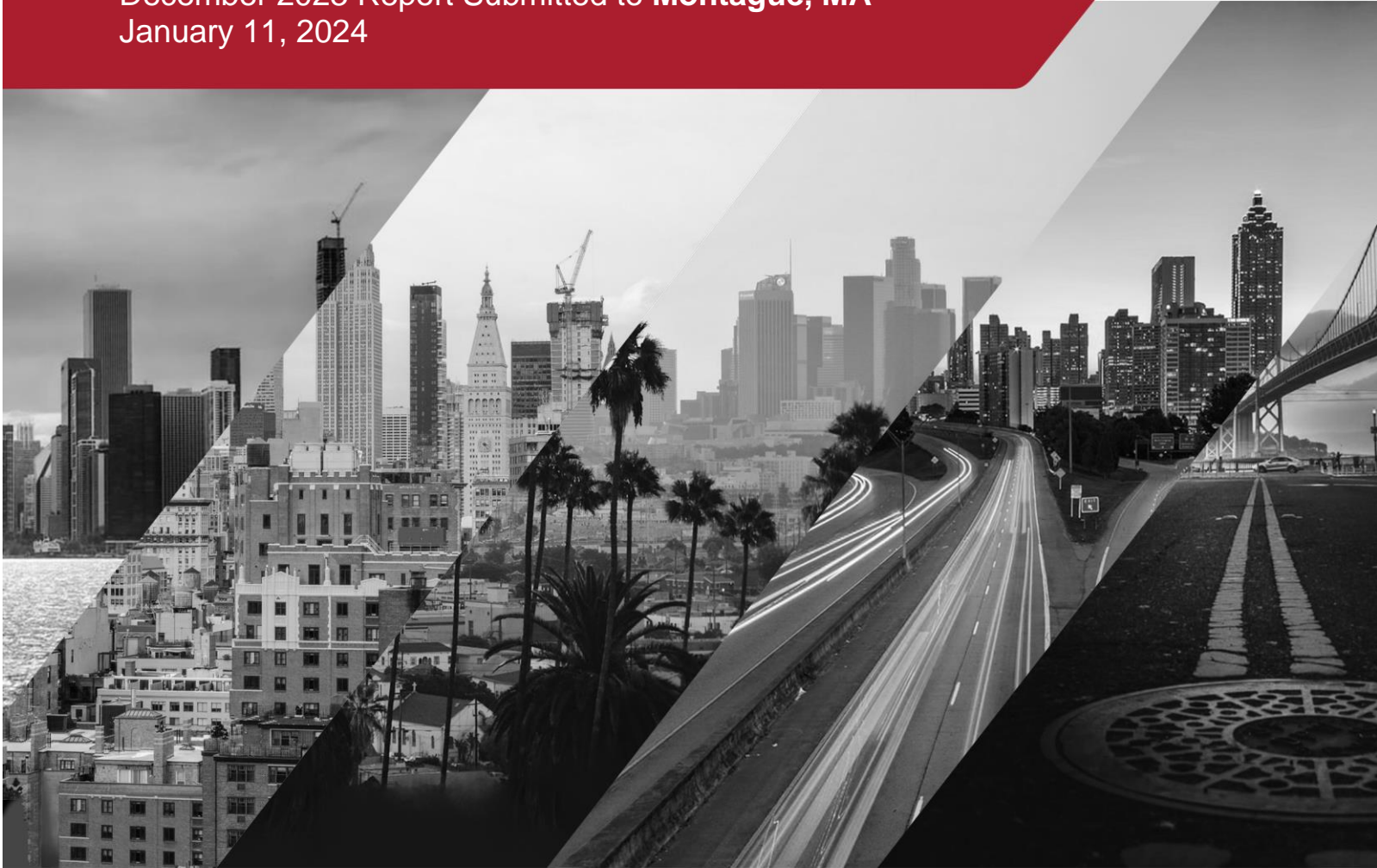


Montague, MA

# Montague, MA

December 2023 Report Submitted to **Montague, MA**  
January 11, 2024



**ADS** ENVIRONMENTAL  
SERVICES

340 The Bridge Street, Suite 204  
Huntsville, AL 35806

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



January 11, 2024

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 Friday, 01 December 2023 to Sunday, 31 December 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

Friday, 01 December 2023 to Sunday, 31 December 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

# 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 **Friday, 01 December 2023 to Sunday, 31 December 2023**, along with observed minimum and maximum data, are provided in the following table.

