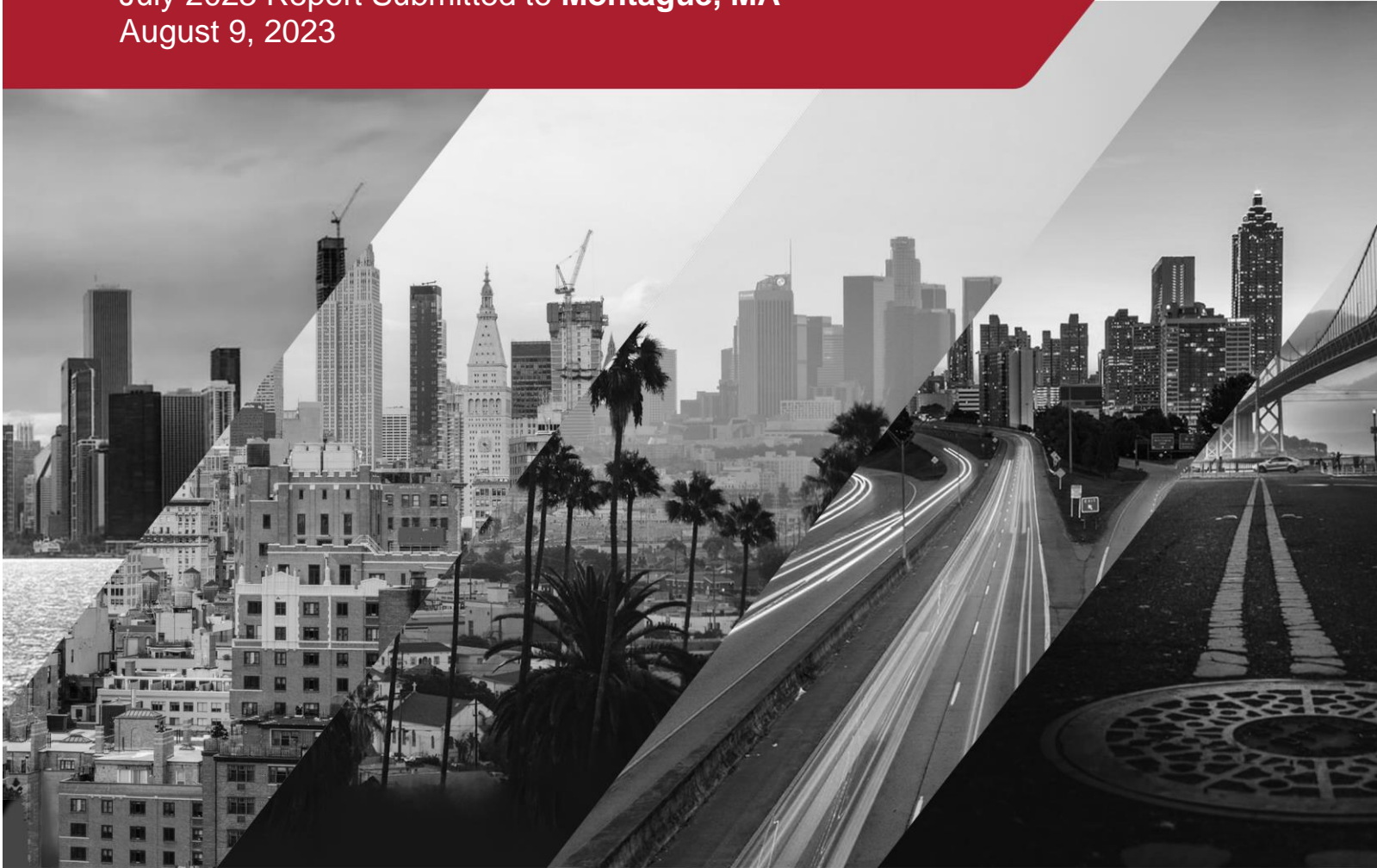


Montague, MA

# Montague, MA

July 2023 Report Submitted to **Montague, MA**  
August 9, 2023



**ADS** ENVIRONMENTAL SERVICES

340 The Bridge Street, Suite 204  
Huntsville, AL 35806

800-633-7246  
[www.adsenv.com](http://www.adsenv.com)



August 9, 2023

Tom Bergeron,  
DPW Superintendent  
1 Avenue A  
Turners Falls MA 01376

**SUBJECT: Montague, MA**

Dear Mr. Bergeron,

ADS is pleased to submit the report for the Montague, MA completed on behalf of Montague, MA. The metering was conducted at five (5) locations. The study was conducted during the period of Saturday, 01 July 2023 to Monday, 31 July 2023.

The report contains depth, velocity, and quantity hydrographs as well as daily long tables for the metering period. An Excel file containing depth, quantity, and velocity entities for the monitoring location in 5-minute format was provided previously.

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, you may contact the Project Manager, Scott Neesen at 603.484.0186.

It has been our pleasure to be of service to you in the performance of this project. Thank you for choosing ADS products and services to meet your flow monitoring needs.

Sincerely,

**ADS ENVIRONMENTAL SERVICES**

Melissa Hygom  
Senior Hydraulic Data Analyst, Congers, NY

Saturday, 01 July 2023 to Monday, 31 July 2023



# Montague, MA

## Prepared For:

Tom Bergeron,  
DPW Superintendent  
1 Avenue A  
Turners Falls MA 01376

## Prepared By:



ADS, LLC  
340 The Bridge Street, Suite 204  
Huntsville, AL 35806

## Table of Contents

No table of contents entries found.



# 7th\_L\_CSO

## Site Commentary

### SITE INFORMATION

Pipe	Round (14.25 in H)
Silt	0.00 (in)

### OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 01 July 2023 to Monday, 31 July 2023**, along with observed minimum and maximum data, are provided in the following table.

Six (6) overflows occurred during the July report period.

Observed Flow Conditions		
Item	DFINAL (in)	VFINAL (ft/s)
Average	1.65	1.97
Minimum	0.09	0.09
Maximum	40.16	15.58
Min Time	07/24/2023 6:45:00 AM	07/27/2023 3:45:00 AM
Max Time	07/21/2023 2:20:00 PM	07/21/2023 2:40:00 PM

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.

Values in the Observed Flow Conditions and data on the graphical reports are based on the none average.

### DATA UPTIME

Data uptime observed during **Saturday, 01 July 2023 to Monday, 31 July 2023** is provided in the following table:

Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100

<b>7th_L_CSO</b>	<b>Total</b>	<b>Duration</b>	<b>Start</b>	<b>Stop</b>	<b>Rain</b>
<b>W1</b>	71	0:10:00	7/10/23 9:05	7/10/23 9:15	1.7
<b>W2</b>	33,519	0:40:00	7/13/23 21:20	7/13/23 22:00	1.53
		0:10:00	7/16/23 6:25	7/16/23 6:35	
		0:05:00	7/16/23 6:45	7/16/23 6:50	
<b>W3</b>	15,705	1:15:00	7/16/23 7:30	7/16/23 8:45	2.03
		0:05:00	7/16/23 9:30	7/16/23 9:30	
		0:15:00	7/16/23 10:15	7/16/23 10:30	
		2:10:00	7/21/23 14:00	7/21/23 16:10	
<b>W4</b>	132,883	0:55:00	7/21/23 18:30	7/21/23 19:25	4.54
		0:20:00	7/21/23 19:55	7/21/23 20:15	
<b>W5</b>	2,704	0:20:00	7/24/23 14:55	7/24/23 15:15	0.88
<b>W6</b>	1,538	0:15:00	7/29/23 18:00	7/29/23 18:15	0.3
<b>Total</b>	<b>Gals. 186,420</b>	<b>Hrs. 6:40:00</b>	<b>Rain 10.98</b>		

