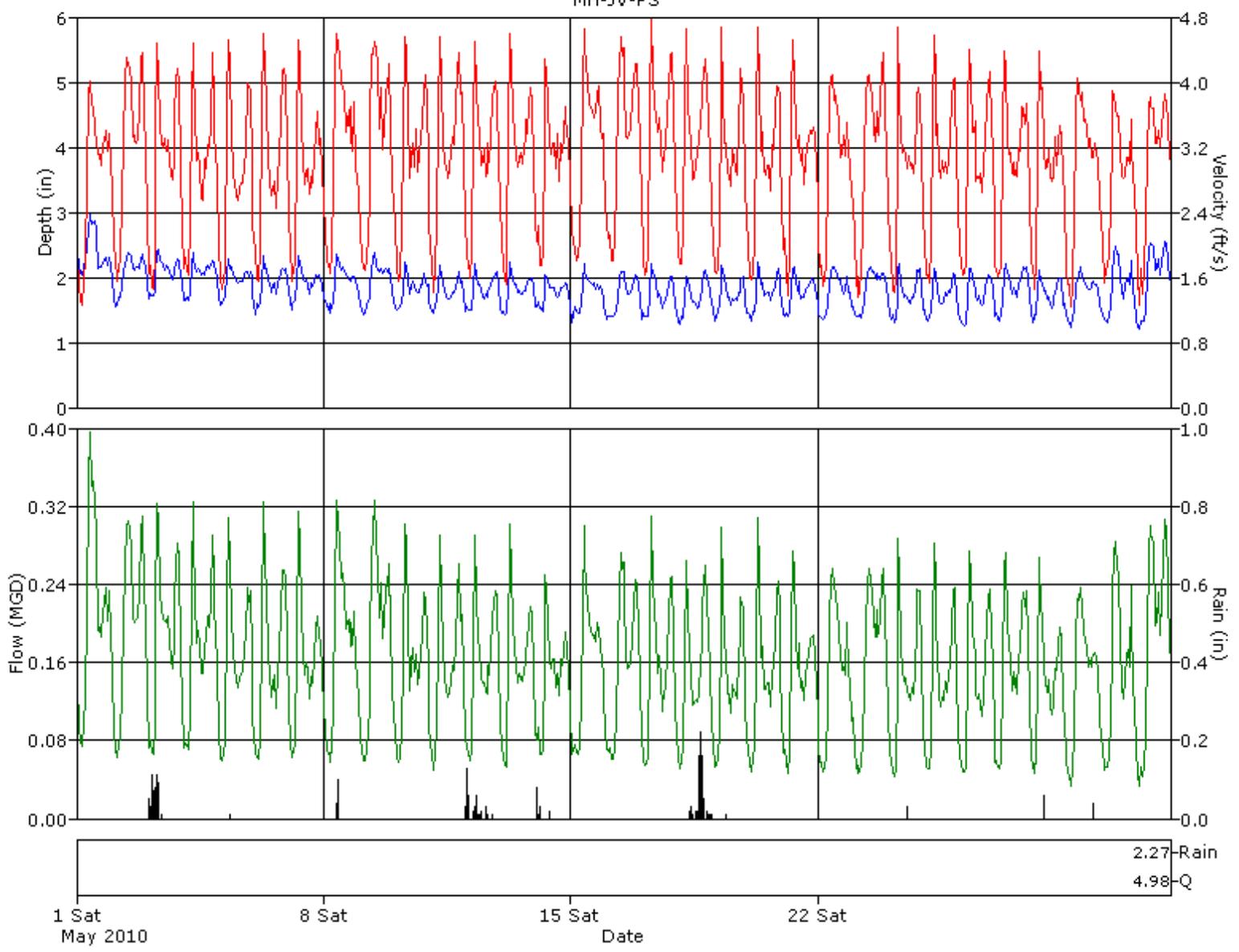
Flow Monitor
MH-JV-PS



Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-JV-PS

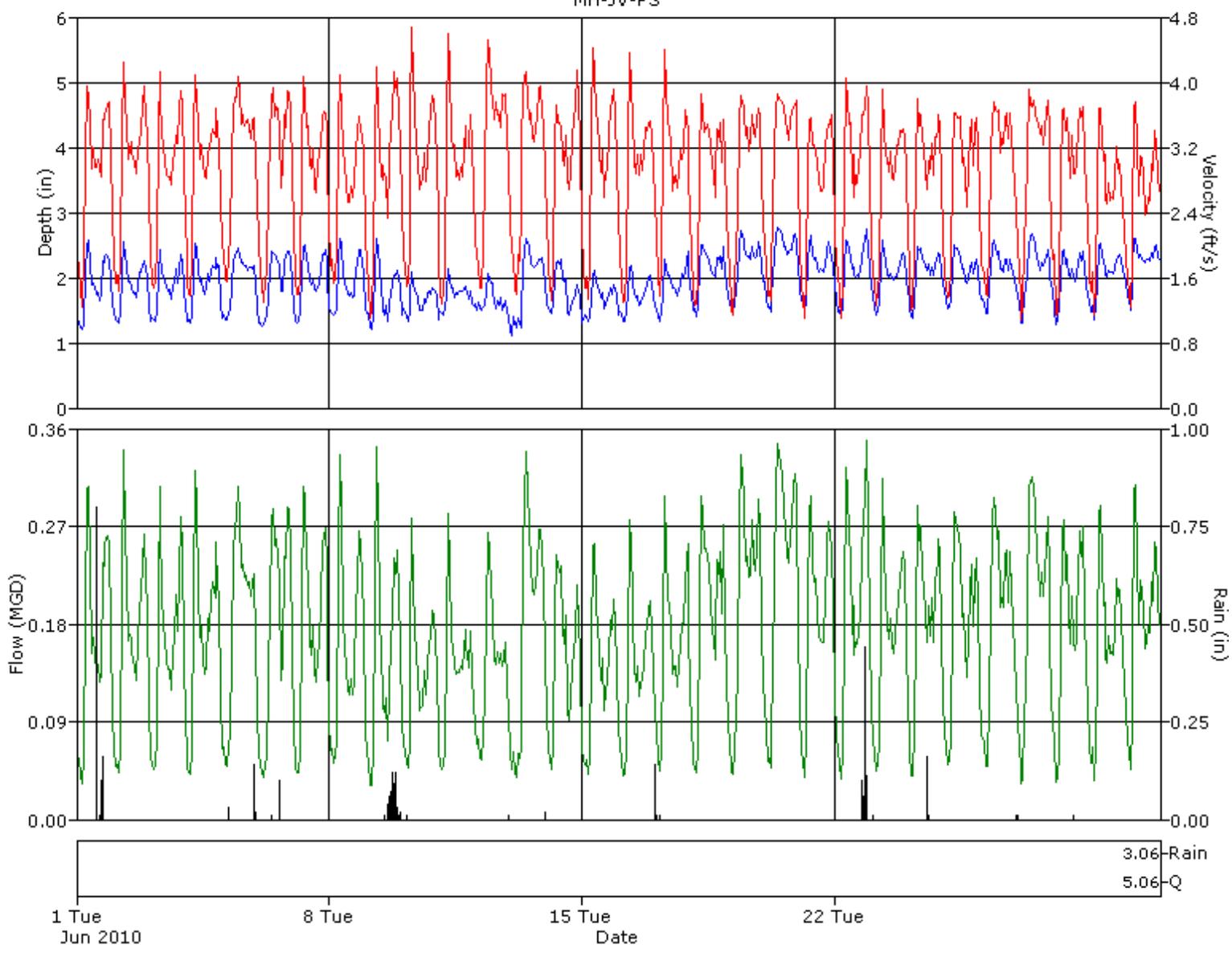
Flow Monitor
MH-JV-PS

Nominal Diameter
12-in

Report Period
6/1/2010
To
6/30/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-JV-PS

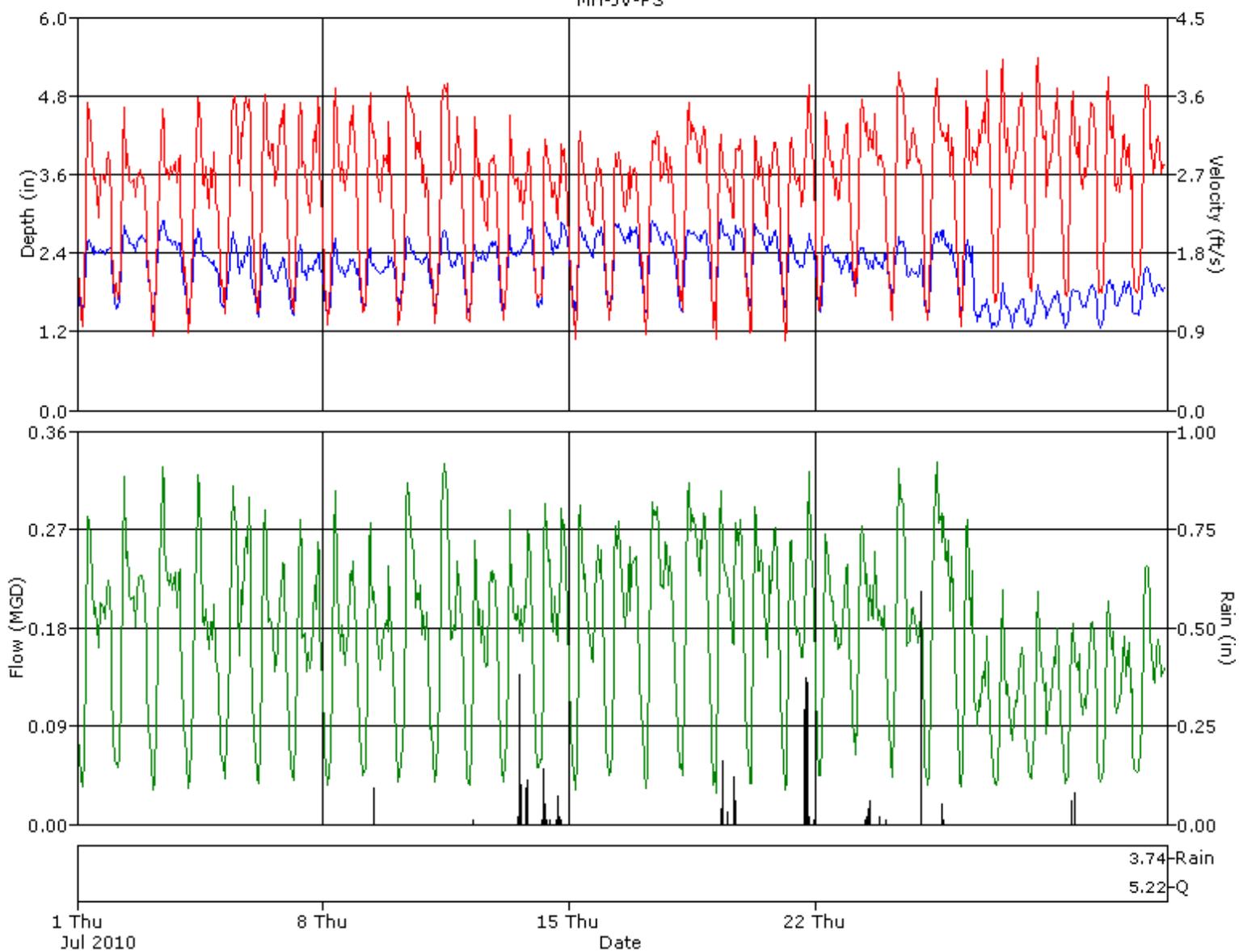
Flow Monitor
MH-JV-PS

Nominal Diameter
12-in

Report Period
7/1/2010
To
7/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-JV-PS

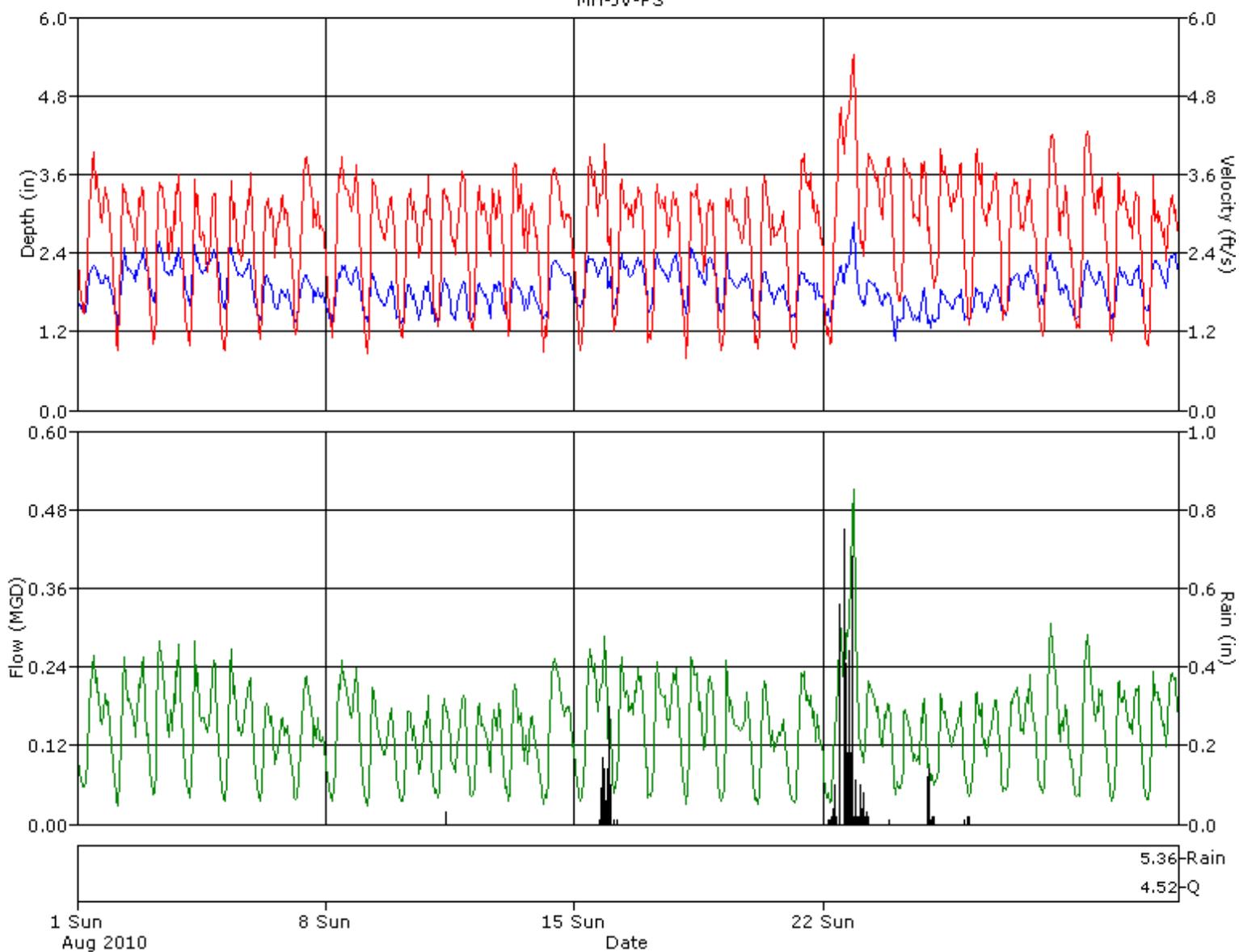
Flow Monitor
MH-JV-PS

Nominal Diameter
12-in

Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-JV-PS

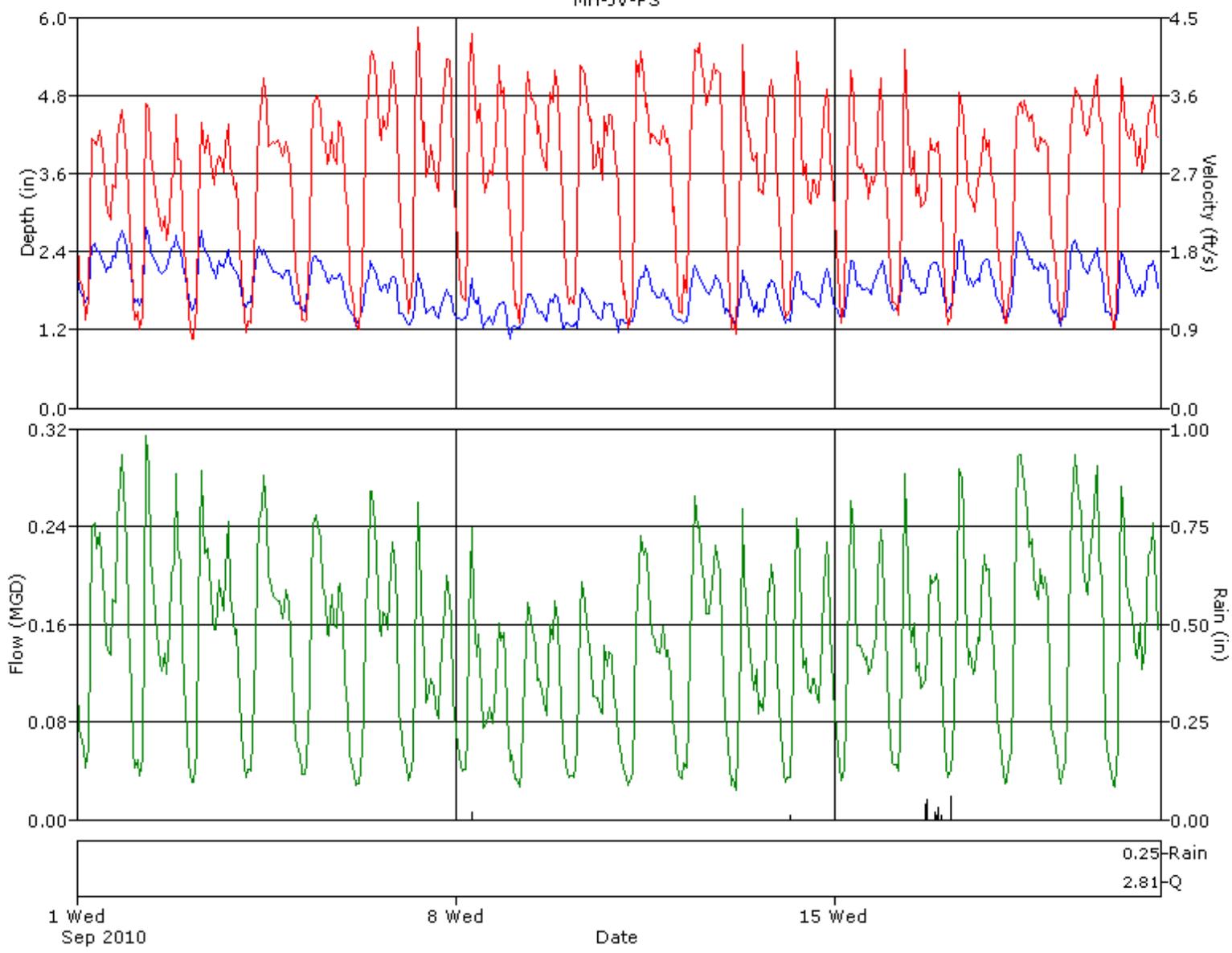
Flow Monitor
MH-JV-PS

Nominal Diameter
12-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	02:15	2.02	23:45	14.85	2.68	23:30	1.31	23:00	5.39	3.74	03:45	0.138	23:45	0.694	0.308	0.308	1.18
3/23/2010	22:30	2.58	01:45	21.17	4.06	00:15	1.25	06:30	5.70	4.88	14:30	0.390	02:45	0.937	0.549	0.549	0.83
3/24/2010	03:30	2.17	07:30	2.99	2.54	04:45	3.15	06:45	5.45	4.51	03:45	0.214	07:30	0.531	0.363	0.363	
3/25/2010	05:00	1.91	20:30	2.82	2.43	04:15	2.83	07:00	5.25	4.24	05:00	0.166	07:00	0.472	0.321	0.321	0.01
3/26/2010	16:15	1.99	07:30	2.87	2.29	04:30	2.98	07:30	5.39	4.26	04:15	0.178	07:30	0.507	0.295	0.295	0.26
3/27/2010	02:00	1.89	10:15	2.85	2.30	05:30	2.76	09:00	5.35	4.15	05:30	0.146	10:15	0.496	0.295	0.295	
3/28/2010	02:30	1.84	10:45	2.81	2.33	06:00	2.68	10:30	5.32	4.10	02:30	0.138	10:30	0.481	0.296	0.296	0.10
3/29/2010	00:30	2.03	07:00	9.08	3.17	06:30	3.30	06:15	5.89	5.12	00:15	0.203	07:00	1.394	0.553	0.553	1.51
3/30/2010	04:00	2.29	10:45	23.21	5.99	10:15	1.35	09:00	5.86	4.09	04:00	0.242	10:45	0.837	0.556	0.556	1.34
3/31/2010	03:15	2.48	08:15	3.16	2.74	04:30	3.80	10:15	5.45	4.84	04:00	0.305	08:15	0.566	0.429	0.429	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			3.965	5.29
Report Avg	3.05	4.39	0.397	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	02:15	2.13	10:15	2.85	2.50	05:30	3.11	10:15	5.32	4.42	03:15	0.202	10:15	0.497	0.346	0.346	
4/2/2010	01:00	1.99	09:00	2.87	2.42	04:00	2.83	10:15	5.15	4.18	04:00	0.159	10:15	0.482	0.316	0.316	
4/3/2010	05:00	1.79	09:30	2.91	2.45	04:00	2.59	09:45	5.12	4.08	05:00	0.129	09:45	0.491	0.319	0.319	
4/4/2010	03:30	2.18	10:15	3.08	2.53	02:45	2.59	10:15	5.18	3.89	02:15	0.172	10:15	0.540	0.315	0.315	
4/5/2010	01:45	2.13	08:15	2.94	2.47	03:00	2.14	07:30	4.75	3.62	03:00	0.136	08:15	0.459	0.281	0.281	
4/6/2010	03:15	2.09	08:00	2.95	2.49	04:30	1.95	08:00	4.71	3.41	04:30	0.118	08:00	0.463	0.270	0.270	
4/7/2010	03:00	1.93	07:00	2.98	2.46	04:30	1.88	07:15	4.71	3.36	04:30	0.109	07:00	0.455	0.262	0.262	
4/8/2010	03:45	1.93	07:30	2.93	2.38	04:15	1.75	07:30	4.51	3.30	03:45	0.100	07:30	0.438	0.245	0.245	0.11
4/9/2010	02:45	1.87	08:00	2.87	2.34	04:15	1.78	07:45	4.54	3.20	04:45	0.096	07:45	0.423	0.232	0.232	0.30
4/10/2010	03:15	1.72	10:15	2.94	2.38	04:00	1.72	10:00	4.51	3.26	05:30	0.088	09:45	0.435	0.246	0.246	
4/11/2010	04:30	1.81	10:00	3.00	2.43	03:45	1.68	10:15	4.48	3.25	03:45	0.088	10:00	0.447	0.255	0.255	
4/12/2010	01:45	1.88	07:15	3.04	2.31	04:30	1.63	07:15	4.51	3.03	03:15	0.073	07:15	0.461	0.218	0.218	
4/13/2010	03:30	1.72	07:30	2.84	2.24	03:30	1.55	07:30	4.38	2.98	03:30	0.070	07:30	0.407	0.205	0.205	
4/14/2010	04:30	1.68	07:45	3.07	2.53	02:30	1.58	07:00	4.24	2.80	02:30	0.071	07:30	0.422	0.233	0.233	
4/15/2010	04:15	2.03	07:30	3.28	2.71	04:30	1.21	07:30	3.97	2.56	04:30	0.073	07:30	0.451	0.232	0.232	0.03
4/16/2010	04:00	2.01	07:00	3.15	2.74	03:30	1.28	07:15	4.01	2.52	03:30	0.074	07:15	0.418	0.231	0.231	0.22
4/17/2010	06:15	2.10	13:00	3.42	2.82	05:15	1.35	10:00	3.94	2.69	06:15	0.087	13:00	0.435	0.261	0.261	0.06
4/18/2010	04:00	1.93	12:00	3.30	2.74	06:15	1.21	21:00	4.04	2.82	06:15	0.070	11:00	0.440	0.265	0.265	
4/19/2010	03:30	1.82	07:30	3.25	2.54	04:45	1.08	07:30	4.05	2.71	04:45	0.054	07:30	0.456	0.228	0.228	
4/20/2010	03:00	1.76	08:00	3.06	2.43	04:30	1.31	07:30	4.11	2.75	04:30	0.065	07:30	0.416	0.216	0.216	
4/21/2010	02:45	1.80	07:15	2.92	2.37	03:15	1.14	07:00	4.01	2.70	03:15	0.057	07:45	0.386	0.204	0.204	0.05
4/22/2010	04:45	1.63	07:30	3.00	2.31	02:30	1.25	07:30	4.22	2.79	04:45	0.052	07:30	0.424	0.205	0.205	0.01
4/23/2010	04:15	1.62	07:15	3.06	2.26	03:30	1.25	07:15	4.08	2.77	04:15	0.054	07:15	0.421	0.195	0.195	
4/24/2010	04:15	1.56	10:15	3.00	2.33	03:30	1.18	09:30	4.17	2.88	03:15	0.049	10:30	0.397	0.218	0.218	
4/25/2010	04:00	1.66	11:15	2.99	2.44	04:45	1.21	11:00	4.24	3.03	04:45	0.055	11:00	0.418	0.244	0.244	0.65
4/26/2010	02:45	1.91	07:30	3.04	2.45	02:45	1.51	19:30	4.38	3.04	02:45	0.079	19:30	0.442	0.240	0.240	0.88
4/27/2010	03:45	1.93	07:30	3.00	2.39	02:45	1.65	07:30	4.34	3.05	02:45	0.089	07:30	0.436	0.230	0.230	0.06
4/28/2010	02:30	1.93	07:30	2.97	2.41	04:30	1.45	07:00	4.52	3.04	03:30	0.083	07:30	0.447	0.233	0.233	
4/29/2010	02:45	1.89	07:30	2.94	2.41	04:00	1.35	07:00	4.56	2.86	04:00	0.071	07:00	0.440	0.219	0.219	
4/30/2010	04:30	1.87	08:15	3.00	2.42	03:15	1.21	08:15	4.34	2.81	04:45	0.064	08:15	0.437	0.215	0.215	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			7.378	2.37
Report Avg	2.46	3.13	0.246	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	04:15	1.91	09:15	2.99	2.40	03:15	1.08	08:45	4.21	2.86	04:15	0.057	08:45	0.409	0.216	0.216	
5/2/2010	03:00	1.35	20:45	2.50	2.05	04:30	1.43	20:45	4.58	3.16	04:00	0.055	20:45	0.356	0.195	0.195	
5/3/2010	01:00	1.61	07:30	2.57	2.07	03:00	1.33	07:15	4.58	3.03	01:45	0.057	07:30	0.370	0.187	0.187	0.56
5/4/2010	05:00	1.53	07:15	2.48	2.05	04:45	1.51	06:45	4.68	3.01	05:00	0.060	06:45	0.353	0.183	0.183	
5/5/2010	03:00	1.52	07:30	2.45	1.96	03:00	1.31	07:30	4.68	2.91	03:00	0.050	07:30	0.352	0.165	0.165	0.01
5/6/2010	02:15	1.38	07:30	2.39	1.89	03:15	1.31	07:00	4.64	2.98	04:45	0.052	07:30	0.333	0.163	0.163	
5/7/2010	02:00	1.46	07:30	2.37	1.89	05:00	1.36	07:00	4.58	2.86	05:00	0.054	07:45	0.326	0.155	0.155	
5/8/2010	05:45	1.32	10:15	2.45	1.90	03:45	1.48	09:30	4.75	3.16	05:45	0.047	10:15	0.354	0.175	0.175	0.14
5/9/2010	03:00	1.36	11:00	2.50	1.92	04:45	1.41	11:00	4.68	3.25	04:45	0.049	11:00	0.363	0.184	0.184	
5/10/2010	02:00	1.47	07:30	2.38	1.83	02:30	1.38	07:15	4.81	3.10	03:45	0.053	07:15	0.344	0.160	0.160	
5/11/2010	02:45	1.35	07:30	2.31	1.77	03:15	1.30	07:30	4.65	3.10	03:15	0.044	07:30	0.323	0.152	0.152	
5/12/2010	00:00	1.38	07:00	2.25	1.79	04:00	1.48	07:00	4.71	3.05	04:00	0.054	07:00	0.313	0.153	0.153	0.46
5/13/2010	03:00	1.29	07:45	2.30	1.79	04:45	1.48	07:00	4.68	3.07	03:00	0.046	07:45	0.311	0.154	0.154	
5/14/2010	05:15	1.34	07:45	2.15	1.77	03:45	1.48	07:45	4.54	3.05	05:15	0.050	07:45	0.284	0.149	0.149	0.14
5/15/2010	06:45	1.26	09:45	2.29	1.76	04:15	1.63	09:00	4.85	3.26	06:45	0.056	09:45	0.321	0.160	0.160	
5/16/2010	01:45	1.25	20:30	2.14	1.74	05:15	1.57	09:45	4.68	3.31	04:45	0.050	09:45	0.289	0.162	0.162	
5/17/2010	05:30	1.24	07:30	2.28	1.70	03:15	1.55	07:00	4.88	3.19	03:00	0.049	07:30	0.332	0.151	0.151	
5/18/2010	02:00	1.18	07:30	2.16	1.70	02:15	1.62	07:15	4.71	3.17	02:15	0.045	07:30	0.292	0.149	0.149	0.81
5/19/2010	02:00	1.18	07:30	2.31	1.74	04:30	1.46	07:30	4.78	3.05	02:00	0.043	07:30	0.330	0.147	0.147	0.02
5/20/2010	00:30	1.27	07:00	2.30	1.76	03:30	1.45	07:00	4.70	3.03	03:30	0.044	07:00	0.324	0.151	0.151	
5/21/2010	04:30	1.32	07:45	2.29	1.76	04:30	1.28	07:45	4.71	3.00	04:30	0.039	07:45	0.322	0.148	0.148	
5/22/2010	04:45	1.26	11:15	2.20	1.77	04:45	1.25	10:00	4.41	2.96	04:45	0.036	10:00	0.284	0.148	0.148	
5/23/2010	06:00	1.28	11:45	2.31	1.81	03:45	1.25	10:30	4.48	3.06	04:15	0.040	11:45	0.293	0.161	0.161	
5/24/2010	04:00	1.25	08:30	2.29	1.75	04:45	1.25	07:15	4.77	2.98	04:45	0.036	07:15	0.311	0.147	0.147	0.03
5/25/2010	02:45	1.26	07:30	2.23	1.74	03:45	1.31	07:30	4.78	3.05	03:45	0.039	07:30	0.315	0.148	0.148	
5/26/2010	05:00	1.21	07:15	2.21	1.72	03:30	1.36	06:30	4.61	3.02	03:45	0.038	07:15	0.295	0.146	0.146	
5/27/2010	04:15	1.30	20:00	2.32	1.82	02:00	1.45	07:15	4.59	2.95	04:45	0.045	08:00	0.286	0.154	0.154	
5/28/2010	02:45	1.21	07:45	2.24	1.71	04:30	1.30	07:45	4.61	2.88	02:45	0.041	07:45	0.305	0.136	0.136	0.06
5/29/2010	04:45	1.19	11:15	2.24	1.74	04:00	1.18	09:15	4.21	2.87	04:00	0.031	11:30	0.265	0.142	0.142	0.04
5/30/2010	04:00	1.20	10:30	2.65	1.85	03:15	1.31	09:15	4.02	2.85	04:00	0.037	10:30	0.339	0.155	0.155	
5/31/2010	02:15	1.13	21:15	2.63	2.00	03:15	1.14	20:30	4.04	2.95	03:30	0.031	21:15	0.334	0.185	0.185	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			4.981	2.27
Report Avg	1.84	3.04	0.161	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	04:00	1.14	08:15	2.63	1.90	04:45	1.11	07:45	4.11	2.94	04:45	0.028	07:45	0.330	0.169	0.169	1.07
6/2/2010	03:15	1.24	07:15	2.68	1.88	04:45	1.25	06:45	4.47	2.98	04:45	0.038	07:15	0.381	0.165	0.165	
6/3/2010	01:30	1.26	07:15	2.48	1.87	03:45	1.25	07:30	4.24	2.93	03:45	0.036	07:30	0.324	0.161	0.161	
6/4/2010	04:30	1.23	07:30	2.63	1.92	02:45	1.28	07:45	4.27	2.92	02:45	0.038	07:45	0.332	0.168	0.168	
6/5/2010	02:00	1.23	11:00	2.63	1.98	04:30	1.35	12:15	4.31	3.08	04:30	0.040	11:00	0.348	0.184	0.184	0.19
6/6/2010	03:15	1.23	10:30	2.51	1.94	03:15	1.21	13:00	4.12	2.97	03:15	0.034	21:00	0.308	0.177	0.177	0.11
6/7/2010	02:30	1.25	08:30	2.58	1.94	04:45	1.18	07:45	4.14	2.86	04:45	0.036	07:45	0.317	0.168	0.168	
6/8/2010	02:30	1.31	07:45	2.75	1.92	03:15	1.38	07:30	4.21	2.79	03:15	0.044	07:45	0.359	0.160	0.160	
6/9/2010	04:30	1.18	07:30	2.67	1.76	03:30	0.94	21:00	4.38	2.89	03:30	0.025	07:30	0.355	0.148	0.148	0.57
6/10/2010	04:15	1.27	07:30	2.13	1.66	04:15	1.25	07:30	4.75	2.99	04:15	0.036	07:30	0.292	0.134	0.134	0.01
6/11/2010	00:45	1.20	07:45	2.25	1.72	02:45	1.21	07:15	4.71	2.89	04:15	0.040	07:45	0.315	0.137	0.137	
6/12/2010	23:15	1.31	10:00	2.15	1.65	05:30	1.21	09:15	4.64	3.18	05:30	0.043	10:00	0.286	0.139	0.139	0.01
6/13/2010	01:30	1.01	12:00	2.62	1.90	03:30	1.28	11:00	4.27	3.03	04:45	0.037	11:15	0.352	0.177	0.177	0.02
6/14/2010	15:30	1.35	10:30	2.31	1.79	04:15	1.16	20:45	4.76	2.98	04:15	0.042	07:00	0.260	0.149	0.149	
6/15/2010	00:30	1.18	07:45	2.15	1.68	04:30	1.14	07:30	4.61	2.95	04:30	0.034	07:45	0.274	0.137	0.137	
6/16/2010	03:45	1.22	08:00	2.26	1.73	04:30	1.13	07:30	4.64	2.91	03:45	0.032	07:15	0.305	0.141	0.141	
6/17/2010	02:45	1.27	22:15	2.54	1.87	04:45	1.09	07:15	4.51	2.90	04:45	0.035	07:15	0.330	0.157	0.157	0.16
6/18/2010	04:30	1.37	22:00	2.58	2.09	03:30	1.14	07:30	4.11	2.85	03:30	0.040	07:30	0.320	0.182	0.182	
6/19/2010	05:00	1.37	09:00	2.75	2.19	04:45	1.08	09:45	3.97	2.91	04:45	0.039	09:45	0.350	0.202	0.202	
6/20/2010	05:00	1.36	10:00	2.86	2.26	04:45	1.08	08:45	4.04	2.97	04:45	0.036	10:00	0.379	0.217	0.217	
6/21/2010	04:00	1.38	08:45	2.69	2.15	04:15	1.04	11:30	3.74	2.79	05:00	0.037	08:00	0.315	0.185	0.185	
6/22/2010	04:45	1.35	21:30	2.83	2.11	04:30	1.01	20:45	4.09	2.87	04:00	0.033	21:30	0.374	0.189	0.189	0.71
6/23/2010	03:45	1.35	07:30	2.66	2.05	03:45	1.01	08:00	4.21	2.81	03:45	0.032	07:30	0.352	0.174	0.174	0.01
6/24/2010	03:45	1.33	07:45	2.55	2.07	04:15	0.94	07:45	3.97	2.82	04:15	0.031	07:45	0.316	0.179	0.179	0.17
6/25/2010	05:30	1.44	08:30	2.63	2.06	04:00	1.11	09:45	3.84	2.83	04:00	0.043	09:45	0.318	0.177	0.177	
6/26/2010	05:45	1.39	10:00	2.63	2.09	05:15	1.25	18:15	3.90	2.93	05:45	0.041	09:45	0.319	0.187	0.187	
6/27/2010	04:30	1.26	11:00	2.72	2.08	04:00	0.98	09:45	4.07	2.93	04:00	0.029	09:45	0.345	0.191	0.191	0.02
6/28/2010	03:00	1.20	21:00	2.55	2.01	04:15	0.94	08:00	3.87	2.84	04:00	0.029	08:00	0.307	0.172	0.172	0.01
6/29/2010	04:15	1.27	07:30	2.64	2.04	05:00	1.04	07:15	3.80	2.58	04:15	0.031	07:15	0.313	0.159	0.159	
6/30/2010	04:30	1.42	07:30	2.69	2.21	04:15	1.08	08:00	3.84	2.61	04:30	0.037	08:00	0.323	0.178	0.178	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			5.063	3.06
Report Avg	1.95	2.90	0.169	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	04:45	1.38	08:00	2.70	2.27	04:15	0.84	07:00	3.65	2.41	04:45	0.029	08:00	0.305	0.173	0.173	
7/2/2010	04:45	1.42	08:30	2.89	2.38	04:45	1.11	08:00	3.62	2.35	04:45	0.038	08:00	0.341	0.180	0.180	
7/3/2010	04:45	1.40	10:45	3.03	2.41	04:30	0.71	11:00	3.53	2.37	04:15	0.026	10:45	0.357	0.187	0.187	
7/4/2010	04:30	1.41	10:45	2.83	2.22	04:30	0.77	10:45	3.75	2.39	04:30	0.026	10:45	0.348	0.168	0.168	
7/5/2010	05:15	1.42	10:15	2.81	2.20	05:30	0.91	21:15	3.74	2.73	05:30	0.035	10:00	0.333	0.189	0.189	
7/6/2010	04:45	1.40	08:45	2.67	2.07	03:45	1.01	08:15	3.74	2.69	04:00	0.035	08:45	0.313	0.169	0.169	
7/7/2010	04:15	1.40	07:45	2.58	2.09	04:00	1.04	20:45	3.84	2.55	04:00	0.036	07:45	0.309	0.162	0.162	
7/8/2010	04:30	1.31	08:00	2.72	2.10	04:45	0.84	08:45	3.84	2.61	04:45	0.026	07:45	0.318	0.168	0.168	
7/9/2010	05:15	1.46	08:30	2.53	2.11	03:15	0.89	07:45	3.80	2.55	03:15	0.035	07:45	0.296	0.162	0.162	0.09
7/10/2010	03:00	1.47	09:45	2.84	2.23	03:15	0.91	10:30	3.77	2.55	03:15	0.035	09:45	0.338	0.179	0.179	
7/11/2010	05:15	1.50	11:30	2.81	2.25	05:30	0.89	13:00	3.97	2.61	04:00	0.036	11:30	0.347	0.187	0.187	
7/12/2010	04:15	1.39	18:30	2.89	2.26	04:15	0.77	07:15	3.67	2.35	04:15	0.026	07:15	0.300	0.167	0.167	0.01
7/13/2010	02:45	1.39	21:45	2.89	2.34	02:45	0.91	07:45	3.65	2.35	02:45	0.030	07:45	0.313	0.175	0.175	0.70
7/14/2010	05:00	1.28	08:00	3.02	2.43	05:00	0.88	08:15	3.30	2.34	05:00	0.026	08:00	0.331	0.187	0.187	0.36
7/15/2010	03:45	1.43	22:15	2.95	2.42	04:00	0.67	08:00	3.40	2.27	04:00	0.025	08:00	0.320	0.180	0.180	
7/16/2010	04:45	1.50	10:00	2.94	2.48	03:30	0.84	08:00	3.18	2.30	03:30	0.033	10:00	0.302	0.188	0.188	
7/17/2010	04:45	1.43	11:00	2.99	2.43	04:45	0.67	09:45	3.37	2.41	04:45	0.023	09:45	0.322	0.193	0.193	
7/18/2010	04:45	1.25	14:30	2.90	2.38	05:00	0.91	09:45	3.64	2.56	05:00	0.029	10:45	0.329	0.200	0.200	
7/19/2010	04:45	1.31	08:00	3.07	2.41	04:15	0.74	08:15	3.30	2.35	04:45	0.025	08:15	0.330	0.188	0.188	0.41
7/20/2010	04:00	1.50	07:15	2.94	2.43	04:15	0.71	20:15	3.37	2.36	04:15	0.028	07:30	0.320	0.187	0.187	
7/21/2010	03:00	1.52	20:30	2.86	2.26	03:45	0.64	20:15	3.90	2.45	03:45	0.027	20:30	0.364	0.174	0.174	1.20
7/22/2010	03:15	1.39	07:30	2.63	2.17	02:45	0.94	07:30	3.84	2.49	03:15	0.032	07:30	0.320	0.166	0.166	
7/23/2010	03:30	1.75	07:45	2.58	2.22	04:30	1.18	07:45	3.92	2.71	04:30	0.057	07:45	0.318	0.182	0.182	0.15
7/24/2010	05:15	1.38	09:45	2.82	2.17	05:15	0.88	09:15	3.97	2.66	05:15	0.029	09:45	0.359	0.177	0.177	0.01
7/25/2010	05:15	1.39	14:30	2.87	2.30	04:00	0.94	11:00	3.97	2.66	05:15	0.031	11:00	0.369	0.199	0.199	0.67
7/26/2010	14:15	1.27	08:30	2.72	1.78	04:00	0.87	21:30	4.07	2.66	04:00	0.031	09:00	0.325	0.132	0.132	
7/27/2010	00:45	1.07	08:15	2.01	1.49	05:00	1.04	08:00	4.11	2.72	05:00	0.029	08:15	0.229	0.105	0.105	
7/28/2010	03:15	1.14	08:30	1.95	1.57	04:15	1.21	07:45	4.24	2.78	04:15	0.033	08:30	0.224	0.116	0.116	
7/29/2010	03:30	1.18	08:30	1.99	1.66	03:45	1.08	08:30	3.90	2.70	03:45	0.030	08:30	0.218	0.122	0.122	0.14
7/30/2010	03:30	1.20	07:30	2.04	1.71	03:45	1.04	08:45	3.97	2.62	03:45	0.030	08:45	0.224	0.123	0.123	
7/31/2010	01:30	1.33	10:45	2.28	1.82	03:45	1.18	10:15	4.04	2.64	05:45	0.040	11:00	0.261	0.137	0.137	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			5.222	3.74
Report Avg	2.16	2.52	0.168	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
8/1/2010	06:00	1.37	11:00	2.34	1.90	04:30	1.28	10:30	4.27	2.82	04:30	0.045	11:00	0.289	0.154	0.154	
8/2/2010	04:45	1.15	21:30	2.56	2.00	04:30	0.84	07:15	3.79	2.56	04:45	0.022	08:15	0.271	0.154	0.154	
8/3/2010	04:15	1.61	07:30	2.66	2.16	04:30	0.88	08:15	3.64	2.61	04:30	0.036	07:30	0.296	0.172	0.172	
8/4/2010	04:45	1.55	08:00	2.73	2.18	04:15	0.91	08:00	3.80	2.46	04:30	0.036	08:00	0.334	0.164	0.164	
8/5/2010	04:45	1.54	07:00	2.58	2.08	04:00	0.77	21:15	3.91	2.46	04:00	0.031	08:15	0.288	0.152	0.152	
8/6/2010	16:00	1.24	08:45	2.10	1.72	04:15	0.91	19:45	3.48	2.59	04:00	0.028	07:45	0.196	0.121	0.121	
8/7/2010	01:45	1.30	10:45	2.13	1.74	05:00	0.84	11:00	4.27	2.71	05:00	0.027	11:00	0.262	0.131	0.131	
8/8/2010	04:15	1.30	11:15	2.34	1.86	04:30	1.01	11:15	4.01	2.77	05:30	0.032	11:15	0.282	0.152	0.152	
8/9/2010	04:30	1.24	08:15	2.17	1.74	04:30	0.81	07:45	3.77	2.63	04:30	0.023	08:15	0.232	0.127	0.127	
8/10/2010	16:15	1.24	07:30	2.04	1.64	04:45	1.04	09:30	3.80	2.60	04:15	0.032	21:30	0.207	0.115	0.115	
8/11/2010	02:30	1.27	08:00	2.09	1.66	05:00	1.11	22:00	4.11	2.67	05:00	0.036	22:00	0.233	0.121	0.121	0.03
8/12/2010	02:45	1.25	07:30	2.09	1.68	03:15	1.14	07:30	4.14	2.65	02:45	0.033	07:30	0.248	0.122	0.122	
8/13/2010	03:30	1.24	08:45	2.08	1.70	04:15	0.91	07:45	4.19	2.64	04:15	0.028	07:45	0.249	0.123	0.123	
8/14/2010	05:15	1.36	11:30	2.37	1.91	03:45	0.77	10:45	3.94	2.64	03:45	0.025	10:45	0.272	0.150	0.150	
8/15/2010	03:00	1.52	20:15	2.46	2.03	04:00	0.81	20:30	4.24	2.75	04:00	0.031	20:15	0.312	0.169	0.169	0.61
8/16/2010	03:30	1.52	08:00	2.43	2.07	05:00	1.01	07:30	3.77	2.76	05:00	0.041	08:15	0.276	0.170	0.170	0.42
8/17/2010	03:30	1.43	21:15	2.50	2.04	03:45	0.88	19:45	3.67	2.59	03:45	0.031	19:45	0.268	0.159	0.159	
8/18/2010	05:00	1.41	07:45	2.56	2.05	04:45	0.71	11:30	3.70	2.49	04:45	0.026	08:30	0.282	0.155	0.155	
8/19/2010	03:45	1.46	07:30	2.50	1.95	03:15	0.71	21:15	3.82	2.52	03:15	0.025	07:30	0.277	0.143	0.143	
8/20/2010	04:30	1.36	09:15	2.22	1.78	04:30	0.91	08:30	3.84	2.54	04:30	0.029	08:30	0.246	0.127	0.127	
8/21/2010	05:45	1.38	09:45	2.16	1.79	05:45	0.84	12:15	4.31	2.72	05:45	0.028	12:15	0.265	0.139	0.139	
8/22/2010	05:45	1.32	20:45	3.05	1.97	06:00	0.81	21:15	5.72	3.36	06:00	0.026	21:00	0.574	0.209	0.209	3.59
8/23/2010	23:45	1.44	09:00	2.03	1.76	03:45	2.15	07:45	4.21	3.28	04:00	0.087	07:30	0.235	0.155	0.155	0.35
8/24/2010	01:45	0.97	21:45	1.98	1.50	04:45	1.41	10:00	4.21	2.98	01:30	0.037	21:45	0.210	0.116	0.116	0.12
8/25/2010	01:45	1.08	09:30	1.93	1.61	03:30	1.41	08:15	4.38	3.12	03:30	0.038	08:15	0.231	0.133	0.133	0.19
8/26/2010	00:30	1.33	20:15	1.96	1.66	03:30	1.21	08:15	4.27	2.91	03:30	0.040	07:45	0.214	0.130	0.130	0.05
8/27/2010	04:15	1.41	20:15	2.25	1.88	04:00	1.23	20:30	3.90	2.72	02:45	0.043	20:15	0.254	0.147	0.147	
8/28/2010	23:15	1.51	10:45	2.46	1.91	05:30	0.91	12:00	4.48	2.73	05:30	0.038	10:45	0.331	0.152	0.152	
8/29/2010	02:15	1.27	11:15	2.34	1.85	05:15	0.94	11:00	4.44	2.84	05:15	0.031	11:30	0.309	0.154	0.154	
8/30/2010	03:30	1.30	09:45	2.32	1.90	03:15	0.98	07:30	3.94	2.70	03:15	0.035	07:15	0.238	0.149	0.149	
8/31/2010	04:00	1.47	22:15	2.46	2.05	03:30	0.84	07:45	3.99	2.52	03:30	0.032	07:45	0.261	0.156	0.156	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			4.521	5.36
Report Avg	1.86	2.72	0.146	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH-JV-PS, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	04:30	1.55	20:30	2.76	2.23	03:45	0.88	20:30	3.74	2.47	03:45	0.036	20:30	0.334	0.172	0.172	
9/2/2010	02:45	1.45	07:15	2.83	2.20	05:00	0.71	07:45	3.74	2.24	05:00	0.028	07:45	0.339	0.156	0.156	
9/3/2010	04:45	1.46	07:30	2.82	2.13	05:00	0.71	19:00	3.40	2.42	05:00	0.026	07:30	0.306	0.159	0.159	
9/4/2010	03:45	1.47	09:30	2.55	2.04	03:15	0.74	11:15	4.01	2.53	03:15	0.029	11:30	0.303	0.156	0.156	
9/5/2010	05:00	1.41	10:45	2.42	1.93	04:30	0.81	11:15	3.87	2.55	04:30	0.029	10:30	0.273	0.145	0.145	
9/6/2010	04:30	1.17	10:45	2.33	1.77	05:15	0.81	11:30	4.24	2.81	04:00	0.022	10:45	0.293	0.145	0.145	
9/7/2010	03:45	1.22	07:15	2.13	1.57	04:30	0.94	07:15	4.64	2.82	04:00	0.027	07:15	0.286	0.119	0.119	
9/8/2010	13:30	1.16	07:00	2.06	1.48	04:15	0.99	07:00	4.41	2.85	04:15	0.031	07:00	0.258	0.109	0.109	0.02
9/9/2010	00:00	0.95	09:30	1.91	1.47	05:00	0.84	07:45	4.24	2.83	04:45	0.024	08:45	0.200	0.108	0.108	
9/10/2010	06:15	1.13	09:45	1.88	1.46	04:45	1.01	08:00	4.14	2.73	04:15	0.028	08:00	0.212	0.103	0.103	
9/11/2010	00:30	0.92	11:45	2.25	1.66	04:45	0.81	10:15	4.27	2.76	04:45	0.025	10:30	0.258	0.128	0.128	
9/12/2010	05:30	1.19	10:15	2.33	1.72	04:00	0.88	10:30	4.53	3.00	04:00	0.028	10:15	0.273	0.148	0.148	
9/13/2010	04:15	1.18	07:00	2.16	1.66	05:00	0.74	07:00	4.25	2.63	04:15	0.021	07:00	0.267	0.121	0.121	
9/14/2010	04:30	1.26	20:15	2.28	1.72	03:30	0.84	07:00	4.27	2.58	03:30	0.026	07:00	0.280	0.126	0.126	0.01
9/15/2010	03:30	1.32	08:15	2.31	1.86	03:30	0.88	20:30	4.07	2.62	03:30	0.027	07:45	0.275	0.141	0.141	
9/16/2010	02:00	1.45	07:30	2.35	1.91	04:45	0.98	07:45	4.27	2.47	03:45	0.037	07:30	0.301	0.138	0.138	0.16
9/17/2010	02:45	1.45	07:30	2.75	2.01	02:45	0.88	07:15	3.94	2.44	02:45	0.031	08:30	0.303	0.148	0.148	0.06
9/18/2010	03:15	1.17	09:30	2.77	2.04	03:45	0.88	10:00	3.74	2.62	03:15	0.023	09:30	0.331	0.168	0.168	
9/19/2010	04:30	1.17	10:30	2.59	1.99	05:00	0.71	10:30	4.06	2.77	05:00	0.018	10:30	0.331	0.173	0.173	
9/20/2010	04:30	1.16	07:15	2.48	1.86	04:30	0.81	07:15	4.01	2.72	04:30	0.021	07:15	0.308	0.150	0.150	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.812	0.25
Report Avg	1.84	2.64	0.141	