ZERO (0) OVERFLOWS RECORDED DURING THE DECEMBER METERING PERIOD

Observed Flow Conditions		
Item	DFINAL (in)	VFINAL (ft/s)
Average	1.74	1.92
Minimum	1.21	0.33
Maximum	5.66	11.56
Min Time	12/12/2023 4:40:00 AM	12/10/2023 3:40:00 AM
Max Time	12/18/2023 10:25:00 AM	12/18/2023 10:30:00 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 are based on the five minute average.

Values in the graphical reports are based on the fifteen minutes average.

Values in the tabular report are based on the five minute average.

### DATA UPTIME

Data uptime observed during **Friday, 01 December 2023 to Sunday, 31 December 2023** is provided in the following table:

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

# Hydrograph Report

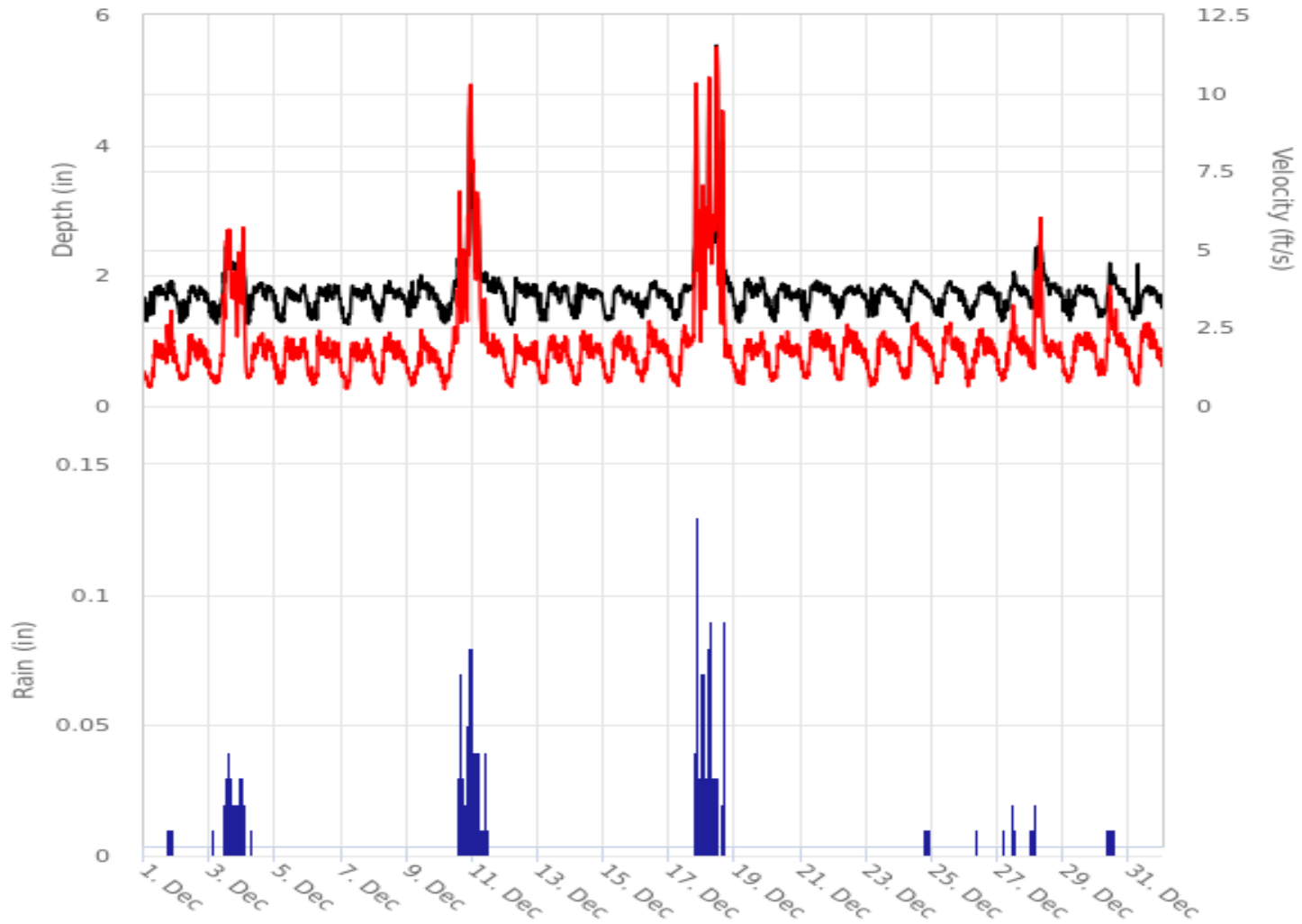
## 7th\_L\_CSO

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

Pipe Height  
14.25  
in

Report Period  
12/01/2023  
To  
12/31/2023

Legend  
— DFINAL  
— Rain  
— VFINAL



# Scattergraph Report

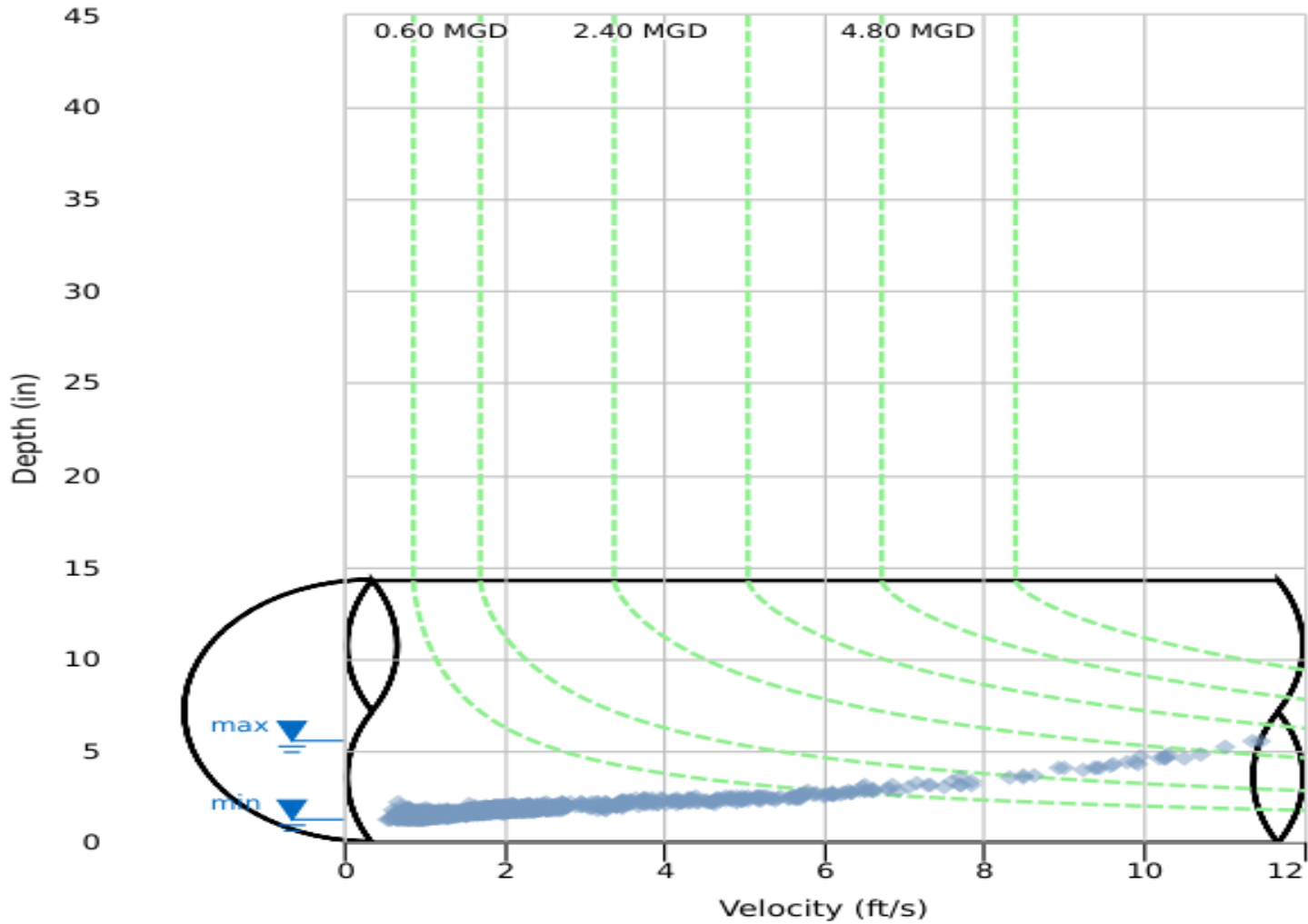
7th\_L\_CSO

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

Pipe Height  