# Hydrograph Report

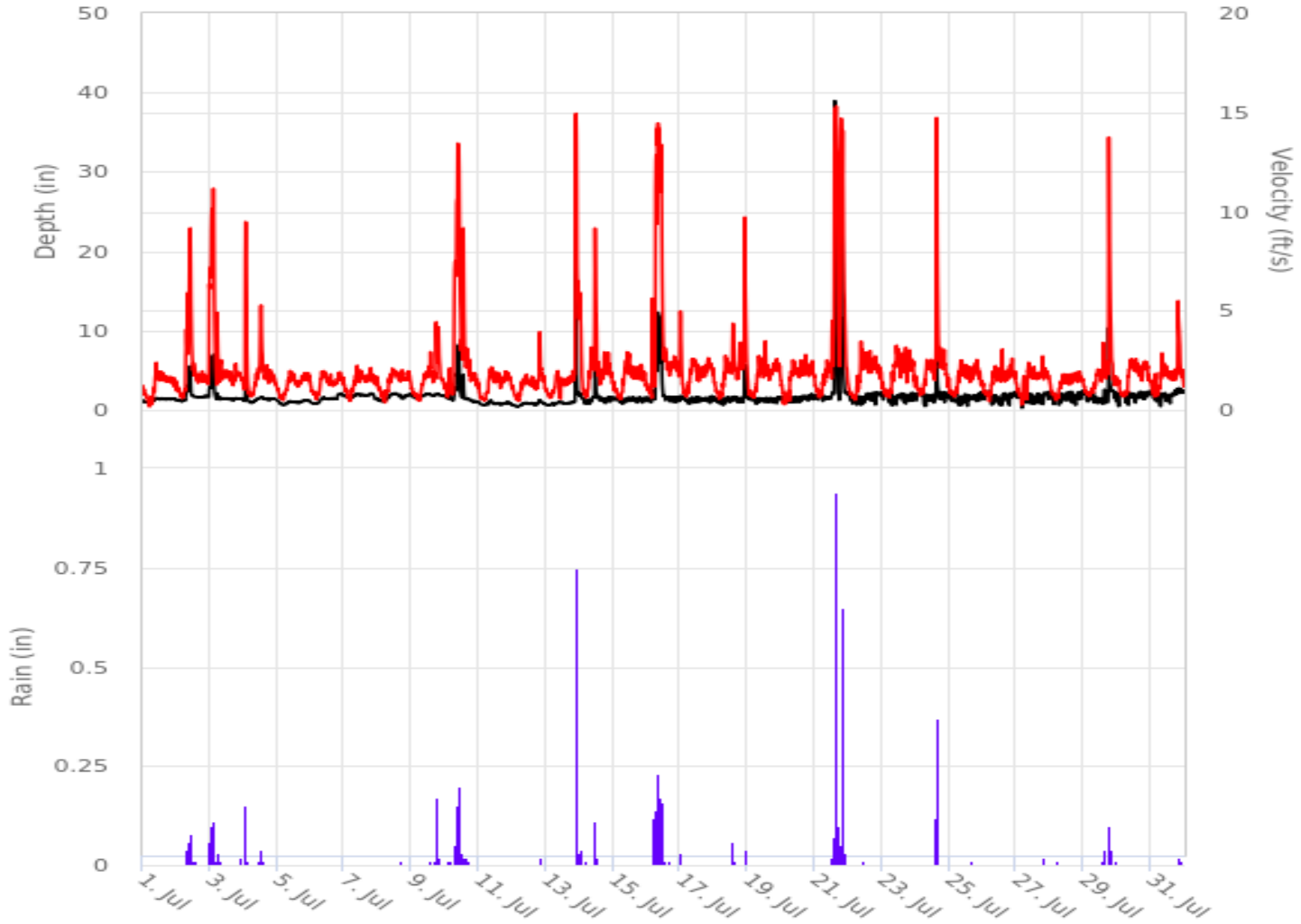
7th\_L\_CSO

Flow Monitor  
**7th\_L\_CSO**

Pipe Height  
14.25  
in

Report Period  
07/01/2023  
To  
07/31/2023

Legend  
— DFINAL  
— RAIN FINAL  
— VFINAL



# Scattergraph Report

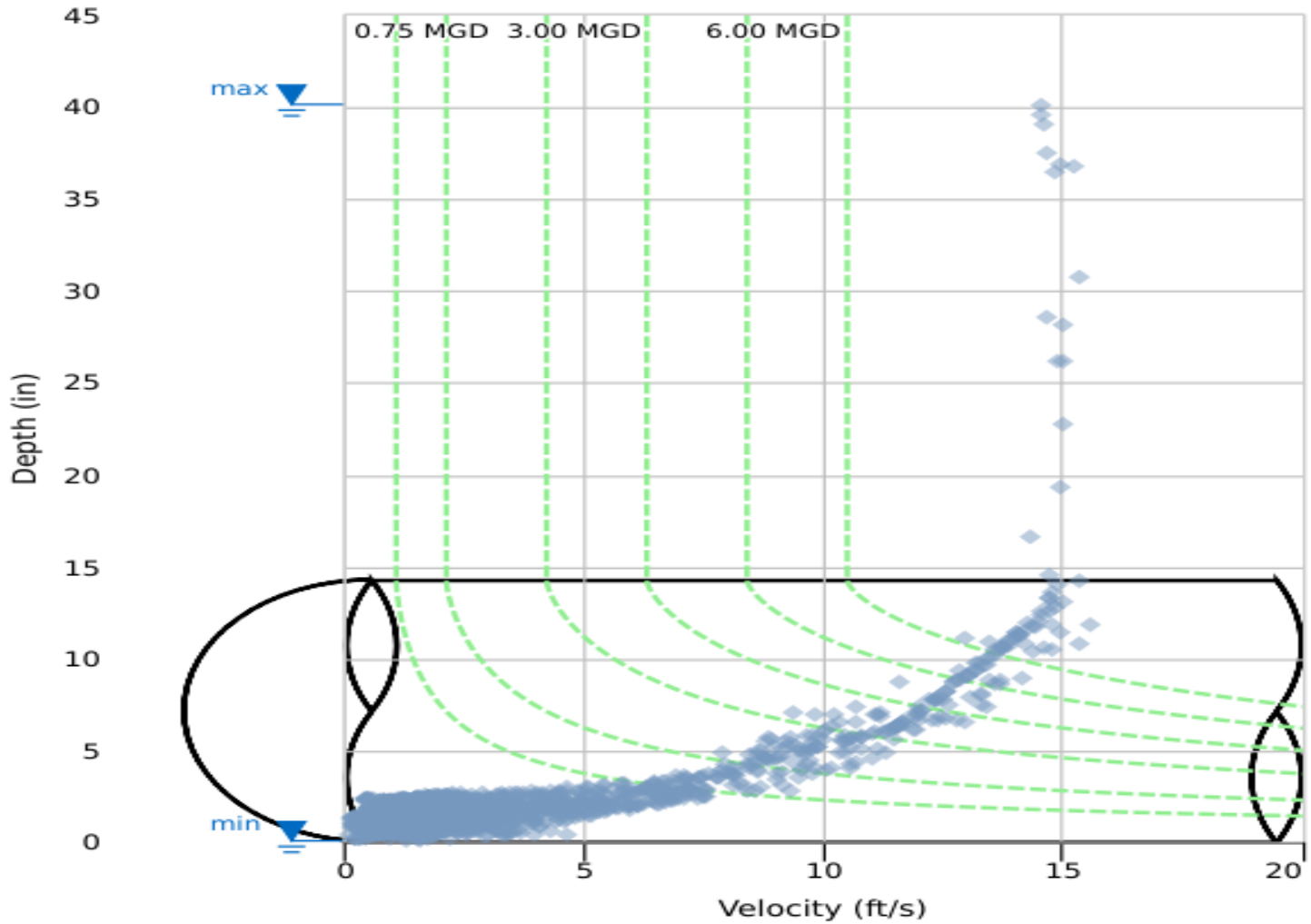
7th\_L\_CSO

Flow Monitor  
**7th\_L\_CSO**

Pipe Height  
14.25  
in

Report Period  
07/01/2023  
To  
07/31/2023

Legend  
○ DFINAL - VFINAL  
--- Iso-Q™  
▼ Min-Max Depth



## Daily Tabular Report

07/01/2023 00:00 - 07/31/2023 23:59

7th\_L\_CSOPipe: Round (14.25 in H), Silt0.00 in

Date	DFINAL (in)					VFINAL (ft/s)					RAIN FINAL (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total
07/01/2023	04:40	0.88	09:55	1.54	1.23	04:35	0.16	09:55	2.48	1.25	-
07/02/2023	04:25	1.08	10:05	5.74	1.79	04:20	0.55	10:05	9.34	2.21	0.72
07/03/2023	16:50	1.21	02:40	7.03	1.86	16:45	1.20	02:40	11.20	2.87	0.91
07/04/2023	05:30	0.87	01:35	4.50	1.34	05:30	0.59	01:35	9.73	1.91	0.40
07/05/2023	04:25	0.56	00:00	1.23	0.96	04:30	0.46	22:20	2.03	1.31	-
07/06/2023	04:05	0.76	22:00	2.19	1.36	04:25	0.46	21:00	2.18	1.34	-
07/07/2023	22:25	1.28	19:05	2.11	1.75	04:05	0.41	09:20	2.60	1.41	-
07/08/2023	03:15	1.03	12:25	2.11	1.64	05:00	0.33	10:25	2.52	1.41	0.01
07/09/2023	04:35	1.33	17:40	2.07	1.76	06:05	0.39	17:35	5.40	1.61	0.38
07/10/2023	23:25	0.94	09:10	8.89	1.96	05:40	0.60	09:10	14.13	3.41	1.70
07/11/2023	15:55	0.57	08:25	1.35	0.79	03:40	0.37	09:10	2.29	1.34	-
07/12/2023	05:00	0.41	19:45	1.28	0.74	05:00	0.41	19:30	3.95	1.31	0.05
07/13/2023	03:00	0.55	21:30	28.16	1.48	10:40	0.51	21:35	15.02	2.19	1.53
07/14/2023	06:20	0.61	11:00	5.40	1.43	04:30	0.58	11:00	9.30	2.22	0.24
07/15/2023	04:40	0.58	14:40	1.62	1.28	04:30	0.44	10:15	3.17	1.61	-
07/16/2023	20:20	0.83	07:30	14.56	2.82	03:40	0.57	08:05	14.83	4.23	2.03
07/17/2023	07:00	0.57	00:40	1.77	1.35	04:35	0.59	00:10	5.13	1.92	0.01
07/18/2023	04:35	0.49	22:00	7.42	1.41	04:15	0.15	22:00	10.67	2.16	0.15
07/19/2023	06:35	0.67	22:35	1.67	1.30	04:30	0.55	12:50	4.09	1.76	-
07/20/2023	06:35	0.80	21:55	1.98	1.44	03:50	0.14	17:35	2.82	1.68	-
07/21/2023	05:55	1.07	14:20	40.16	4.27	02:35	0.53	14:40	15.58	4.54	4.54
07/22/2023	03:05	0.38	19:55	2.24	1.59	04:50	0.47	09:00	3.68	1.81	0.01