Site Commentary

Site Information

MH-PS-MI	
Pipe Dimensions (in.)	Circular (8.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) for MH-PS-MI indicate this location functioned mostly in free-flow conditions for the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . The [scattergraph](#) also show surcharge events, characterized by an increase in depth to the crown of the pipe or manhole entry. Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

Daily [longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	4.43	0.52	0.069
Minimum	1.56	0.04	0.002
Maximum	11.05	1.82	0.362
Time of Minimum	8/13/2010 3:15 AM	7/11/2010 6:45 AM	7/27/2010 3:30 AM
Time of Maximum	3/25/2010 8:45 PM	8/22/2010 8:15 PM	3/30/2010 10:45 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

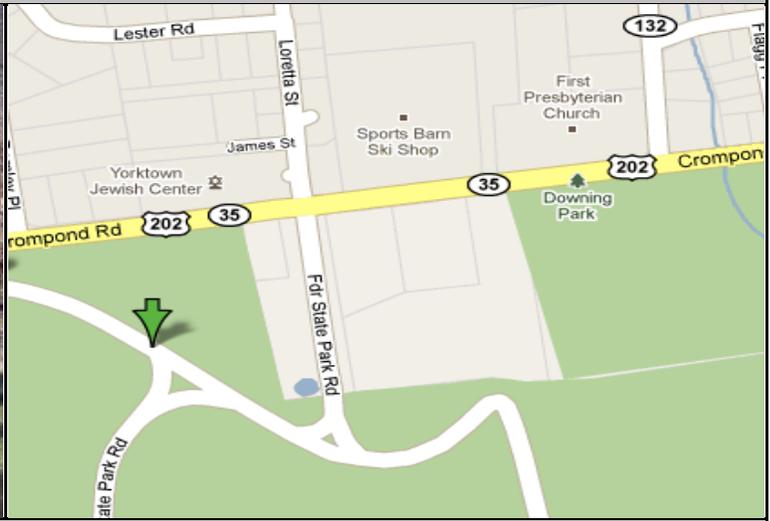
Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in the table below.

Percent Uptime	
Depth (in)	84.83
Velocity (ft/s)	83.91
Quantity (MGD)	83.91

Downtime due to a monitor lock-up.

a division of ADS LLC.

Site Name:	YORKTOWN_PS-M1	Meter Type:	4000 WR	Monitor S/N:	35	Manhole #:	
Address / Location:	MOHAUSIC PUMP STATION			Map Page #:		Pipe Height:	8 Inches
Access:	Walk (Wooded)	Type of System:	SANITARY	Pipe Width:		Pipe Width:	8 Inches
				Phone Number:		Phone Number:	166.219.184.87



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	March 16, 2010	1:06 PM	Manhole Depth:	5 Feet	
Site Hydraulics:	Deep flow that fills pipe. Ultrasonic needs a surcharge mount		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)			Active Drop Connections?		
Upstream Manhole:			Pipe Material / Condition:	Cast Iron Pipe	Good
Downstream Manhole:			Mini System Character:	RESIDENTIAL	
Depth of Flow (Wet Dof):	6 +/- 0.25		Access Pole #:	N/A	
Range (Air Dof):	+/- 0.25		Distance From Manhole:	N/A Feet	
Peak Velocity:	0.81 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 17' 31.7" W 73° 48' 51.3"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station	X			
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG2	Other		X		

Additional Site Information / Comments:

PRESS SN 79031 ULTRA PO 1.87 ****ULTRA TOO CLOSE TO FLOW (USE PRESSURE)**

SCATTERGRAPH REPORT

MH-PS-MI

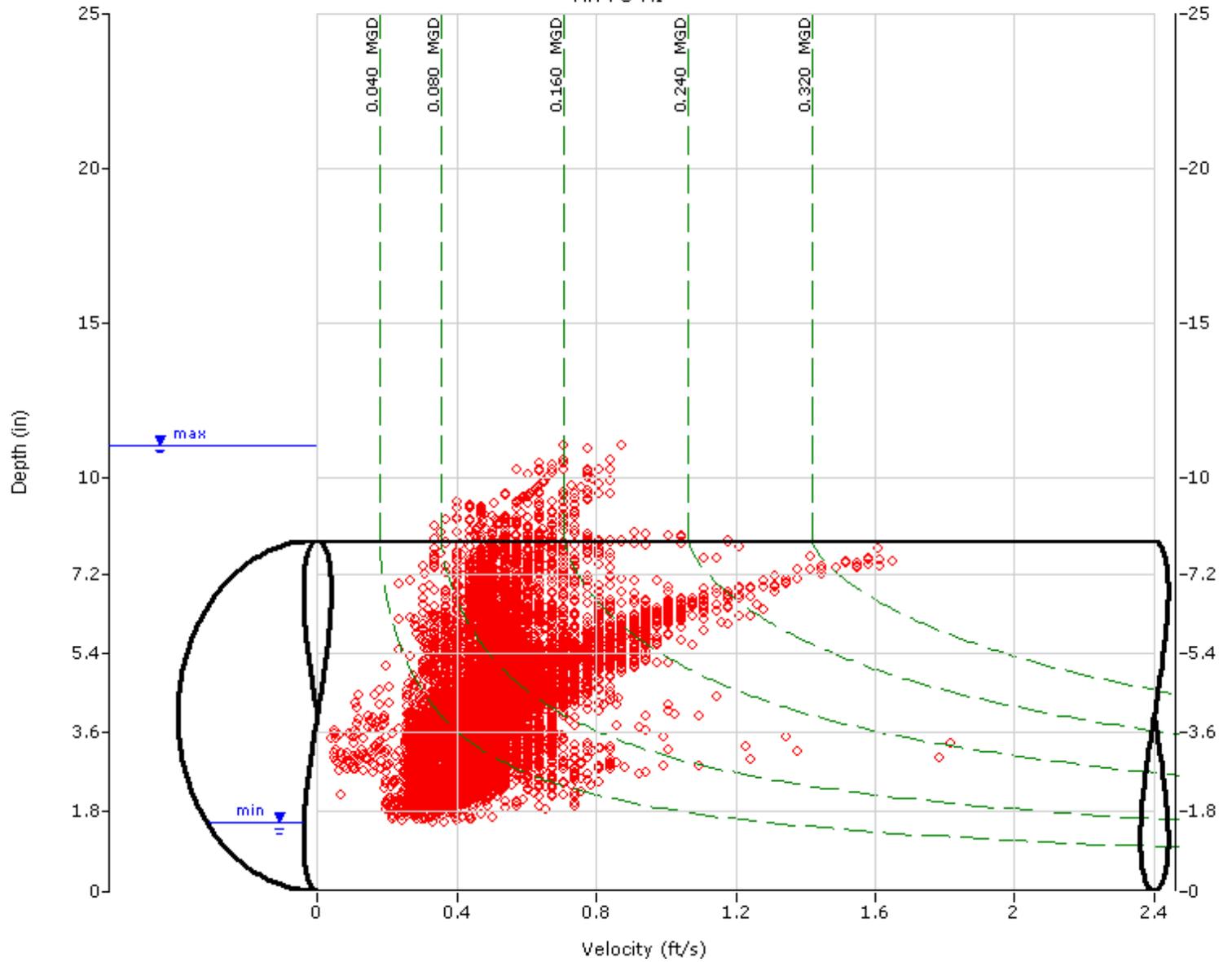
Flow Monitor
MH-PS-MI

Nominal Diameter
8-in

Report Period
3/22/2010
To
9/20/2010

Legend

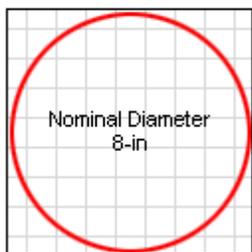
- Depth - Velocity
- - - Iso-Q™
- - - Silt
- ▼ Min-Max Depth



HYDROGRAPH REPORT

MH-PS-MI

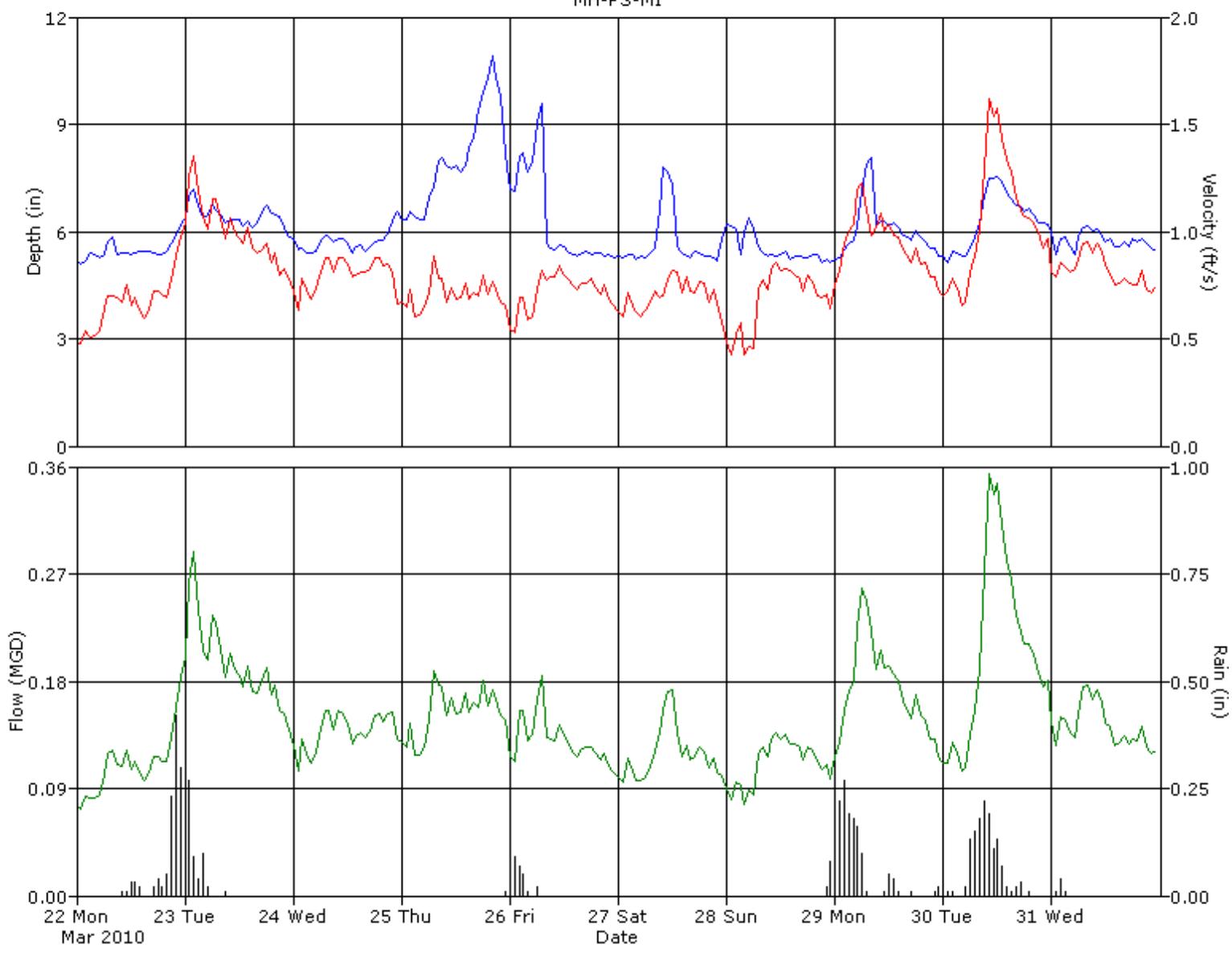
Flow Monitor
MH-PS-MI



Report Period
3/22/2010
To
3/31/2010

Legend

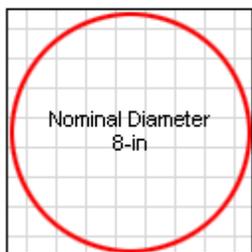
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-PS-MI

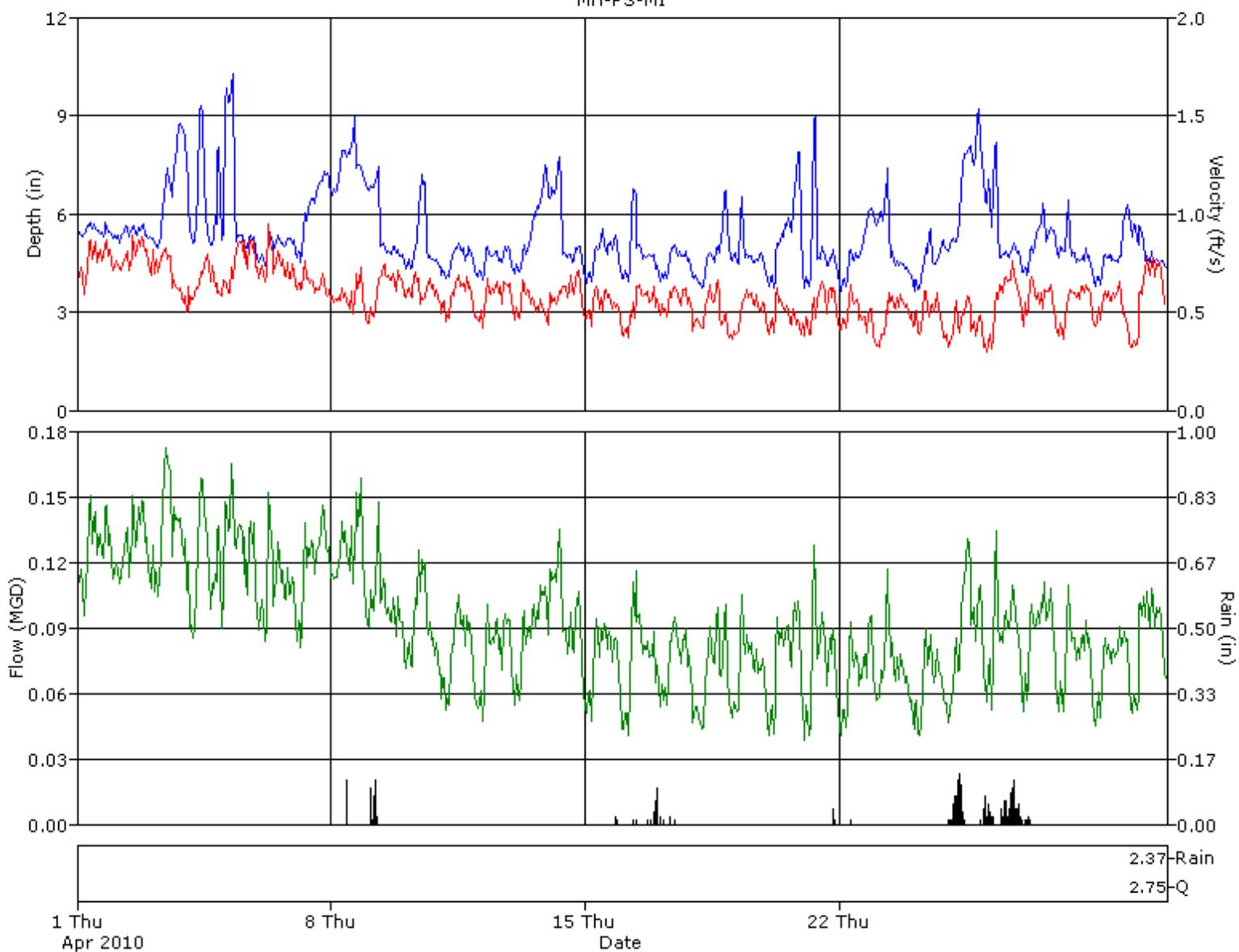
Flow Monitor
MH-PS-MI



Report Period
4/1/2010
To
4/30/2010

Legend

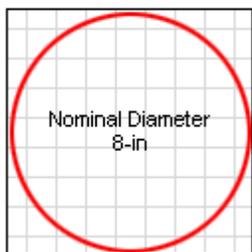
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-PS-MI

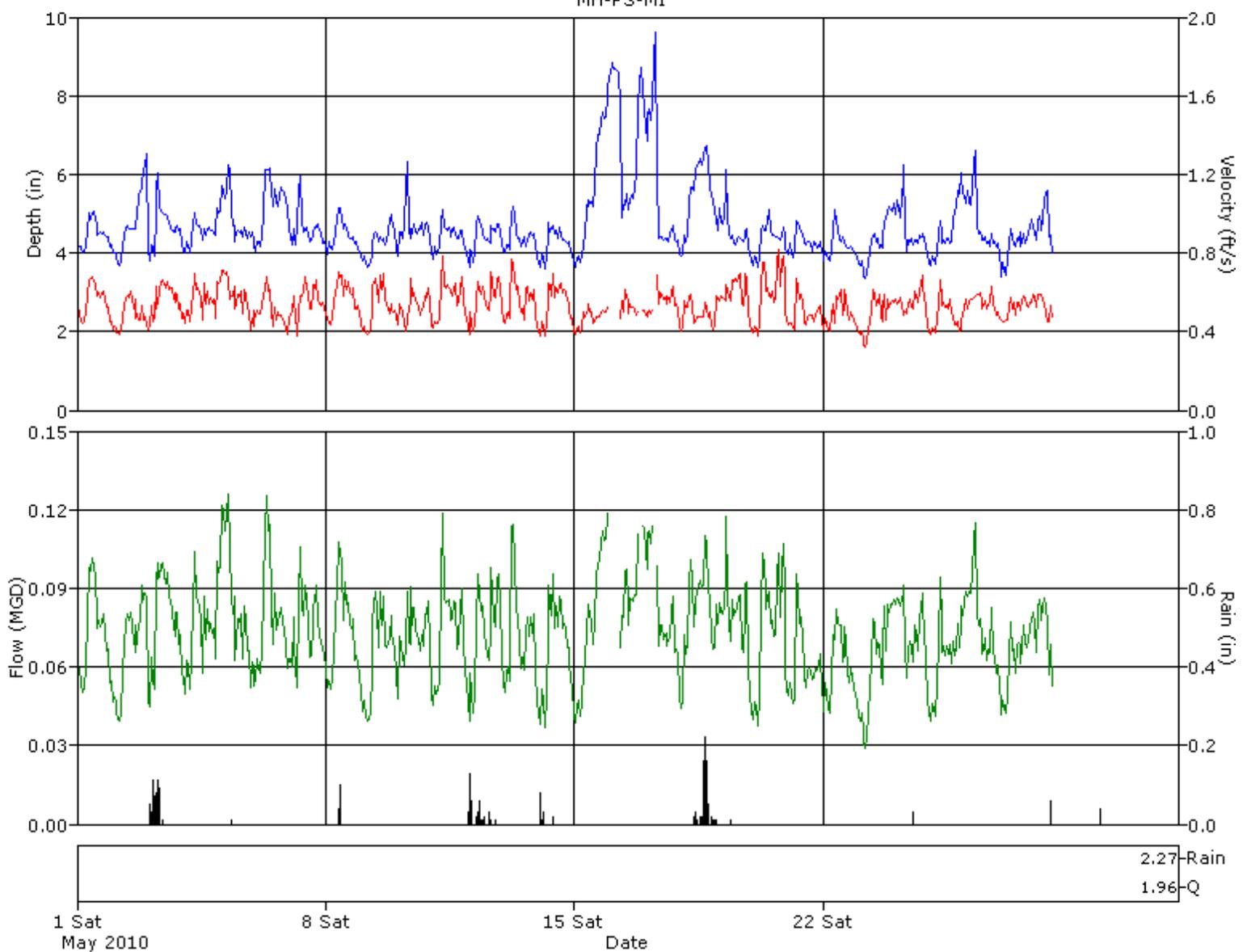
Flow Monitor
MH-PS-MI



Report Period
5/1/2010
To
5/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-PS-MI

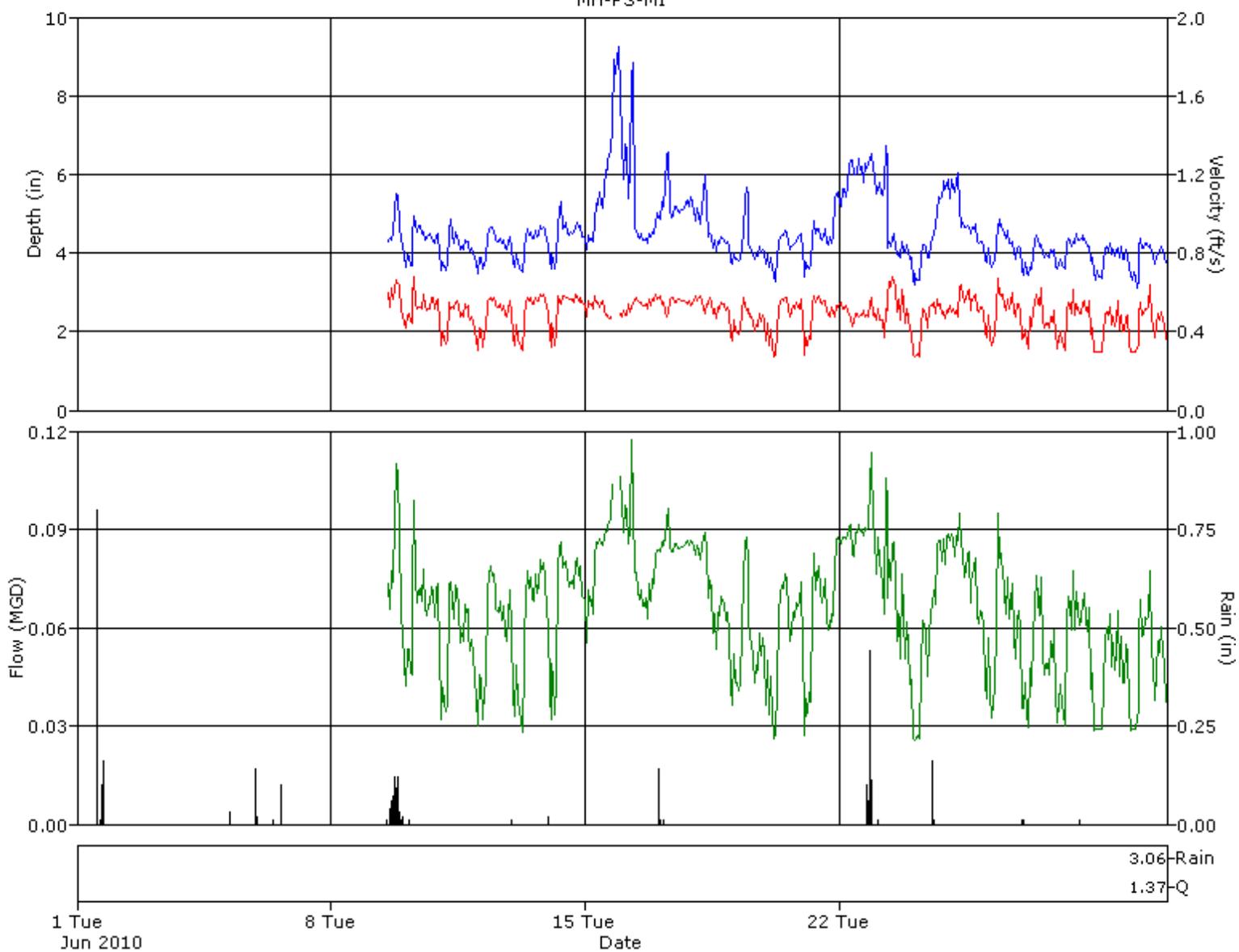
Flow Monitor
MH-PS-MI

Nominal Diameter
8-in

Report Period
6/1/2010
To
6/30/2010

Legend

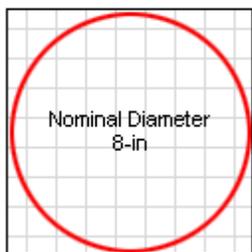
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-PS-MI

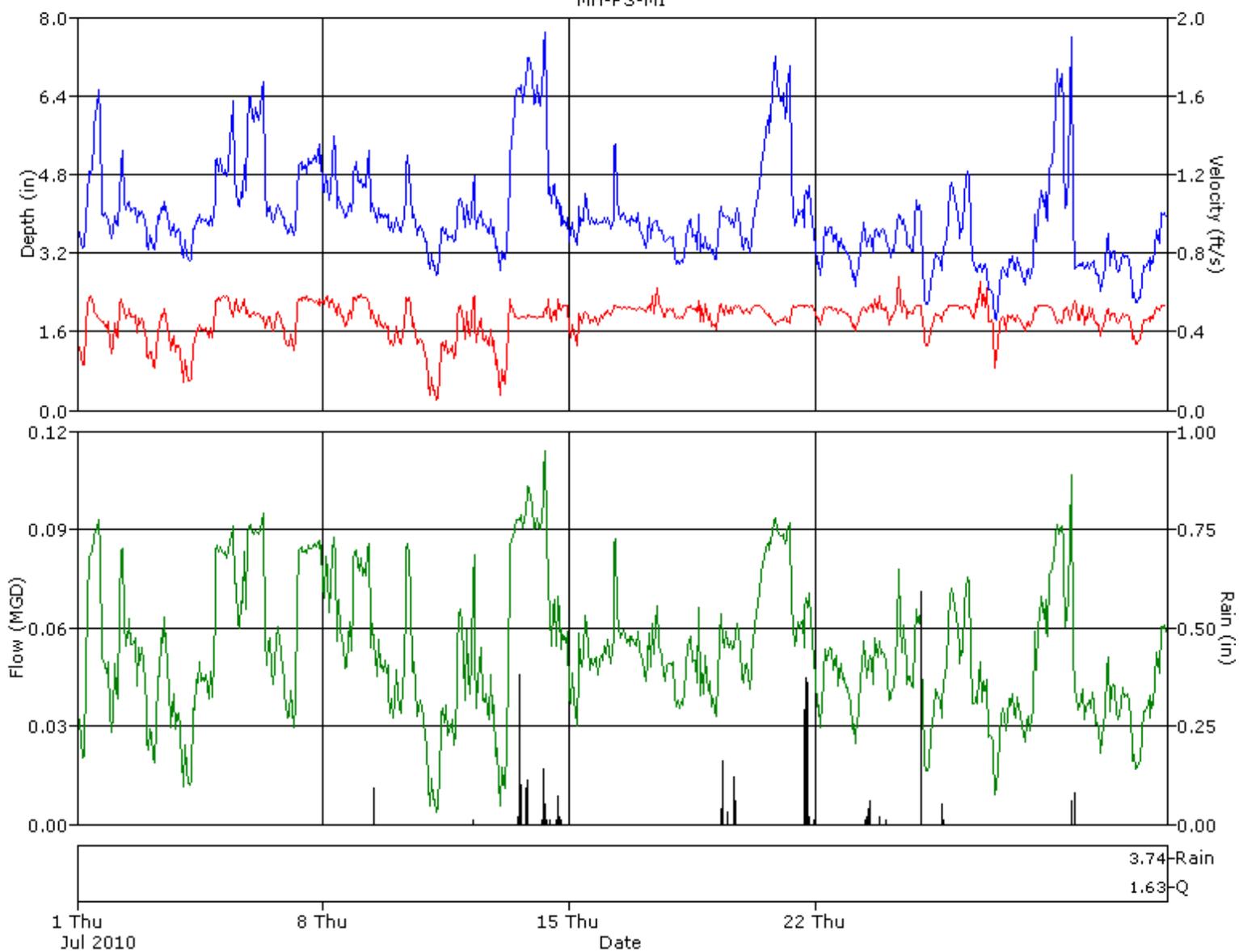
Flow Monitor
MH-PS-MI



Report Period
7/1/2010
To
7/31/2010

Legend

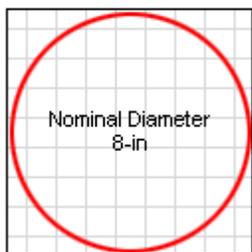
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-PS-MI