14.25  
in

Report Period  
12/01/2023  
To  
12/31/2023

Legend  
○ DFINAL - VFINAL  
- - Iso-Q<sup>TM</sup>  
▼ Min-Max Depth



## Daily Tabular Report

12/01/2023 00:00 - 12/31/2023 23:59

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

Date	DFINAL (in)					VFINAL (ft/s)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total
12/01/2023	01:50	1.30	19:45	1.94	1.68	04:25	0.56	19:45	3.32	1.54	0.08
12/02/2023	02:50	1.22	16:40	1.87	1.63	05:25	0.74	10:45	2.64	1.49	-
12/03/2023	05:40	1.26	14:15	2.51	1.87	04:00	0.68	14:20	5.73	2.82	0.74
12/04/2023	03:45	1.24	00:15	2.41	1.73	04:10	0.80	00:20	5.91	1.84	0.04
12/05/2023	04:05	1.27	20:45	1.87	1.62	02:40	0.64	10:05	2.32	1.54	-
12/06/2023	01:35	1.30	19:00	1.90	1.65	03:35	0.64	07:55	2.64	1.54	-
12/07/2023	05:05	1.24	19:05	1.89	1.62	03:15	0.48	19:00	2.39	1.47	-
12/08/2023	04:00	1.29	11:00	1.93	1.64	03:50	0.67	11:05	2.38	1.55	-
12/09/2023	01:45	1.33	10:25	2.22	1.70	03:50	0.62	10:30	2.65	1.46	-
12/10/2023	03:45	1.26	22:20	4.65	2.10	03:40	0.33	22:50	10.36	3.26	1.24
12/11/2023	23:50	1.56	00:10	3.24	2.03	23:55	1.05	00:20	8.04	2.91	0.55