07/23/2023	07:50	0.24	21:30	2.21	1.63	05:25	0.58	16:55	3.94	1.86	-
07/24/2023	06:45	0.09	15:05	13.08	1.90	03:05	0.70	15:05	15.03	2.34	0.88
07/25/2023	05:55	0.21	22:55	2.25	1.52	03:05	0.62	19:35	2.71	1.63	0.02
07/26/2023	12:45	0.14	05:10	2.40	1.67	04:55	0.42	14:00	3.47	1.54	-
07/27/2023	03:50	0.20	23:45	2.37	1.55	03:45	0.09	18:45	3.06	1.54	0.02
07/28/2023	18:20	0.43	23:10	2.39	1.66	04:20	0.47	20:55	2.02	1.32	0.01
07/29/2023	23:15	0.50	18:05	11.38	1.96	04:05	0.65	18:05	14.13	2.03	0.30
07/30/2023	01:05	0.33	22:45	2.37	1.72	05:45	0.63	13:25	2.86	1.69	-
07/31/2023	07:15	0.40	19:45	2.76	1.86	02:55	0.59	19:25	6.14	1.76	0.05

07/01/2023 00:00 - 07/31/2023 23:59

	DFINAL (in)	VFINAL (ft/s)	RAIN FINAL (in)
Total			13.96
Average	1.65	1.97	



# Ave\_A\_CSO

## Site Commentary

### SITE INFORMATION

Pipe	Round (21 in H)
Silt	0.00 (in)

### OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 01 July 2023 to Monday, 31 July 2023**, along with observed minimum and maximum data, are provided in the following table.

Six (6) overflows occurred during the July report period

Observed Flow Conditions	
Item	DFINAL (in)
Average	4.90
Minimum	2.33
Maximum	75.00
Min Time	07/30/2023 8:20:00 AM
Max Time	07/21/2023 2:20:00 PM

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.

Values in the Observed Flow Conditions and data on the graphical reports are based on the none average.

### DATA UPTIME

Data uptime observed during **Saturday, 01 July 2023 to Monday, 31 July 2023** is provided in the following table:

Percent Uptime	
DFINAL (in)	100

<b>Ave_A_CSO</b>	<b>Total</b>	<b>Duration</b>	<b>Start</b>	<b>Stop</b>	<b>Rain</b>
<b>W1</b>	1,351	0:10:00 0:10:00	7/10/23 9:05 7/10/23 9:45	7/10/23 9:15 7/10/23 9:55	1.7
<b>W2</b>	131,396	0:35:00	7/13/23 21:20	7/13/23 21:55	1.53
<b>W3</b>	25,456	0:05:00 0:35:00	7/16/23 7:35 7/16/23 8:05	7/16/23 7:35 7/16/23 8:40	2.03
<b>W4</b>	579,742	1:40:00 0:50:00	7/21/23 14:10 7/21/23 18:30	7/21/23 15:50 7/21/23 19:20	4.54
<b>W5</b>	8,934	0:15:00 0:10:00	7/21/23 20:00 7/24/23 15:00	7/21/23 20:15 7/24/23 15:10	0.88
<b>W6</b>	3	0:05:00	7/29/23 18:05	7/29/23 18:05	0.3
<b>Total</b>	<b>Gals. 746,883</b>	<b>Hrs. 4:35:00</b>	<b>Rain 10.98</b>		