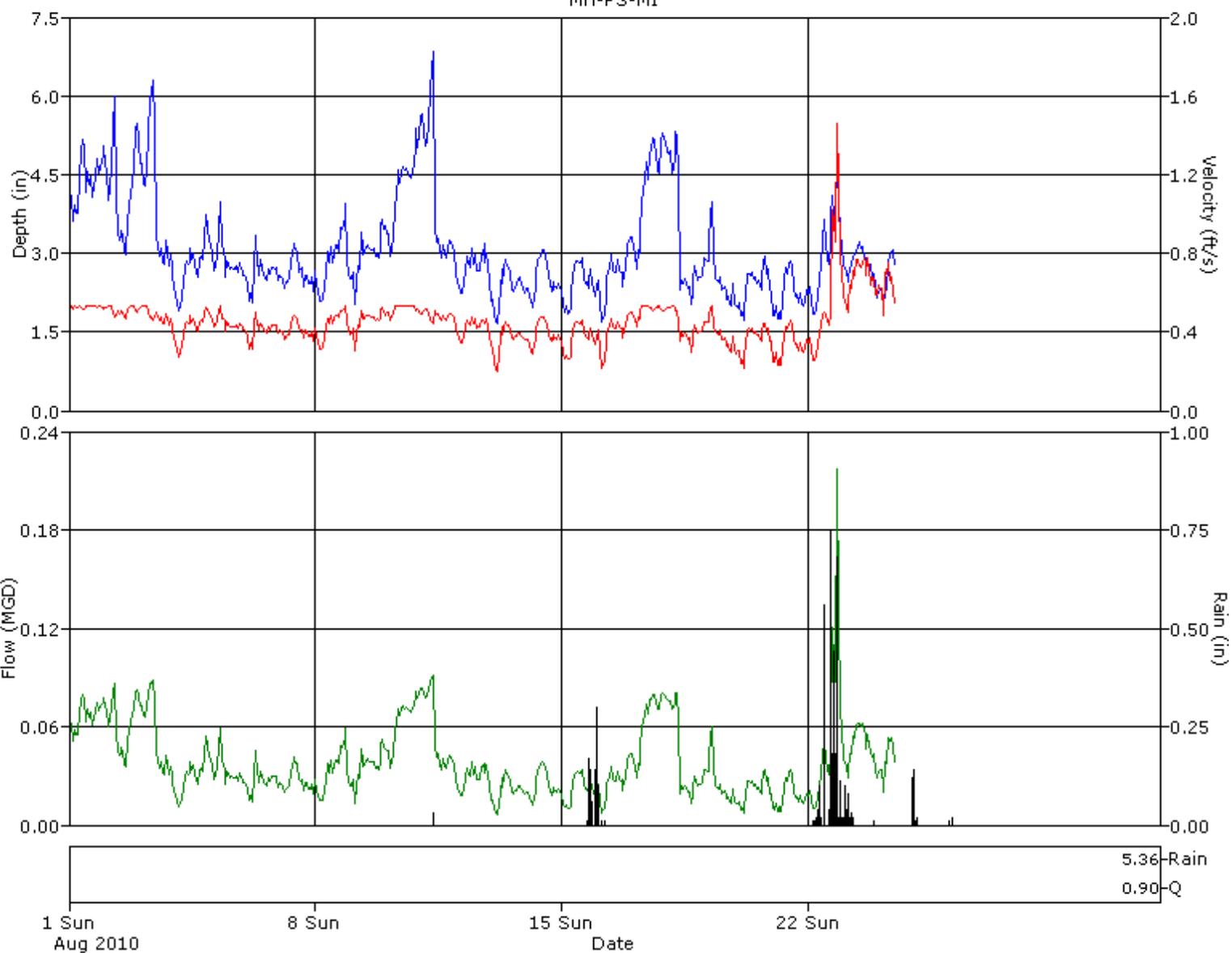
Flow Monitor
MH-PS-MI



Report Period
8/1/2010
To
8/31/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MH-PS-MI

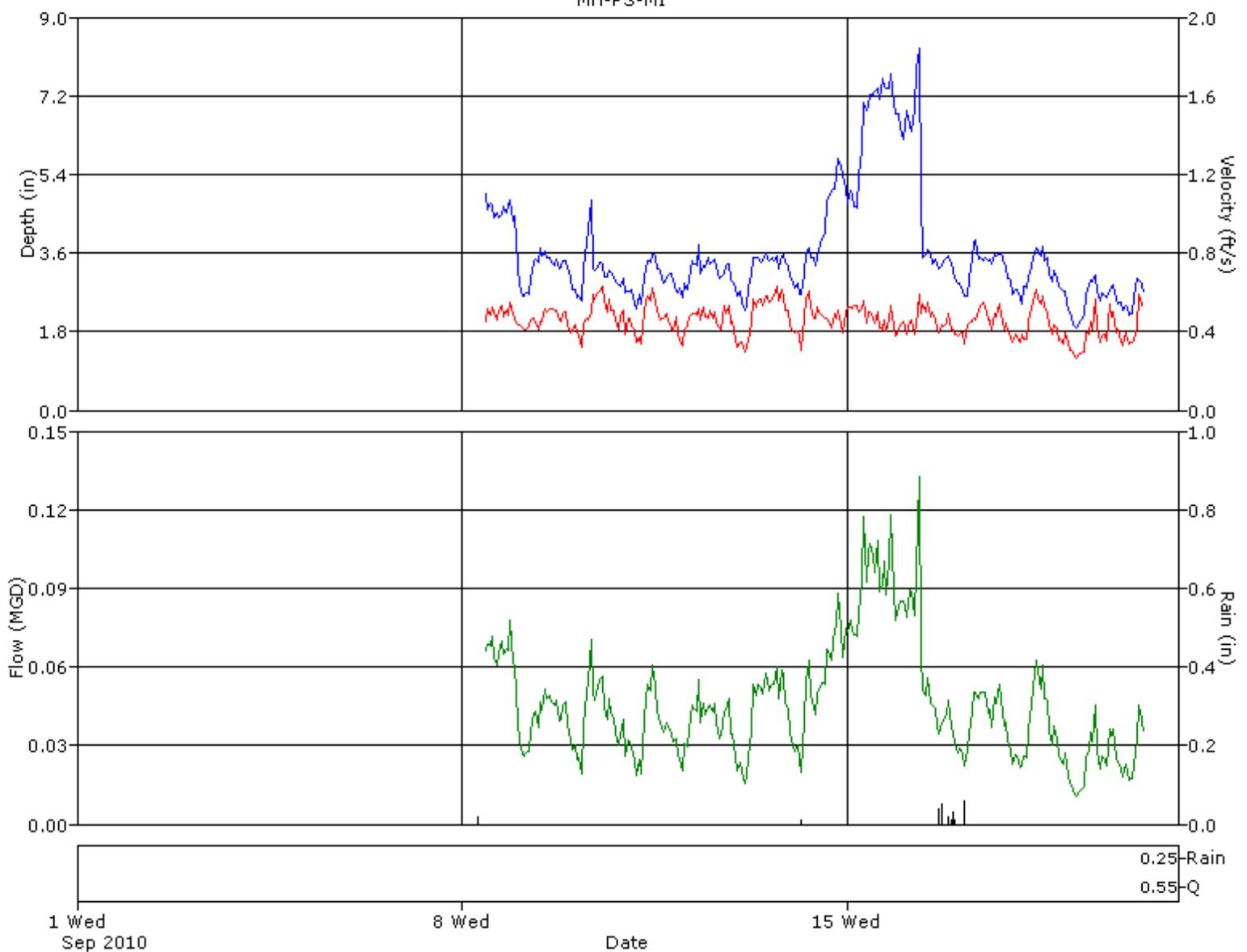
Flow Monitor
MH-PS-MI

Nominal Diameter
8-in

Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	01:45	4.98	08:00	6.41	5.45	00:45	0.44	23:00	1.04	0.66	01:30	0.065	23:00	0.195	0.109	0.109	1.18
3/23/2010	23:45	5.63	02:00	7.32	6.44	23:45	0.67	02:15	1.45	1.00	23:45	0.114	02:15	0.310	0.196	0.196	0.83
3/24/2010	16:30	5.33	23:00	6.92	5.71	01:30	0.57	08:00	0.98	0.80	01:30	0.094	08:00	0.180	0.138	0.138	
3/25/2010	04:15	6.15	20:45	11.05	8.05	04:30	0.54	07:15	0.98	0.71	04:30	0.103	07:15	0.205	0.154	0.154	0.01
3/26/2010	23:00	5.17	07:15	9.91	6.33	00:30	0.47	09:30	0.88	0.72	22:45	0.097	07:00	0.190	0.130	0.130	0.26
3/27/2010	22:15	5.15	10:15	8.09	5.70	05:30	0.54	12:45	0.88	0.70	05:30	0.086	11:15	0.187	0.119	0.119	
3/28/2010	23:45	5.00	00:00	6.81	5.52	04:30	0.37	10:45	0.91	0.68	06:00	0.067	12:00	0.153	0.111	0.111	0.10
3/29/2010	00:00	5.10	08:45	8.17	6.06	00:45	0.67	06:15	1.31	0.95	00:45	0.106	06:30	0.272	0.174	0.174	1.51
3/30/2010	01:45	4.92	12:15	7.80	6.34	05:45	0.61	10:45	1.65	1.06	01:45	0.093	10:45	0.362	0.207	0.207	1.34
3/31/2010	01:45	5.14	07:30	6.33	5.74	18:00	0.64	07:30	1.04	0.82	18:00	0.109	07:30	0.200	0.142	0.142	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.480	5.29
Report Avg	6.13	0.81	0.148	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	17:45	5.16	19:00	5.91	5.48	05:30	0.54	08:45	0.94	0.77	05:15	0.087	08:45	0.166	0.126	0.126	
4/2/2010	04:00	4.97	13:30	5.84	5.42	00:45	0.64	19:30	0.98	0.79	02:00	0.099	19:30	0.169	0.128	0.128	
4/3/2010	05:15	4.84	20:30	9.02	6.69	23:45	0.50	02:30	0.88	0.71	03:30	0.095	11:45	0.186	0.134	0.134	
4/4/2010	16:00	4.82	10:15	9.67	6.46	00:00	0.44	14:30	0.84	0.64	05:45	0.076	11:45	0.175	0.118	0.118	
4/5/2010	23:30	4.58	07:00	10.43	6.35	00:30	0.53	10:15	0.94	0.75	00:30	0.081	06:30	0.178	0.128	0.128	
4/6/2010	04:15	4.31	21:45	5.63	5.01	20:00	0.61	06:15	1.01	0.74	04:15	0.079	06:30	0.165	0.111	0.111	
4/7/2010	04:30	4.46	19:15	7.55	6.16	19:45	0.50	07:00	0.84	0.64	04:15	0.076	19:15	0.171	0.118	0.118	
4/8/2010	00:45	6.45	15:15	9.24	7.45	14:15	0.44	20:00	0.81	0.58	23:15	0.091	20:00	0.180	0.125	0.125	0.11
4/9/2010	15:45	4.54	07:30	7.48	5.57	00:45	0.40	20:45	0.81	0.63	19:15	0.078	07:15	0.155	0.102	0.102	0.30
4/10/2010	01:45	4.22	12:30	7.63	5.05	11:45	0.50	08:45	0.75	0.61	23:45	0.064	10:00	0.141	0.090	0.090	
4/11/2010	06:00	3.92	12:45	5.36	4.61	04:00	0.42	20:00	0.74	0.58	06:00	0.047	20:00	0.115	0.079	0.079	
4/12/2010	01:45	3.94	19:45	5.28	4.61	04:30	0.40	21:30	0.74	0.58	04:45	0.045	21:30	0.113	0.079	0.079	
4/13/2010	01:00	4.08	22:45	7.67	5.49	23:30	0.41	06:00	0.71	0.54	04:15	0.051	18:45	0.122	0.087	0.087	
4/14/2010	23:30	3.98	07:30	7.81	5.56	23:00	0.44	19:45	0.81	0.61	23:30	0.053	07:30	0.143	0.099	0.099	
4/15/2010	04:30	3.83	11:45	6.02	4.77	04:15	0.40	13:00	0.67	0.54	04:30	0.043	12:30	0.109	0.076	0.076	0.03
4/16/2010	04:45	3.84	09:30	7.33	4.88	01:15	0.34	11:45	0.68	0.53	00:30	0.037	09:30	0.131	0.077	0.077	0.22
4/17/2010	01:45	3.83	11:00	5.22	4.50	23:15	0.37	18:45	0.68	0.55	23:15	0.042	12:30	0.101	0.072	0.072	0.06
4/18/2010	05:45	3.67	21:15	7.13	4.75	23:45	0.34	11:15	0.72	0.50	02:00	0.037	14:30	0.110	0.070	0.070	
4/19/2010	23:45	3.93	07:30	6.68	4.77	00:30	0.34	10:45	0.67	0.51	23:45	0.044	07:45	0.118	0.071	0.071	
4/20/2010	04:30	3.59	21:00	9.00	5.34	23:30	0.36	07:00	0.68	0.48	04:30	0.037	20:45	0.118	0.076	0.076	
4/21/2010	04:45	3.60	07:30	9.45	4.87	01:30	0.33	11:45	0.67	0.53	01:30	0.036	07:15	0.136	0.074	0.074	0.05
4/22/2010	01:45	3.55	19:45	6.35	4.88	23:00	0.34	07:00	0.64	0.48	01:45	0.038	21:00	0.113	0.069	0.069	0.01
4/23/2010	22:15	3.97	07:45	7.52	5.18	01:30	0.30	09:30	0.64	0.49	22:15	0.053	07:45	0.126	0.073	0.073	
4/24/2010	04:30	3.46	12:00	5.68	4.56	23:30	0.30	09:15	0.71	0.47	05:00	0.034	09:15	0.107	0.063	0.063	
4/25/2010	00:00	4.64	20:30	9.46	6.99	23:30	0.27	13:30	0.65	0.45	00:45	0.038	13:30	0.146	0.090	0.090	0.65
4/26/2010	13:15	4.48	06:45	8.54	5.50	01:45	0.28	18:00	0.84	0.56	04:15	0.046	07:45	0.152	0.088	0.088	0.88
4/27/2010	04:45	3.96	14:30	6.38	5.11	01:00	0.40	07:15	0.71	0.56	01:00	0.049	15:15	0.132	0.085	0.085	0.06
4/28/2010	23:45	4.03	07:45	6.78	4.83	03:45	0.34	15:30	0.67	0.55	05:00	0.045	07:45	0.130	0.078	0.078	
4/29/2010	01:45	3.67	22:00	6.48	4.76	23:45	0.33	17:15	0.71	0.53	01:30	0.043	22:00	0.105	0.073	0.073	
4/30/2010	19:00	4.22	06:45	6.53	4.92	02:30	0.29	14:45	0.88	0.59	05:15	0.047	14:45	0.129	0.085	0.085	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			2.749	2.37
Report Avg	5.35	0.58	0.092	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	04:15	3.85	11:15	5.27	4.46	03:00	0.40	11:15	0.75	0.55	04:45	0.045	11:15	0.118	0.073	0.073	
5/2/2010	05:45	3.55	23:45	6.83	4.72	03:00	0.36	09:30	0.64	0.48	05:45	0.035	21:00	0.120	0.067	0.067	
5/3/2010	01:15	3.72	06:45	6.30	4.70	00:00	0.37	10:00	0.71	0.56	00:15	0.041	05:45	0.114	0.078	0.078	0.56
5/4/2010	04:15	3.94	23:45	5.40	4.54	05:00	0.40	08:30	0.77	0.56	05:00	0.045	08:30	0.121	0.075	0.075	
5/5/2010	23:45	4.23	06:15	6.40	4.89	21:00	0.34	03:45	0.72	0.58	21:00	0.042	06:15	0.131	0.085	0.085	0.01
5/6/2010	01:45	3.95	07:45	6.59	5.19	23:30	0.34	08:15	0.71	0.50	23:30	0.042	08:30	0.131	0.078	0.078	
5/7/2010	04:45	4.01	07:00	6.02	4.60	05:15	0.32	10:15	0.74	0.56	05:00	0.040	07:15	0.118	0.075	0.075	
5/8/2010	23:30	3.84	10:30	5.41	4.42	03:30	0.40	09:45	0.74	0.57	03:30	0.047	10:30	0.120	0.074	0.074	0.14
5/9/2010	05:00	3.57	20:15	5.08	4.28	05:00	0.37	15:15	0.75	0.53	05:00	0.036	15:15	0.098	0.066	0.066	
5/10/2010	01:30	3.79	07:45	6.55	4.63	06:15	0.36	10:30	0.71	0.53	01:30	0.043	10:30	0.098	0.071	0.071	
5/11/2010	01:30	3.74	07:45	5.16	4.40	23:45	0.39	07:30	0.81	0.57	01:30	0.041	07:30	0.122	0.073	0.073	
5/12/2010	01:15	3.58	20:15	5.09	4.40	01:15	0.37	16:45	0.78	0.56	01:15	0.036	20:15	0.114	0.072	0.072	0.46
5/13/2010	23:45	3.81	07:15	5.31	4.38	23:45	0.39	07:15	0.78	0.56	23:45	0.041	07:15	0.124	0.072	0.072	
5/14/2010	04:45	3.52	09:30	5.01	4.26	04:45	0.36	08:45	0.74	0.54	04:45	0.034	07:30	0.100	0.068	0.068	0.14
5/15/2010	01:45	3.57	23:45	8.34	5.63	01:45	0.37	10:45	0.61	0.47	01:45	0.036	23:00	0.119	0.078	0.075	
5/16/2010	08:00	4.53	21:15	8.91	6.99	12:45	0.40	09:45	0.67	0.53	12:45	0.056	19:30	0.120	0.090	0.049	
5/17/2010	23:00	3.92	06:45	9.97	5.61	23:45	0.39	08:30	0.72	0.55	23:00	0.047	03:45	0.119	0.081	0.073	
5/18/2010	00:30	3.84	17:30	7.11	5.55	22:15	0.37	07:15	0.68	0.49	00:30	0.043	17:30	0.128	0.082	0.082	0.81
5/19/2010	23:15	3.85	07:30	6.22	4.63	23:15	0.40	21:15	0.74	0.60	23:15	0.043	07:30	0.127	0.081	0.081	0.02
5/20/2010	04:45	3.54	12:15	5.37	4.35	04:45	0.36	18:15	0.86	0.60	04:45	0.035	07:45	0.112	0.076	0.076	
5/21/2010	01:15	3.84	06:30	5.07	4.26	05:30	0.36	06:00	0.71	0.49	05:30	0.041	06:45	0.104	0.061	0.061	
5/22/2010	05:00	3.61	08:45	5.43	4.21	05:00	0.38	12:30	0.67	0.49	05:00	0.038	09:30	0.090	0.060	0.060	
5/23/2010	05:30	3.32	21:45	5.30	4.23	05:30	0.31	10:15	0.64	0.48	05:30	0.027	18:30	0.093	0.059	0.059	
5/24/2010	23:45	3.91	07:45	6.35	4.68	23:45	0.42	19:00	0.71	0.55	23:45	0.046	07:45	0.096	0.075	0.075	0.03
5/25/2010	01:45	3.60	22:15	6.35	4.61	01:45	0.38	07:00	0.67	0.48	01:45	0.037	07:45	0.097	0.065	0.065	
5/26/2010	23:00	3.89	07:15	6.75	4.78	21:15	0.45	09:30	0.65	0.55	23:45	0.050	07:15	0.118	0.077	0.077	
5/27/2010	01:30	3.32	21:00	4.96	4.22	08:30	0.40	08:00	0.62	0.52	01:45	0.041	20:00	0.085	0.064	0.064	
5/28/2010	11:30	3.82	08:45	5.75	4.82	08:45	0.40	04:15	0.59	0.53	11:30	0.050	06:30	0.088	0.076	0.037	0.06
5/29/2010																	0.04
5/30/2010																	
5/31/2010																	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.960	2.27
Report Avg	4.73	0.54	0.073	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010																	1.07
6/2/2010																	
6/3/2010																	
6/4/2010																	
6/5/2010																	0.19
6/6/2010																	0.11
6/7/2010																	
6/8/2010																	
6/9/2010	23:45	3.98	19:00	5.57	4.69	22:45	0.44	21:00	0.71	0.59	23:30	0.050	19:00	0.118	0.081	0.033	0.57
6/10/2010	01:45	3.51	07:30	5.06	4.31	00:45	0.39	07:30	0.71	0.52	01:45	0.037	07:30	0.106	0.065	0.065	0.01
6/11/2010	04:45	3.37	07:30	5.01	4.11	01:45	0.26	07:45	0.59	0.47	01:45	0.024	10:45	0.085	0.056	0.056	
6/12/2010	05:00	3.41	10:00	5.28	4.18	01:30	0.27	09:30	0.59	0.49	01:30	0.025	10:00	0.086	0.059	0.059	0.01
6/13/2010	04:45	3.40	10:00	4.91	4.21	05:15	0.26	20:30	0.59	0.49	05:15	0.024	15:00	0.084	0.060	0.060	0.02
6/14/2010	04:45	3.33	08:45	5.48	4.44	05:00	0.26	17:15	0.67	0.52	05:00	0.024	17:15	0.094	0.068	0.068	
6/15/2010	01:30	3.95	22:30	9.40	6.06	01:30	0.44	06:15	0.59	0.52	01:30	0.048	18:45	0.116	0.082	0.067	
6/16/2010	17:15	4.06	07:45	9.17	5.30	17:15	0.47	09:30	0.61	0.54	17:15	0.054	06:00	0.117	0.079	0.073	
6/17/2010	01:45	4.71	07:30	7.31	5.29	06:30	0.47	00:15	0.59	0.55	01:45	0.082	07:30	0.106	0.086	0.086	0.16
6/18/2010	14:30	3.98	07:15	6.13	4.63	14:30	0.44	11:30	0.61	0.53	14:30	0.050	07:15	0.089	0.072	0.072	
6/19/2010	23:45	3.60	11:30	6.08	4.18	23:45	0.32	08:45	0.59	0.45	23:45	0.031	11:30	0.089	0.055	0.055	
6/20/2010	05:30	3.14	21:45	4.84	4.10	06:30	0.26	11:45	0.59	0.49	06:30	0.024	21:45	0.083	0.059	0.054	
6/21/2010	01:45	3.33	21:45	5.69	4.36	01:30	0.27	18:00	0.72	0.48	01:30	0.025	18:00	0.098	0.062	0.062	
6/22/2010	00:45	5.12	21:00	7.00	6.02	08:45	0.30	20:45	0.71	0.50	08:45	0.058	20:45	0.148	0.090	0.090	0.71
6/23/2010	23:45	3.65	06:45	7.36	4.68	05:15	0.24	06:45	0.86	0.52	23:45	0.033	06:45	0.186	0.071	0.071	0.01
6/24/2010	05:15	3.01	23:15	6.11	4.42	15:15	0.24	12:30	0.64	0.48	05:30	0.024	23:15	0.089	0.066	0.056	0.17
6/25/2010	23:45	4.04	07:00	6.36	4.91	04:30	0.37	12:30	0.74	0.54	10:00	0.047	07:00	0.130	0.078	0.078	
6/26/2010	04:30	3.55	08:45	5.03	4.20	04:30	0.30	08:15	0.77	0.50	04:30	0.029	08:45	0.116	0.062	0.062	
6/27/2010	05:45	3.34	11:15	4.61	3.89	07:00	0.26	10:30	0.77	0.45	07:00	0.024	10:30	0.099	0.050	0.050	0.02
6/28/2010	05:15	3.45	12:30	4.74	4.11	05:15	0.26	10:45	1.01	0.47	05:15	0.024	10:45	0.134	0.056	0.056	0.01
6/29/2010	04:15	3.18	10:45	4.45	3.85	04:30	0.27	16:30	0.71	0.42	04:30	0.025	16:30	0.083	0.046	0.046	
6/30/2010	04:30	3.02	07:15	4.45	3.88	05:00	0.26	13:15	1.03	0.43	05:00	0.024	13:15	0.128	0.049	0.049	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.368	3.06
Report Avg	4.53	0.49	0.065	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
7/1/2010	04:15	3.18	16:15	6.90	4.43	04:15	0.17	09:45	0.59	0.42	04:15	0.014	16:15	0.101	0.056	0.056	
7/2/2010	00:15	3.39	07:30	5.89	4.08	00:00	0.26	06:00	0.58	0.45	00:00	0.025	07:30	0.088	0.053	0.053	
7/3/2010	04:30	3.11	07:30	4.42	3.72	04:30	0.15	11:15	0.55	0.36	04:30	0.012	11:15	0.071	0.038	0.038	
7/4/2010	06:00	2.92	23:45	5.35	3.72	06:00	0.09	23:00	0.59	0.35	06:00	0.007	23:45	0.086	0.038	0.038	
7/5/2010	17:00	3.73	11:45	6.64	5.16	19:45	0.43	20:00	0.59	0.53	19:30	0.046	11:45	0.094	0.081	0.081	
7/6/2010	15:00	3.49	07:30	6.86	4.73	23:45	0.30	17:30	0.55	0.45	23:45	0.029	07:30	0.098	0.063	0.063	
7/7/2010	00:00	3.31	23:15	5.55	4.69	01:30	0.27	13:15	0.59	0.50	01:30	0.025	23:15	0.087	0.071	0.071	
7/8/2010	15:30	3.69	07:45	5.89	4.48	15:30	0.35	21:45	0.59	0.52	15:30	0.035	07:45	0.088	0.068	0.068	
7/9/2010	22:45	3.51	07:45	5.42	4.23	22:45	0.28	02:30	0.59	0.48	22:45	0.027	07:00	0.086	0.059	0.059	0.09
7/10/2010	23:45	3.22	10:00	5.45	3.94	23:45	0.18	11:30	0.59	0.40	23:45	0.016	10:00	0.087	0.046	0.046	
7/11/2010	06:45	2.69	23:15	4.69	3.49	06:45	0.04	21:30	0.57	0.28	06:45	0.003	21:30	0.074	0.029	0.029	
7/12/2010	22:30	3.16	07:45	4.97	3.86	22:30	0.16	07:15	0.59	0.39	22:30	0.014	08:00	0.084	0.044	0.044	0.01
7/13/2010	01:30	2.74	20:45	7.43	5.45	01:30	0.05	07:45	0.59	0.41	01:30	0.003	20:45	0.108	0.071	0.071	0.70
7/14/2010	18:30	3.55	08:30	7.97	5.19	12:00	0.37	10:15	0.81	0.50	18:30	0.042	08:30	0.120	0.076	0.076	0.36
7/15/2010	05:30	3.19	10:30	4.78	3.82	05:00	0.32	00:00	0.53	0.45	05:30	0.028	10:30	0.070	0.048	0.048	
7/16/2010	05:30	3.55	07:45	5.52	4.03	00:00	0.46	07:30	0.54	0.51	04:45	0.045	07:45	0.089	0.059	0.059	
7/17/2010	19:00	3.20	12:15	4.17	3.59	18:30	0.34	09:30	0.72	0.52	18:30	0.030	09:30	0.085	0.051	0.051	
7/18/2010	06:00	2.91	16:45	6.15	3.35	17:15	0.40	16:45	0.74	0.50	23:45	0.030	16:45	0.138	0.045	0.045	
7/19/2010	04:15	2.93	19:45	4.58	3.66	04:15	0.30	07:00	0.64	0.49	04:15	0.023	07:00	0.072	0.050	0.050	0.41
7/20/2010	03:30	3.14	20:45	7.47	5.00	20:30	0.44	09:15	0.54	0.50	03:30	0.040	20:45	0.096	0.072	0.072	
7/21/2010	23:45	3.32	07:15	7.29	4.87	07:15	0.44	19:45	0.54	0.51	23:45	0.044	07:15	0.094	0.070	0.070	1.20
7/22/2010	03:45	2.61	07:30	3.86	3.32	03:45	0.41	07:30	0.53	0.50	03:45	0.027	07:30	0.057	0.044	0.044	
7/23/2010	04:30	2.48	09:45	4.17	3.31	04:30	0.39	20:00	0.71	0.50	04:30	0.023	23:15	0.074	0.045	0.045	0.15
7/24/2010	18:45	2.97	09:00	4.46	3.59	02:00	0.34	09:00	0.94	0.51	02:00	0.031	09:00	0.122	0.051	0.051	0.01
7/25/2010	06:15	2.13	21:45	4.85	3.21	06:15	0.33	19:30	0.54	0.46	06:15	0.016	21:45	0.075	0.041	0.041	0.67
7/26/2010	23:45	2.31	07:45	5.00	3.41	20:15	0.34	17:15	0.76	0.53	23:45	0.020	07:45	0.077	0.049	0.049	
7/27/2010	04:30	1.67	15:00	3.52	2.68	03:30	0.07	11:15	0.64	0.43	03:30	0.002	15:00	0.049	0.030	0.030	
7/28/2010	00:00	2.47	21:00	7.28	4.35	00:00	0.39	06:45	0.54	0.49	00:00	0.023	21:00	0.094	0.061	0.061	
7/29/2010	23:00	2.61	07:30	8.20	3.89	08:00	0.40	21:15	0.72	0.49	23:00	0.027	07:30	0.121	0.052	0.052	0.14
7/30/2010	03:30	2.32	08:00	4.03	3.00	03:30	0.36	08:00	0.53	0.46	03:30	0.020	08:00	0.061	0.036	0.036	
7/31/2010	04:15	2.07	20:30	4.21	3.02	04:15	0.31	20:30	0.54	0.45	04:15	0.014	20:30	0.064	0.037	0.037	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			1.633	3.74
Report Avg	3.98	0.46	0.053	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	03:15	3.56	09:45	5.33	4.38	09:45	0.51	01:15	0.54	0.53	03:15	0.050	09:45	0.081	0.067	0.067	
8/2/2010	15:30	2.85	08:00	6.49	4.26	14:30	0.45	18:15	0.54	0.51	15:30	0.033	08:00	0.089	0.062	0.062	
8/3/2010	23:15	2.39	09:15	6.51	3.98	23:15	0.37	03:30	0.54	0.48	23:15	0.021	09:15	0.089	0.055	0.055	
8/4/2010	02:45	1.82	21:15	3.83	2.75	02:45	0.25	21:15	0.53	0.42	02:45	0.010	21:15	0.056	0.030	0.030	
8/5/2010	21:15	2.41	08:00	4.03	2.90	11:00	0.39	08:00	0.53	0.46	11:00	0.023	08:00	0.061	0.034	0.034	
8/6/2010	03:45	2.02	07:45	3.49	2.62	03:45	0.30	07:45	0.51	0.41	03:45	0.013	07:45	0.048	0.027	0.027	
8/7/2010	23:30	2.14	10:00	3.46	2.64	23:30	0.33	10:00	0.51	0.41	23:30	0.016	10:00	0.048	0.027	0.027	
8/8/2010	05:15	2.01	21:15	4.06	2.89	05:15	0.30	21:15	0.53	0.44	05:15	0.013	21:15	0.061	0.034	0.034	
8/9/2010	03:45	2.00	21:45	3.86	2.97	03:45	0.29	21:45	0.54	0.46	03:45	0.013	21:45	0.058	0.036	0.036	
8/10/2010	03:30	2.82	21:45	5.57	4.28	00:45	0.40	07:30	0.54	0.52	03:30	0.032	21:45	0.083	0.064	0.064	
8/11/2010	14:45	2.80	08:45	7.10	4.28	08:45	0.44	10:00	0.54	0.48	14:45	0.031	08:45	0.093	0.059	0.059	0.03
8/12/2010	04:00	2.16	19:30	3.72	2.73	04:00	0.33	18:00	0.52	0.43	04:00	0.016	18:00	0.052	0.029	0.029	
8/13/2010	03:15	1.56	10:00	3.08	2.35	04:45	0.18	12:15	0.49	0.36	04:45	0.006	10:00	0.039	0.021	0.021	
8/14/2010	04:30	1.95	13:45	3.39	2.51	04:30	0.28	10:30	0.51	0.39	04:30	0.012	13:45	0.046	0.024	0.024	
8/15/2010	05:00	1.78	14:30	3.19	2.40	05:00	0.24	14:30	0.49	0.37	05:00	0.009	14:30	0.041	0.022	0.022	0.61
8/16/2010	04:15	1.57	23:45	3.55	2.56	04:15	0.20	23:45	0.52	0.40	04:15	0.006	23:45	0.050	0.026	0.026	0.42
8/17/2010	03:30	2.56	21:45	5.56	4.29	03:30	0.41	09:30	0.54	0.51	03:30	0.025	21:45	0.083	0.063	0.063	
8/18/2010	16:30	1.94	06:45	5.80	3.35	16:30	0.28	04:00	0.53	0.43	16:30	0.012	06:45	0.085	0.042	0.042	
8/19/2010	22:45	1.79	08:00	4.45	2.59	23:30	0.26	07:45	0.53	0.39	23:30	0.010	08:00	0.069	0.026	0.026	
8/20/2010	00:00	1.60	19:00	3.70	2.37	02:45	0.20	19:00	0.48	0.36	02:45	0.007	19:00	0.049	0.021	0.021	
8/21/2010	04:15	1.65	12:45	3.16	2.20	04:15	0.20	12:45	0.49	0.33	04:15	0.007	12:45	0.040	0.018	0.018	
8/22/2010	06:00	1.72	20:15	5.80	2.97	06:00	0.22	20:15	1.82	0.57	06:00	0.008	20:15	0.318	0.052	0.052	3.59
8/23/2010	23:15	2.01	09:15	3.35	2.78	03:15	0.44	14:30	0.88	0.67	23:00	0.023	11:15	0.075	0.047	0.047	0.35
8/24/2010	04:30	1.87	10:45	3.27	2.50	04:15	0.47	07:00	0.93	0.63	04:45	0.019	09:00	0.070	0.039	0.039	0.12
8/25/2010																	0.19
8/26/2010																	0.05
8/27/2010																	
8/28/2010																	
8/29/2010																	
8/30/2010																	
8/31/2010																	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.904	5.36
Report Avg	3.08	0.45	0.039	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MH-PS-MI, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010																	
9/2/2010																	
9/3/2010																	
9/4/2010																	
9/5/2010																	
9/6/2010																	
9/7/2010																	
9/8/2010	22:00	4.03	12:15	5.21	4.58	15:30	0.37	21:15	0.61	0.50	15:30	0.049	21:15	0.091	0.067	0.038	0.02
9/9/2010	03:45	2.53	00:00	4.10	3.24	00:30	0.36	16:45	0.64	0.46	03:45	0.025	12:30	0.066	0.040	0.040	
9/10/2010	04:15	2.49	08:15	4.96	3.15	02:45	0.30	10:15	0.71	0.49	04:15	0.018	08:15	0.084	0.041	0.041	
9/11/2010	04:45	2.28	11:30	3.74	2.96	06:00	0.24	11:30	0.67	0.46	06:00	0.013	11:30	0.070	0.036	0.036	
9/12/2010	00:00	2.49	07:45	3.98	3.18	23:45	0.27	19:45	0.62	0.46	23:45	0.017	07:45	0.064	0.039	0.039	
9/13/2010	03:45	2.20	08:15	4.02	3.19	01:00	0.27	12:00	0.70	0.49	03:45	0.014	12:00	0.078	0.043	0.043	
9/14/2010	04:15	2.46	20:45	5.91	4.04	04:15	0.24	07:45	0.68	0.46	04:15	0.014	20:30	0.097	0.053	0.053	0.01
9/15/2010	04:15	4.50	11:45	7.90	6.54	14:15	0.33	07:00	0.64	0.47	21:45	0.068	19:00	0.141	0.091	0.091	
9/16/2010	23:30	2.87	08:00	8.46	4.65	23:15	0.30	11:00	0.64	0.46	23:15	0.024	07:15	0.137	0.060	0.060	0.16
9/17/2010	04:15	2.58	08:15	4.08	3.29	03:00	0.26	18:30	0.61	0.45	03:30	0.017	18:30	0.066	0.040	0.040	0.06
9/18/2010	04:00	2.35	13:15	3.85	3.07	00:15	0.27	11:00	0.64	0.44	00:15	0.016	11:00	0.069	0.036	0.036	
9/19/2010	04:15	1.83	10:30	3.35	2.50	04:15	0.25	12:00	0.64	0.38	04:15	0.010	12:15	0.051	0.024	0.024	
9/20/2010	01:00	2.06	06:45	3.33	2.56	05:15	0.29	07:00	0.65	0.41	01:00	0.014	07:00	0.051	0.027	0.011	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.553	0.25
Report Avg	3.63	0.46	0.046	

Site Commentary

Site Information

MHWWPS-East	
Pipe Dimensions (in.)	Circular (8.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) for MHWWPS-East indicate this location functioned mostly in free-flow conditions for the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . The [scattergraph](#) also show surcharge events, characterized by an increase in depth to the crown of the pipe or manhole entry. Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

Daily [longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	1.60	0.41	0.014
Minimum	0.77	0.00	0.000
Maximum	44.36	1.00	0.058
Time of Minimum	7/31/2010 2:45 AM	8/25/2010 12:00 AM	8/25/2010 12:00 AM
Time of Maximum	8/25/2010 5:15 AM	3/31/2010 7:15 AM	3/25/2010 7:15 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

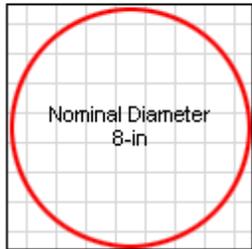
Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in the table below.