# Hydrograph Report

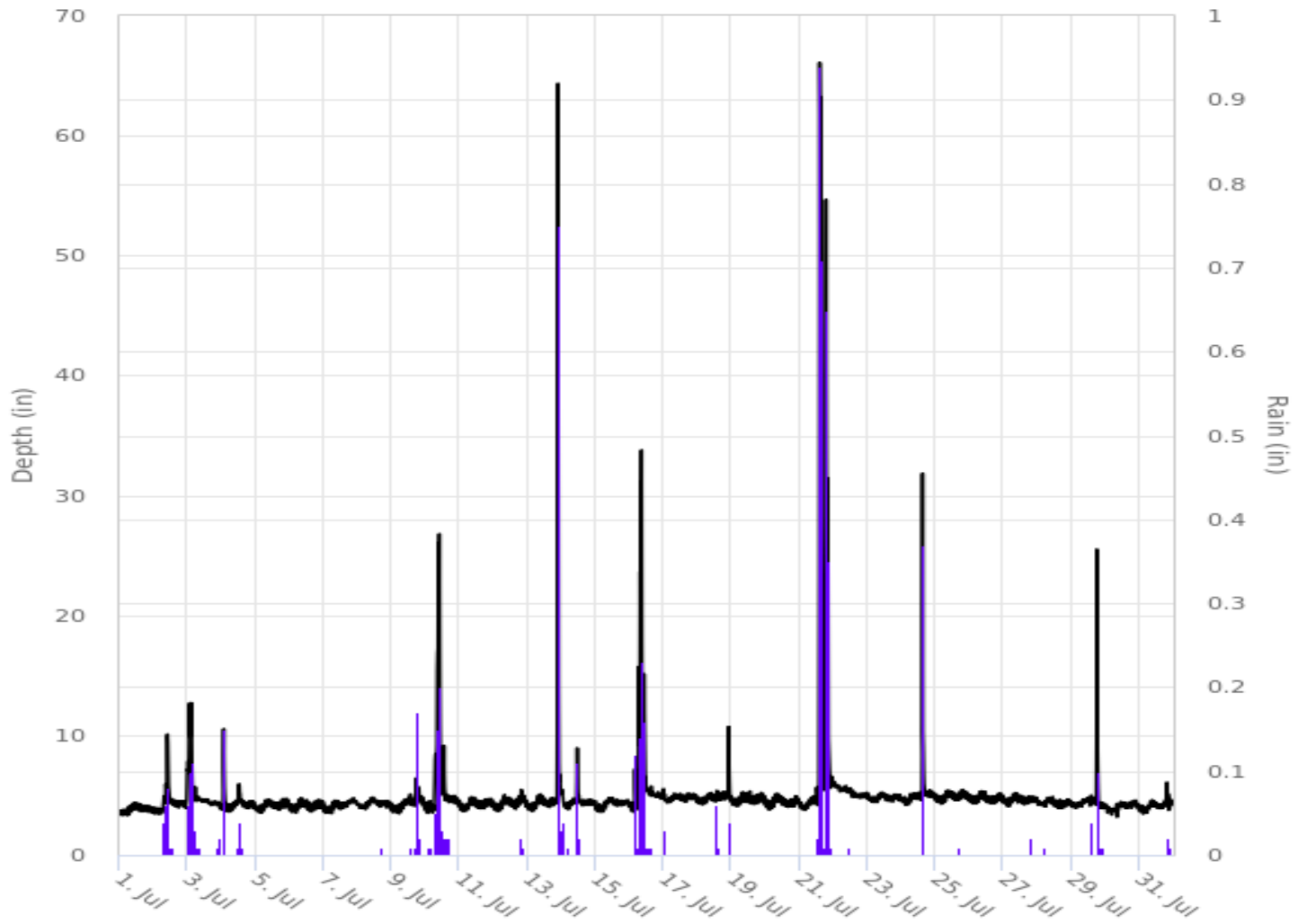
Ave\_A\_CSO

Flow Monitor  
**Ave\_A\_CSO**

Pipe Height  
21.00  
in

Report Period  
07/01/2023  
To  
07/31/2023

Legend  
— DFINAL  
— RAIN FINAL



## Daily Tabular Report

07/01/2023 00:00 - 07/31/2023 23:59

Ave\_A\_CSOPipe: Round (21 in H), Silt0.00 in

Date	DFINAL (in)					RAIN FINAL (in)
	Time	Min	Time	Max	Avg	Total
07/01/2023	00:55	3.21	10:30	4.89	3.84	-
07/02/2023	05:55	3.13	09:35	10.87	4.52	0.72
07/03/2023	23:55	3.65	02:30	14.20	5.25	0.91
07/04/2023	04:45	3.46	01:30	12.29	4.41	0.40
07/05/2023	02:40	3.47	18:10	5.44	4.15	-
07/06/2023	01:55	3.33	09:25	5.57	4.13	-
07/07/2023	03:55	3.25	20:30	5.49	4.17	-
07/08/2023	03:45	3.33	10:20	5.66	4.29	0.01
07/09/2023	04:40	3.27	17:30	7.01	4.38	0.38
07/10/2023	01:40	3.36	09:10	30.68	6.27	1.70
07/11/2023	04:00	3.60	08:00	5.37	4.15	-
07/12/2023	02:00	3.61	19:40	6.03	4.27	0.05
07/13/2023	03:00	3.60	21:35	65.76	5.81	1.53
07/14/2023	04:35	3.72	11:10	9.03	4.45	0.24
07/15/2023	04:50	3.47	09:55	5.47	4.19	-
07/16/2023	02:50	3.51	08:05	37.11	7.09	2.03
07/17/2023	03:00	4.29	21:10	5.78	4.74	0.01
07/18/2023	03:40	4.13	22:05	11.53	4.85	0.15
07/19/2023	05:35	4.00	17:55	6.00	4.59	-
07/20/2023	02:45	3.70	05:30	5.79	4.37	-
07/21/2023	03:30	3.60	14:20	75.00	11.13	4.54
07/22/2023	17:20	4.48	07:50	6.27	5.29	0.01
07/23/2023	05:55	4.30	10:20	5.84	4.78	-
07/24/2023	02:55	4.12	15:00	34.16	5.30	0.88
07/25/2023	05:05	4.19	07:35	6.15	4.85	0.02
07/26/2023	04:10	4.13	22:15	5.91	4.70	-
07/27/2023	03:45	3.91	08:15	6.05	4.64	0.02
07/28/2023	04:55	3.66	08:40	5.43	4.34	0.01
07/29/2023	02:45	3.47	18:05	27.22	4.81	0.30
07/30/2023	08:20	2.33	09:30	5.12	4.06	-
07/31/2023	20:45	2.39	19:20	7.02	4.20	0.05

07/01/2023 00:00 - 07/31/2023 23:59

	DFINAL (in)	RAIN FINAL (in)
Total		13.96
Average	4.90	

# CSO\_ChlorineChamber

## Site Commentary

### SITE INFORMATION

Pipe	Elliptical (24.38 in H x 24.62 in W)
Silt	0.00 (in)

### OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 01 July 2023 to Monday, 31 July 2023**, along with observed minimum and maximum data, are provided in the following table.

One (1) discharge occurred during the July report period

Observed Flow Conditions			
Item	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)
Average	0.01	0.01	0.002
Minimum	0.00	0.00	0.000
Maximum	4.78	4.35	1.274
Min Time	07/31/2023 11:55:00 PM	07/31/2023 11:55:00 PM	07/31/2023 11:55:00 PM
Max Time	07/10/2023 11:20:00 AM	07/10/2023 11:20:00 AM	07/10/2023 11:20:00 AM

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.

Values in the Observed Flow Conditions and data on the graphical reports are based on the none average.

### DATA UPTIME

Data uptime observed during **Saturday, 01 July 2023 to Monday, 31 July 2023** is provided in the following table:

Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100
QFINAL (MGD - Total MG)	100

# Hydrograph Report

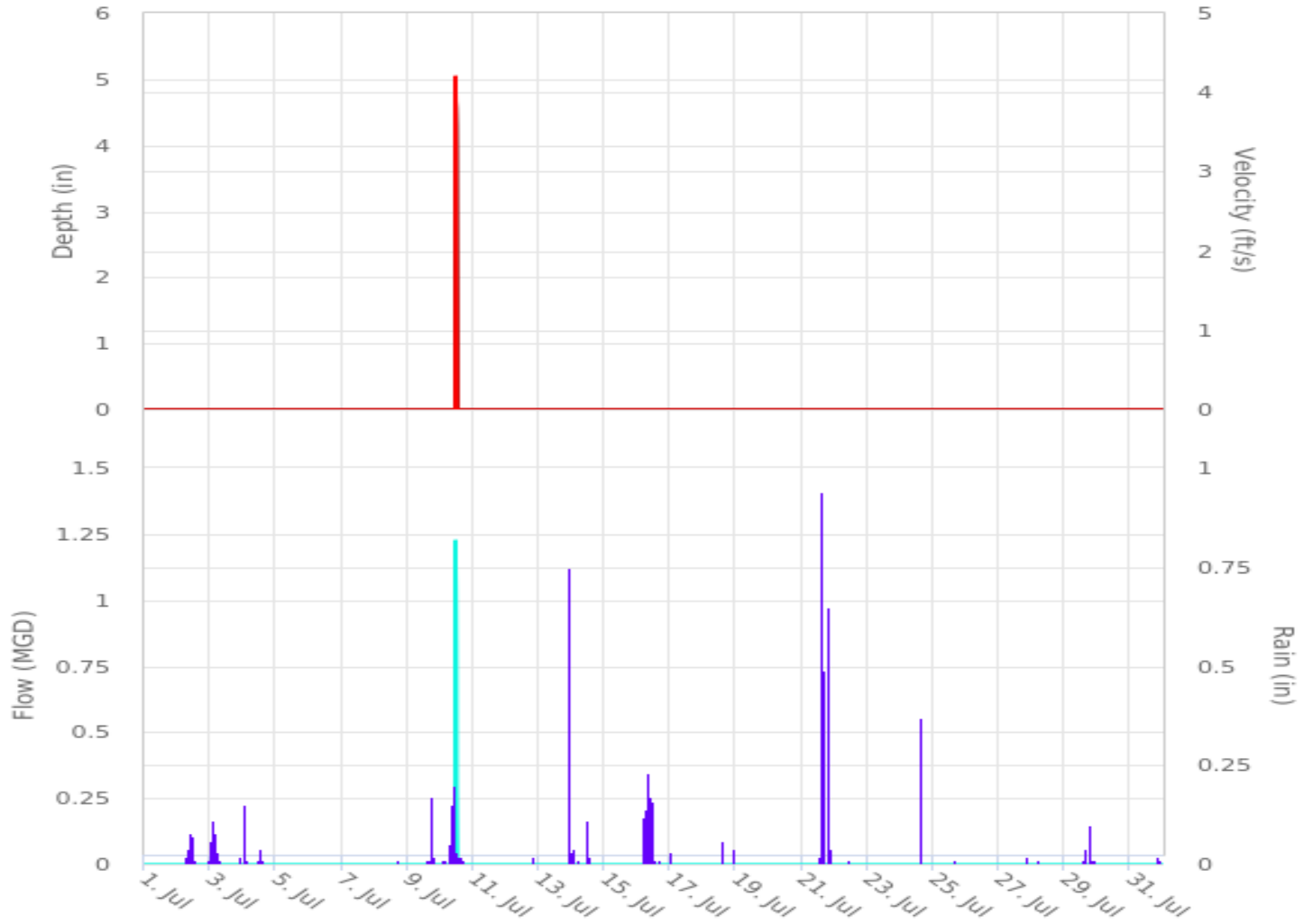
## CSO\_ChlorineChamber

**Flow Monitor**  
CSO\_ChlorineChamber

Pipe Height  
24.38  
in

**Report Period**  
07/01/2023  
To  
07/31/2023

**Legend**  
— DFINAL  
— VFINAL  
— QFINAL  
— RAIN FINAL



# Scattergraph Report

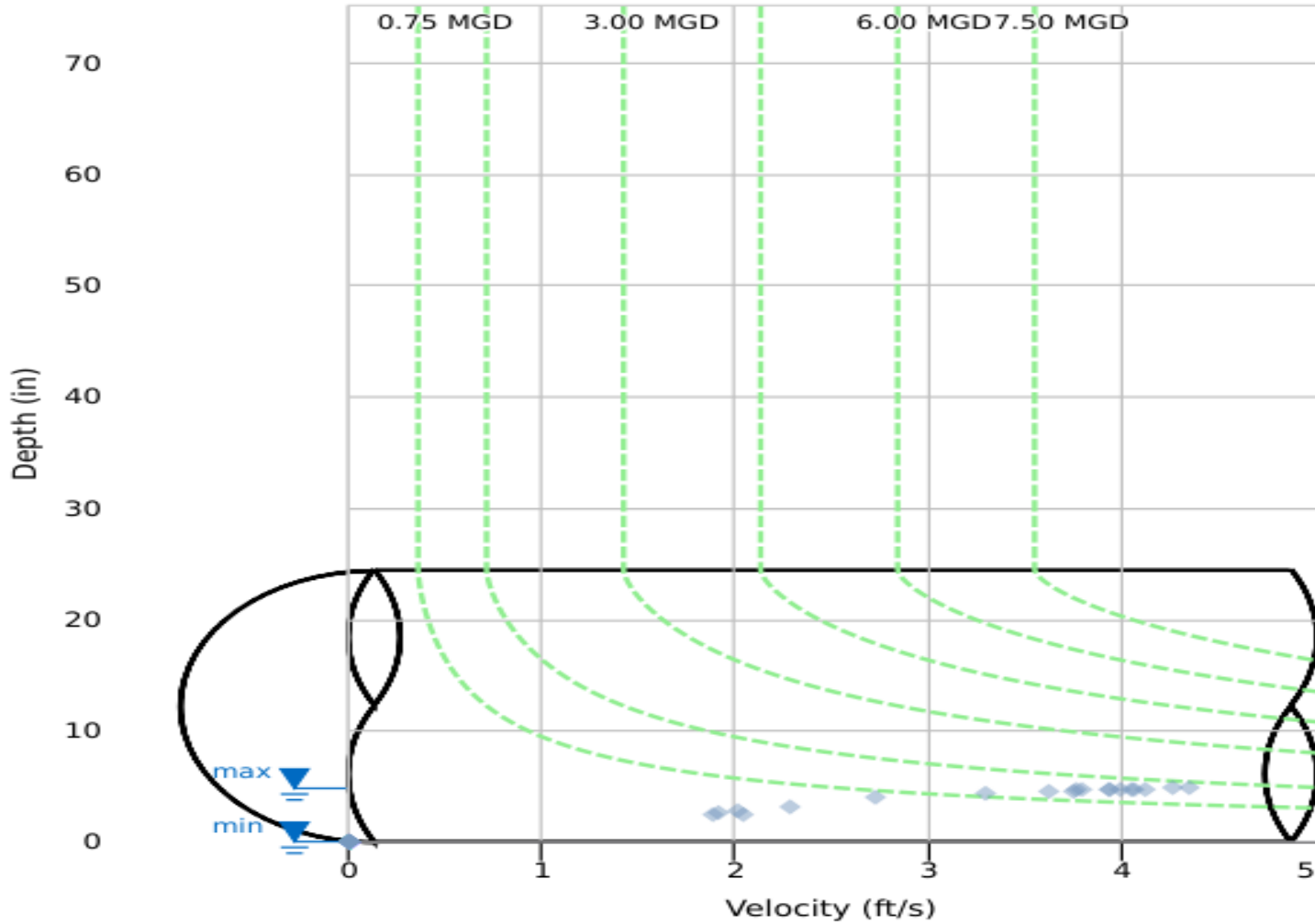
CSO\_ChlorineChamber

Flow Monitor  
CSO\_ChlorineChamber

Pipe Height  
24.38  
in

Report Period  
To  
07/01/2023  
From  
07/31/2023

Legend  
○ DFINAL - VFINAL  
- Iso-Q™  
▲ Min-Max Depth



## Daily Tabular Report

07/01/2023 00:00 - 07/31/2023 23:59

CSO\_ChlorineChamberPipe: Elliptical (24.38 in H x 24.62 in W), Silt0.00 in

Date	DFINAL (in)					VFINAL (ft/s)					QFINAL (MGD - Total MG)					RAIN FINAL (in)	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
07/01/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/02/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.72
07/03/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.91
07/04/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.40
07/05/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/06/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/07/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/08/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.01
07/09/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.38
07/10/2023	00:00	0.00	11:20	4.78	0.27	00:00	0.00	11:20	4.35	0.22	00:00	0.000	11:20	1.274	0.057	0.057	1.70
07/11/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/12/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.05
07/13/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	1.53
07/14/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.24
07/15/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/16/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	2.03
07/17/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.01
07/18/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.15
07/19/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/20/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/21/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	4.54
07/22/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.01
07/23/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/24/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.88
07/25/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.02
07/26/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/27/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.02
07/28/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.01
07/29/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.30
07/30/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	-
07/31/2023	00:00	0.00	00:00	0.00	0.00	00:00	0.00	00:00	0.00	0.00	00:00	0.000	00:00	0.000	0.000	0.000	0.05

07/01/2023 00:00 - 07/31/2023 23:59

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	RAIN FINAL (in)
Total			0.057	13.96
Average	0.01	0.01	0.002	



# Greenfield\_CSO

## Site Commentary

### SITE INFORMATION

Pipe	Round (36 in H)
Silt	0.00 (in)

### OBSERVATIONS

Average flow depth, velocity, and quantity data observed during **Saturday, 01 July 2023 to Monday, 31 July 2023**, along with observed minimum and maximum data, are provided in the following table.

Seven (7) overflows occurred during the July report period.

Observed Flow Conditions		
Item	DFINAL (in)	VFINAL (ft/s)
Average	6.14	1.92
Minimum	2.94	0.50
Maximum	46.48	2.92
Min Time	07/11/2023 3:10:00 AM	07/16/2023 11:55:00 AM
Max Time	07/21/2023 3:10:00 PM	07/03/2023 12:35:00 AM

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.

Values in the Observed Flow Conditions and data on the graphical reports are based on the none average.

### DATA UPTIME

Data uptime observed during **Saturday, 01 July 2023 to Monday, 31 July 2023** is provided in the following table:

Percent Uptime	
DFINAL (in)	100
VFINAL (ft/s)	100

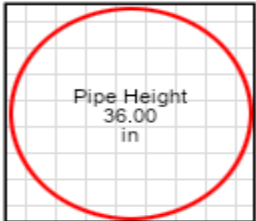
<b>GFLD_CSO</b>	<b>Total</b>	<b>Duration</b>	<b>Start</b>	<b>Stop</b>	<b>Rain</b>
<b>W1</b>	29	0:05:00	7/3/23 3:15	7/3/23 3:20	0.91
<b>W2</b>	10,146	1:45:00	7/10/23 9:25	7/10/23 11:10	1.7
<b>W3</b>	11,375	1:10:00	7/13/23 21:50	7/13/23 23:00	1.53
<b>W4</b>	13,488	3:10:00	7/16/23 8:05	7/16/23 11:15	2.03
<b>W5</b>	78,159	2:35:00	7/21/23 14:45	7/21/23 17:20	4.54
<b>W6</b>	7,077	0:40:00	7/24/23 15:40	7/24/23 16:20	0.88
<b>W7</b>	907	0:25:00	7/29/23 18:45	7/29/23 19:10	0.3

	<b>Gals.</b>	<b>Hrs.</b>	<b>Rain</b>
<b>Total</b>	<b>121,181</b>	<b>12:45:00</b>	<b>11.89</b>