Percent Uptime	
Depth (in)	100.00
Velocity (ft/s)	99.39
Quantity (MGD)	99.39

SCATTERGRAPH REPORT

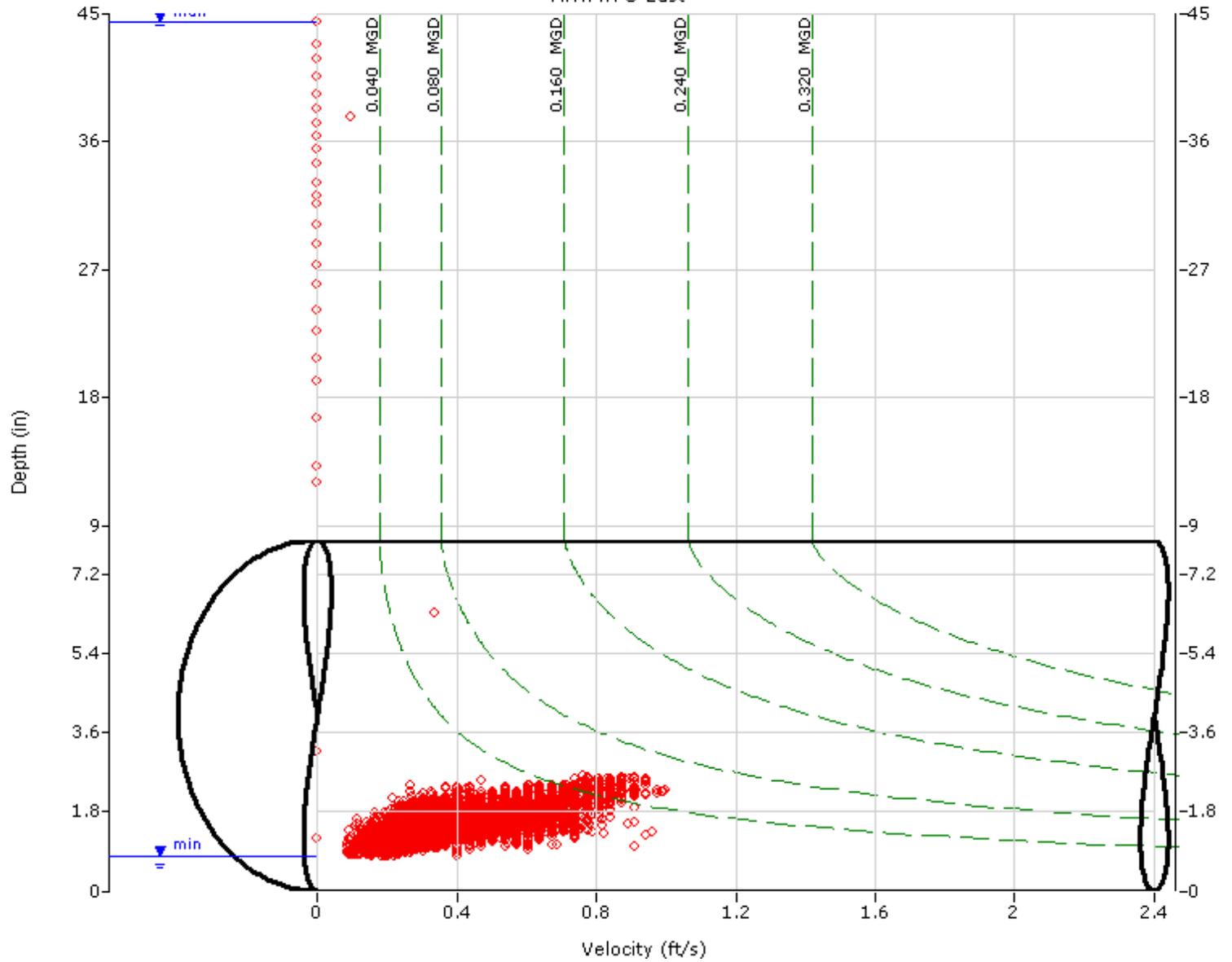
MHWWPS-East

Flow Monitor
MHWWPS-East



Report Period
3/22/2010
To
9/20/2010

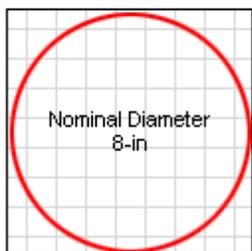
- Legend**
- Depth - Velocity
 - - - Iso-Q™
 - - - Silt
 - ▼ Min-Max Depth



HYDROGRAPH REPORT

MHWWPS-East

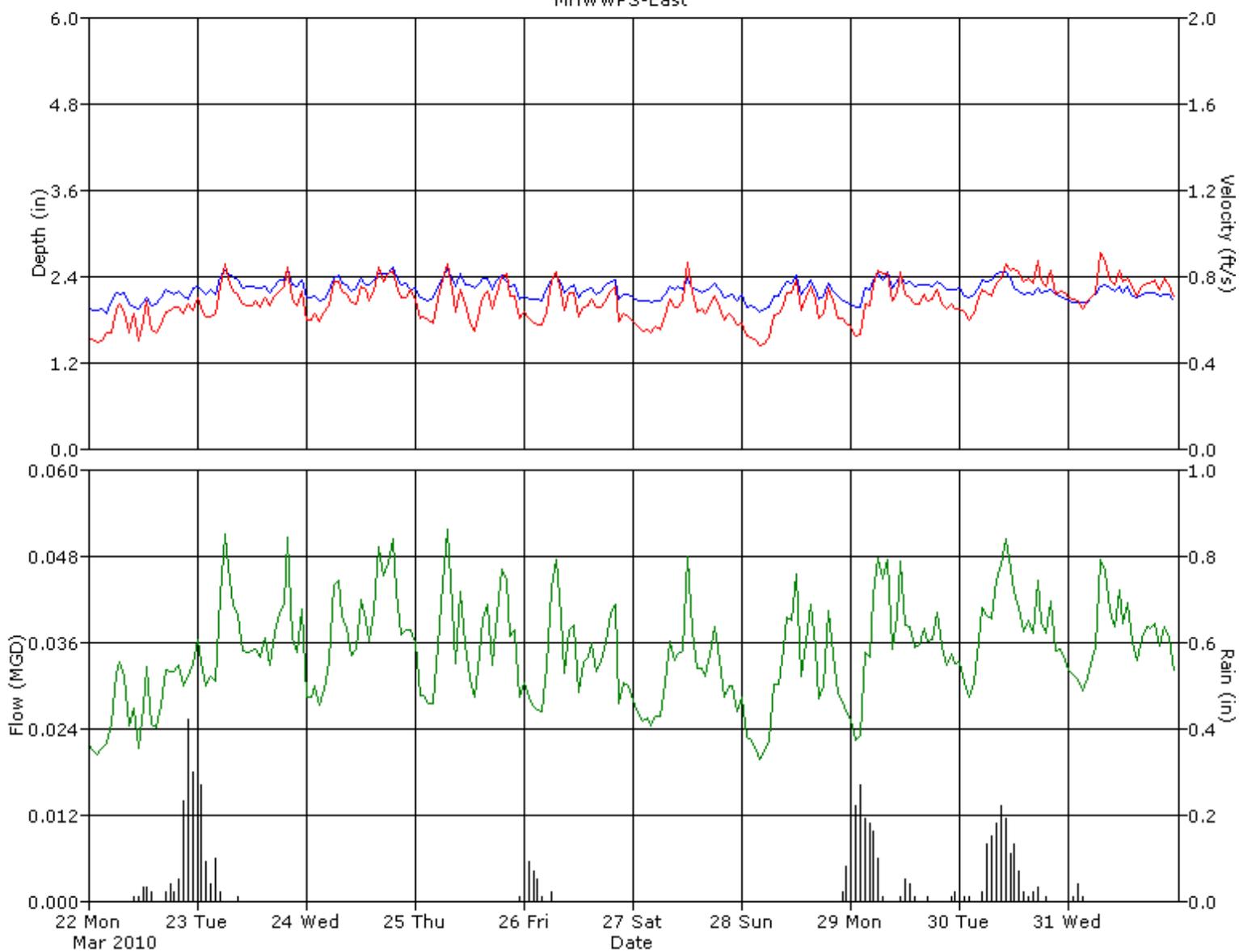
Flow Monitor
MHWWPS-East



Report Period
3/22/2010
To
3/31/2010

Legend

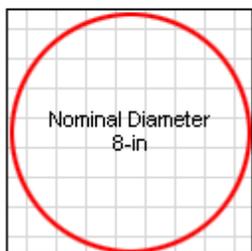
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWPS-East

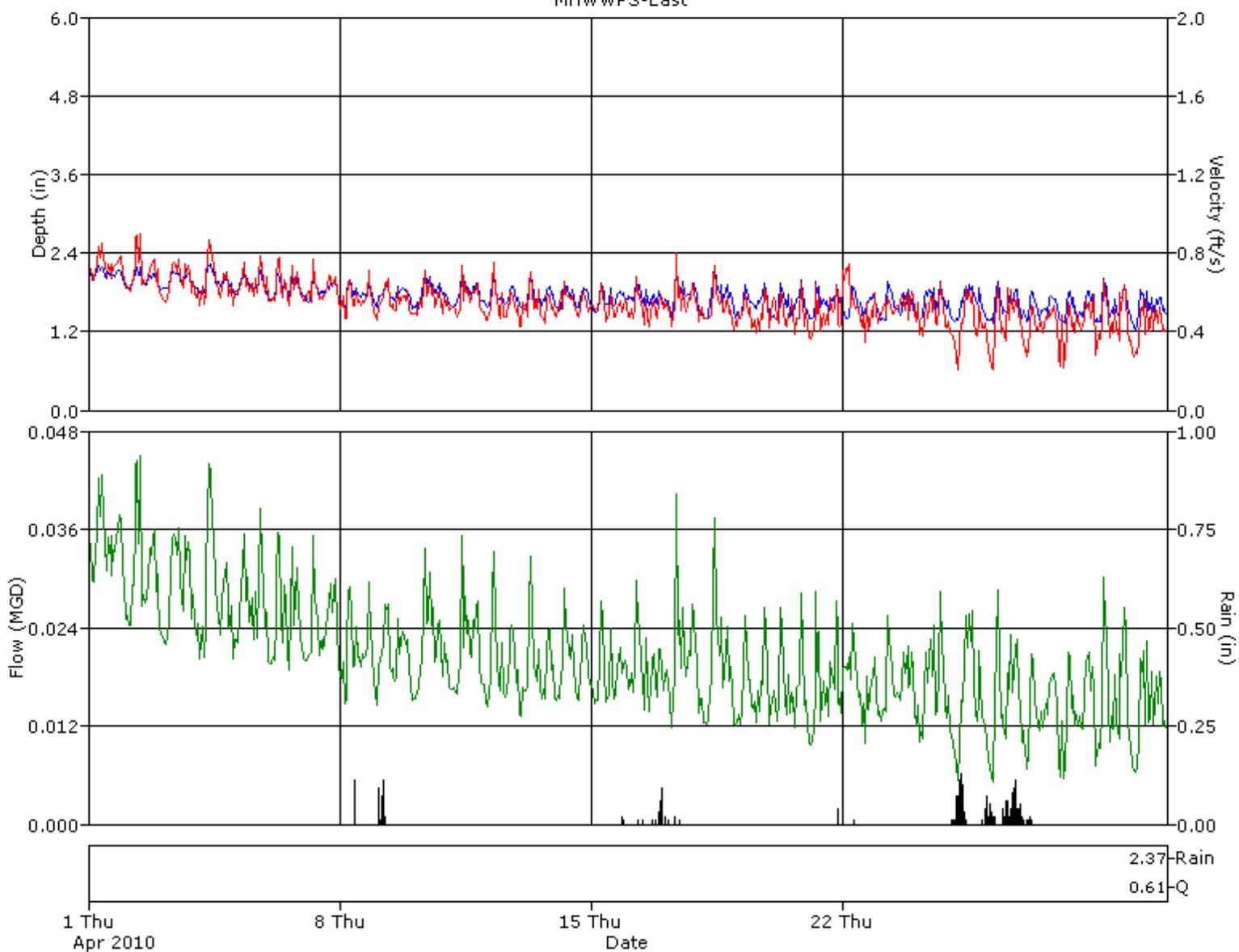
Flow Monitor
MHWWPS-East



Report Period
4/1/2010
To
4/30/2010

Legend

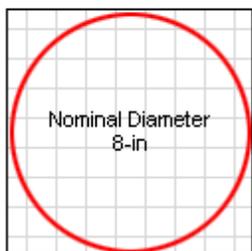
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

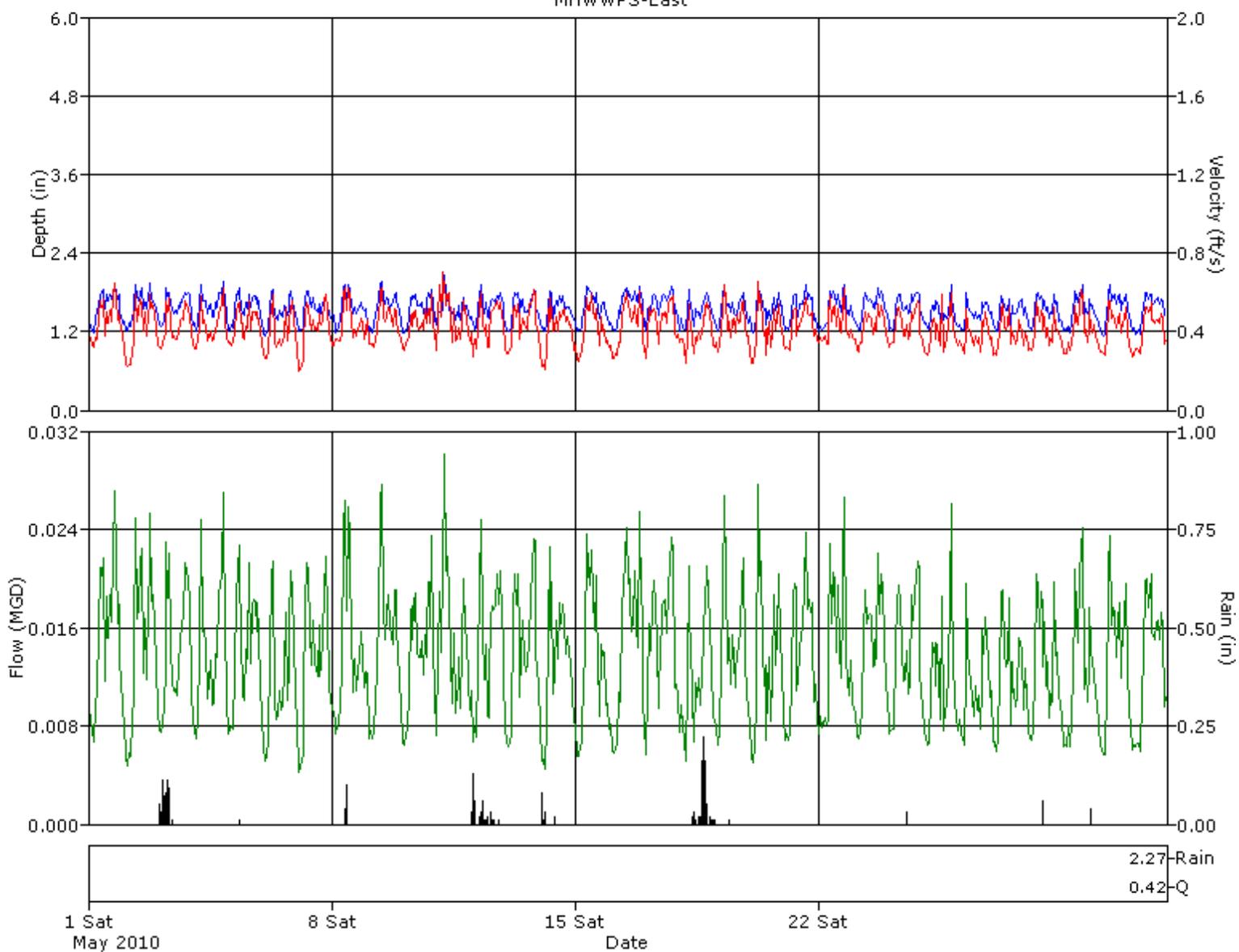
MHWWPS-East

Flow Monitor
MHWWPS-East



Report Period
5/1/2010
To
5/31/2010

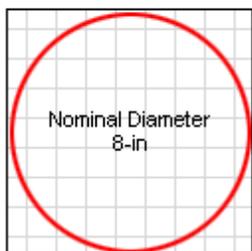
- Legend**
- Depth
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

MHWWPS-East

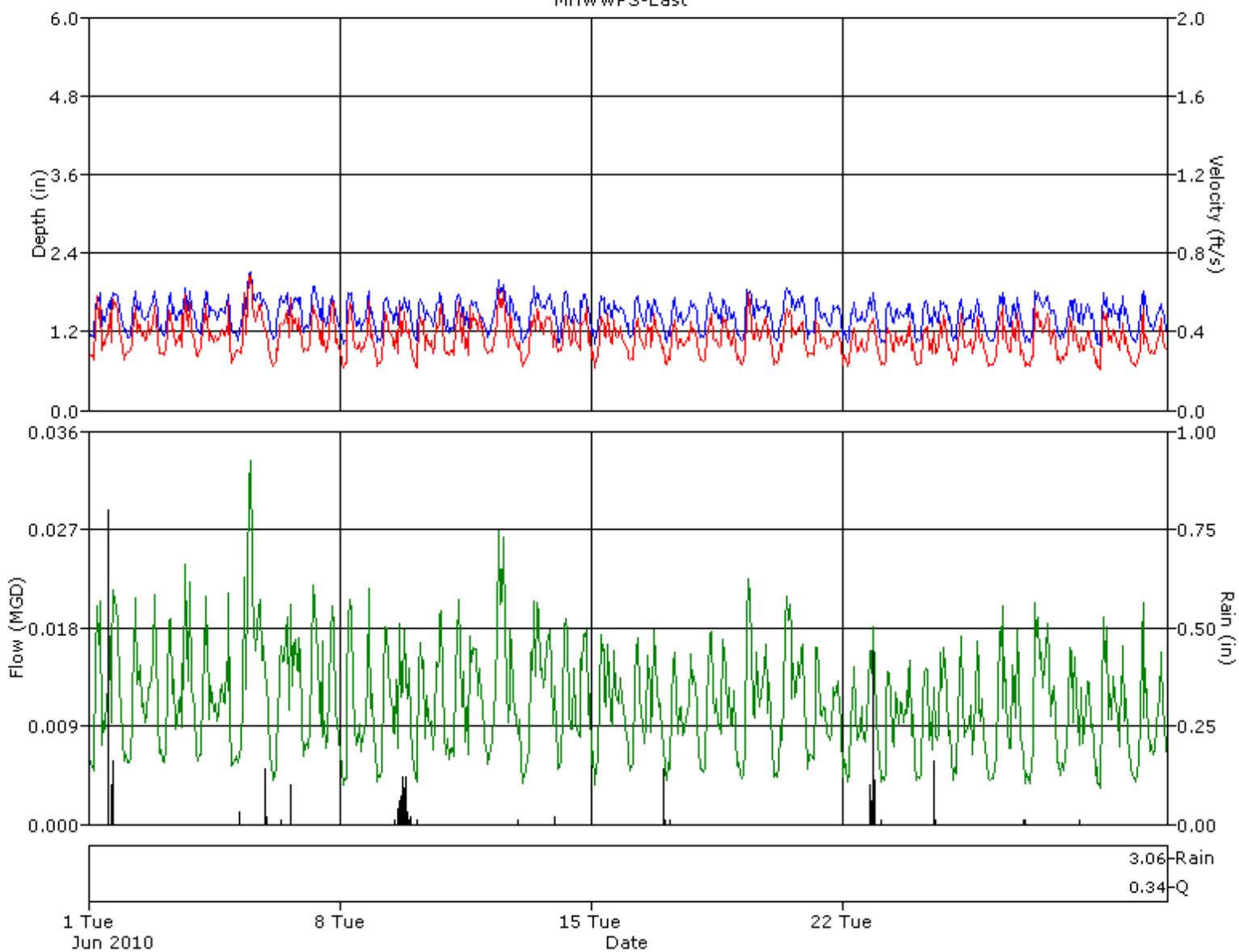
Flow Monitor
MHWWPS-East



Report Period
6/1/2010
To
6/30/2010

Legend

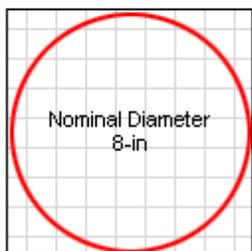
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWPS-East

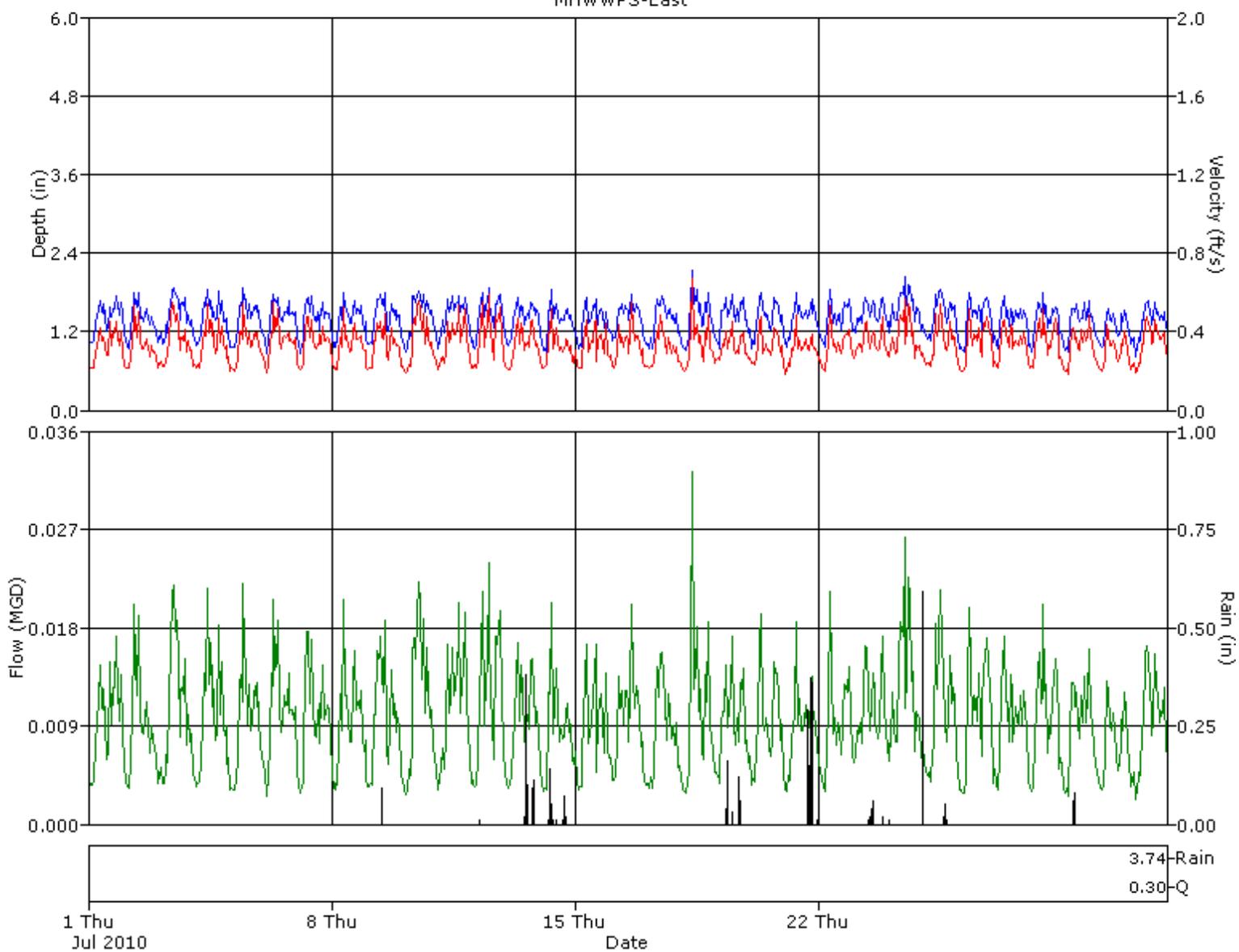
Flow Monitor
MHWWPS-East



Report Period
7/1/2010
To
7/31/2010

Legend

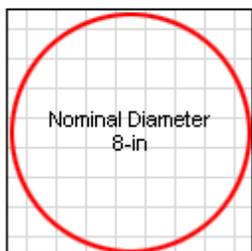
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

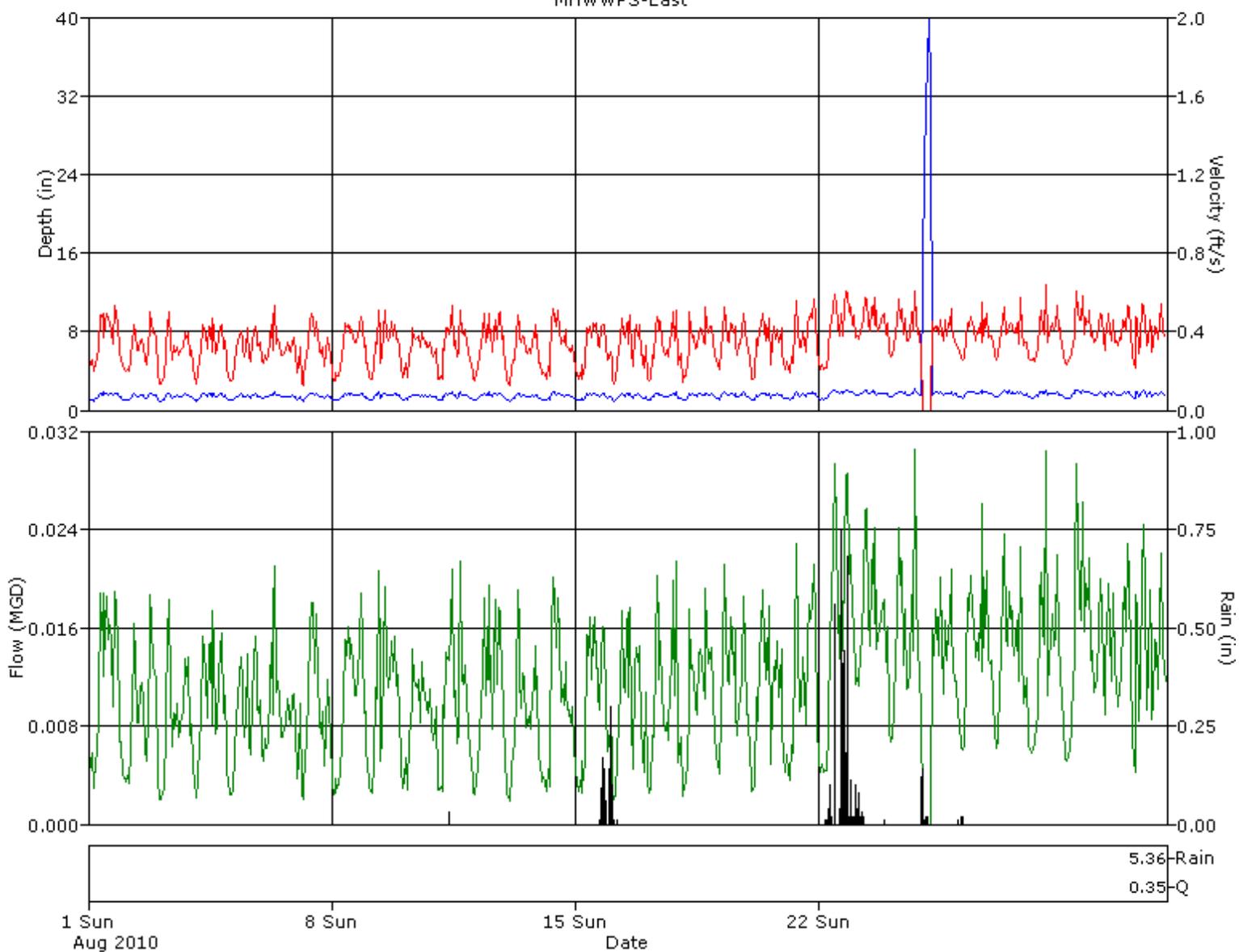
MHWWPS-East

Flow Monitor
MHWWPS-East



Report Period
8/1/2010
To
8/31/2010

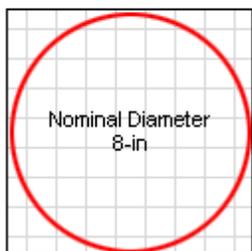
- Legend**
- Depth
 - Velocity
 - Quantity
 - Rain