# Hydrograph Report

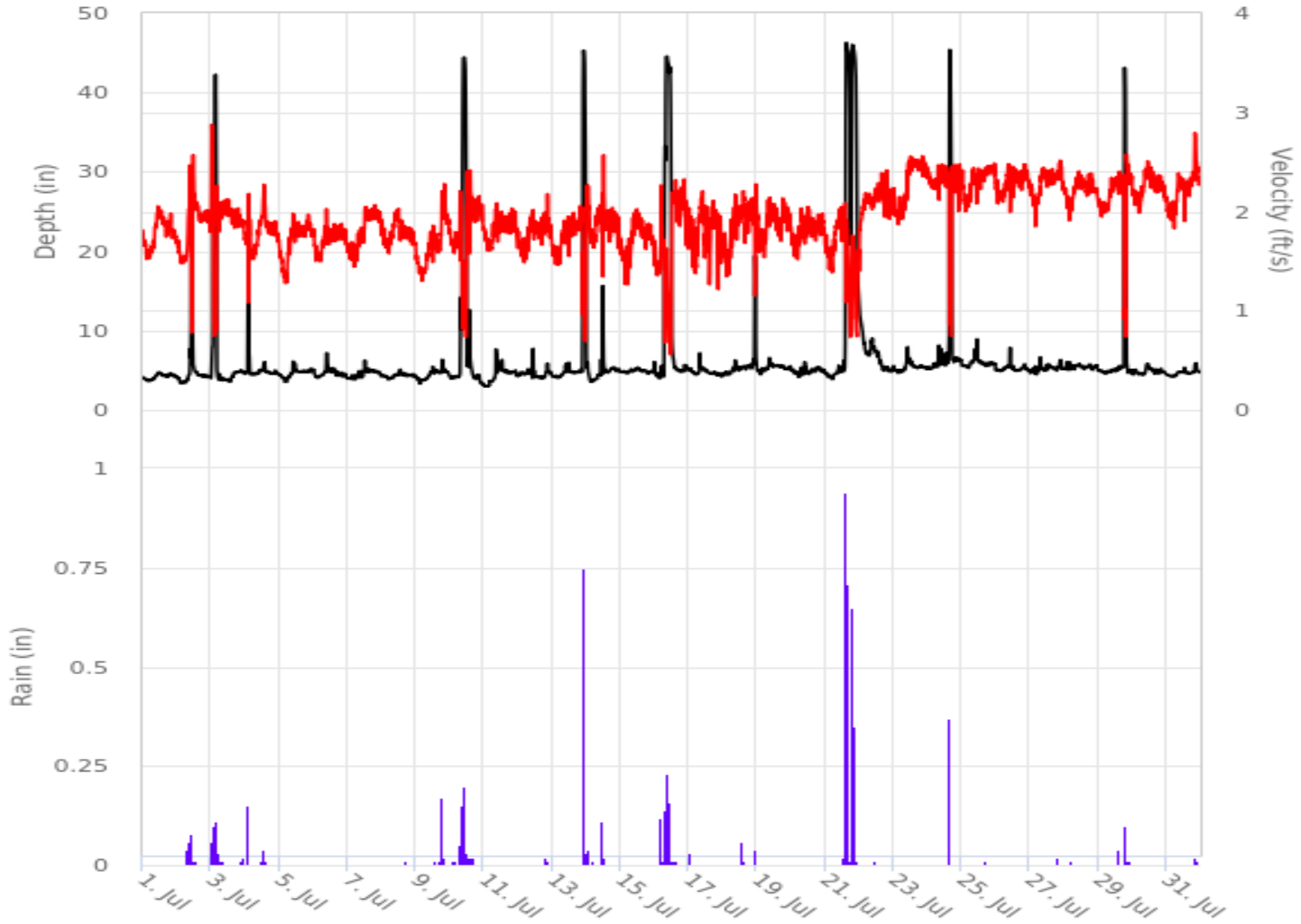
Greenfield\_CSO

Flow Monitor  
**Greenfield\_CSO**



Report Period  
07/01/2023  
To  
07/31/2023

Legend  
— DFINAL  
— RAIN FINAL  
— VFINAL



# Scattergraph Report

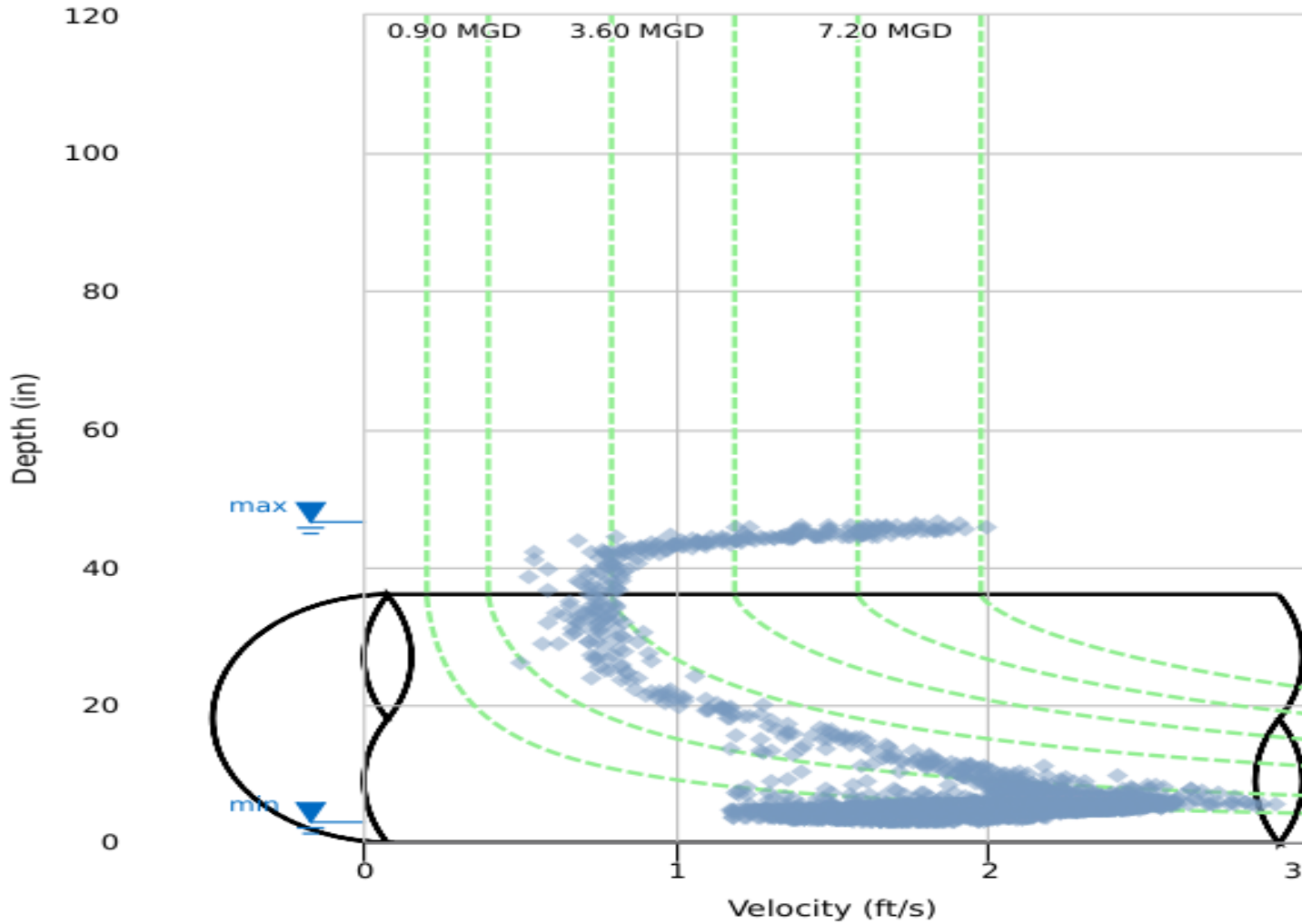
Greenfield\_CS0

Flow Monitor  
**Greenfield\_CS0**

Pipe Height  
36.00  
in

Report Period  
07/01/2023  
To  
07/31/2023

Legend  
○ DFINAL - VFINAL  
- Iso-Q™  
▼ Min-Max Depth



## Daily Tabular Report

07/01/2023 00:00 - 07/31/2023 23:59

Greenfield\_CSOPipe: Round (36 in H), Silt0.00 in

Date	DFINAL (in)					VFINAL (ft/s)					RAIN FINAL (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total
07/01/2023	03:20	3.62	12:55	4.99	4.18	02:40	1.49	11:10	2.08	1.79	-
07/02/2023	03:20	3.34	10:45	27.03	5.13	10:35	0.73	11:20	2.73	1.82	0.72
07/03/2023	13:35	3.52	03:20	42.44	7.39	02:20	0.72	00:35	2.92	1.89	0.91
07/04/2023	04:45	4.38	02:15	20.32	5.15	02:20	0.97	02:00	2.33	1.78	0.40
07/05/2023	04:30	3.51	11:00	7.33	4.60	05:20	1.18	09:55	2.09	1.71	-
07/06/2023	23:40	3.97	09:40	8.67	4.65	09:10	1.35	09:15	2.17	1.72	-
07/07/2023	05:05	3.76	12:15	8.47	4.53	07:00	1.31	12:15	2.14	1.81	-
07/08/2023	05:00	3.80	13:20	5.63	4.32	13:20	1.50	10:40	2.07	1.79	0.01
07/09/2023	03:20	3.27	18:45	8.91	4.42	04:30	1.18	20:20	2.31	1.67	0.38
07/10/2023	23:55	3.10	10:05	44.51	9.52	11:40	0.58	07:30	2.78	1.81	1.70
07/11/2023	02:55	2.94	08:40	10.34	4.44	09:45	1.20	09:15	2.16	1.83	-
07/12/2023	16:45	3.93	10:50	9.37	4.52	11:15	1.45	20:55	2.22	1.78	0.05
07/13/2023	03:15	4.00	22:15	45.59	7.98	23:45	0.62	21:30	2.25	1.70	1.53
07/14/2023	03:20	3.52	00:00	19.75	4.96	00:00	1.17	12:15	2.69	1.89	0.24
07/15/2023	19:30	4.54	12:20	5.36	4.88	04:55	1.20	11:50	2.08	1.71	-
07/16/2023	04:00	3.94	08:45	44.60	12.35	11:55	0.50	15:05	2.44	1.69	2.03
07/17/2023	23:25	4.20	08:10	11.44	4.77	21:05	1.17	09:55	2.26	1.80	0.01
07/18/2023	01:35	4.32	22:50	19.43	5.57	22:55	1.14	23:35	2.31	1.85	0.15
07/19/2023	02:50	4.39	09:05	7.18	5.31	09:05	1.19	09:10	2.25	1.89	-
07/20/2023	05:50	4.10	09:50	7.54	4.87	09:50	1.20	07:40	2.16	1.81	-
07/21/2023	05:20	3.82	15:10	46.48	17.80	18:40	0.66	14:25	2.31	1.57	4.54
07/22/2023	21:50	4.79	00:00	13.51	7.06	00:00	1.17	19:30	2.57	2.10	0.01
07/23/2023	03:40	4.62	10:20	9.64	5.39	03:15	1.82	13:35	2.60	2.29	-
07/24/2023	02:50	5.14	15:45	45.59	8.41	16:45	0.73	09:40	2.55	2.24	0.88
07/25/2023	05:05	5.22	11:05	12.62	5.90	10:55	1.36	21:00	2.53	2.30	0.02
07/26/2023	03:25	4.84	10:25	10.25	5.23	10:25	1.40	09:20	2.52	2.30	-
07/27/2023	04:45	4.40	07:40	9.44	5.20	04:05	1.30	21:40	2.60	2.29	0.02
07/28/2023	02:55	4.97	04:00	6.77	5.42	04:00	1.66	17:40	2.46	2.22	0.01
07/29/2023	05:50	4.54	18:55	43.74	7.00	19:40	0.73	20:20	2.60	2.11	0.30
07/30/2023	00:50	4.39	10:55	5.86	4.85	05:20	1.92	13:40	2.55	2.24	-
07/31/2023	04:20	4.17	21:15	6.36	4.66	13:05	1.29	20:30	2.82	2.22	0.05