HYDROGRAPH REPORT

MHWWPS-East

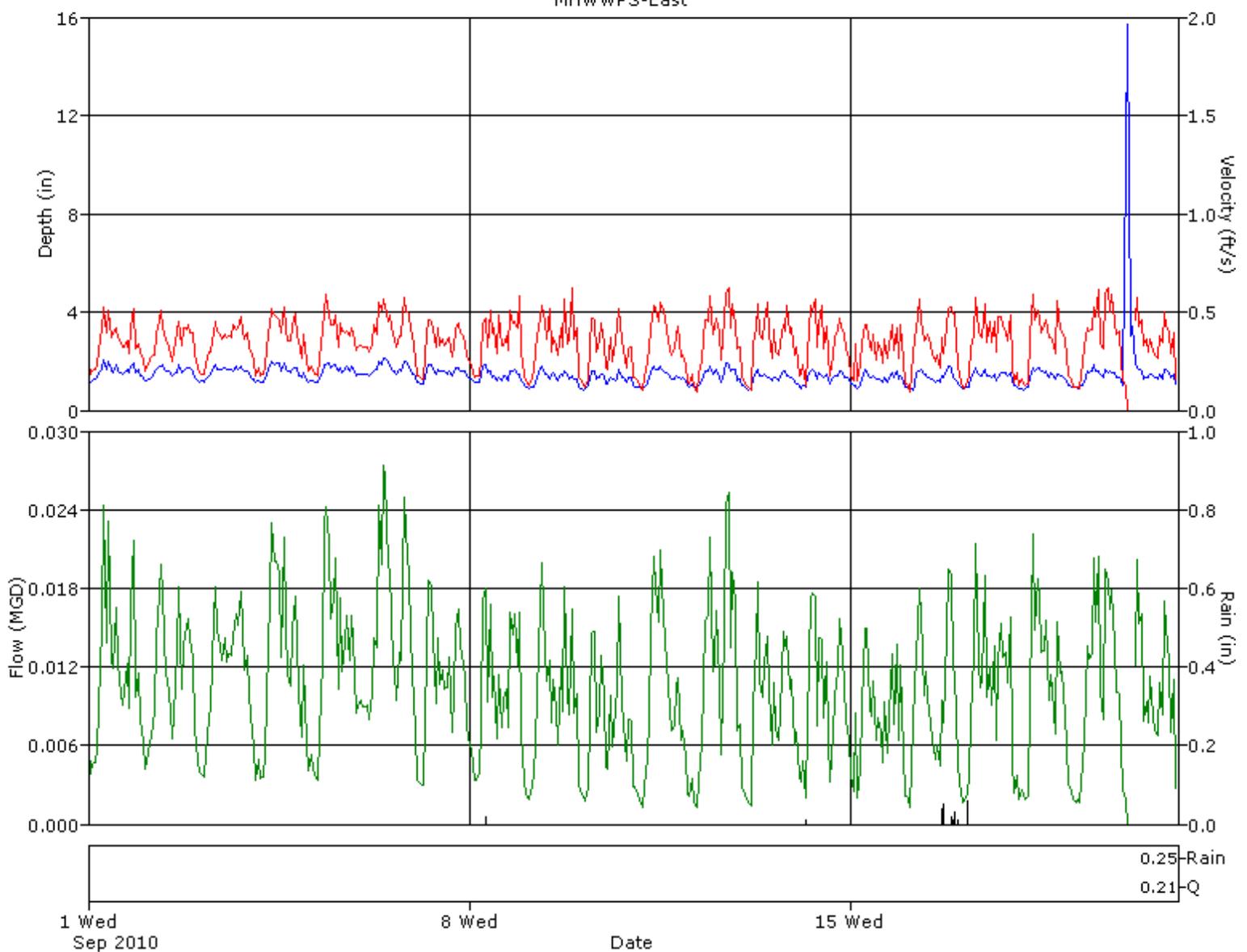
Flow Monitor
MHWWPS-East



Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	04:15	1.86	23:45	2.38	2.06	00:15	0.47	07:00	0.77	0.59	04:00	0.019	07:15	0.042	0.027	0.027	1.18
3/23/2010	04:15	2.07	06:45	2.58	2.29	01:15	0.61	06:30	0.90	0.70	04:15	0.028	06:30	0.055	0.038	0.038	0.83
3/24/2010	02:30	2.06	16:00	2.58	2.28	00:15	0.57	06:15	0.94	0.71	00:45	0.026	07:00	0.058	0.038	0.038	
3/25/2010	05:00	2.05	16:15	2.57	2.27	13:15	0.50	07:15	0.94	0.68	00:45	0.025	07:15	0.058	0.036	0.036	0.01
3/26/2010	04:45	2.04	07:45	2.53	2.20	02:45	0.54	07:45	0.88	0.66	04:45	0.024	07:45	0.054	0.034	0.034	0.26
3/27/2010	06:45	1.99	12:15	2.42	2.16	04:30	0.50	12:00	0.99	0.63	06:45	0.022	12:15	0.054	0.031	0.031	
3/28/2010	03:30	1.89	12:00	2.55	2.14	05:30	0.44	12:00	0.88	0.62	05:30	0.018	12:00	0.054	0.031	0.031	0.10
3/29/2010	00:30	1.90	06:15	2.55	2.25	02:00	0.47	11:15	0.88	0.69	02:00	0.020	11:15	0.054	0.037	0.037	1.51
3/30/2010	14:45	2.02	11:15	2.62	2.23	02:00	0.54	17:30	0.98	0.75	02:00	0.025	10:30	0.058	0.039	0.039	1.34
3/31/2010	23:15	2.02	07:15	2.30	2.14	00:45	0.64	07:15	1.00	0.75	00:45	0.029	07:15	0.054	0.037	0.037	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.347	5.29
Report Avg	2.20	0.68	0.035	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010	18:15	1.97	07:00	2.30	2.09	04:15	0.64	09:15	0.94	0.74	16:15	0.028	07:00	0.049	0.035	0.035	
4/2/2010	21:45	1.81	11:15	2.34	2.00	12:15	0.57	09:30	0.99	0.71	23:00	0.022	09:30	0.052	0.031	0.031	
4/3/2010	00:00	1.84	08:45	2.30	1.98	02:00	0.54	08:45	0.84	0.66	21:30	0.021	08:45	0.045	0.029	0.029	
4/4/2010	03:45	1.76	10:30	2.33	1.96	02:15	0.50	09:00	0.90	0.66	02:15	0.019	09:00	0.049	0.029	0.029	
4/5/2010	23:45	1.69	21:00	2.24	1.92	01:15	0.50	19:15	0.88	0.64	01:45	0.018	21:00	0.045	0.027	0.027	
4/6/2010	00:00	1.88	11:45	2.22	1.86	01:00	0.50	16:45	0.88	0.63	01:00	0.018	16:45	0.044	0.025	0.025	
4/7/2010	15:00	1.63	06:45	2.22	1.83	15:00	0.48	06:15	0.88	0.61	15:00	0.016	06:45	0.043	0.024	0.024	
4/8/2010	03:00	1.55	07:00	2.16	1.78	03:00	0.45	19:45	0.82	0.57	03:00	0.014	19:45	0.035	0.022	0.022	0.11
4/9/2010	01:45	1.55	06:15	2.06	1.77	01:45	0.45	08:45	0.75	0.55	01:45	0.014	06:15	0.031	0.021	0.021	0.30
4/10/2010	01:30	1.54	09:45	2.17	1.80	00:00	0.45	09:30	0.74	0.56	00:00	0.014	12:15	0.035	0.022	0.022	
4/11/2010	02:45	1.55	09:15	2.21	1.78	22:30	0.46	09:15	0.81	0.56	22:30	0.014	09:15	0.041	0.021	0.021	
4/12/2010	11:30	1.55	06:45	2.19	1.73	02:00	0.43	06:45	0.77	0.54	11:30	0.013	06:45	0.039	0.020	0.020	
4/13/2010	02:30	1.53	07:00	2.20	1.72	01:15	0.34	07:00	0.77	0.53	01:15	0.010	07:00	0.039	0.019	0.019	
4/14/2010	03:30	1.50	06:15	2.11	1.71	00:00	0.44	06:15	0.74	0.55	01:00	0.013	06:15	0.035	0.019	0.019	
4/15/2010	04:00	1.44	06:30	2.14	1.69	14:45	0.40	06:30	0.74	0.53	14:45	0.013	06:30	0.036	0.019	0.019	0.03
4/16/2010	16:30	1.50	06:45	2.13	1.73	11:00	0.40	06:30	0.77	0.52	16:15	0.012	06:45	0.036	0.019	0.019	0.22
4/17/2010	05:45	1.40	09:30	2.37	1.76	06:00	0.35	09:30	0.88	0.55	05:45	0.010	09:30	0.049	0.021	0.021	0.06
4/18/2010	06:45	1.38	10:30	2.40	1.70	23:45	0.39	10:00	0.77	0.52	23:45	0.010	10:30	0.044	0.019	0.019	
4/19/2010	00:45	1.39	07:00	2.06	1.66	13:45	0.34	07:30	0.71	0.50	14:15	0.009	07:00	0.032	0.017	0.017	
4/20/2010	15:00	1.39	06:45	2.22	1.62	04:00	0.34	07:00	0.77	0.51	12:00	0.009	06:45	0.037	0.017	0.017	
4/21/2010	03:30	1.38	19:45	2.30	1.64	01:00	0.30	19:45	0.84	0.48	01:00	0.008	19:45	0.045	0.017	0.017	0.05
4/22/2010	13:00	1.36	07:00	2.14	1.60	15:00	0.34	04:45	0.78	0.54	23:45	0.009	07:00	0.033	0.017	0.017	0.01
4/23/2010	10:45	1.35	06:30	2.19	1.62	00:15	0.34	23:00	0.70	0.53	00:15	0.010	06:30	0.033	0.018	0.018	
4/24/2010	04:15	1.36	17:15	2.20	1.64	05:30	0.34	17:30	0.75	0.49	05:30	0.009	17:15	0.037	0.017	0.017	
4/25/2010	03:30	1.30	14:00	2.18	1.63	05:30	0.19	14:15	0.79	0.44	05:30	0.005	13:45	0.038	0.015	0.015	0.65
4/26/2010	04:45	1.30	07:00	2.23	1.60	03:15	0.19	14:15	0.82	0.44	04:30	0.005	07:00	0.040	0.015	0.015	0.88
4/27/2010	03:45	1.33	07:00	1.93	1.58	00:45	0.21	07:00	0.61	0.43	00:45	0.005	07:00	0.026	0.014	0.014	0.06
4/28/2010	04:30	1.32	18:30	2.06	1.57	03:15	0.20	17:45	0.67	0.44	03:15	0.005	18:30	0.031	0.014	0.014	
4/29/2010	04:15	1.28	08:15	2.20	1.59	02:45	0.25	06:45	0.78	0.46	00:15	0.006	06:45	0.036	0.016	0.016	
4/30/2010	04:15	1.17	11:00	2.05	1.57	05:00	0.23	11:15	0.74	0.43	05:00	0.006	11:15	0.034	0.014	0.014	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.611	2.37
Report Avg	1.74	0.54	0.020	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	04:15	1.18	08:15	2.05	1.60	06:30	0.30	17:45	0.74	0.46	04:15	0.007	18:30	0.032	0.016	0.016	
5/2/2010	00:30	1.19	19:30	2.12	1.59	02:45	0.18	09:15	0.68	0.43	02:45	0.004	19:30	0.032	0.014	0.014	
5/3/2010	03:00	1.19	20:30	2.10	1.59	00:30	0.27	21:00	0.68	0.43	01:15	0.006	20:30	0.032	0.014	0.014	0.56
5/4/2010	02:45	1.16	06:45	2.10	1.57	01:30	0.29	21:00	0.68	0.42	03:15	0.006	06:45	0.032	0.014	0.014	
5/5/2010	01:45	1.15	08:30	2.08	1.56	00:30	0.30	08:30	0.68	0.44	04:30	0.006	08:30	0.032	0.014	0.014	0.01
5/6/2010	01:00	1.11	20:45	2.05	1.50	03:00	0.24	07:00	0.67	0.40	03:00	0.005	16:00	0.030	0.012	0.012	
5/7/2010	02:15	1.17	07:00	2.02	1.53	02:15	0.18	20:00	0.78	0.41	02:15	0.004	20:15	0.032	0.013	0.013	
5/8/2010	03:30	1.17	08:15	2.07	1.56	00:30	0.27	08:15	0.71	0.44	02:45	0.007	08:15	0.033	0.014	0.014	0.14
5/9/2010	04:00	1.17	09:45	2.27	1.59	05:45	0.30	11:00	0.81	0.45	03:15	0.007	11:00	0.041	0.015	0.015	
5/10/2010	00:45	1.16	21:00	1.99	1.55	02:45	0.30	21:30	0.69	0.43	00:45	0.006	21:00	0.030	0.014	0.014	
5/11/2010	23:30	1.17	06:30	2.21	1.56	00:00	0.27	04:15	0.74	0.48	00:15	0.006	06:15	0.036	0.015	0.015	
5/12/2010	04:15	1.20	07:30	1.94	1.57	01:00	0.24	07:30	0.61	0.44	02:15	0.005	07:30	0.026	0.014	0.014	0.46
5/13/2010	01:00	1.15	06:45	1.98	1.55	01:00	0.26	20:00	0.67	0.44	01:00	0.005	06:45	0.028	0.014	0.014	
5/14/2010	05:00	1.16	06:30	1.97	1.53	01:30	0.20	06:15	0.64	0.41	04:00	0.004	06:30	0.028	0.013	0.013	0.14
5/15/2010	01:15	1.18	09:30	2.17	1.54	01:45	0.22	11:15	0.64	0.41	01:45	0.005	09:30	0.031	0.013	0.013	
5/16/2010	02:00	1.17	20:15	2.02	1.60	00:30	0.24	20:15	0.67	0.43	00:30	0.005	20:15	0.030	0.015	0.015	
5/17/2010	01:45	1.17	17:30	2.03	1.62	00:45	0.24	17:30	0.67	0.45	00:45	0.005	17:30	0.030	0.015	0.015	
5/18/2010	03:30	1.15	18:45	1.99	1.51	04:15	0.23	19:00	0.62	0.41	04:30	0.005	18:45	0.026	0.013	0.013	0.81
5/19/2010	02:30	1.14	07:30	2.03	1.53	22:45	0.27	20:00	0.71	0.43	02:30	0.006	20:00	0.031	0.014	0.014	0.02
5/20/2010	03:00	1.14	06:15	2.02	1.52	03:15	0.23	06:30	0.71	0.40	03:30	0.005	06:45	0.031	0.013	0.013	
5/21/2010	21:30	1.16	17:30	2.05	1.55	04:15	0.29	06:30	0.65	0.43	04:15	0.006	07:30	0.029	0.014	0.014	
5/22/2010	01:15	1.16	18:30	2.17	1.54	05:45	0.30	18:30	0.71	0.44	06:30	0.007	18:30	0.035	0.014	0.014	
5/23/2010	04:15	1.16	17:15	2.02	1.56	06:30	0.27	12:45	0.61	0.42	06:30	0.006	17:15	0.027	0.014	0.014	
5/24/2010	05:00	1.17	21:15	2.02	1.56	00:30	0.30	21:15	0.67	0.43	00:30	0.006	21:15	0.030	0.014	0.014	0.03
5/25/2010	23:30	1.15	19:15	2.17	1.49	14:45	0.26	19:45	0.72	0.40	03:00	0.006	19:45	0.035	0.012	0.012	
5/26/2010	03:45	1.14	06:00	1.90	1.48	11:45	0.27	17:45	0.64	0.38	04:30	0.006	17:45	0.026	0.011	0.011	
5/27/2010	04:45	1.14	07:00	1.89	1.49	01:15	0.24	07:00	0.61	0.39	02:00	0.005	07:00	0.025	0.012	0.012	
5/28/2010	21:30	1.16	09:45	2.11	1.52	01:00	0.28	10:30	0.67	0.40	21:30	0.006	09:45	0.032	0.013	0.013	0.06
5/29/2010	01:15	1.08	08:45	2.05	1.52	02:00	0.24	13:30	0.67	0.41	01:15	0.005	14:00	0.030	0.013	0.013	0.04
5/30/2010	05:15	1.05	09:00	2.04	1.53	23:15	0.24	09:00	0.61	0.40	05:15	0.005	09:00	0.028	0.013	0.013	
5/31/2010	06:00	1.05	13:15	1.99	1.52	00:45	0.24	10:45	0.64	0.41	00:45	0.005	13:15	0.028	0.013	0.013	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.423	2.27
Report Avg	1.55	0.42	0.014	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
6/1/2010	04:15	1.01	06:45	1.91	1.49	04:15	0.23	06:45	0.71	0.41	04:15	0.004	06:45	0.029	0.013	0.013	1.07
6/2/2010	03:30	1.01	20:30	2.00	1.48	00:30	0.24	20:45	0.61	0.40	03:30	0.004	20:30	0.027	0.012	0.012	
6/3/2010	02:15	1.01	20:30	2.02	1.49	00:45	0.27	06:15	0.65	0.40	02:15	0.005	07:00	0.028	0.012	0.012	
6/4/2010	03:45	1.15	06:45	1.93	1.51	01:00	0.26	22:30	0.64	0.39	02:00	0.006	22:30	0.027	0.012	0.012	
6/5/2010	04:45	1.01	11:30	2.21	1.59	00:00	0.22	11:30	0.75	0.44	02:30	0.004	11:30	0.038	0.015	0.015	0.19
6/6/2010	04:15	1.03	22:00	2.04	1.52	03:15	0.22	15:00	0.61	0.39	03:15	0.004	22:00	0.024	0.012	0.012	0.11
6/7/2010	00:45	1.01	06:45	2.06	1.49	23:00	0.27	20:15	0.66	0.39	00:45	0.005	06:45	0.027	0.012	0.012	
6/8/2010	02:00	1.00	19:30	1.92	1.43	02:00	0.21	07:00	0.61	0.36	02:00	0.003	07:30	0.025	0.011	0.011	
6/9/2010	01:15	0.99	19:00	1.92	1.46	01:15	0.21	07:00	0.66	0.37	01:15	0.003	07:00	0.027	0.011	0.011	0.57
6/10/2010	04:30	0.97	20:15	1.90	1.45	04:30	0.20	20:15	0.61	0.36	04:30	0.003	20:15	0.025	0.011	0.011	0.01
6/11/2010	01:15	1.15	16:45	2.03	1.48	04:00	0.26	07:30	0.61	0.40	01:15	0.005	16:45	0.026	0.012	0.012	
6/12/2010	03:15	1.05	13:00	2.23	1.52	06:45	0.27	13:15	0.71	0.40	03:15	0.005	13:00	0.036	0.013	0.013	0.01
6/13/2010	01:45	0.96	10:15	2.22	1.52	01:45	0.19	13:15	0.62	0.39	01:45	0.003	12:30	0.031	0.013	0.013	0.02
6/14/2010	03:00	0.98	06:45	2.08	1.47	01:00	0.27	21:30	0.58	0.38	03:00	0.005	06:45	0.025	0.012	0.012	
6/15/2010	02:15	1.00	11:45	1.91	1.47	02:15	0.21	11:30	0.58	0.37	02:15	0.003	11:45	0.024	0.011	0.011	
6/16/2010	01:30	1.01	14:15	1.95	1.46	01:30	0.21	18:15	0.57	0.36	01:30	0.004	18:15	0.023	0.011	0.011	
6/17/2010	02:45	0.99	17:45	1.94	1.43	02:45	0.21	18:45	0.50	0.36	02:45	0.003	17:45	0.021	0.010	0.010	0.16
6/18/2010	01:30	1.00	07:30	1.97	1.45	01:30	0.21	08:30	0.62	0.36	01:30	0.003	08:15	0.025	0.011	0.011	
6/19/2010	05:30	1.00	08:15	2.04	1.46	05:30	0.21	09:00	0.61	0.38	05:30	0.003	09:30	0.026	0.011	0.011	
6/20/2010	04:45	1.00	10:30	2.08	1.52	02:00	0.20	11:45	0.61	0.38	04:45	0.003	10:30	0.028	0.012	0.012	
6/21/2010	00:00	1.02	07:30	1.88	1.43	00:45	0.26	07:30	0.54	0.36	00:00	0.004	07:30	0.022	0.010	0.010	
6/22/2010	04:00	1.03	18:45	2.04	1.41	04:00	0.22	19:45	0.57	0.34	04:00	0.004	20:30	0.025	0.010	0.010	0.71
6/23/2010	03:15	1.01	07:30	1.89	1.40	03:15	0.21	21:30	0.52	0.34	03:15	0.004	06:45	0.020	0.010	0.010	0.01
6/24/2010	03:30	1.03	19:15	1.90	1.41	05:00	0.22	17:30	0.54	0.34	03:30	0.004	19:15	0.022	0.010	0.010	0.17
6/25/2010	03:00	1.03	05:30	1.79	1.39	03:00	0.22	07:00	0.54	0.34	03:00	0.004	17:30	0.020	0.009	0.009	
6/26/2010	00:45	1.02	10:00	2.02	1.41	00:45	0.22	08:45	0.58	0.35	00:45	0.004	08:45	0.026	0.010	0.010	
6/27/2010	05:30	1.01	10:15	1.93	1.45	05:30	0.22	08:30	0.57	0.36	05:30	0.004	10:15	0.024	0.011	0.011	0.02
6/28/2010	01:00	1.02	10:30	1.87	1.43	01:00	0.22	08:00	0.54	0.34	01:00	0.004	08:00	0.021	0.010	0.010	0.01
6/29/2010	04:30	0.97	08:15	1.89	1.41	04:30	0.20	08:30	0.59	0.35	04:30	0.003	08:30	0.024	0.010	0.010	
6/30/2010	03:30	1.01	10:00	2.03	1.38	03:30	0.22	08:30	0.61	0.33	03:30	0.004	07:45	0.027	0.009	0.009	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.336	3.06
Report Avg	1.46	0.37	0.011	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010	03:30	1.00	19:00	1.94	1.41	03:30	0.20	15:45	0.56	0.33	03:30	0.003	15:15	0.022	0.010	0.010	
7/2/2010	04:15	0.87	08:00	1.99	1.39	01:15	0.19	07:45	0.59	0.33	04:45	0.003	07:45	0.026	0.009	0.009	
7/3/2010	03:15	0.86	12:00	2.10	1.43	00:45	0.19	09:45	0.67	0.34	03:15	0.003	12:00	0.032	0.011	0.011	
7/4/2010	04:00	0.89	12:30	2.03	1.40	00:15	0.19	10:30	0.64	0.34	00:15	0.003	10:30	0.027	0.010	0.010	
7/5/2010	02:30	0.81	11:00	2.06	1.40	04:15	0.19	11:00	0.61	0.33	02:30	0.002	11:00	0.028	0.010	0.010	
7/6/2010	03:00	0.85	21:15	1.90	1.44	02:45	0.18	08:00	0.61	0.36	03:00	0.002	08:15	0.025	0.011	0.011	
7/7/2010	02:15	0.84	08:15	2.03	1.38	00:30	0.20	08:15	0.64	0.34	02:15	0.003	08:15	0.029	0.010	0.010	
7/8/2010	03:30	0.86	08:15	2.01	1.37	03:15	0.20	08:30	0.61	0.33	03:15	0.003	08:30	0.027	0.009	0.009	
7/9/2010	02:45	0.88	11:30	2.11	1.42	02:15	0.19	05:30	0.54	0.34	02:45	0.003	10:15	0.023	0.010	0.010	0.09
7/10/2010	04:15	0.87	13:15	2.15	1.44	05:00	0.18	12:30	0.67	0.35	03:45	0.003	13:15	0.033	0.011	0.011	
7/11/2010	02:30	0.90	15:00	2.00	1.45	00:30	0.20	15:00	0.68	0.35	01:30	0.003	15:00	0.030	0.011	0.011	
7/12/2010	02:45	0.85	19:00	2.11	1.44	01:00	0.19	12:00	0.67	0.37	01:45	0.003	19:00	0.032	0.011	0.011	0.01
7/13/2010	02:15	0.95	12:45	1.79	1.41	03:15	0.20	08:30	0.55	0.34	02:15	0.003	08:30	0.020	0.010	0.010	0.70
7/14/2010	04:45	0.85	11:00	1.94	1.37	01:45	0.20	08:30	0.54	0.32	02:00	0.003	08:00	0.022	0.009	0.009	0.36
7/15/2010	03:30	0.87	12:15	1.88	1.35	03:30	0.20	21:30	0.58	0.33	03:30	0.003	14:15	0.021	0.009	0.009	
7/16/2010	03:30	1.04	11:00	1.79	1.42	03:00	0.20	15:15	0.64	0.33	03:30	0.004	15:15	0.024	0.010	0.010	
7/17/2010	01:30	0.88	08:30	1.80	1.37	01:45	0.20	11:45	0.56	0.31	03:15	0.003	08:30	0.018	0.009	0.009	
7/18/2010	04:15	0.87	09:30	2.25	1.40	04:00	0.19	08:45	0.67	0.33	04:15	0.003	09:30	0.035	0.010	0.010	
7/19/2010	03:15	0.91	05:15	1.89	1.40	00:45	0.22	12:00	0.50	0.32	03:15	0.004	12:00	0.021	0.009	0.009	0.41
7/20/2010	04:15	0.92	08:30	2.07	1.40	05:00	0.22	08:15	0.64	0.32	04:15	0.003	07:45	0.029	0.009	0.009	
7/21/2010	01:15	0.92	09:00	1.95	1.42	01:00	0.17	09:00	0.61	0.32	01:15	0.003	09:00	0.026	0.009	0.009	1.20
7/22/2010	04:00	0.92	08:00	2.02	1.40	03:15	0.18	08:00	0.64	0.33	03:45	0.003	08:00	0.029	0.009	0.009	
7/23/2010	01:00	0.95	08:00	1.93	1.47	23:00	0.23	20:15	0.57	0.35	01:00	0.003	08:45	0.022	0.010	0.010	0.15
7/24/2010	00:30	1.10	11:15	2.19	1.57	06:00	0.24	11:15	0.64	0.37	00:30	0.004	11:15	0.032	0.012	0.012	0.01
7/25/2010	01:30	0.99	08:45	2.04	1.47	01:30	0.19	08:45	0.61	0.35	01:30	0.003	08:45	0.028	0.011	0.011	0.67
7/26/2010	01:45	0.79	08:30	1.91	1.38	02:45	0.18	08:45	0.58	0.34	03:00	0.002	08:15	0.024	0.010	0.010	
7/27/2010	03:45	0.87	08:15	1.90	1.37	03:30	0.19	09:00	0.54	0.34	03:45	0.003	08:15	0.022	0.009	0.009	
7/28/2010	03:00	0.86	11:15	1.99	1.36	04:30	0.19	11:30	0.61	0.34	03:00	0.003	12:00	0.026	0.010	0.010	
7/29/2010	01:15	0.82	17:45	2.02	1.36	04:00	0.18	17:45	0.61	0.33	01:15	0.002	17:45	0.027	0.009	0.009	0.14
7/30/2010	04:30	0.83	11:15	1.72	1.26	03:00	0.19	07:15	0.54	0.30	04:30	0.002	07:15	0.018	0.007	0.007	
7/31/2010	02:45	0.77	09:00	1.92	1.33	03:15	0.19	09:30	0.54	0.34	02:45	0.002	09:00	0.022	0.009	0.009	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.302	3.74
Report Avg	1.40	0.34	0.010	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
8/1/2010	02:00	0.88	08:45	2.03	1.46	00:00	0.19	18:00	0.61	0.36	01:30	0.003	19:30	0.026	0.011	0.011	
8/2/2010	00:00	0.90	08:15	1.99	1.42	16:45	0.19	23:15	0.64	0.33	01:30	0.003	23:15	0.025	0.010	0.010	
8/3/2010	02:30	0.91	08:15	1.95	1.38	02:30	0.11	08:30	0.61	0.30	02:30	0.002	08:30	0.025	0.008	0.008	
8/4/2010	01:30	0.91	14:30	2.02	1.43	01:30	0.11	14:30	0.67	0.32	01:30	0.002	14:30	0.030	0.010	0.010	
8/5/2010	04:00	0.93	19:00	1.86	1.37	04:00	0.12	07:15	0.61	0.30	04:00	0.002	07:15	0.021	0.009	0.009	
8/6/2010	12:15	1.11	09:30	2.14	1.45	12:15	0.20	09:30	0.67	0.33	12:15	0.004	09:30	0.033	0.010	0.010	
8/7/2010	05:00	0.92	11:15	2.01	1.40	05:00	0.12	11:15	0.57	0.31	05:00	0.002	11:15	0.025	0.009	0.009	
8/8/2010	05:15	0.95	20:15	2.08	1.43	05:15	0.13	20:15	0.64	0.33	05:15	0.002	20:15	0.030	0.010	0.010	
8/9/2010	05:00	0.96	08:15	2.25	1.45	05:00	0.13	08:15	0.74	0.33	05:00	0.002	08:15	0.039	0.010	0.010	
8/10/2010	01:45	0.97	14:45	1.94	1.38	01:45	0.14	08:45	0.67	0.31	01:45	0.002	08:45	0.027	0.009	0.009	
8/11/2010	04:00	0.93	17:00	2.29	1.44	04:00	0.12	11:30	0.74	0.33	04:00	0.002	17:00	0.038	0.010	0.010	0.03
8/12/2010	05:30	0.96	17:30	2.14	1.44	05:30	0.13	09:15	0.71	0.34	05:30	0.002	17:30	0.034	0.011	0.011	
8/13/2010	05:00	0.91	08:45	2.19	1.38	05:00	0.11	08:45	0.77	0.31	05:00	0.002	08:45	0.039	0.009	0.009	
8/14/2010	02:15	0.93	13:00	2.09	1.41	02:15	0.12	13:00	0.71	0.32	02:15	0.002	13:00	0.033	0.010	0.010	
8/15/2010	02:15	0.95	19:30	2.11	1.42	02:15	0.13	14:30	0.69	0.32	02:15	0.002	13:15	0.030	0.010	0.010	0.61
8/16/2010	03:30	0.92	12:45	2.02	1.42	03:30	0.12	08:30	0.64	0.33	03:30	0.002	12:45	0.027	0.010	0.010	0.42
8/17/2010	02:00	0.92	08:15	2.36	1.45	02:00	0.12	08:15	0.81	0.34	02:00	0.002	08:15	0.045	0.011	0.011	
8/18/2010	02:00	0.97	09:00	1.94	1.47	02:00	0.14	07:30	0.64	0.35	02:00	0.002	18:15	0.024	0.011	0.011	
8/19/2010	04:15	1.13	07:30	2.10	1.51	04:15	0.21	07:30	0.74	0.36	04:15	0.004	07:30	0.035	0.011	0.011	
8/20/2010	03:45	0.98	14:15	2.09	1.46	03:45	0.14	14:15	0.67	0.34	03:45	0.002	14:15	0.032	0.011	0.011	
8/21/2010	04:30	1.00	09:00	2.25	1.52	04:30	0.15	08:00	0.74	0.37	04:30	0.002	09:00	0.039	0.012	0.012	
8/22/2010	03:00	1.04	11:30	2.51	1.66	03:00	0.17	11:30	0.91	0.41	03:00	0.003	11:30	0.055	0.015	0.015	3.59
8/23/2010	22:30	1.47	09:45	2.23	1.74	17:00	0.27	08:00	0.71	0.45	17:00	0.008	09:45	0.036	0.017	0.017	0.35
8/24/2010	03:00	1.22	18:00	2.34	1.67	03:00	0.25	07:30	0.67	0.40	03:00	0.005	18:00	0.037	0.014	0.014	0.12
8/25/2010	06:00	1.20	05:15	44.36	8.74	00:00	0.00	15:30	0.71	0.31	00:00	0.000	12:30	0.032	0.011	0.011	0.19
8/26/2010	02:45	1.29	17:30	2.38	1.70	12:45	0.24	17:30	0.67	0.39	02:45	0.006	17:30	0.038	0.014	0.014	0.05
8/27/2010	01:15	1.28	11:00	2.09	1.68	01:15	0.25	17:30	0.64	0.39	01:15	0.006	08:15	0.027	0.014	0.014	
8/28/2010	03:00	1.22	13:45	2.37	1.62	05:45	0.17	23:00	0.71	0.38	05:45	0.005	13:45	0.038	0.013	0.013	
8/29/2010	02:45	1.10	14:45	2.36	1.67	02:45	0.20	10:00	0.81	0.39	02:45	0.004	10:00	0.043	0.015	0.015	
8/30/2010	05:00	1.20	19:00	2.27	1.69	05:00	0.24	19:00	0.67	0.41	05:00	0.005	19:00	0.036	0.015	0.015	
8/31/2010	02:45	1.11	08:15	2.17	1.62	02:45	0.20	07:45	0.67	0.39	02:45	0.004	08:15	0.030	0.014	0.014	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.353	5.36
Report Avg	1.74	0.35	0.011	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MHWWS-East, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	01:00	1.07	09:45	2.34	1.58	01:00	0.15	09:45	0.71	0.35	01:00	0.003	09:45	0.039	0.012	0.012	
9/2/2010	02:00	1.09	07:00	2.08	1.54	02:00	0.16	18:15	0.66	0.34	02:00	0.003	07:00	0.027	0.011	0.011	
9/3/2010	03:15	1.10	20:00	2.32	1.56	03:15	0.16	08:15	0.67	0.35	03:15	0.003	20:00	0.033	0.012	0.012	
9/4/2010	04:45	1.07	10:45	2.23	1.56	04:45	0.15	10:45	0.67	0.36	04:45	0.003	10:45	0.035	0.012	0.012	
9/5/2010	01:45	1.07	08:30	2.39	1.56	01:45	0.14	08:30	0.88	0.36	01:45	0.003	08:30	0.050	0.012	0.012	
9/6/2010	16:45	1.27	11:30	2.37	1.70	04:30	0.24	10:45	0.81	0.42	16:45	0.006	10:45	0.045	0.015	0.015	
9/7/2010	04:30	1.04	15:15	2.07	1.51	04:30	0.13	07:15	0.57	0.33	04:30	0.002	15:15	0.027	0.011	0.011	
9/8/2010	14:30	0.97	06:45	2.08	1.39	05:00	0.11	13:30	0.82	0.36	05:00	0.002	09:30	0.028	0.010	0.010	0.02
9/9/2010	03:00	0.83	08:45	1.99	1.31	02:30	0.10	21:30	0.94	0.35	02:30	0.001	08:45	0.028	0.010	0.010	
9/10/2010	01:45	0.80	18:15	1.77	1.25	04:15	0.09	16:30	0.74	0.32	04:15	0.001	16:30	0.021	0.008	0.008	
9/11/2010	06:00	0.82	13:00	1.98	1.32	02:45	0.09	14:45	0.74	0.33	02:45	0.001	13:00	0.029	0.009	0.009	
9/12/2010	04:30	0.86	21:15	2.24	1.39	04:00	0.09	21:15	0.77	0.36	04:00	0.001	21:15	0.040	0.011	0.011	
9/13/2010	02:00	0.81	18:45	2.03	1.28	04:45	0.10	11:15	0.96	0.34	04:45	0.001	18:45	0.029	0.009	0.009	
9/14/2010	02:00	0.81	07:15	1.90	1.31	04:00	0.09	00:00	0.91	0.35	04:00	0.001	07:15	0.029	0.010	0.010	0.01
9/15/2010	02:15	0.79	07:30	1.98	1.27	01:30	0.09	07:30	0.61	0.31	01:30	0.001	07:30	0.026	0.008	0.008	
9/16/2010	03:00	0.81	19:00	2.04	1.30	02:45	0.09	06:15	0.84	0.34	02:45	0.001	20:30	0.030	0.010	0.009	0.16
9/17/2010	01:45	0.83	07:45	2.06	1.34	02:30	0.09	07:45	0.84	0.35	02:30	0.001	07:45	0.039	0.010	0.010	0.06
9/18/2010	03:30	0.79	08:15	2.21	1.31	00:15	0.09	08:15	0.77	0.36	00:15	0.001	08:15	0.039	0.010	0.009	
9/19/2010	00:45	0.84	13:15	1.90	1.34	04:45	0.09	13:30	0.74	0.36	04:45	0.001	13:15	0.028	0.010	0.010	
9/20/2010	23:45	0.88	01:45	37.71	2.54	02:00	0.00	05:30	0.71	0.34	02:00	0.000	06:30	0.025	0.010	0.009	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.208	0.25
Report Avg	1.47	0.35	0.011	

Site Commentary

Site Information

MHWWPS-West	
Pipe Dimensions (in.)	Circular (8.00 in H)
Silt (in.)	0.00

Overview

A review of the [hydrograph](#) for MHWWPS-West indicate this location functioned mostly in free-flow conditions for the monitoring period of Monday, March 22, 2010 to Monday, September 20, 2010 . The [scattergraph](#) also show surcharge events, characterized by an increase in depth to the crown of the pipe or manhole entry. Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

Daily [longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Monday, March 22, 2010 to Monday, September 20, 2010 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	1.49	0.48	0.014
Minimum	0.02	0.00	0.000
Maximum	47.22	1.05	0.178
Time of Minimum	9/20/2010 5:30 PM	8/25/2010 12:00 AM	8/25/2010 12:00 AM
Time of Maximum	8/25/2010 5:15 AM	3/30/2010 12:15 PM	9/20/2010 2:15 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data. Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

Data Quality

Data uptime observed during the Monday, March 22, 2010 to the Monday, September 20, 2010 monitoring period is provided in the table below.

Percent Uptime	
Depth (in)	95.02
Velocity (ft/s)	94.97
Quantity (MGD)	94.97

SCATTERGRAPH REPORT

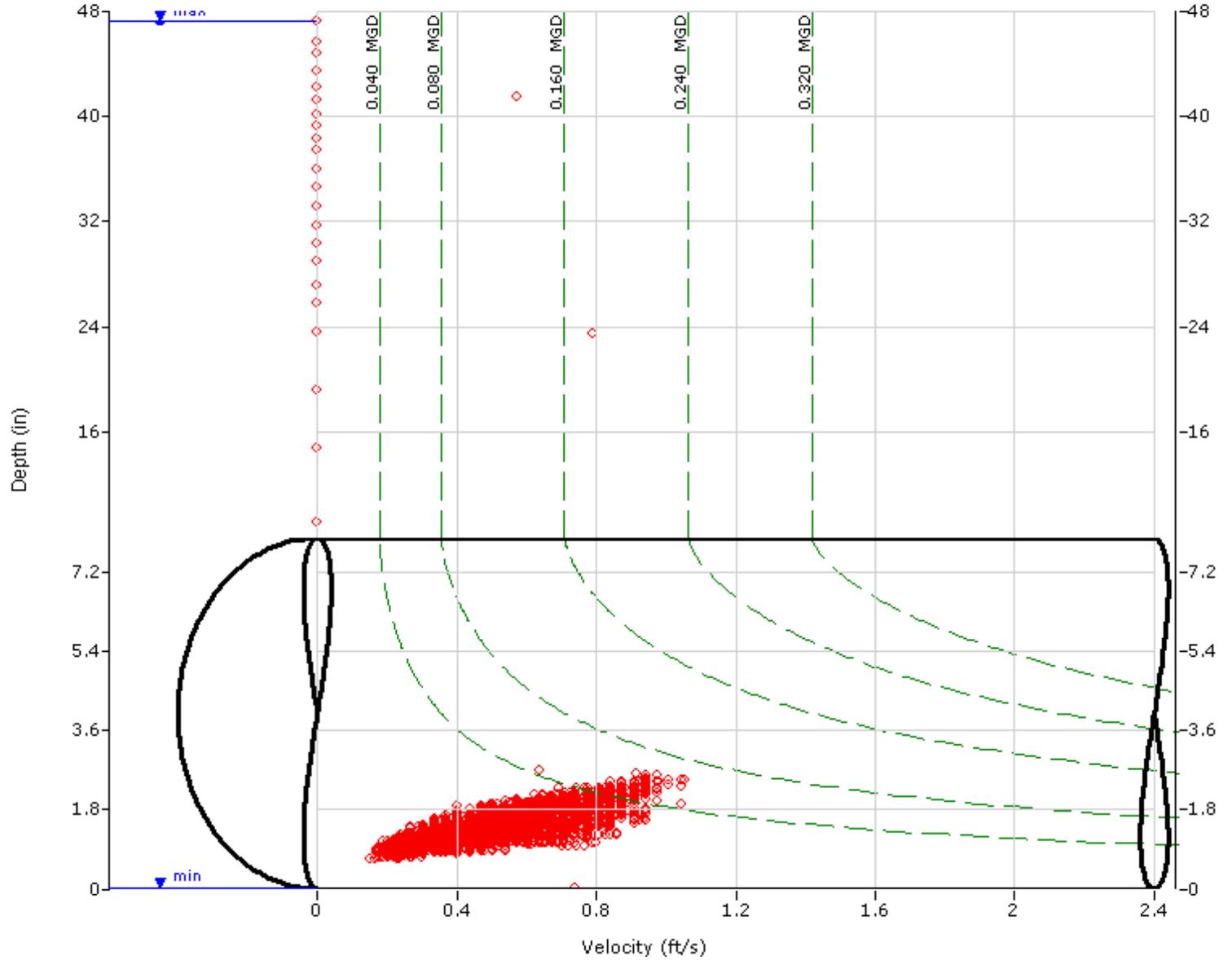
MHWWS-West

Flow Monitor
MHWWS-West



Report Period
3/22/2010
To
9/20/2010

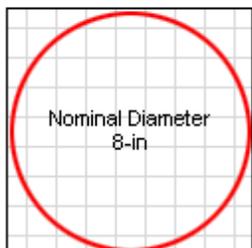
- Legend**
- Depth - Velocity
 - Iso-Q™
 - Silt
 - ▼ Min-Max Depth



HYDROGRAPH REPORT

MHWWS-West

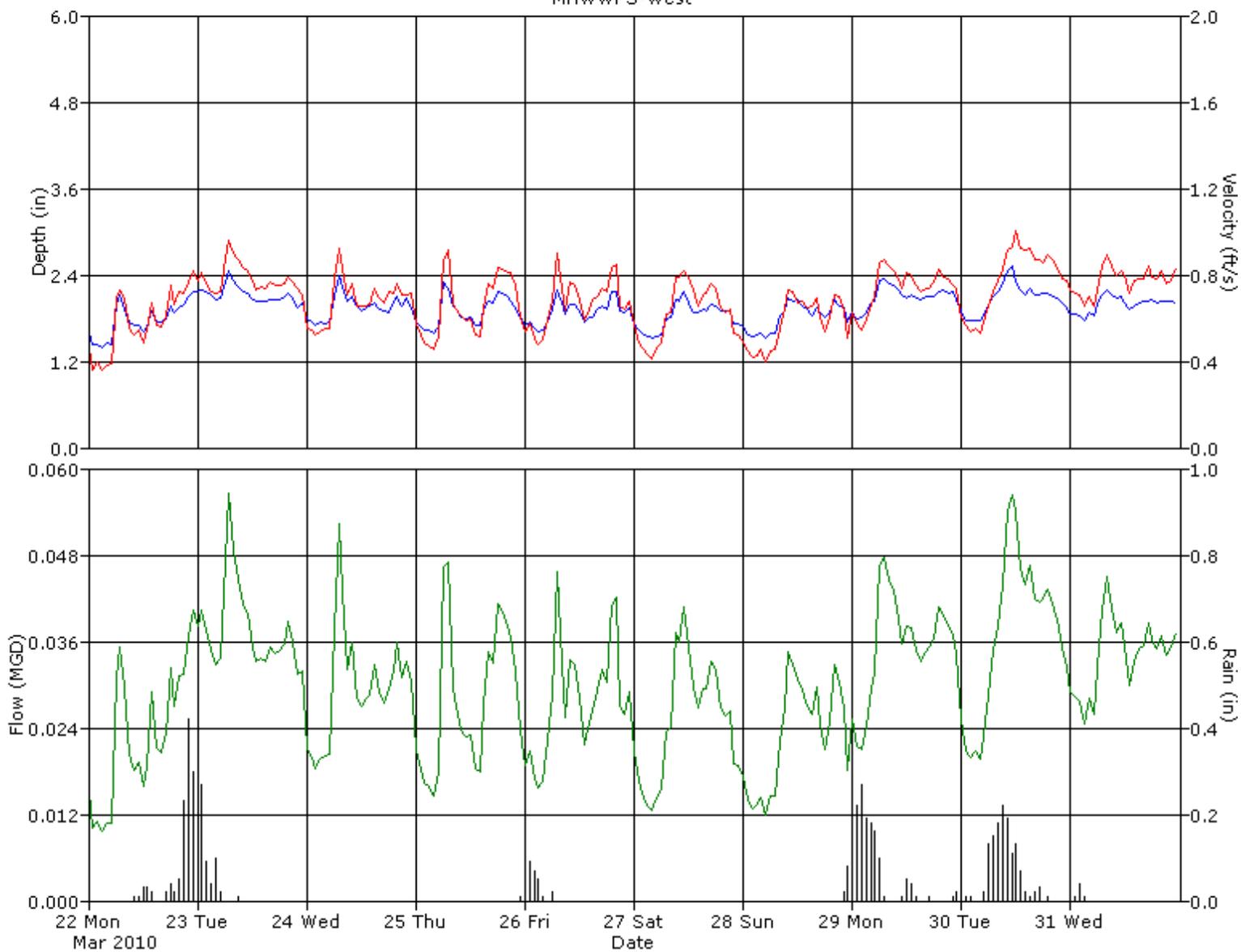
Flow Monitor
MHWWS-West



Report Period
3/22/2010
To
3/31/2010

Legend

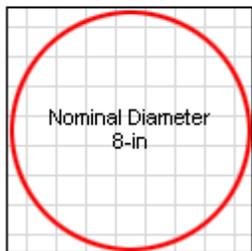
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWPS-West

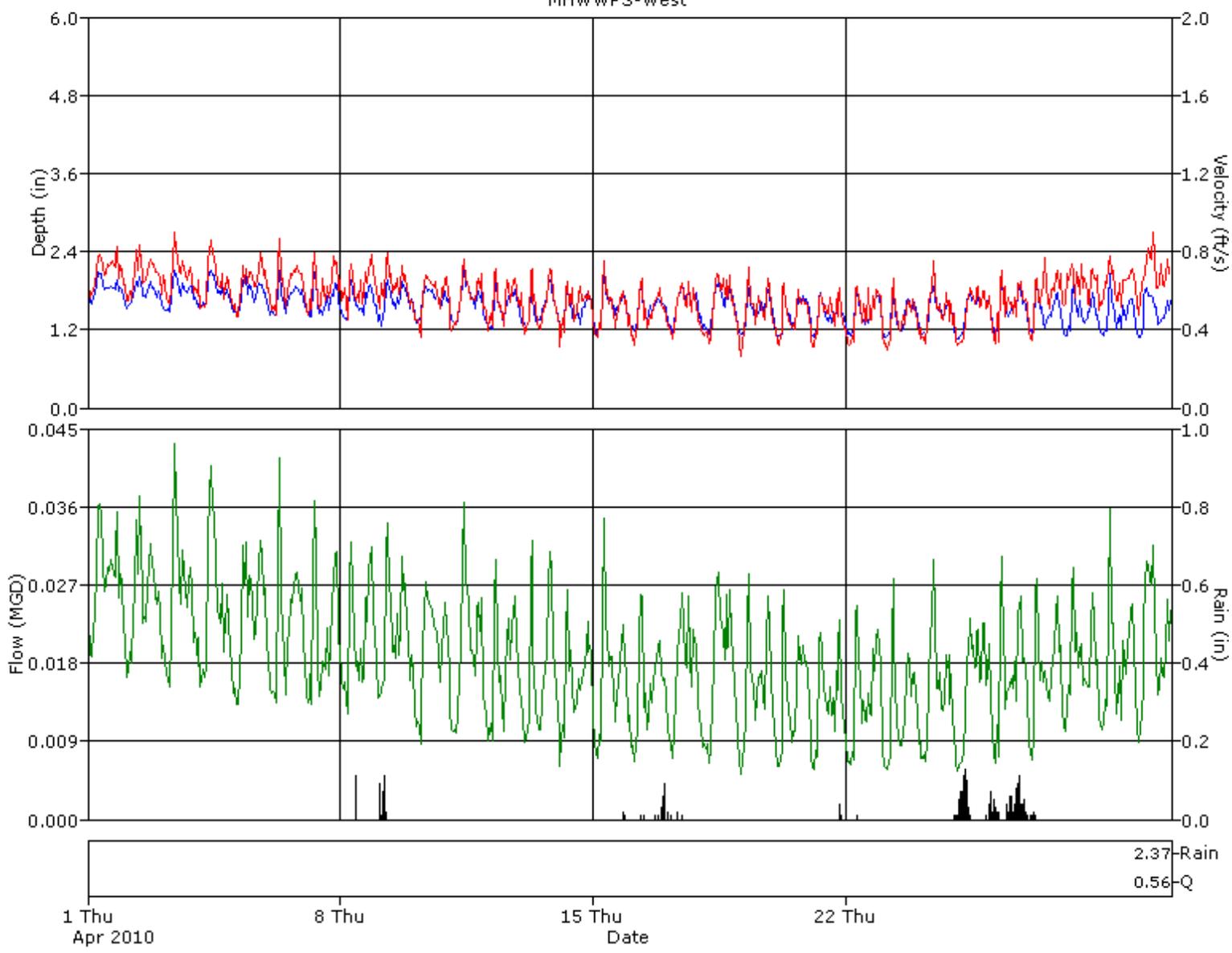
Flow Monitor
MHWWPS-West



Report Period
4/1/2010
To
4/30/2010

Legend

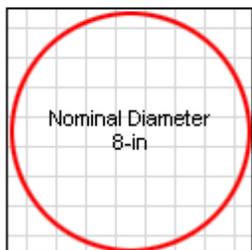
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWPS-West

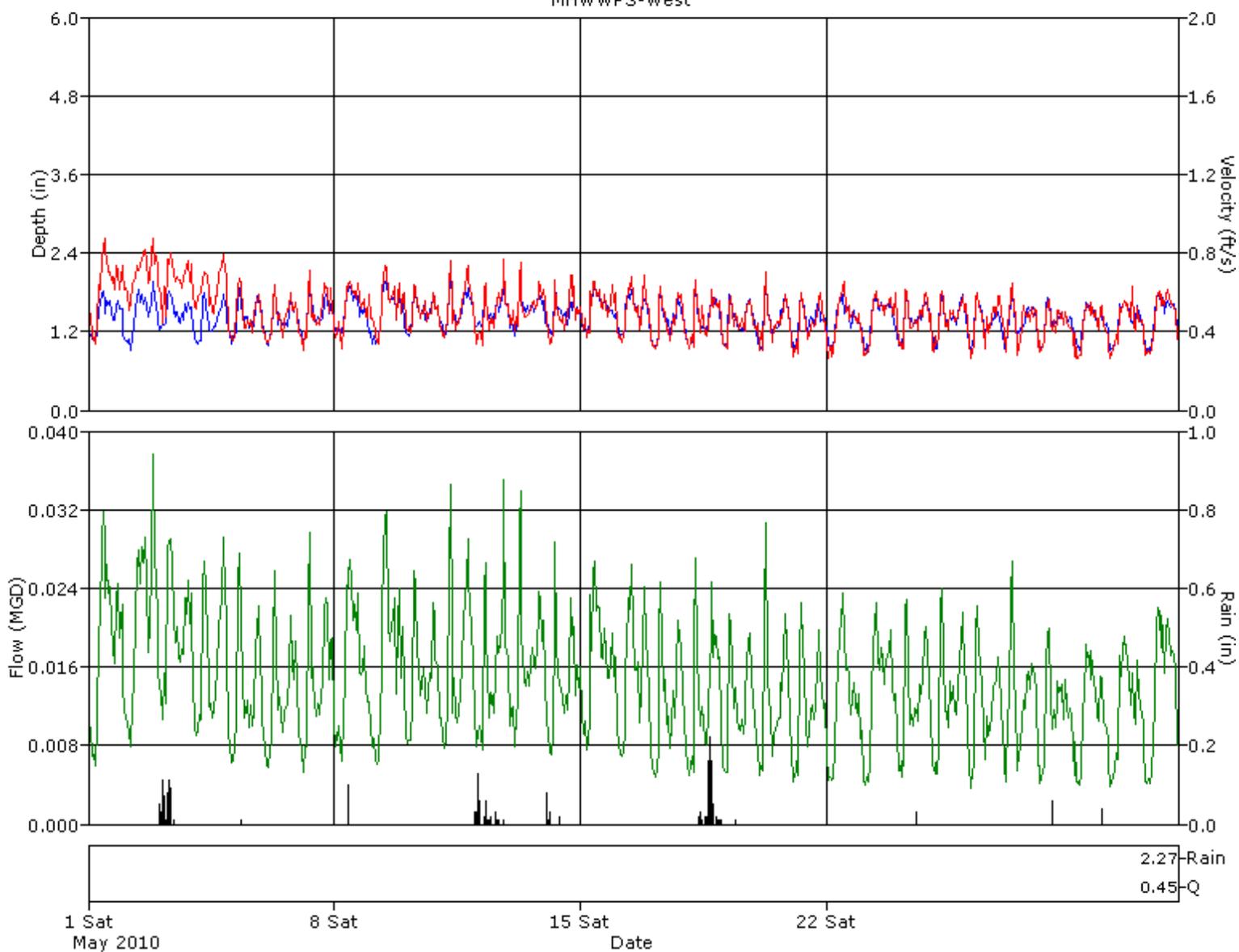
Flow Monitor
MHWWPS-West



Report Period
5/1/2010
To
5/31/2010

Legend

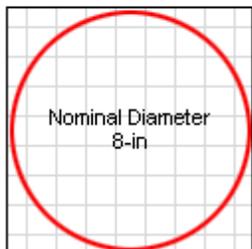
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWPS-West