07/01/2023 00:00 - 07/31/2023 23:59

	DFINAL (in)	VFINAL (ft/s)	RAIN FINAL (in)
Total			13.96
Average	6.14	1.92	

# RG1

## Site Commentary

### DATA UPTIME

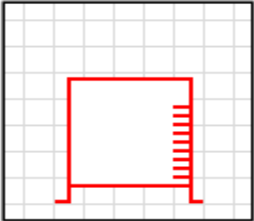
Data uptime observed during **Saturday, 01 July 2023 to Monday, 31 July 2023** is provided in the following table:

Percent Uptime	
RAINFINAL (in)	100

# Hydrograph Report

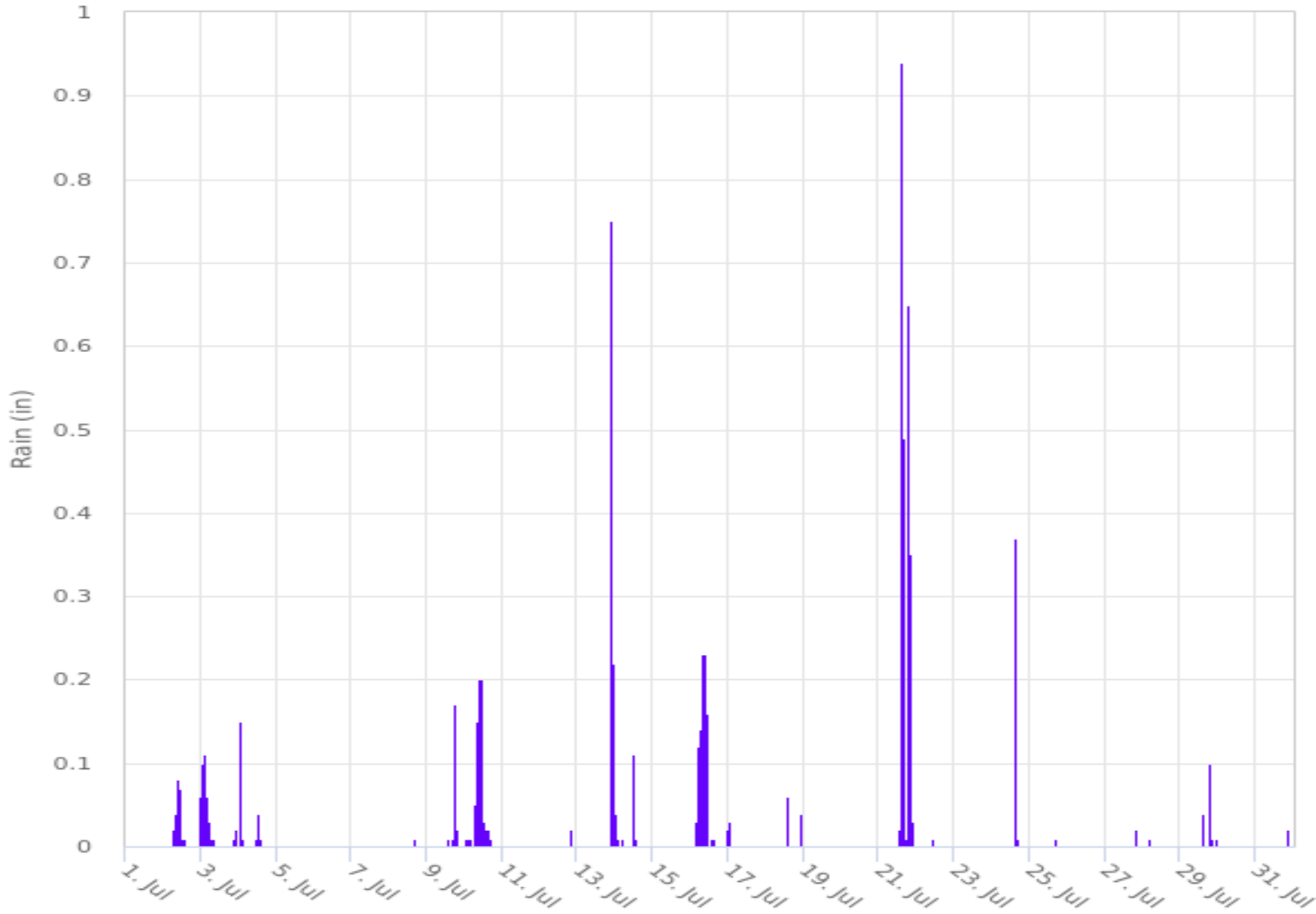
RG1

Rain Gauge  
**RG1**



Report Period  
07/01/2023  
To  
07/31/2023

Legend  
— DFINAL  
— RAIN FINAL  
— VFINAL



## Daily Tabular Report

07/01/2023 00:00 - 07/31/2023 23:59

RG1RainGauge: Unknown (0 H x 0 W), Silt0.00

Date	RAIN FINAL (in) Total
07/01/2023	-
07/02/2023	0.72
07/03/2023	0.91
07/04/2023	0.40
07/05/2023	-
07/06/2023	-
07/07/2023	-
07/08/2023	0.01
07/09/2023	0.38
07/10/2023	1.70
07/11/2023	-
07/12/2023	0.05
07/13/2023	1.53
07/14/2023	0.24
07/15/2023	-
07/16/2023	2.03
07/17/2023	0.01
07/18/2023	0.15
07/19/2023	-
07/20/2023	-
07/21/2023	4.54
07/22/2023	0.01
07/23/2023	-
07/24/2023	0.88
07/25/2023	0.02
07/26/2023	-
07/27/2023	0.02
07/28/2023	0.01
07/29/2023	0.30
07/30/2023	-
07/31/2023	0.05

07/01/2023 00:00 - 07/31/2023 23:59

	RAIN FINAL (in)
Total	13.96