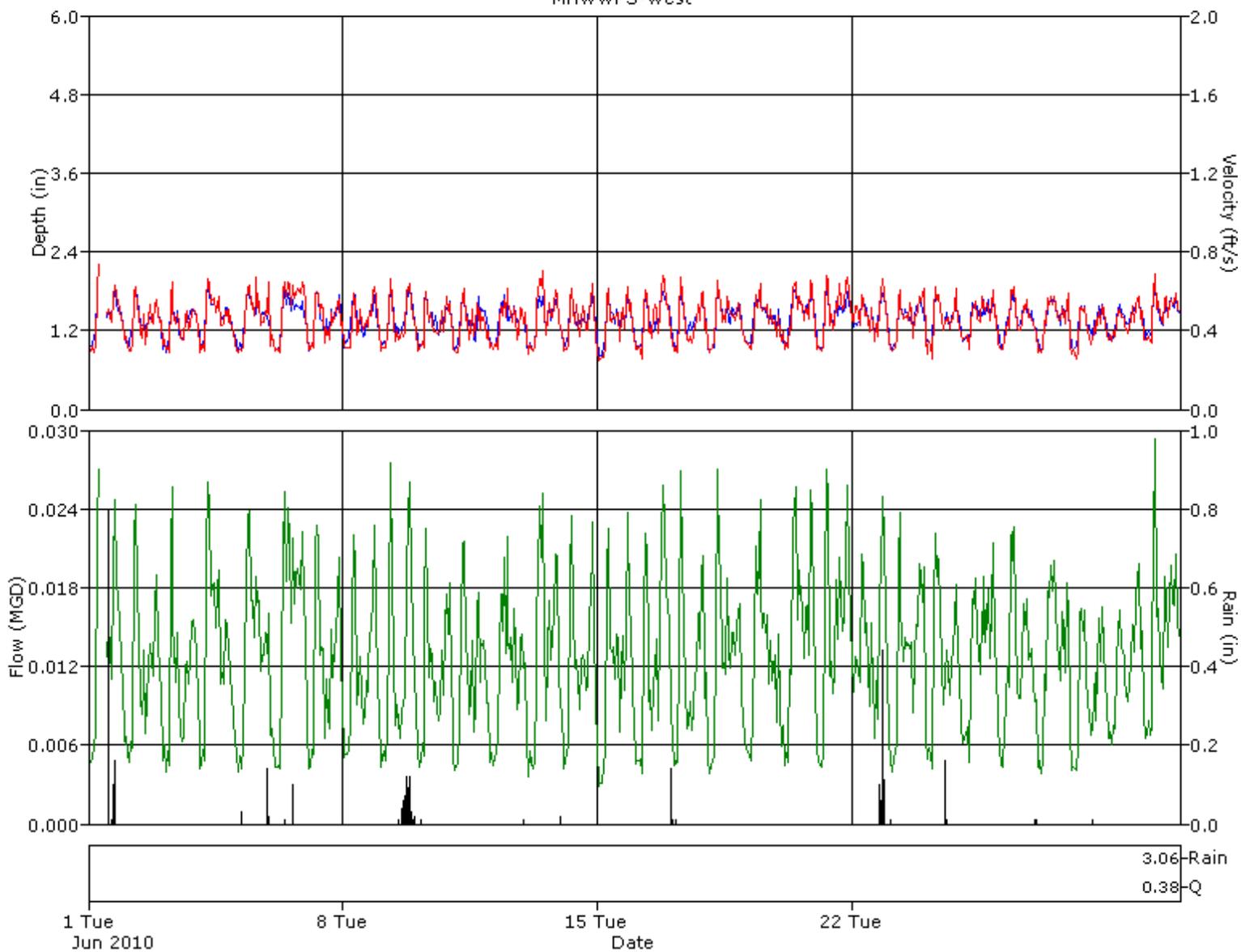
Flow Monitor
MHWPS-West



Report Period
6/1/2010
To
6/30/2010

Legend

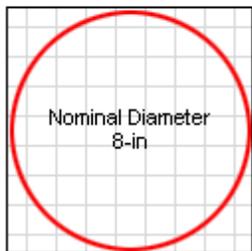
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWS-West

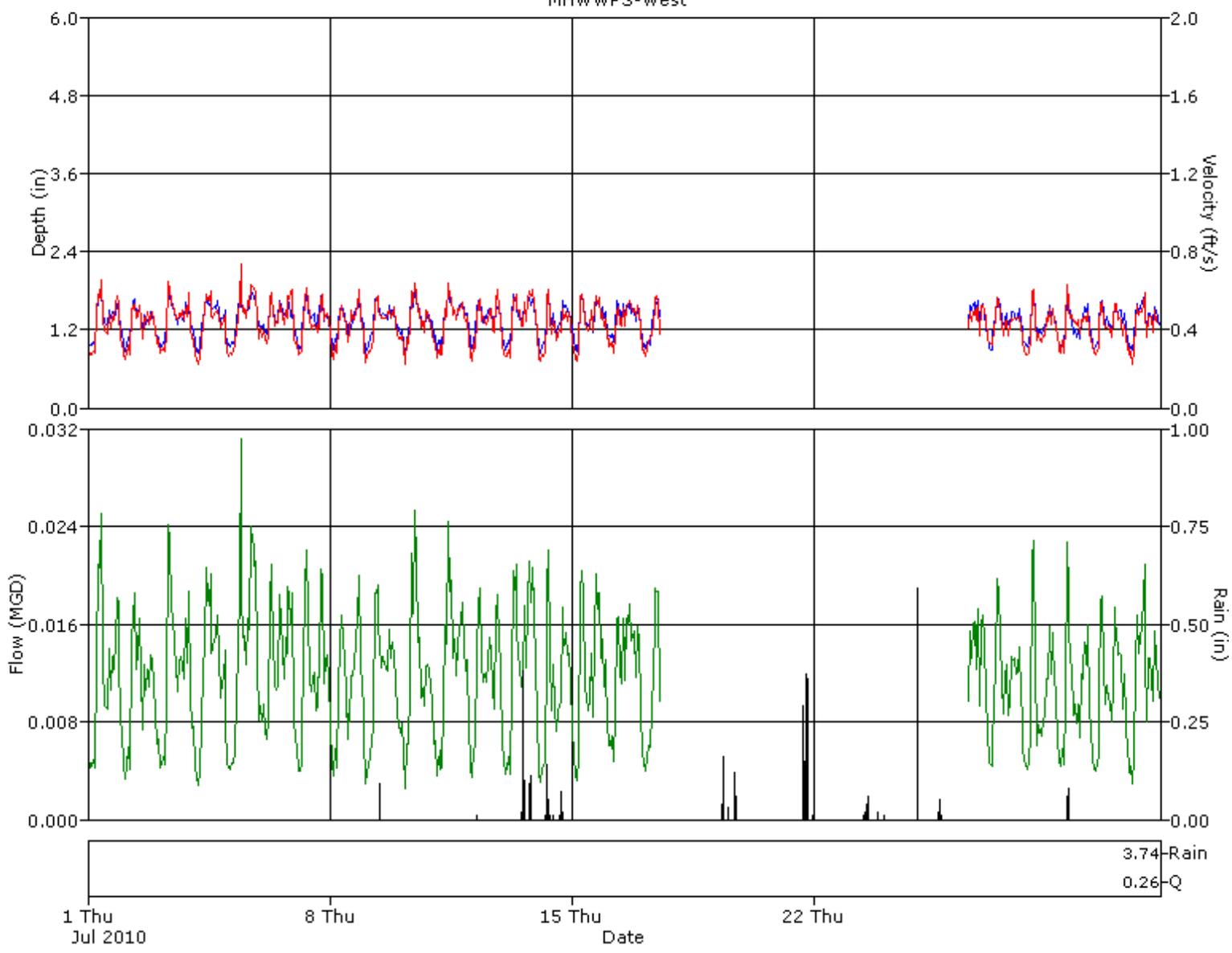
Flow Monitor
MHWWS-West



Report Period
7/1/2010
To
7/31/2010

Legend

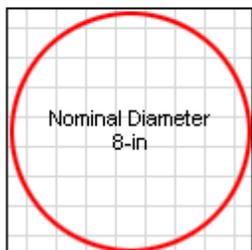
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWPS-West

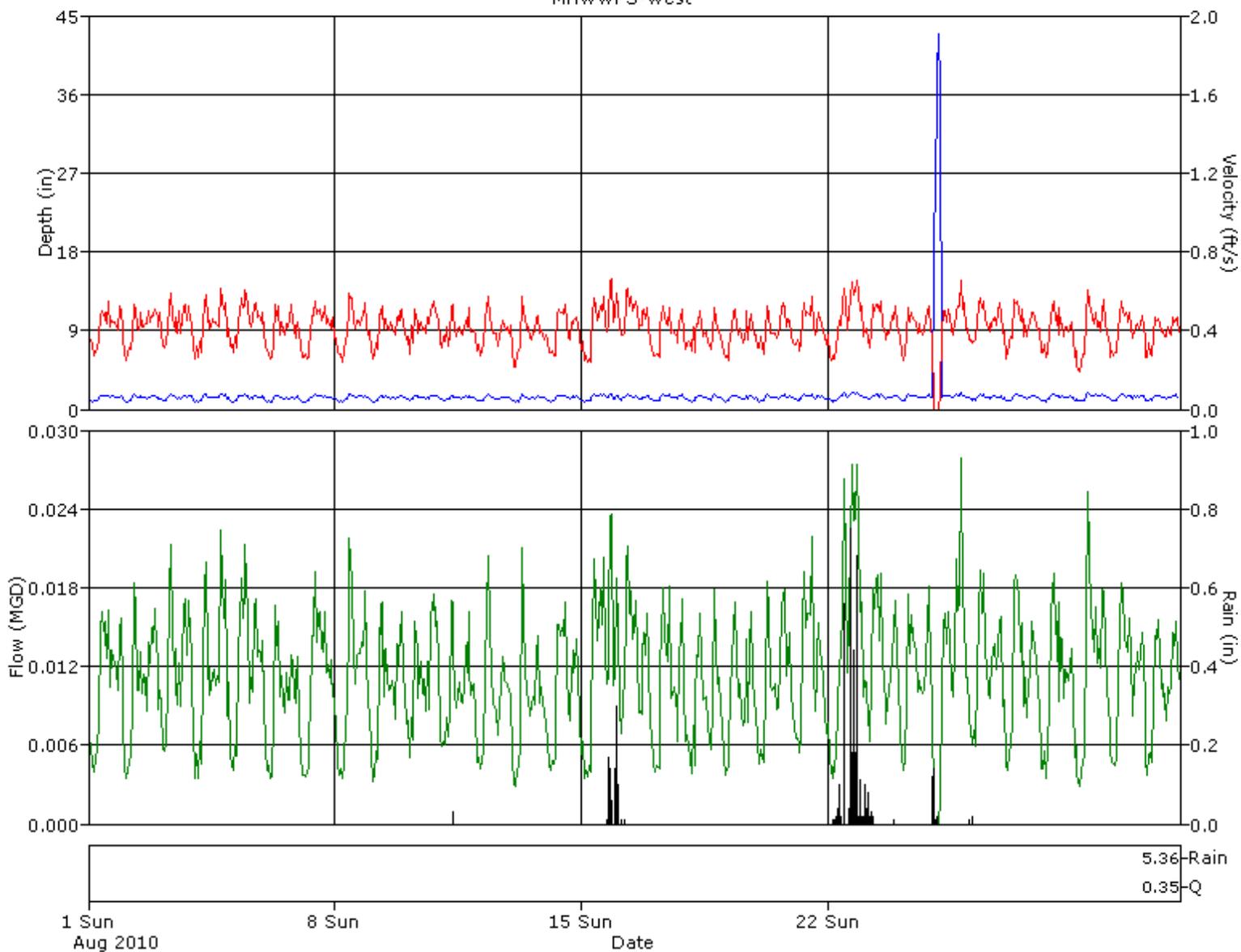
Flow Monitor
MHWWPS-West



Report Period
8/1/2010
To
8/31/2010

Legend

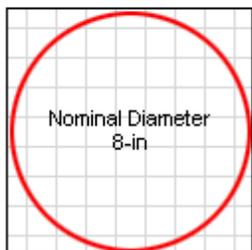
- Depth
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

MHWWS-West

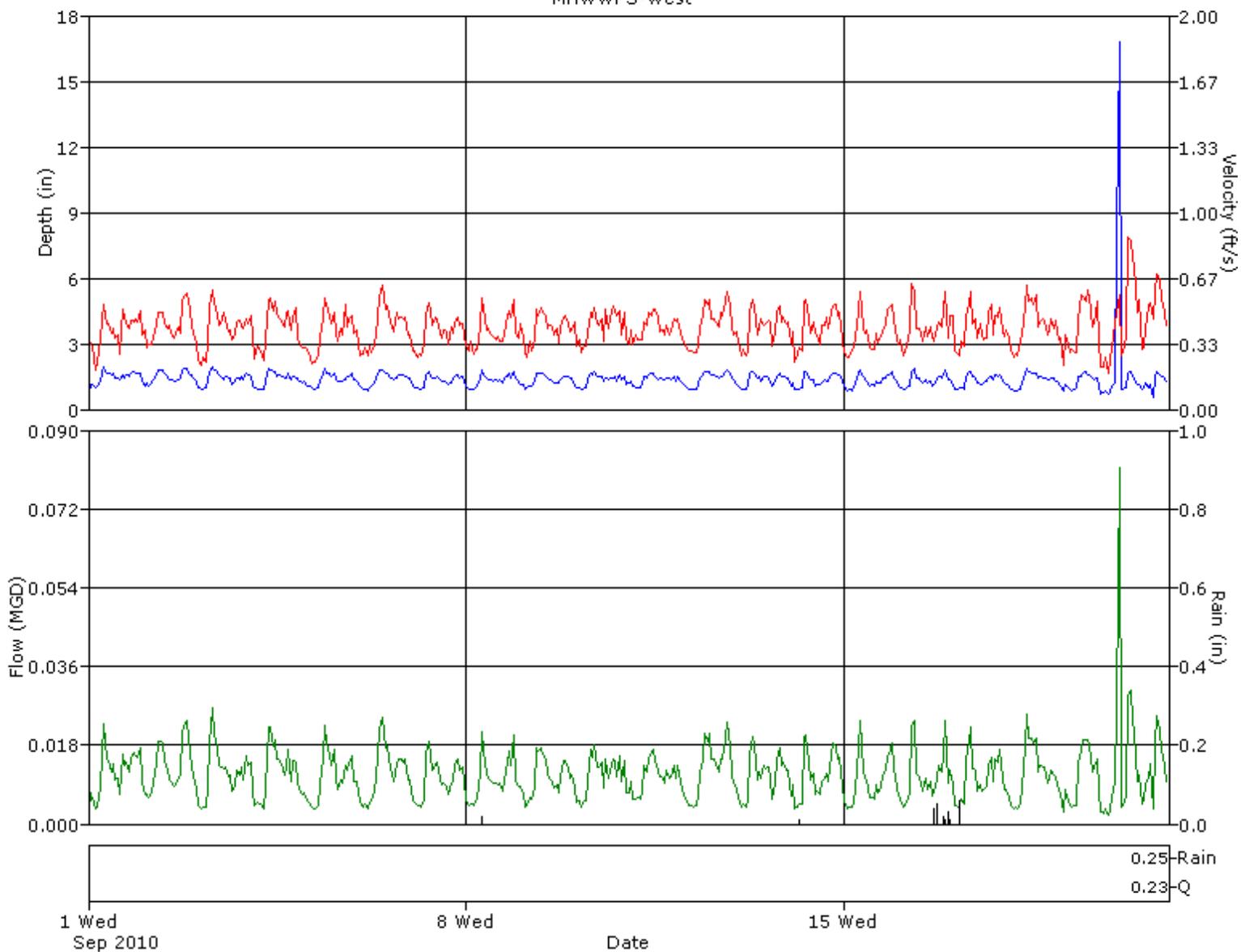
Flow Monitor
MHWWS-West



Report Period
9/1/2010
To
9/20/2010

Legend

- Depth
- Velocity
- Quantity
- Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010	03:30	1.34	22:45	2.34	1.77	03:15	0.27	23:15	0.94	0.58	03:15	0.007	23:15	0.050	0.023	0.023	1.18
3/23/2010	23:45	1.80	07:45	2.49	2.12	23:45	0.67	07:30	1.04	0.78	23:45	0.025	07:30	0.062	0.038	0.038	0.83
3/24/2010	03:45	1.63	07:30	2.45	1.95	02:15	0.47	08:30	0.98	0.68	03:45	0.016	08:30	0.057	0.030	0.030	
3/25/2010	03:00	1.53	07:15	2.45	1.89	03:00	0.40	07:00	0.94	0.66	03:00	0.012	07:15	0.055	0.028	0.028	0.01
3/26/2010	03:15	1.52	07:00	2.28	1.88	02:30	0.44	07:00	0.98	0.67	03:15	0.013	07:00	0.052	0.028	0.028	0.26
3/27/2010	04:45	1.43	11:30	2.29	1.82	04:00	0.34	11:30	0.93	0.63	04:00	0.010	11:30	0.049	0.025	0.025	
3/28/2010	05:30	1.43	10:30	2.23	1.82	05:30	0.34	20:45	0.84	0.58	05:30	0.009	10:30	0.042	0.023	0.023	0.10
3/29/2010	00:45	1.71	07:30	2.44	2.09	02:15	0.50	07:30	0.94	0.74	02:15	0.018	07:30	0.055	0.035	0.035	1.51
3/30/2010	05:15	1.67	11:30	2.62	2.07	02:45	0.47	12:15	1.05	0.78	05:15	0.016	12:15	0.062	0.037	0.037	1.34
3/31/2010	06:15	1.73	07:45	2.32	1.99	05:15	0.61	07:45	0.94	0.77	06:15	0.022	07:45	0.051	0.034	0.034	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.301	5.29
Report Avg	1.94	0.69	0.030	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
4/1/2010	04:45	1.57	08:00	2.21	1.85	02:00	0.54	20:30	0.91	0.70	02:00	0.017	08:00	0.044	0.028	0.028	
4/2/2010	03:45	1.48	10:00	2.14	1.78	03:30	0.50	10:00	0.91	0.68	03:45	0.014	10:00	0.044	0.026	0.026	
4/3/2010	06:15	1.35	11:00	2.27	1.75	06:15	0.47	10:45	0.98	0.67	06:15	0.012	11:00	0.050	0.025	0.025	
4/4/2010	03:15	1.41	08:30	2.22	1.78	03:15	0.44	10:15	0.91	0.64	03:15	0.012	10:15	0.045	0.024	0.024	
4/5/2010	01:45	1.39	09:30	2.14	1.73	04:15	0.44	19:15	0.88	0.64	05:00	0.011	07:30	0.040	0.023	0.023	
4/6/2010	04:45	1.34	07:15	2.17	1.68	05:15	0.40	07:15	0.94	0.64	05:15	0.010	07:15	0.047	0.023	0.023	
4/7/2010	02:45	1.36	08:00	2.18	1.64	01:30	0.44	19:45	0.91	0.61	02:45	0.011	21:30	0.043	0.021	0.021	
4/8/2010	04:45	1.26	07:30	2.17	1.62	05:15	0.40	07:30	0.88	0.63	05:15	0.009	07:30	0.043	0.021	0.021	0.11
4/9/2010	03:45	1.18	06:45	2.04	1.65	00:45	0.47	06:45	0.94	0.62	01:00	0.012	06:45	0.043	0.021	0.021	0.30
4/10/2010	05:30	1.19	21:45	1.94	1.63	04:00	0.34	09:45	0.77	0.57	05:30	0.007	09:45	0.032	0.019	0.019	
4/11/2010	04:45	1.20	09:30	2.20	1.64	02:30	0.34	09:30	0.84	0.56	02:30	0.008	09:30	0.043	0.020	0.020	
4/12/2010	05:15	1.04	07:15	1.97	1.53	05:15	0.36	07:00	0.77	0.54	05:15	0.006	07:00	0.032	0.017	0.017	
4/13/2010	05:00	1.15	07:30	2.15	1.55	04:00	0.30	06:45	0.84	0.53	05:00	0.006	06:45	0.041	0.017	0.017	
4/14/2010	02:30	1.03	07:00	1.98	1.51	02:45	0.27	14:45	0.83	0.52	02:45	0.005	07:00	0.031	0.016	0.016	
4/15/2010	02:45	1.03	07:45	2.19	1.53	02:45	0.30	07:00	0.81	0.51	02:45	0.005	07:45	0.039	0.016	0.016	0.03
4/16/2010	01:30	1.04	08:00	2.05	1.50	01:30	0.30	08:45	0.81	0.49	01:30	0.005	08:00	0.035	0.015	0.015	0.22
4/17/2010	05:30	1.04	12:15	2.04	1.55	06:15	0.30	11:30	0.71	0.50	05:30	0.005	12:15	0.032	0.016	0.016	0.06
4/18/2010	03:45	1.04	11:15	1.96	1.57	03:00	0.30	10:15	0.81	0.53	05:45	0.005	10:15	0.034	0.017	0.017	
4/19/2010	01:00	1.04	07:15	2.01	1.48	02:00	0.24	07:45	0.78	0.50	02:00	0.004	07:15	0.034	0.015	0.015	
4/20/2010	01:15	1.06	06:45	2.04	1.46	04:15	0.29	06:45	0.77	0.48	01:15	0.005	06:45	0.035	0.014	0.014	
4/21/2010	02:30	1.02	06:45	1.93	1.42	02:15	0.27	19:45	0.71	0.47	03:30	0.005	19:45	0.028	0.014	0.014	0.05
4/22/2010	03:15	1.05	07:00	2.02	1.44	00:15	0.30	06:45	0.77	0.49	03:15	0.005	06:45	0.035	0.014	0.014	0.01
4/23/2010	03:15	0.98	07:15	2.02	1.41	03:30	0.27	07:00	0.73	0.46	03:15	0.004	07:00	0.032	0.013	0.013	
4/24/2010	05:15	1.03	10:00	2.03	1.46	00:30	0.30	11:00	0.84	0.49	05:15	0.005	11:00	0.037	0.015	0.015	
4/25/2010	03:45	0.97	19:15	1.91	1.50	03:45	0.28	15:30	0.74	0.50	03:45	0.004	15:30	0.030	0.015	0.015	0.65
4/26/2010	05:00	1.05	06:45	2.02	1.53	03:00	0.30	06:45	0.80	0.53	05:45	0.005	06:45	0.036	0.017	0.017	0.88
4/27/2010	03:45	1.05	06:45	2.07	1.47	02:00	0.30	12:45	0.83	0.57	02:00	0.006	06:45	0.034	0.017	0.017	0.06
4/28/2010	02:45	1.04	06:45	2.11	1.44	04:00	0.35	04:30	0.81	0.64	04:00	0.006	07:15	0.037	0.018	0.018	
4/29/2010	03:30	1.01	07:15	2.17	1.43	03:30	0.34	08:45	0.84	0.63	03:30	0.006	07:15	0.040	0.018	0.018	
4/30/2010	04:15	1.05	11:15	1.89	1.47	02:30	0.40	10:30	0.94	0.68	02:30	0.007	10:30	0.035	0.020	0.020	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.556	2.37
Report Avg	1.57	0.57	0.019	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010	05:30	0.88	15:30	1.86	1.46	05:30	0.27	10:00	0.94	0.64	05:30	0.004	10:00	0.035	0.019	0.019	
5/2/2010	05:00	0.86	20:15	2.07	1.47	03:45	0.45	20:30	0.98	0.70	05:00	0.006	20:30	0.043	0.021	0.021	
5/3/2010	02:00	1.16	06:30	1.95	1.49	02:45	0.40	22:00	0.88	0.67	02:45	0.008	06:45	0.035	0.020	0.020	0.56
5/4/2010	04:00	0.87	08:00	2.02	1.37	13:30	0.40	08:00	0.84	0.63	04:00	0.007	08:00	0.038	0.017	0.017	
5/5/2010	02:30	0.87	06:45	2.03	1.42	03:00	0.33	07:30	0.84	0.48	03:15	0.004	07:30	0.038	0.014	0.014	0.01
5/6/2010	03:30	0.88	07:00	1.95	1.40	03:30	0.27	06:45	0.69	0.47	03:30	0.004	06:45	0.029	0.013	0.013	
5/7/2010	02:45	0.99	07:15	1.99	1.46	03:00	0.25	06:45	0.74	0.50	03:00	0.004	07:15	0.032	0.015	0.015	
5/8/2010	04:00	1.05	10:30	1.99	1.53	01:15	0.27	16:45	0.76	0.52	01:15	0.006	11:00	0.032	0.017	0.017	0.14
5/9/2010	02:45	0.89	11:15	2.07	1.52	06:30	0.27	11:30	0.79	0.55	06:00	0.005	11:15	0.036	0.017	0.017	
5/10/2010	04:15	1.05	06:45	2.00	1.49	04:00	0.34	00:15	0.72	0.51	04:15	0.006	06:45	0.031	0.015	0.015	
5/11/2010	04:30	1.05	06:30	2.15	1.54	02:15	0.34	18:45	0.86	0.53	04:30	0.006	06:30	0.041	0.017	0.017	
5/12/2010	02:30	1.25	20:15	2.15	1.55	01:45	0.30	20:15	0.84	0.51	01:45	0.007	20:15	0.041	0.016	0.016	0.46
5/13/2010	03:00	1.05	06:30	2.27	1.56	03:00	0.35	06:30	0.84	0.53	03:00	0.006	06:30	0.044	0.017	0.017	
5/14/2010	05:00	1.04	06:45	2.15	1.48	03:30	0.27	17:15	0.79	0.50	04:15	0.005	07:45	0.034	0.015	0.015	0.14
5/15/2010	04:15	1.04	11:30	1.99	1.54	06:00	0.34	09:45	0.77	0.53	04:15	0.006	09:45	0.033	0.017	0.017	
5/16/2010	04:45	1.05	20:30	1.92	1.49	04:15	0.30	11:30	0.82	0.51	04:30	0.006	11:30	0.032	0.015	0.015	
5/17/2010	03:30	0.87	07:00	1.97	1.37	03:30	0.27	07:00	0.68	0.46	03:30	0.004	07:00	0.029	0.013	0.013	
5/18/2010	05:45	0.86	18:45	2.00	1.40	05:45	0.24	07:30	0.74	0.47	05:45	0.003	18:45	0.031	0.013	0.013	0.81
5/19/2010	03:00	0.89	06:30	2.12	1.36	04:15	0.27	06:30	0.65	0.45	03:00	0.004	06:30	0.031	0.012	0.012	0.02
5/20/2010	03:15	0.86	07:15	2.13	1.35	04:45	0.24	07:15	0.84	0.46	03:15	0.003	07:15	0.041	0.012	0.012	
5/21/2010	03:00	0.85	07:15	1.92	1.36	01:00	0.24	20:00	0.74	0.44	01:00	0.003	07:15	0.027	0.012	0.012	
5/22/2010	01:15	0.85	10:15	1.98	1.35	04:30	0.22	12:00	0.82	0.45	04:30	0.003	11:15	0.029	0.012	0.012	
5/23/2010	01:45	0.85	10:00	1.89	1.39	03:00	0.24	10:00	0.67	0.47	02:45	0.003	10:00	0.027	0.013	0.013	
5/24/2010	04:45	0.85	06:45	2.00	1.37	04:45	0.26	20:15	0.67	0.46	04:45	0.003	06:45	0.029	0.012	0.012	0.03
5/25/2010	04:45	0.84	07:45	2.04	1.39	05:00	0.24	08:30	0.75	0.46	04:45	0.003	07:45	0.034	0.013	0.013	
5/26/2010	01:45	0.85	06:45	1.82	1.32	02:15	0.24	19:00	0.70	0.45	02:15	0.003	06:45	0.026	0.012	0.012	
5/27/2010	01:45	0.86	06:45	2.15	1.36	10:30	0.24	07:30	0.77	0.46	01:45	0.003	06:45	0.038	0.012	0.012	
5/28/2010	00:45	0.84	06:30	1.79	1.33	00:45	0.25	06:30	0.64	0.43	00:45	0.003	06:30	0.024	0.011	0.011	0.06
5/29/2010	03:45	0.85	09:45	1.84	1.34	03:45	0.20	09:45	0.64	0.43	03:45	0.003	09:45	0.025	0.011	0.011	0.04
5/30/2010	02:30	0.84	11:30	1.84	1.35	01:45	0.24	10:45	0.64	0.44	02:30	0.003	11:30	0.025	0.012	0.012	
5/31/2010	02:00	0.83	11:15	1.87	1.42	06:15	0.24	17:30	0.71	0.47	05:45	0.003	11:15	0.027	0.014	0.014	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.451	2.27
Report Avg	1.43	0.50	0.015	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010	01:15	0.85	06:45	1.95	1.39	02:45	0.24	06:45	0.74	0.47	05:30	0.004	06:45	0.031	0.013	0.011	1.07
6/2/2010	02:30	0.85	06:30	1.91	1.35	01:15	0.27	06:30	0.74	0.44	02:30	0.004	06:30	0.031	0.012	0.012	
6/3/2010	03:15	0.83	06:45	2.00	1.31	05:15	0.27	06:45	0.75	0.44	03:00	0.003	06:45	0.033	0.011	0.011	
6/4/2010	03:45	0.85	07:15	1.99	1.42	02:45	0.27	07:15	0.68	0.47	03:45	0.004	07:15	0.030	0.013	0.013	
6/5/2010	05:00	0.83	09:00	1.84	1.38	02:15	0.27	15:30	0.79	0.47	05:00	0.003	14:45	0.028	0.013	0.013	0.19
6/6/2010	06:30	0.84	10:15	1.97	1.42	00:15	0.27	09:15	0.77	0.51	06:30	0.003	10:15	0.033	0.015	0.015	0.11
6/7/2010	01:00	0.84	07:45	2.01	1.34	04:00	0.27	07:45	0.71	0.44	02:15	0.004	07:45	0.031	0.012	0.012	
6/8/2010	01:30	0.82	06:45	1.97	1.34	01:30	0.27	20:15	0.67	0.45	01:30	0.003	06:45	0.028	0.012	0.012	
6/9/2010	01:30	0.85	07:15	1.97	1.35	03:30	0.24	07:45	0.68	0.44	01:30	0.004	07:15	0.029	0.012	0.012	0.57
6/10/2010	05:00	0.83	07:15	1.83	1.33	01:45	0.27	06:30	0.64	0.43	05:00	0.003	07:15	0.025	0.011	0.011	0.01
6/11/2010	03:15	0.82	17:00	1.91	1.33	03:15	0.26	15:45	0.74	0.43	03:15	0.003	06:45	0.027	0.011	0.011	
6/12/2010	01:45	0.86	10:15	1.89	1.34	05:00	0.29	13:00	0.64	0.44	05:00	0.004	10:15	0.026	0.012	0.012	0.01
6/13/2010	05:45	0.82	10:00	1.93	1.35	05:45	0.27	11:45	0.77	0.47	05:45	0.003	12:00	0.032	0.013	0.013	0.02
6/14/2010	01:30	0.83	21:45	1.95	1.36	03:15	0.27	07:00	0.67	0.45	01:30	0.003	21:45	0.029	0.012	0.012	
6/15/2010	02:30	0.78	07:00	1.95	1.32	01:00	0.20	07:00	0.76	0.43	01:00	0.002	07:00	0.032	0.012	0.012	
6/16/2010	05:45	0.86	19:15	1.95	1.36	05:30	0.20	19:15	0.72	0.46	05:30	0.003	19:15	0.031	0.013	0.013	
6/17/2010	04:45	0.85	07:00	1.99	1.33	02:45	0.27	07:45	0.71	0.43	04:45	0.003	07:15	0.030	0.011	0.011	0.16
6/18/2010	02:30	0.84	08:15	1.95	1.38	02:30	0.27	07:00	0.68	0.46	02:30	0.003	07:00	0.029	0.013	0.013	
6/19/2010	04:00	0.85	11:30	1.91	1.38	05:45	0.27	11:30	0.71	0.45	04:00	0.004	11:30	0.029	0.013	0.013	
6/20/2010	06:00	0.87	11:45	1.99	1.44	06:00	0.29	20:30	0.74	0.48	06:00	0.004	20:30	0.031	0.014	0.014	
6/21/2010	04:15	0.84	07:00	2.06	1.41	00:30	0.27	20:00	0.84	0.49	04:15	0.003	21:00	0.034	0.014	0.014	
6/22/2010	12:00	1.02	21:15	1.95	1.44	15:30	0.30	21:00	0.76	0.49	15:30	0.005	21:00	0.032	0.014	0.014	0.71
6/23/2010	02:00	0.83	07:15	1.95	1.39	05:00	0.27	23:30	0.71	0.46	05:00	0.003	07:15	0.029	0.013	0.013	0.01
6/24/2010	02:45	0.84	07:15	1.85	1.37	05:30	0.24	07:00	0.67	0.45	05:00	0.003	07:15	0.027	0.012	0.012	0.17
6/25/2010	05:00	0.85	09:00	1.80	1.41	05:15	0.27	13:15	0.68	0.47	05:00	0.004	08:45	0.024	0.013	0.013	
6/26/2010	02:45	0.86	09:15	1.90	1.38	00:15	0.27	08:15	0.67	0.45	02:45	0.004	11:00	0.027	0.013	0.013	
6/27/2010	02:30	0.82	13:30	1.79	1.36	02:30	0.27	09:00	0.61	0.46	02:30	0.003	13:30	0.023	0.012	0.012	0.02
6/28/2010	04:15	0.79	07:15	1.79	1.29	04:00	0.19	09:00	0.58	0.41	04:00	0.003	09:00	0.022	0.010	0.010	0.01
6/29/2010	04:00	0.87	19:30	1.90	1.38	01:30	0.33	19:45	0.62	0.45	04:00	0.005	19:30	0.025	0.012	0.012	
6/30/2010	05:45	0.98	08:15	2.06	1.46	05:45	0.33	08:15	0.71	0.49	05:45	0.005	08:15	0.033	0.014	0.014	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.376	3.06
Report Avg	1.37	0.46	0.013	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
7/1/2010	02:15	0.83	09:45	1.95	1.36	02:15	0.22	09:45	0.74	0.43	02:15	0.003	09:45	0.032	0.012	0.012	
7/2/2010	02:45	0.82	07:30	1.83	1.32	02:45	0.22	07:30	0.61	0.42	02:45	0.003	07:30	0.024	0.011	0.011	
7/3/2010	03:30	0.82	09:00	1.96	1.34	02:00	0.22	08:45	0.72	0.44	02:00	0.003	09:00	0.030	0.012	0.012	
7/4/2010	05:30	0.79	10:30	1.81	1.35	05:00	0.20	14:15	0.68	0.42	05:00	0.002	13:30	0.026	0.012	0.012	
7/5/2010	02:30	0.82	10:30	2.08	1.41	02:30	0.22	11:00	0.77	0.47	02:30	0.003	10:30	0.033	0.014	0.014	
7/6/2010	23:45	0.93	06:45	1.94	1.43	05:00	0.27	22:30	0.67	0.47	23:45	0.004	06:45	0.027	0.013	0.013	
7/7/2010	03:45	0.79	18:45	1.91	1.35	02:00	0.25	08:15	0.68	0.43	03:45	0.003	08:15	0.028	0.012	0.012	
7/8/2010	01:45	0.82	10:45	1.81	1.29	01:45	0.22	20:15	0.71	0.41	01:45	0.003	20:15	0.023	0.011	0.011	
7/9/2010	01:30	0.82	09:15	1.79	1.35	01:30	0.22	09:30	0.64	0.43	01:30	0.003	09:30	0.023	0.012	0.012	0.09
7/10/2010	04:00	0.69	11:30	1.96	1.34	04:45	0.22	11:45	0.74	0.43	04:00	0.002	12:00	0.032	0.012	0.012	
7/11/2010	02:45	0.81	10:15	1.95	1.37	02:45	0.21	10:15	0.71	0.44	02:45	0.003	10:15	0.030	0.012	0.012	
7/12/2010	04:00	0.81	07:00	1.79	1.35	03:30	0.20	19:15	0.67	0.43	03:30	0.002	07:00	0.023	0.012	0.012	0.01
7/13/2010	01:45	0.82	18:45	1.83	1.40	01:45	0.22	17:45	0.67	0.46	01:45	0.003	18:45	0.026	0.013	0.013	0.70
7/14/2010	02:15	0.80	08:00	1.96	1.32	02:15	0.21	08:00	0.74	0.41	02:15	0.002	08:00	0.032	0.011	0.011	0.36
7/15/2010	03:00	0.80	07:15	1.86	1.35	02:15	0.20	06:30	0.64	0.43	03:00	0.002	07:15	0.025	0.012	0.012	
7/16/2010	06:00	0.85	07:30	1.82	1.39	06:00	0.24	16:45	0.64	0.44	06:00	0.003	07:30	0.021	0.012	0.012	
7/17/2010	06:00	0.71	11:00	1.82	1.26	02:45	0.21	10:45	0.67	0.40	02:45	0.002	11:00	0.026	0.010	0.006	
7/18/2010																	
7/19/2010																	0.41
7/20/2010																	
7/21/2010																	1.20
7/22/2010																	
7/23/2010																	0.15
7/24/2010																	0.01
7/25/2010																	0.67
7/26/2010	23:15	1.04	12:00	1.71	1.49	11:15	0.34	20:30	0.57	0.47	23:15	0.007	14:15	0.019	0.014	0.008	
7/27/2010	04:00	0.81	08:45	1.79	1.33	03:00	0.27	07:30	0.64	0.43	04:00	0.003	08:45	0.024	0.011	0.011	
7/28/2010	04:45	0.80	08:15	1.94	1.27	04:45	0.21	07:15	0.67	0.40	04:45	0.002	07:15	0.028	0.010	0.010	
7/29/2010	03:30	0.80	07:30	1.78	1.29	03:30	0.23	07:45	0.67	0.43	03:30	0.003	07:45	0.025	0.011	0.011	0.14
7/30/2010	01:45	0.82	18:45	1.79	1.32	03:45	0.25	08:00	0.62	0.41	02:15	0.003	08:00	0.023	0.011	0.011	
7/31/2010	03:00	0.83	13:15	1.80	1.33	05:15	0.20	13:15	0.64	0.42	05:15	0.003	13:15	0.024	0.011	0.011	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.258	3.74
Report Avg	1.35	0.43	0.012	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010	00:45	0.85	09:30	1.69	1.32	05:00	0.24	14:30	0.61	0.42	05:00	0.003	08:30	0.020	0.011	0.011	
8/2/2010	04:00	0.81	21:15	1.79	1.31	02:00	0.24	12:15	0.61	0.42	04:00	0.003	21:15	0.022	0.011	0.011	
8/3/2010	04:45	0.93	08:00	1.84	1.39	04:45	0.27	08:45	0.65	0.44	04:45	0.004	08:00	0.025	0.012	0.012	
8/4/2010	01:30	0.81	18:45	1.92	1.34	01:15	0.24	18:15	0.67	0.43	01:30	0.003	18:45	0.028	0.011	0.011	
8/5/2010	03:00	0.80	11:15	1.86	1.37	02:30	0.27	11:45	0.71	0.46	03:00	0.003	11:15	0.026	0.013	0.013	
8/6/2010	02:45	0.80	07:45	1.65	1.26	04:15	0.24	18:15	0.63	0.41	05:45	0.003	07:45	0.020	0.010	0.010	
8/7/2010	02:30	0.82	13:45	1.78	1.32	03:45	0.20	09:00	0.61	0.42	06:30	0.003	09:00	0.023	0.011	0.011	
8/8/2010	03:00	0.82	11:00	1.88	1.35	02:45	0.20	10:45	0.64	0.42	05:30	0.002	11:00	0.026	0.011	0.011	
8/9/2010	02:00	0.82	18:30	1.77	1.31	02:00	0.22	07:45	0.61	0.42	02:00	0.003	18:30	0.022	0.011	0.011	
8/10/2010	05:15	0.98	19:30	1.79	1.38	03:00	0.27	17:30	0.61	0.44	03:00	0.004	19:30	0.023	0.012	0.012	
8/11/2010	01:30	0.98	08:00	1.79	1.31	03:45	0.27	07:45	0.61	0.41	01:15	0.005	08:00	0.023	0.010	0.010	0.03
8/12/2010	02:30	0.81	09:30	1.79	1.30	02:45	0.21	09:30	0.64	0.40	02:45	0.003	09:30	0.024	0.010	0.010	
8/13/2010	05:00	0.81	08:00	1.78	1.28	03:30	0.17	07:15	0.61	0.39	03:30	0.002	08:45	0.022	0.010	0.010	
8/14/2010	03:45	0.84	08:15	1.72	1.31	05:45	0.24	13:00	0.61	0.40	03:45	0.003	13:00	0.021	0.010	0.010	
8/15/2010	02:00	0.82	21:00	1.89	1.36	04:30	0.20	21:00	0.78	0.43	03:30	0.003	21:00	0.032	0.012	0.012	0.61
8/16/2010	17:15	0.88	09:45	1.85	1.40	05:00	0.27	07:45	0.74	0.48	17:15	0.005	07:45	0.029	0.013	0.013	0.42
8/17/2010	01:45	0.82	12:45	1.84	1.32	01:45	0.22	08:45	0.61	0.39	01:45	0.003	12:45	0.024	0.010	0.010	
8/18/2010	03:15	0.82	19:00	1.81	1.28	05:30	0.26	19:00	0.57	0.38	03:15	0.004	19:00	0.022	0.009	0.009	
8/19/2010	03:30	0.85	19:45	1.95	1.31	04:00	0.17	20:00	0.58	0.38	04:00	0.003	20:00	0.024	0.010	0.010	
8/20/2010	05:30	0.71	17:00	1.81	1.36	04:15	0.22	18:00	0.64	0.41	04:15	0.002	19:15	0.023	0.011	0.011	
8/21/2010	02:00	1.03	07:30	1.96	1.40	04:45	0.27	13:30	0.64	0.41	23:30	0.005	13:30	0.027	0.012	0.012	
8/22/2010	04:00	0.88	11:30	2.29	1.48	02:15	0.20	17:00	0.73	0.46	04:00	0.002	11:30	0.037	0.015	0.015	3.59
8/23/2010	03:30	1.01	10:30	1.91	1.43	04:45	0.27	11:15	0.69	0.43	04:45	0.004	10:30	0.026	0.012	0.012	0.35
8/24/2010	04:15	0.86	21:45	1.79	1.37	04:15	0.20	07:15	0.57	0.40	04:15	0.003	21:45	0.022	0.011	0.011	0.12
8/25/2010	22:15	1.17	05:15	47.22	9.37	00:00	0.00	19:15	0.94	0.36	00:00	0.000	19:15	0.052	0.011	0.011	0.19
8/26/2010	05:30	0.93	08:30	1.88	1.37	01:00	0.27	22:00	0.64	0.44	05:30	0.004	08:30	0.026	0.012	0.012	0.05
8/27/2010	03:45	0.85	10:00	1.89	1.35	01:45	0.25	07:45	0.64	0.42	03:45	0.003	10:00	0.026	0.011	0.011	
8/28/2010	05:45	0.86	10:30	1.91	1.35	02:45	0.26	10:30	0.61	0.40	05:15	0.003	10:30	0.025	0.011	0.011	
8/29/2010	07:00	0.75	09:15	2.09	1.40	04:45	0.17	09:15	0.67	0.39	04:30	0.002	09:15	0.032	0.012	0.012	
8/30/2010	04:30	0.82	07:45	1.95	1.39	05:15	0.22	07:45	0.58	0.41	04:30	0.003	07:45	0.025	0.011	0.011	
8/31/2010	05:00	0.84	21:15	1.81	1.34	04:45	0.22	22:15	0.57	0.39	05:00	0.003	09:15	0.020	0.010	0.010	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.347	5.36
Report Avg	1.61	0.42	0.011	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

MHWWS-West, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010	01:45	0.84	07:30	2.04	1.48	03:30	0.18	23:15	0.58	0.40	03:30	0.003	07:30	0.026	0.012	0.012	
9/2/2010	04:00	1.01	18:45	2.08	1.48	01:15	0.24	20:00	0.67	0.43	01:15	0.004	18:45	0.030	0.013	0.013	
9/3/2010	03:30	0.88	07:45	2.13	1.40	02:45	0.19	07:45	0.68	0.41	02:45	0.003	07:45	0.033	0.012	0.012	
9/4/2010	07:00	0.83	08:00	1.97	1.37	05:15	0.21	08:00	0.64	0.42	05:15	0.003	08:00	0.028	0.012	0.012	
9/5/2010	05:30	0.79	09:45	1.98	1.34	03:45	0.17	09:45	0.62	0.39	03:45	0.002	09:45	0.027	0.011	0.011	
9/6/2010	05:00	0.76	09:45	1.98	1.38	06:15	0.24	11:15	0.71	0.42	05:00	0.003	11:15	0.030	0.012	0.012	
9/7/2010	05:15	0.78	07:00	1.82	1.31	04:15	0.24	07:30	0.64	0.40	05:15	0.003	11:00	0.025	0.010	0.010	
9/8/2010	01:45	0.84	21:00	1.93	1.32	03:30	0.26	07:00	0.64	0.39	00:45	0.003	21:00	0.027	0.010	0.010	0.02
9/9/2010	05:30	0.85	09:30	1.80	1.33	03:15	0.20	11:15	0.61	0.41	05:30	0.003	11:15	0.023	0.011	0.011	
9/10/2010	04:00	0.72	09:00	1.88	1.33	04:00	0.18	20:15	0.64	0.42	04:00	0.002	09:00	0.024	0.011	0.011	
9/11/2010	03:00	0.86	11:30	1.77	1.34	04:30	0.24	21:15	0.71	0.42	04:30	0.003	11:30	0.020	0.011	0.011	
9/12/2010	01:00	0.83	12:15	1.92	1.39	05:30	0.24	12:15	0.64	0.43	05:30	0.003	12:15	0.027	0.012	0.012	
9/13/2010	04:00	0.82	08:00	1.95	1.34	03:30	0.20	11:45	0.77	0.42	04:00	0.002	07:15	0.029	0.011	0.011	
9/14/2010	02:00	0.86	07:00	2.00	1.31	02:00	0.17	07:00	0.74	0.41	02:00	0.002	07:00	0.033	0.011	0.011	0.01
9/15/2010	03:00	0.79	07:15	2.06	1.29	02:30	0.20	07:15	0.88	0.39	02:30	0.003	07:15	0.040	0.010	0.010	
9/16/2010	01:30	0.87	21:00	2.11	1.30	00:00	0.24	06:30	0.89	0.42	02:45	0.004	21:00	0.035	0.011	0.011	0.16
9/17/2010	05:45	0.85	08:15	2.03	1.30	03:15	0.20	08:15	0.71	0.42	03:15	0.003	08:15	0.032	0.011	0.011	0.06
9/18/2010	04:00	0.73	09:00	2.05	1.32	04:00	0.19	09:00	0.74	0.43	04:00	0.002	09:00	0.034	0.011	0.011	
9/19/2010	18:00	0.51	09:45	1.76	1.15	18:15	0.15	12:15	0.76	0.38	18:15	0.001	09:45	0.027	0.009	0.009	
9/20/2010	17:30	0.02	02:00	41.45	2.17	17:15	0.15	06:45	1.04	0.53	17:30	0.000	02:15	0.178	0.017	0.017	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			0.227	0.25
Report Avg	1.38	0.42	0.011	

Rainfall data

The rainfall measured at RG1 from March 22, 2010 to September 20, 2010 is 19.22 inches.

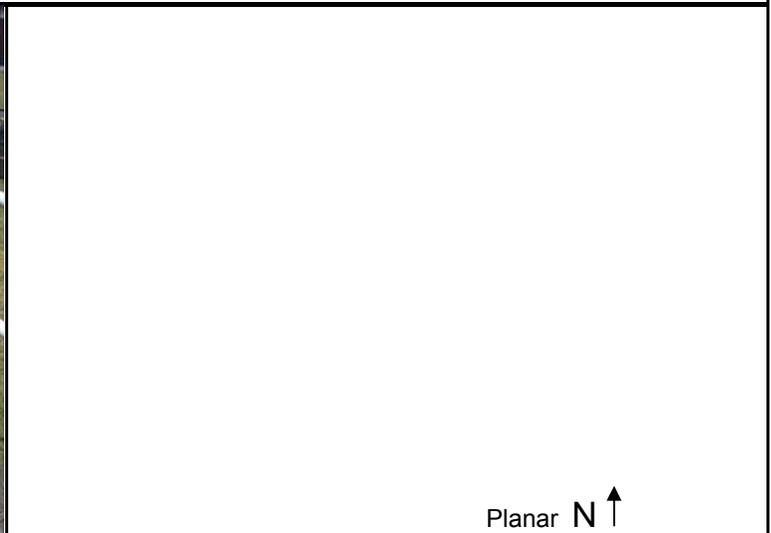
a division of ADS LLC.

Site Name:	YORKTOWN_RG_1	Meter Type:	4000	Monitor S/N:	1472	Manhole #:	N/A
Address / Location:	GREENWOOD STREET (NEAR WWTP)			Map Page #:			
Access:	DRIVE	Type of System:		Pipe Height:	N/A	Inches	
				Pipe Width:			
				Phone Number:	166.213.36.36		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:			Manhole Depth:	N/A	Feet
Site Hydraulics:	N/A		Manhole Material / Condition:	N/A	
			Active Drop Connections?		
Upstream Input: (L/S, P/S)	N/A		Pipe Material / Condition:	N/A	
Upstream Manhole:	N/A		Mini System Character:		
Downstream Manhole:	N/A		Telephone Information:		
Depth of Flow (Wet Dof):	N/A	+/-	Access Pole #:	N/A	
Range (Air Dof):	N/A	+/-	Distance From Manhole:	N/A Feet	
Peak Velocity:	N/A	fps	Road Cut Length:	N/A Feet	
Silt:	N/A	Inches	Trench Length:	N/A Feet	

Other Information:
N 41° 17' 3.6" W 73° 46' 20.6"



Planar N ↑

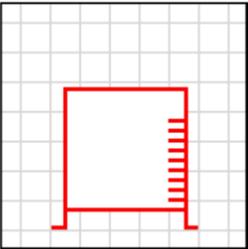
Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Rain Gauge	Trunk		X		
Sensors / Devices:	Rain Gauge Tipping Bucket	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG1	Other		X		

Additional Site Information / Comments:

HYDROGRAPH REPORT

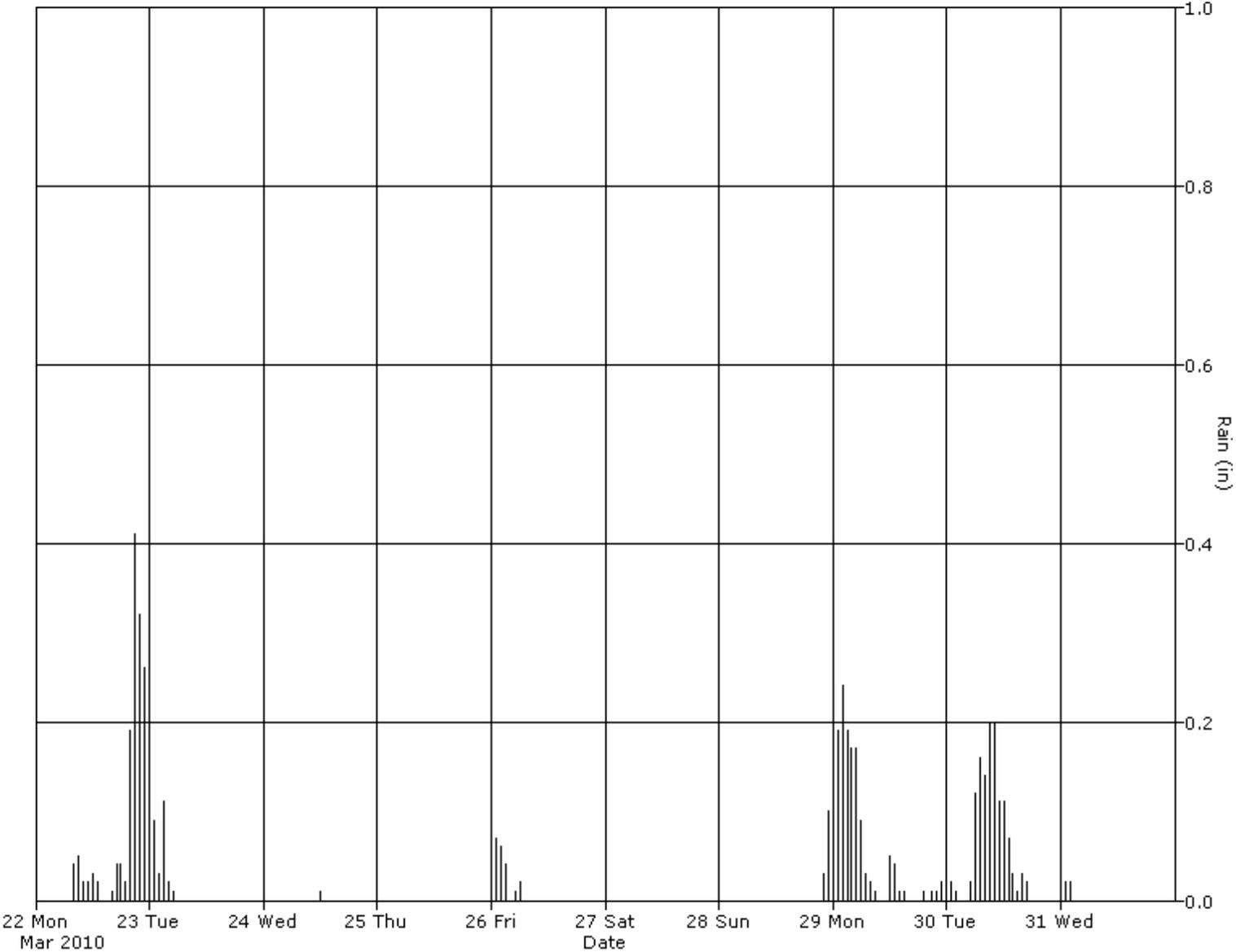
RG1

Flow Monitor
RG1



Report Period
3/22/2010
To
3/31/2010

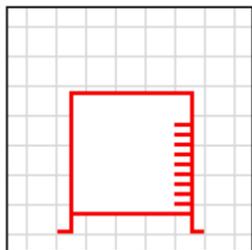
Legend
— Rain



HYDROGRAPH REPORT

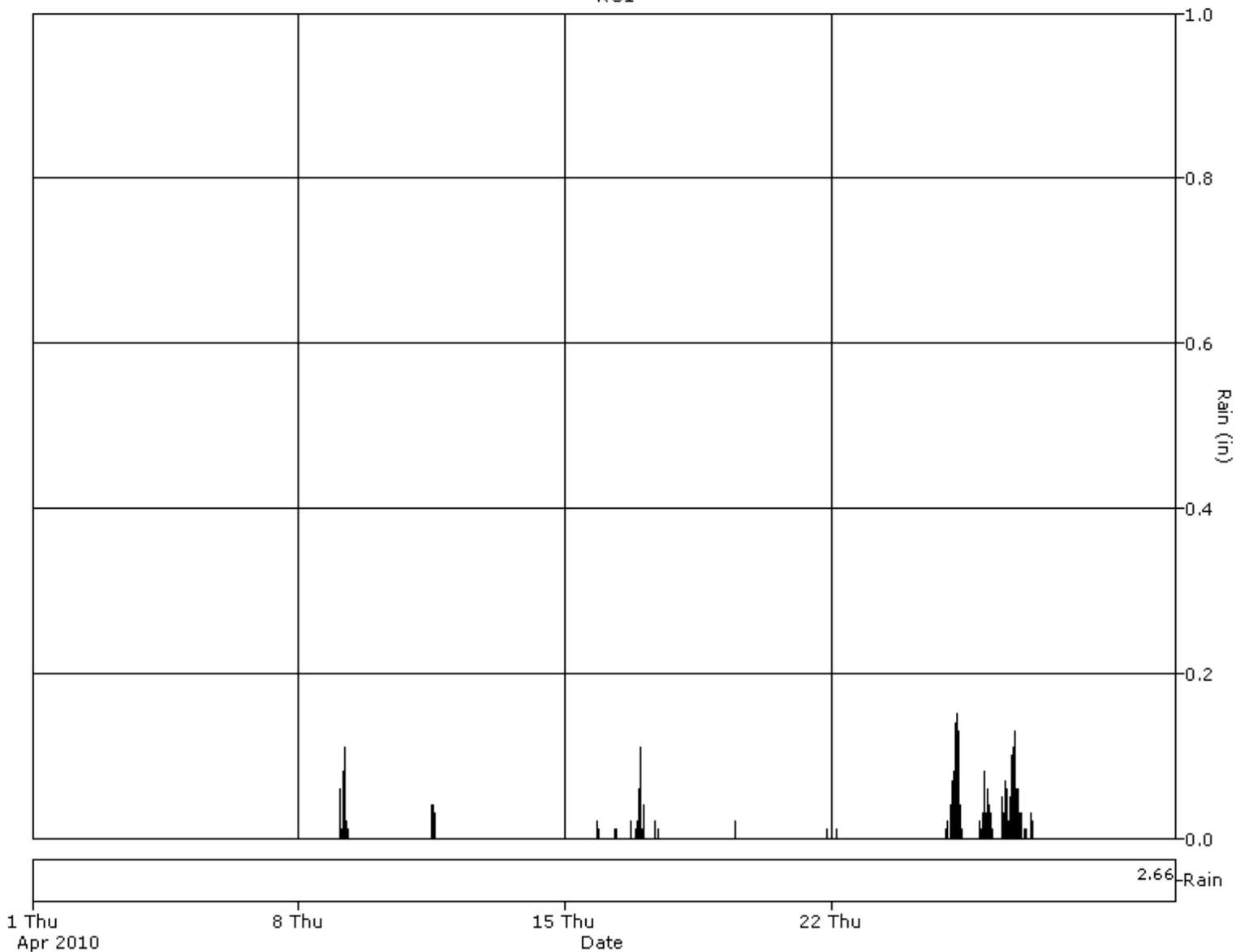
RG1

Flow Monitor
RG1



Report Period
4/1/2010
To
4/30/2010

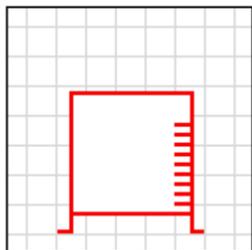
Legend
— Rain



HYDROGRAPH REPORT

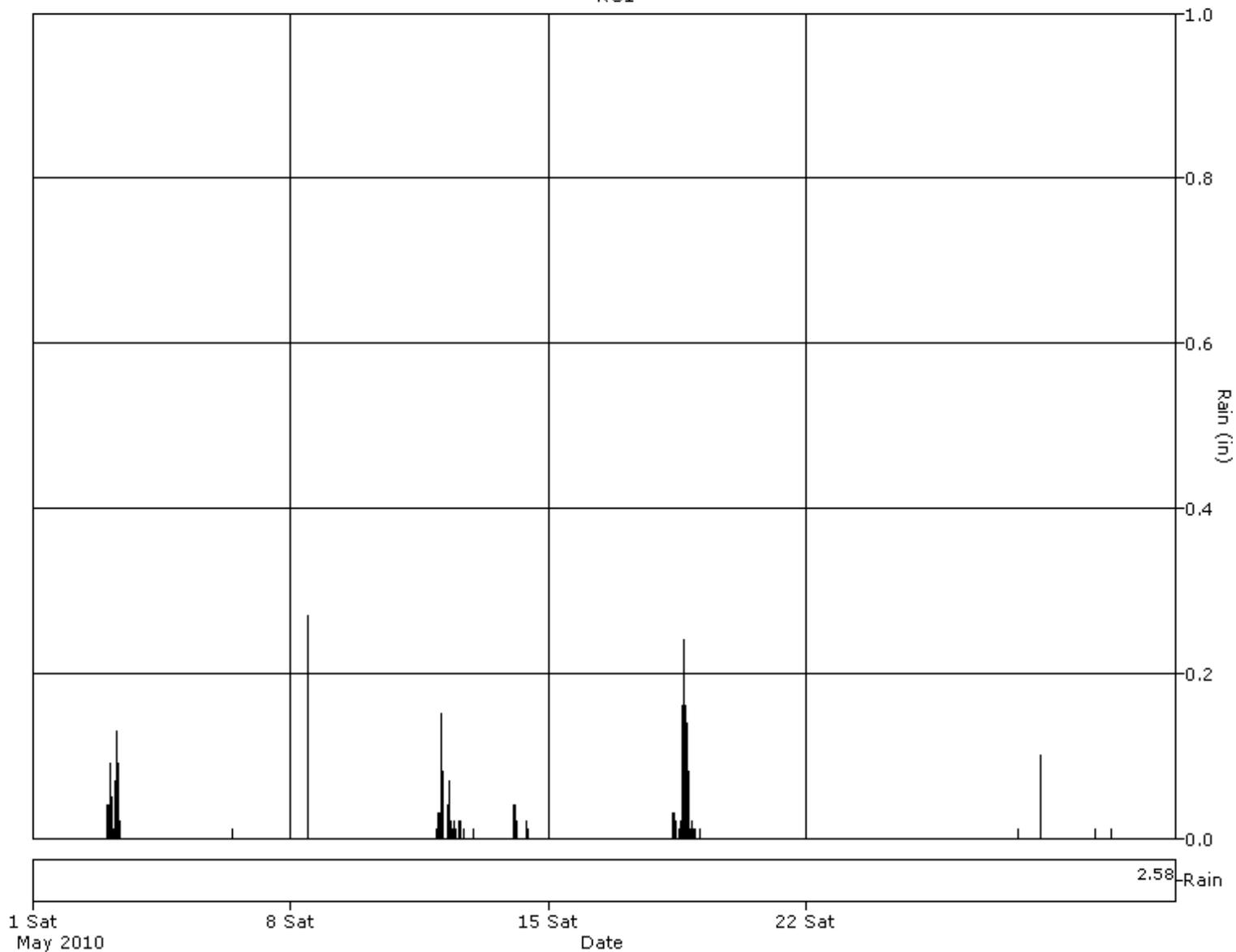
RG1

Flow Monitor
RG1



Report Period
5/1/2010
To
5/31/2010

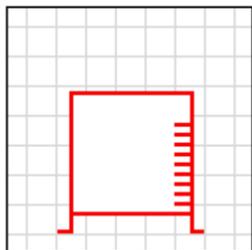
Legend
— Rain



HYDROGRAPH REPORT

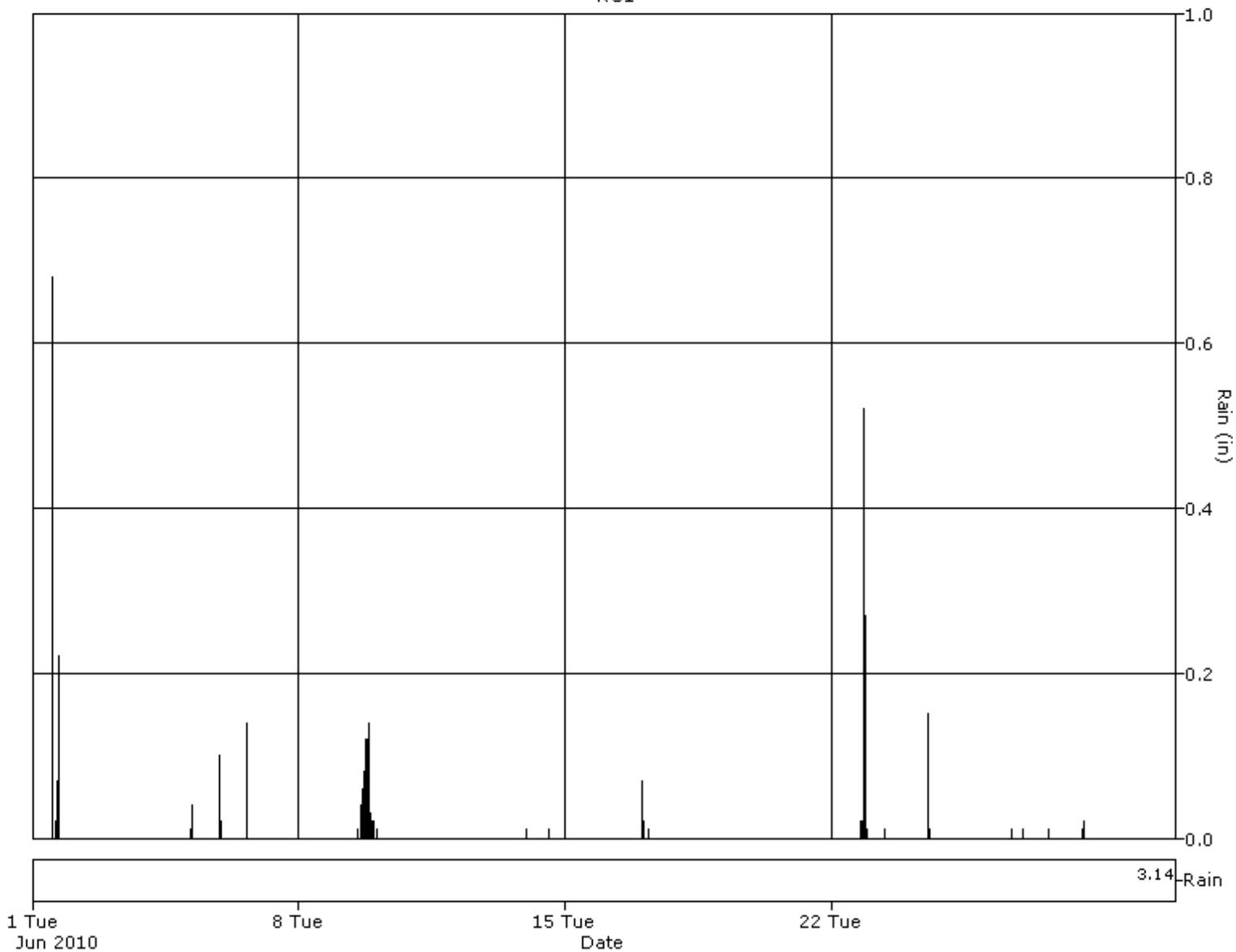
RG1

Flow Monitor
RG1



Report Period
6/1/2010
To
6/30/2010

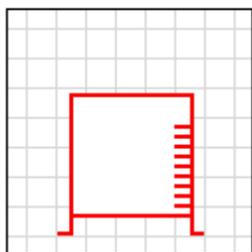
Legend
— Rain



HYDROGRAPH REPORT

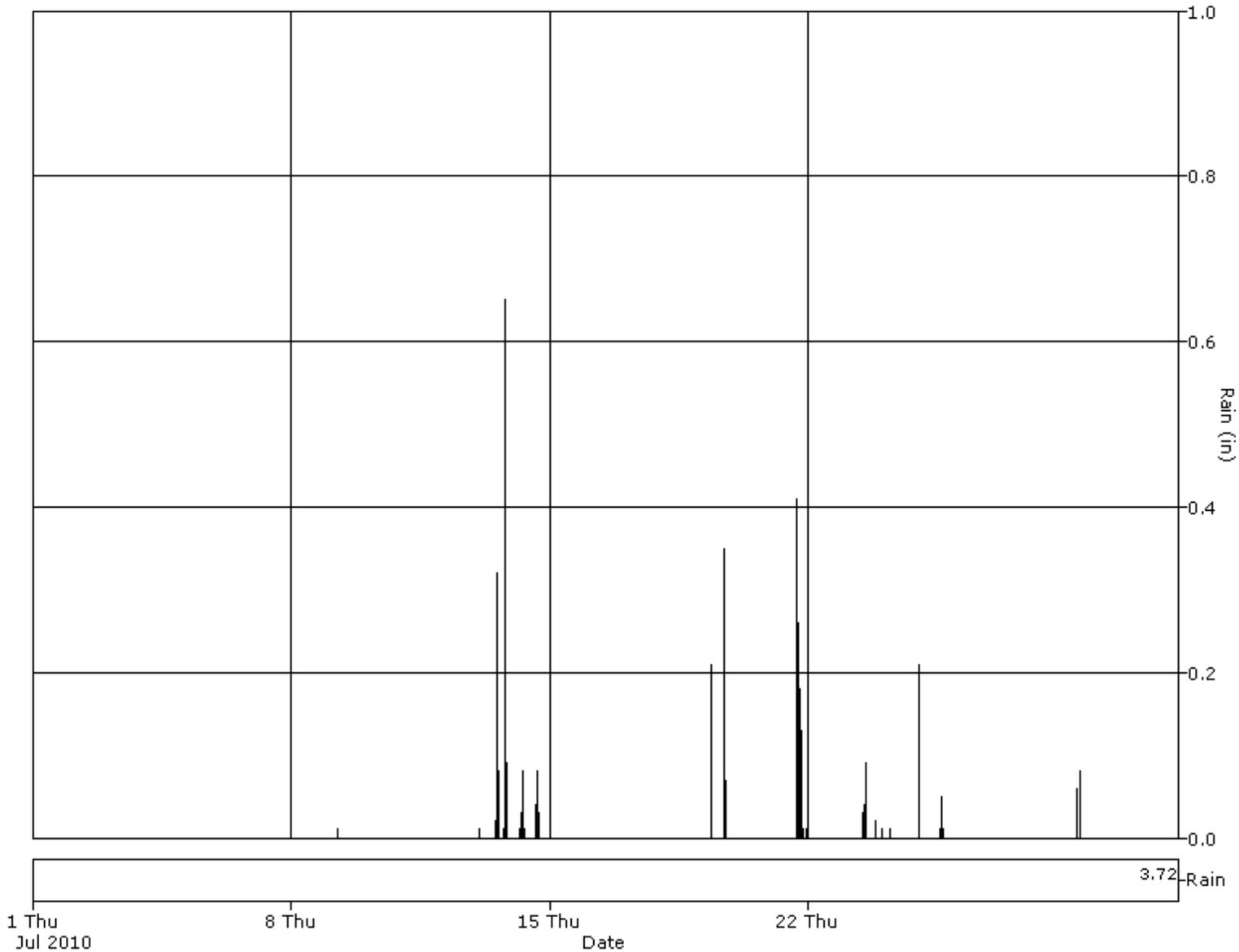
RG1

Flow Monitor
RG1



Report Period
7/1/2010
To
7/31/2010

Legend
— Rain



1 Thu
Jul 2010

8 Thu

15 Thu

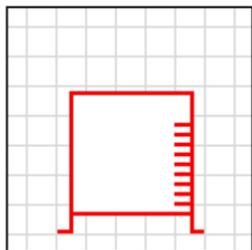
22 Thu

Date

HYDROGRAPH REPORT

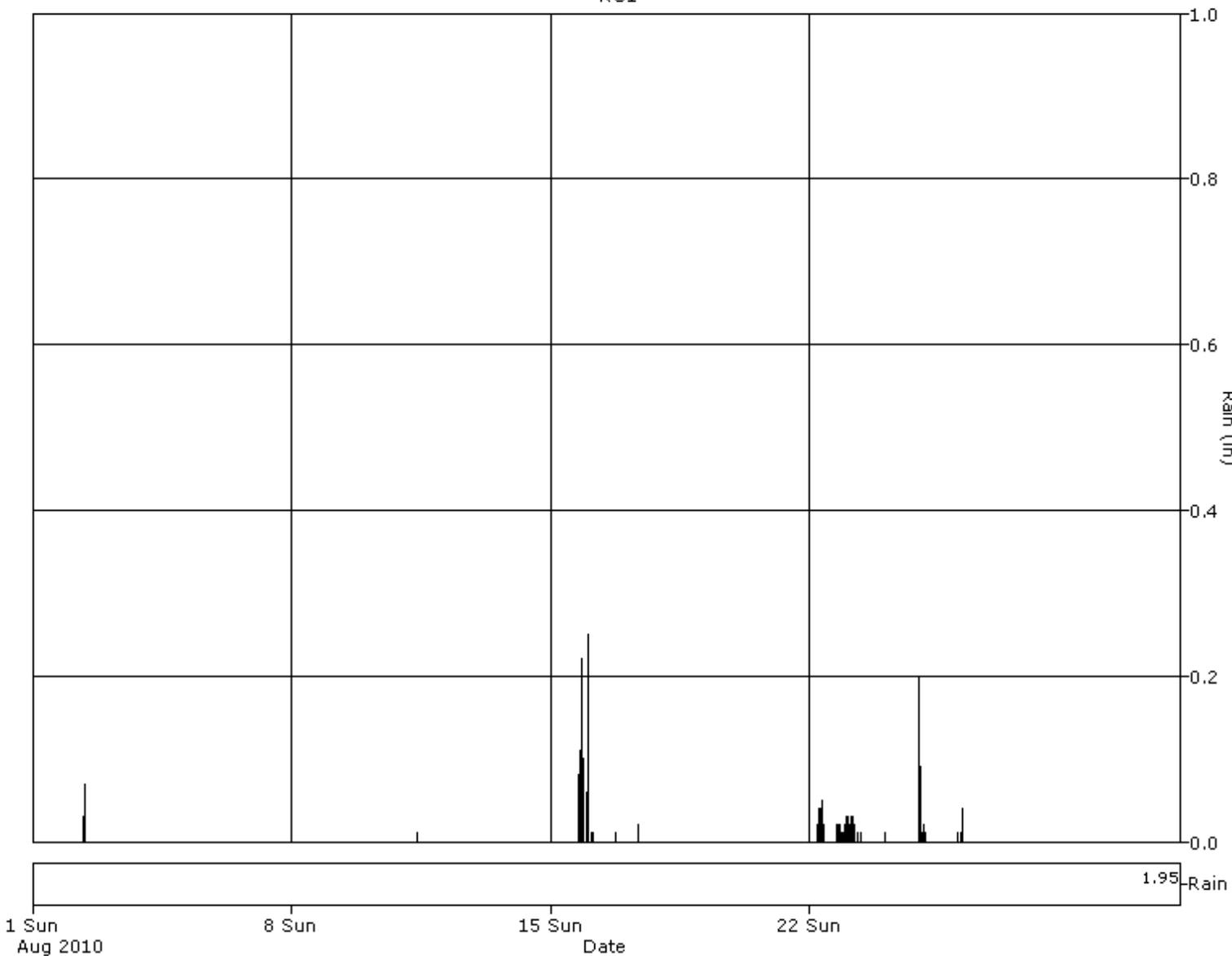
RG1

Flow Monitor
RG1



Report Period
8/1/2010
To
8/31/2010

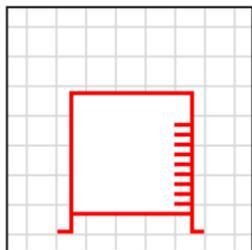
Legend
— Rain



HYDROGRAPH REPORT

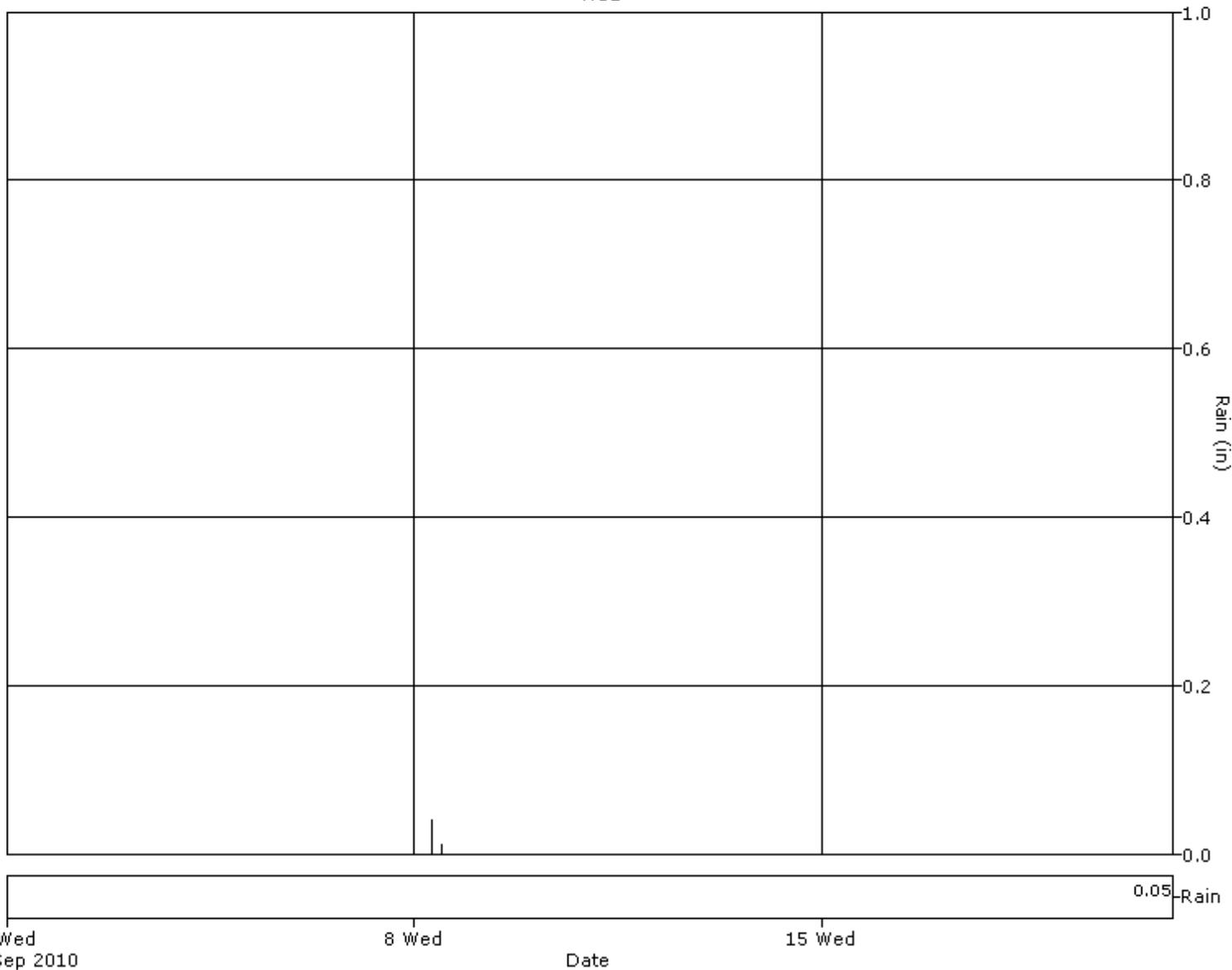
RG1

Flow Monitor
RG1



Report Period
9/1/2010
To
9/20/2010

Legend
— Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010																	1.47
3/23/2010																	0.50
3/24/2010																	0.01
3/25/2010																	
3/26/2010																	0.23
3/27/2010																	
3/28/2010																	0.13
3/29/2010																	1.45
3/30/2010																	1.29
3/31/2010																	0.04

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	5.12
Report Avg	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010																	
4/2/2010																	
4/3/2010																	
4/4/2010																	
4/5/2010																	
4/6/2010																	
4/7/2010																	
4/8/2010																	
4/9/2010																	0.29
4/10/2010																	
4/11/2010																	0.11
4/12/2010																	
4/13/2010																	
4/14/2010																	
4/15/2010																	0.03
4/16/2010																	0.24
4/17/2010																	0.08
4/18/2010																	
4/19/2010																	0.02
4/20/2010																	
4/21/2010																	0.01
4/22/2010																	0.01
4/23/2010																	
4/24/2010																	
4/25/2010																	0.75
4/26/2010																	1.05
4/27/2010																	0.07
4/28/2010																	
4/29/2010																	
4/30/2010																	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	2.66
Report Avg	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010																	
5/2/2010																	
5/3/2010																	0.54
5/4/2010																	
5/5/2010																	
5/6/2010																	0.01
5/7/2010																	
5/8/2010																	0.27
5/9/2010																	
5/10/2010																	
5/11/2010																	0.01
5/12/2010																	0.54
5/13/2010																	
5/14/2010																	0.13
5/15/2010																	
5/16/2010																	
5/17/2010																	
5/18/2010																	0.93
5/19/2010																	0.02
5/20/2010																	
5/21/2010																	
5/22/2010																	
5/23/2010																	
5/24/2010																	
5/25/2010																	
5/26/2010																	
5/27/2010																	0.01
5/28/2010																	0.10
5/29/2010																	0.01
5/30/2010																	0.01
5/31/2010																	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	2.58
Report Avg	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010																	0.99
6/2/2010																	
6/3/2010																	
6/4/2010																	
6/5/2010																	0.17
6/6/2010																	0.14
6/7/2010																	
6/8/2010																	
6/9/2010																	0.64
6/10/2010																	0.01
6/11/2010																	
6/12/2010																	
6/13/2010																	0.01
6/14/2010																	0.01
6/15/2010																	
6/16/2010																	
6/17/2010																	0.10
6/18/2010																	
6/19/2010																	
6/20/2010																	
6/21/2010																	
6/22/2010																	0.84
6/23/2010																	0.01
6/24/2010																	0.16
6/25/2010																	
6/26/2010																	0.01
6/27/2010																	0.02
6/28/2010																	0.03
6/29/2010																	
6/30/2010																	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	3.14
Report Avg	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010																	
7/2/2010																	
7/3/2010																	
7/4/2010																	
7/5/2010																	
7/6/2010																	
7/7/2010																	
7/8/2010																	
7/9/2010																	0.01
7/10/2010																	
7/11/2010																	
7/12/2010																	
7/13/2010																	1.18
7/14/2010																	0.28
7/15/2010																	
7/16/2010																	
7/17/2010																	
7/18/2010																	
7/19/2010																	0.63
7/20/2010																	
7/21/2010																	1.00
7/22/2010																	
7/23/2010																	0.18
7/24/2010																	0.02
7/25/2010																	0.28
7/26/2010																	
7/27/2010																	
7/28/2010																	
7/29/2010																	0.14
7/30/2010																	
7/31/2010																	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	3.72
Report Avg	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010																	
8/2/2010																	0.10
8/3/2010																	
8/4/2010																	
8/5/2010																	
8/6/2010																	
8/7/2010																	
8/8/2010																	
8/9/2010																	
8/10/2010																	
8/11/2010																	0.01
8/12/2010																	
8/13/2010																	
8/14/2010																	
8/15/2010																	0.57
8/16/2010																	0.40
8/17/2010																	0.02
8/18/2010																	
8/19/2010																	
8/20/2010																	
8/21/2010																	
8/22/2010																	0.27
8/23/2010																	0.18
8/24/2010																	0.21
8/25/2010																	0.13
8/26/2010																	0.06
8/27/2010																	
8/28/2010																	
8/29/2010																	
8/30/2010																	
8/31/2010																	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	1.95
Report Avg	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

RG1, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010																	
9/2/2010																	
9/3/2010																	
9/4/2010																	
9/5/2010																	
9/6/2010																	
9/7/2010																	
9/8/2010																	0.05
9/9/2010																	
9/10/2010																	
9/11/2010																	
9/12/2010																	
9/13/2010																	
9/14/2010																	
9/15/2010																	
9/16/2010																	
9/17/2010																	
9/18/2010																	
9/19/2010																	
9/20/2010																	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

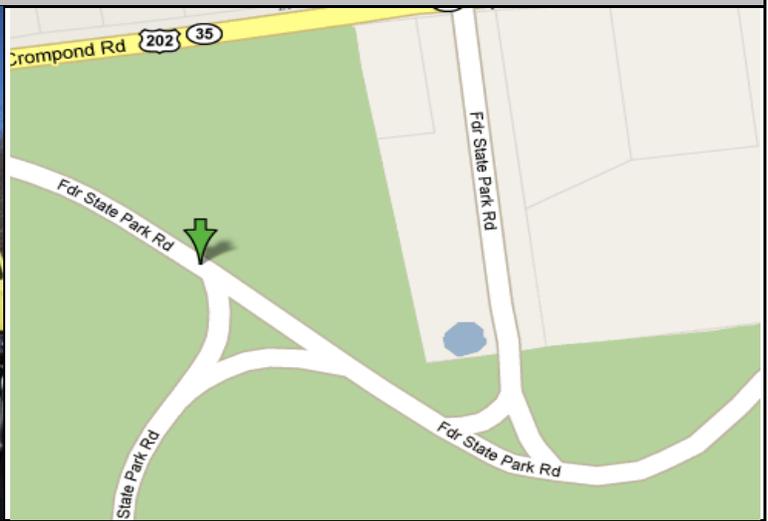
	Rain
Report Total	0.05
Report Avg	

Rainfall data

The rainfall measured at RG2 from March 22, 2010 to September 20, 2010 is 22.34 inches.

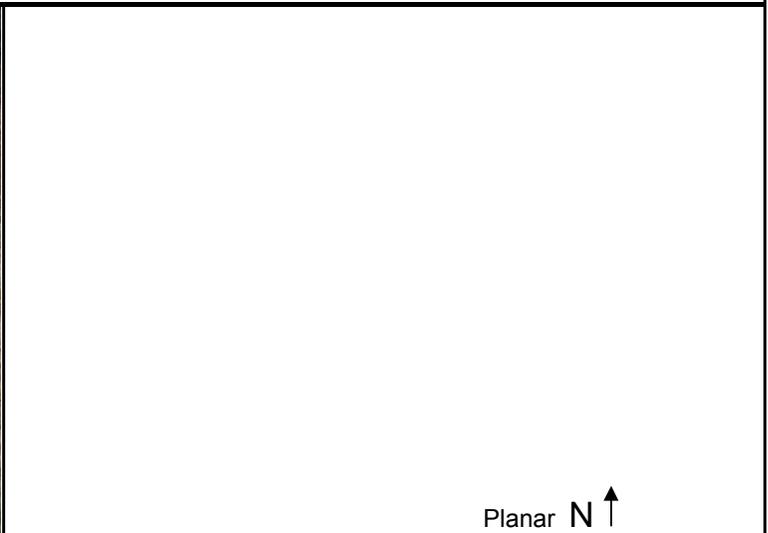
a division of ADS LLC.

Site Name:	YORKTOWN_RG_2	Meter Type:	4000 WR	Monitor S/N:	1521	Manhole #:	
Address / Location:	MOHANSIC PUMP STATION			Map Page #:			
Access:	DRIVE	Type of System:		Pipe Height:	N/A	Inches	
				Pipe Width:			
				Phone Number:	166.213.6.96		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:			Manhole Depth:	N/A	Feet
Site Hydraulics:	N/A		Manhole Material / Condition:	N/A	
			Active Drop Connections?		
Upstream Input: (L/S, P/S)	N/A		Pipe Material / Condition:	N/A	
Upstream Manhole:	N/A		Mini System Character:		
Downstream Manhole:	N/A		Telephone Information:		
Depth of Flow (Wet Dof):	N/A	+/-	Access Pole #:	N/A	
Range (Air Dof):	N/A	+/-	Distance From Manhole:	N/A Feet	
Peak Velocity:	N/A	fps	Road Cut Length:	N/A Feet	
Silt:	N/A	Inches	Trench Length:	N/A Feet	

Other Information:
N 41° 17' 31.7" W 73° 48' 51.3"



Planar N ↑

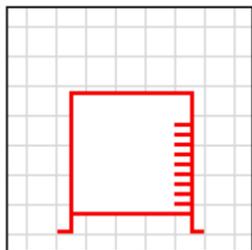
Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Rain Gauge	Trunk		X		
Sensors / Devices:	Rain Gauge Tipping Bucket	Lift/Pump Station		X		
Surcharge Height:		WWTP		X		
Rain Gauge Zone:	RG2	Other		X		

Additional Site Information / Comments:

HYDROGRAPH REPORT

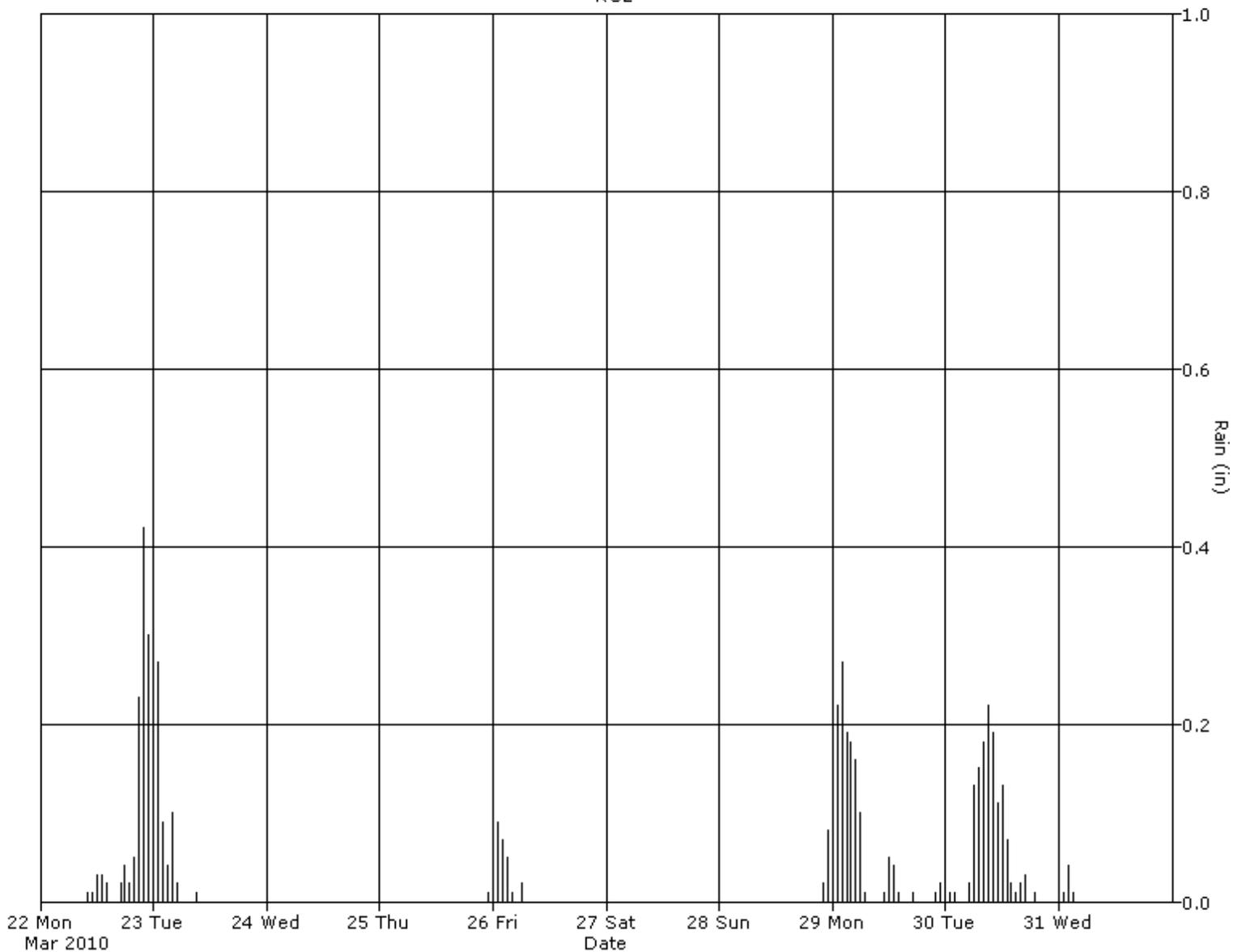
RG2

Flow Monitor
RG2



Report Period
3/22/2010
To
3/31/2010

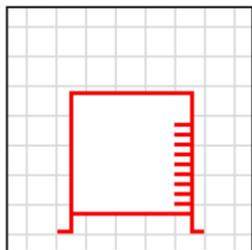
Legend
— Rain



HYDROGRAPH REPORT

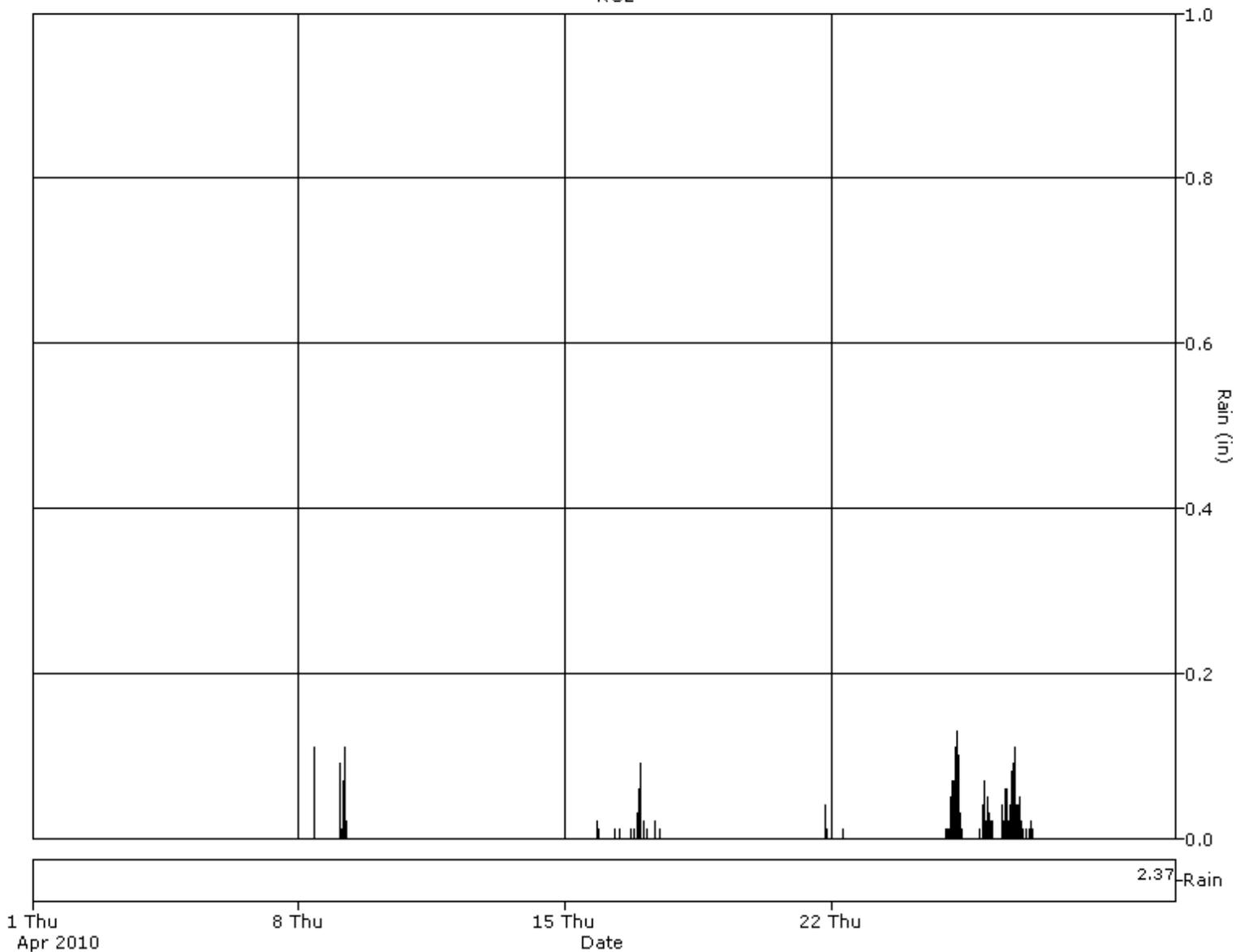
RG2

Flow Monitor
RG2



Report Period
4/1/2010
To
4/30/2010

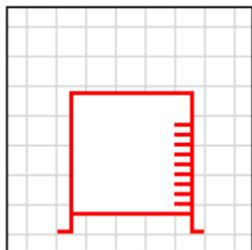
Legend
— Rain



HYDROGRAPH REPORT

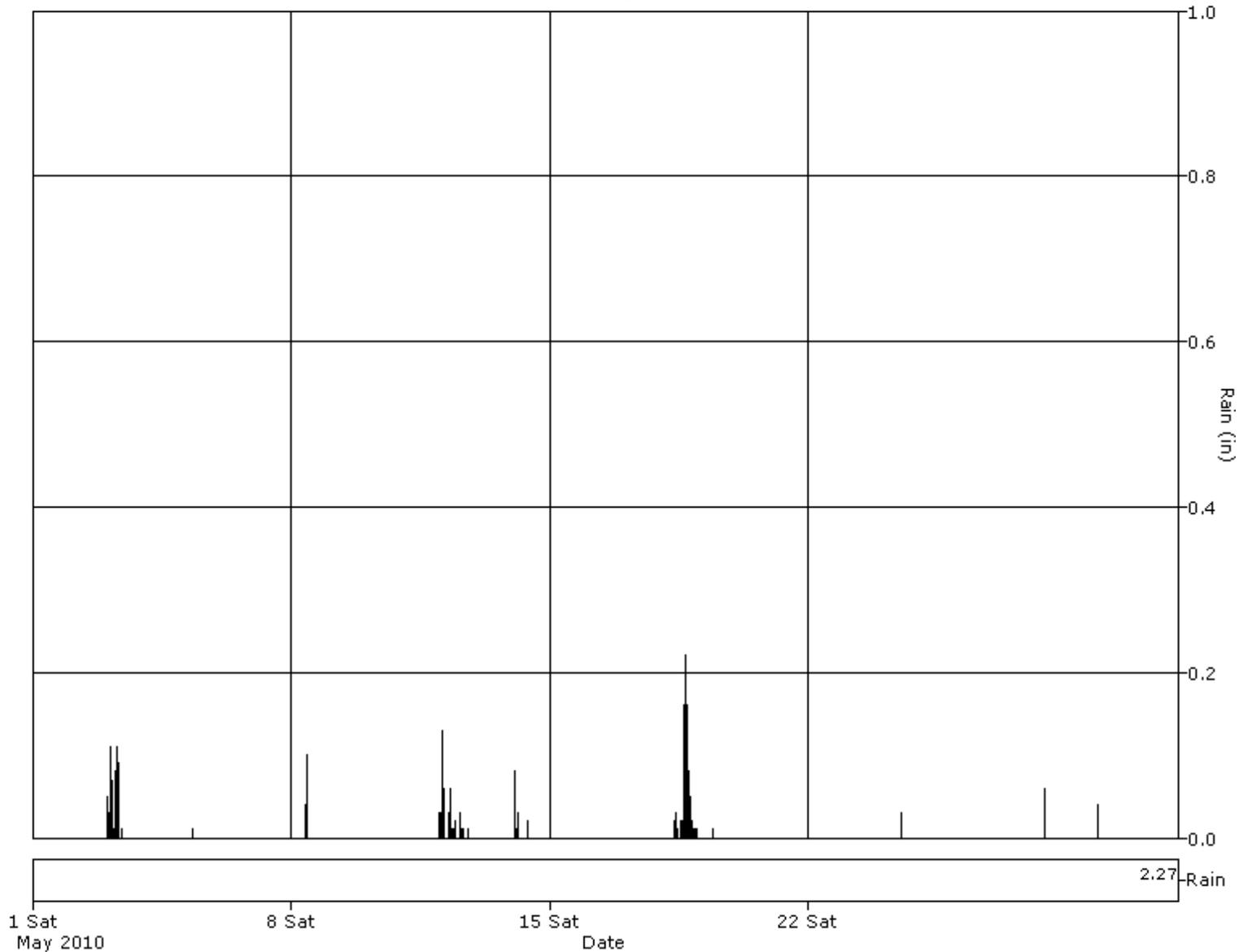
RG2

Flow Monitor
RG2



Report Period
5/1/2010
To
5/31/2010

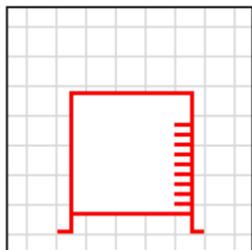
Legend
— Rain



HYDROGRAPH REPORT

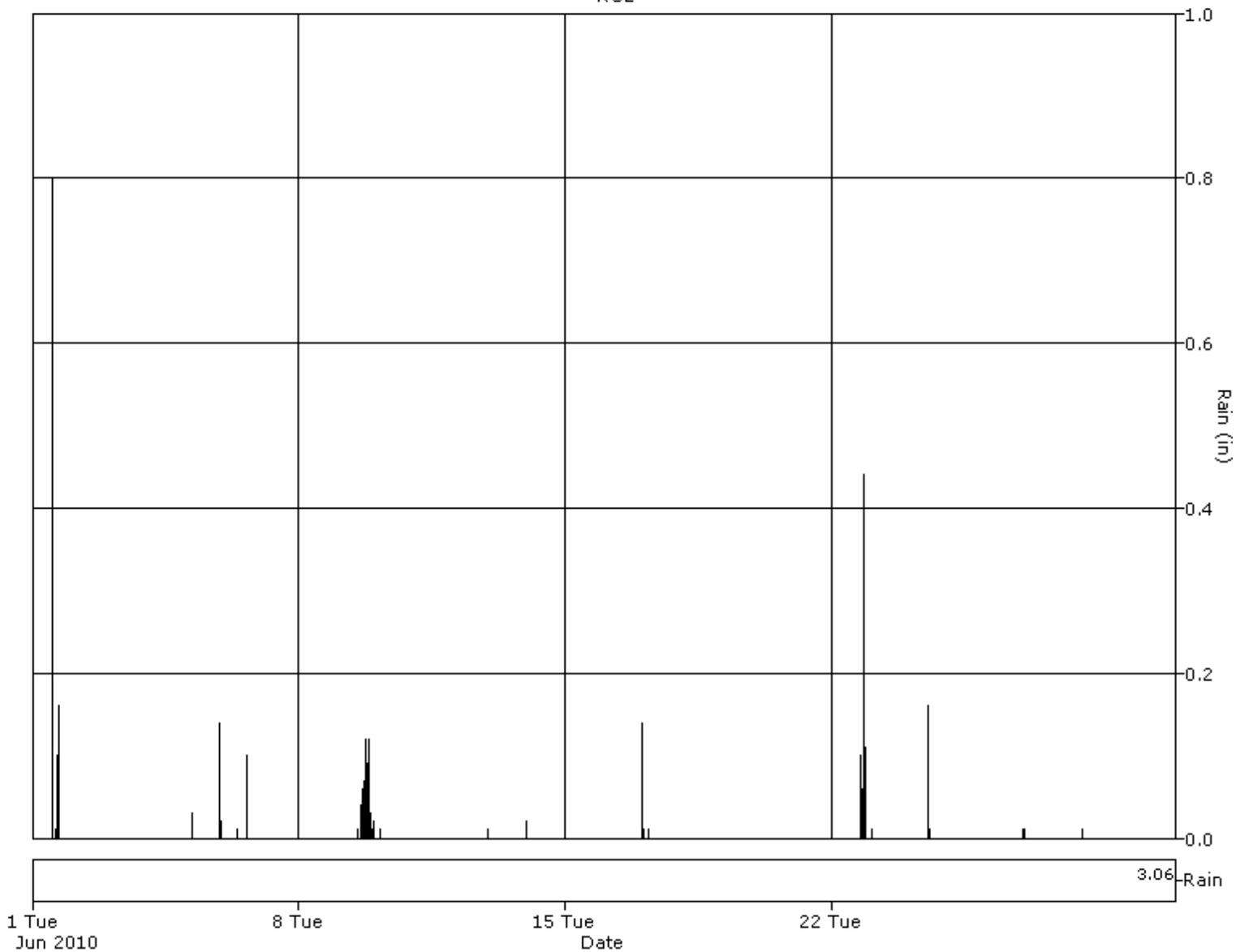
RG2

Flow Monitor
RG2



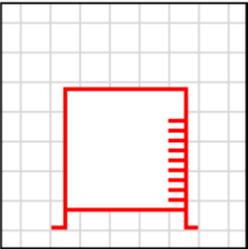
Report Period
6/1/2010
To
6/30/2010

Legend
— Rain



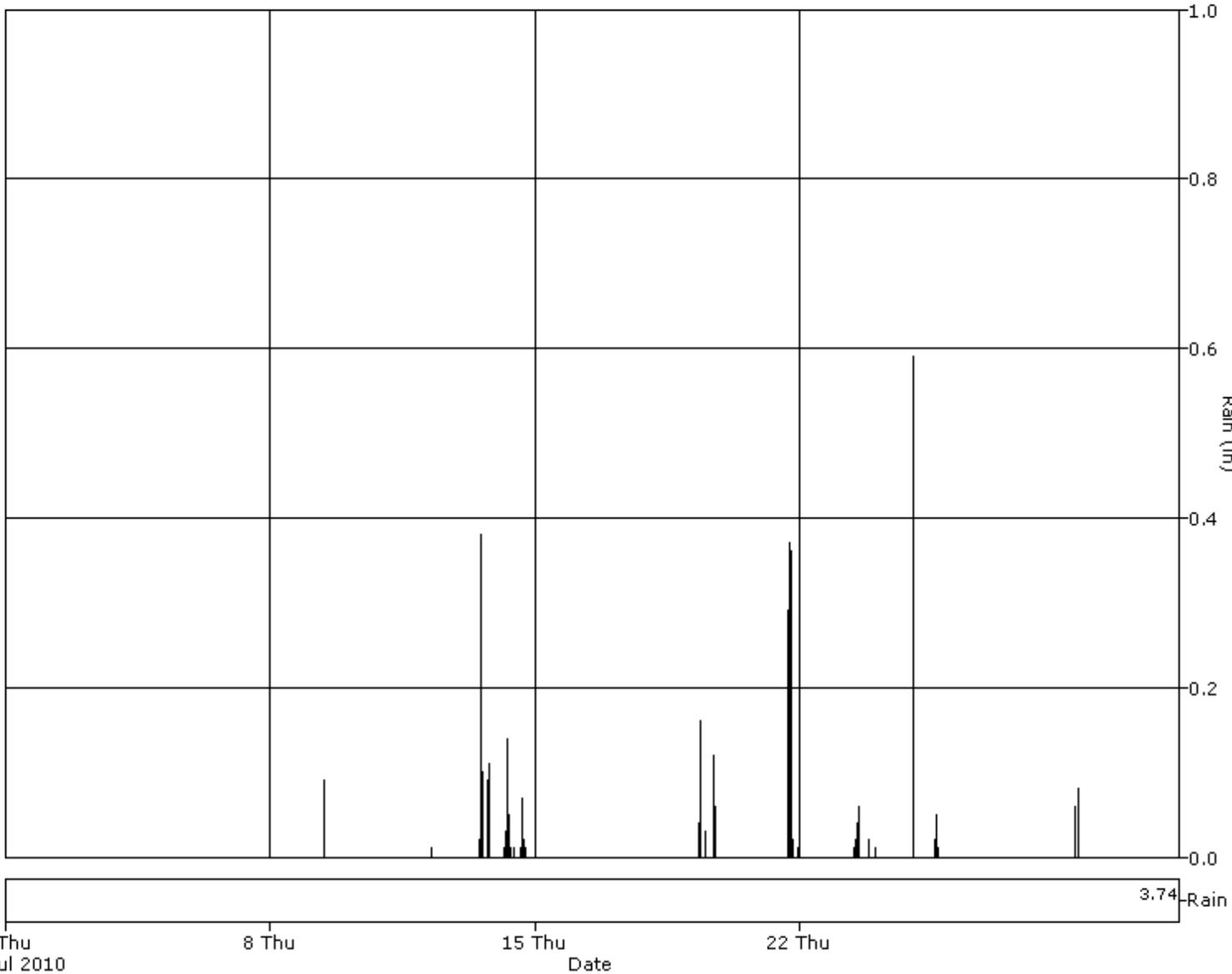
HYDROGRAPH REPORT
RG2

Flow Monitor
RG2



Report Period
7/1/2010
To
7/31/2010

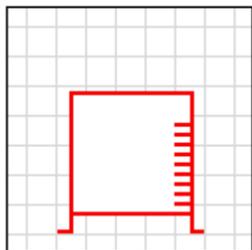
Legend
— Rain



HYDROGRAPH REPORT

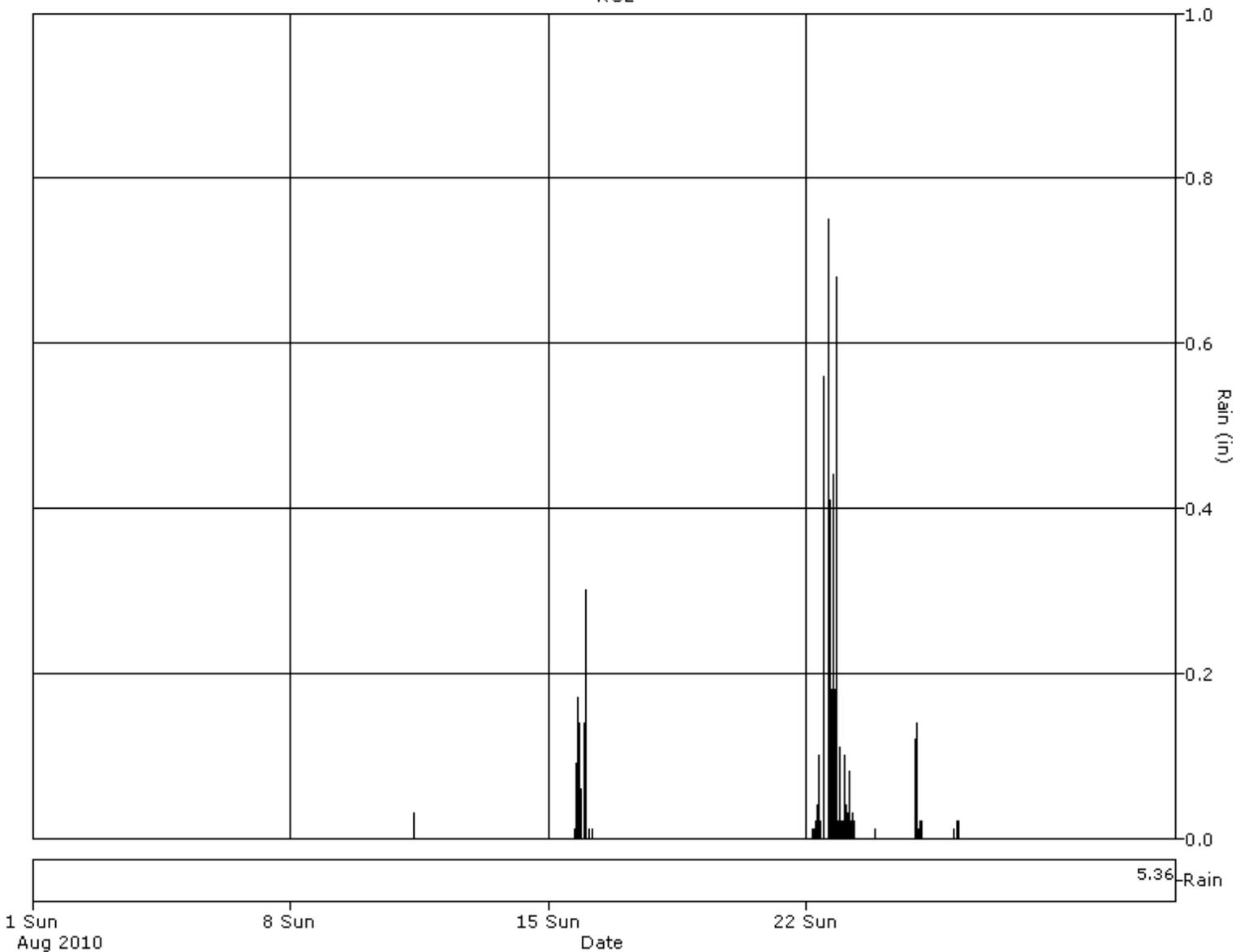
RG2

Flow Monitor
RG2



Report Period
8/1/2010
To
8/31/2010

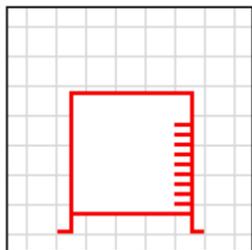
Legend
— Rain



HYDROGRAPH REPORT

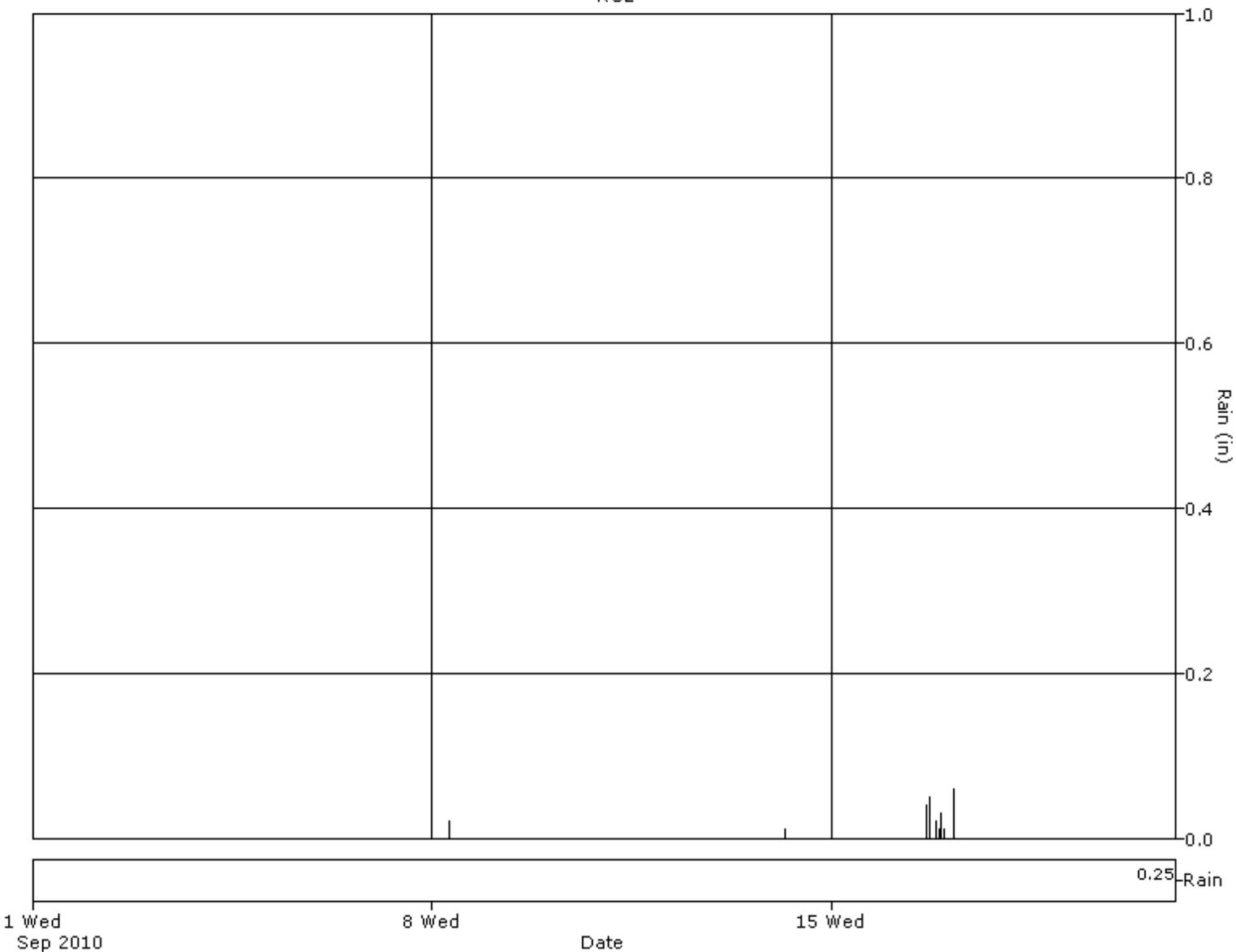
RG2

Flow Monitor
RG2



Report Period
9/1/2010
To
9/20/2010

Legend
— Rain



Daily Tabular Report For The Period 3/22/2010 - 3/31/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
3/22/2010																	1.18
3/23/2010																	0.83
3/24/2010																	
3/25/2010																	0.01
3/26/2010																	0.26
3/27/2010																	
3/28/2010																	0.10
3/29/2010																	1.51
3/30/2010																	1.34
3/31/2010																	0.06

Report Summary For The Period 3/22/2010 - 3/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	5.29
Report Avg	

Daily Tabular Report For The Period 4/1/2010 - 4/30/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
4/1/2010																	
4/2/2010																	
4/3/2010																	
4/4/2010																	
4/5/2010																	
4/6/2010																	
4/7/2010																	
4/8/2010																	0.11
4/9/2010																	0.30
4/10/2010																	
4/11/2010																	
4/12/2010																	
4/13/2010																	
4/14/2010																	
4/15/2010																	0.03
4/16/2010																	0.22
4/17/2010																	0.06
4/18/2010																	
4/19/2010																	
4/20/2010																	
4/21/2010																	0.05
4/22/2010																	0.01
4/23/2010																	
4/24/2010																	
4/25/2010																	0.65
4/26/2010																	0.88
4/27/2010																	0.06
4/28/2010																	
4/29/2010																	
4/30/2010																	

Report Summary For The Period 4/1/2010 - 4/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	2.37
Report Avg	

Daily Tabular Report For The Period 5/1/2010 - 5/31/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
5/1/2010																	
5/2/2010																	
5/3/2010																	0.56
5/4/2010																	
5/5/2010																	0.01
5/6/2010																	
5/7/2010																	
5/8/2010																	0.14
5/9/2010																	
5/10/2010																	
5/11/2010																	
5/12/2010																	0.46
5/13/2010																	
5/14/2010																	0.14
5/15/2010																	
5/16/2010																	
5/17/2010																	
5/18/2010																	0.81
5/19/2010																	0.02
5/20/2010																	
5/21/2010																	
5/22/2010																	
5/23/2010																	
5/24/2010																	0.03
5/25/2010																	
5/26/2010																	
5/27/2010																	
5/28/2010																	0.06
5/29/2010																	0.04
5/30/2010																	
5/31/2010																	

Report Summary For The Period 5/1/2010 - 5/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	2.27
Report Avg	

Daily Tabular Report For The Period 6/1/2010 - 6/30/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
6/1/2010																	1.07
6/2/2010																	
6/3/2010																	
6/4/2010																	
6/5/2010																	0.19
6/6/2010																	0.11
6/7/2010																	
6/8/2010																	
6/9/2010																	0.57
6/10/2010																	0.01
6/11/2010																	
6/12/2010																	0.01
6/13/2010																	0.02
6/14/2010																	
6/15/2010																	
6/16/2010																	
6/17/2010																	0.16
6/18/2010																	
6/19/2010																	
6/20/2010																	
6/21/2010																	
6/22/2010																	0.71
6/23/2010																	0.01
6/24/2010																	0.17
6/25/2010																	
6/26/2010																	
6/27/2010																	0.02
6/28/2010																	0.01
6/29/2010																	
6/30/2010																	

Report Summary For The Period 6/1/2010 - 6/30/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	3.06
Report Avg	

Daily Tabular Report For The Period 7/1/2010 - 7/31/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
7/1/2010																	
7/2/2010																	
7/3/2010																	
7/4/2010																	
7/5/2010																	
7/6/2010																	
7/7/2010																	
7/8/2010																	
7/9/2010																	0.09
7/10/2010																	
7/11/2010																	
7/12/2010																	0.01
7/13/2010																	0.70
7/14/2010																	0.36
7/15/2010																	
7/16/2010																	
7/17/2010																	
7/18/2010																	
7/19/2010																	0.41
7/20/2010																	
7/21/2010																	1.20
7/22/2010																	
7/23/2010																	0.15
7/24/2010																	0.01
7/25/2010																	0.67
7/26/2010																	
7/27/2010																	
7/28/2010																	
7/29/2010																	0.14
7/30/2010																	
7/31/2010																	

Report Summary For The Period 7/1/2010 - 7/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	3.74
Report Avg	

Daily Tabular Report For The Period 8/1/2010 - 8/31/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
8/1/2010																	
8/2/2010																	
8/3/2010																	
8/4/2010																	
8/5/2010																	
8/6/2010																	
8/7/2010																	
8/8/2010																	
8/9/2010																	
8/10/2010																	
8/11/2010																	0.03
8/12/2010																	
8/13/2010																	
8/14/2010																	
8/15/2010																	0.61
8/16/2010																	0.42
8/17/2010																	
8/18/2010																	
8/19/2010																	
8/20/2010																	
8/21/2010																	
8/22/2010																	3.59
8/23/2010																	0.35
8/24/2010																	0.12
8/25/2010																	0.19
8/26/2010																	0.05
8/27/2010																	
8/28/2010																	
8/29/2010																	
8/30/2010																	
8/31/2010																	

Report Summary For The Period 8/1/2010 - 8/31/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	5.36
Report Avg	

Daily Tabular Report For The Period 9/1/2010 - 9/20/2010

RG2, Pipe Height: 0"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/1/2010																	
9/2/2010																	
9/3/2010																	
9/4/2010																	
9/5/2010																	
9/6/2010																	
9/7/2010																	
9/8/2010																	0.02
9/9/2010																	
9/10/2010																	
9/11/2010																	
9/12/2010																	
9/13/2010																	
9/14/2010																	0.01
9/15/2010																	
9/16/2010																	0.16
9/17/2010																	0.06
9/18/2010																	
9/19/2010																	
9/20/2010																	

Report Summary For The Period 9/1/2010 - 9/20/2010

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	Rain
Report Total	0.25
Report Avg	