12/12/2023	04:40	1.21	07:45	1.98	1.67	04:55	0.60	07:35	2.41	1.49	-
12/13/2023	03:25	1.28	11:15	1.92	1.65	05:45	0.63	11:00	2.45	1.56	-
12/14/2023	02:30	1.31	05:40	2.08	1.66	02:45	0.63	07:50	2.58	1.58	-
12/15/2023	03:00	1.30	11:20	1.86	1.60	04:45	0.72	12:05	2.95	1.60	-
12/16/2023	04:35	1.33	13:25	1.93	1.67	04:20	0.71	09:25	3.31	1.69	-
12/17/2023	05:05	1.31	19:35	4.97	1.93	06:15	0.43	19:40	10.71	2.58	0.79
12/18/2023	23:55	1.49	10:25	5.66	2.55	23:55	1.11	10:30	11.56	4.77	1.16
12/19/2023	02:45	1.27	19:25	1.98	1.70	05:50	0.54	19:45	2.49	1.56	-
12/20/2023	04:55	1.28	10:35	1.90	1.66	02:40	0.74	14:05	2.43	1.62	-
12/21/2023	04:35	1.29	14:05	1.97	1.70	04:35	0.84	14:05	3.10	1.79	-
12/22/2023	02:50	1.31	18:20	1.86	1.68	03:35	0.74	10:10	2.72	1.72	-
12/23/2023	04:50	1.32	12:50	1.88	1.67	03:05	0.59	12:55	2.46	1.59	-
12/24/2023	06:15	1.30	11:50	1.94	1.68	04:35	0.78	13:05	2.71	1.74	0.03
12/25/2023	06:35	1.35	13:10	1.93	1.67	03:40	0.66	13:05	2.76	1.71	-
12/26/2023	02:00	1.31	17:15	1.92	1.66	02:05	0.42	12:30	2.53	1.67	0.01
12/27/2023	02:45	1.27	11:55	2.08	1.68	03:05	0.77	10:55	3.39	1.73	0.10
12/28/2023	01:50	1.46	07:20	2.64	1.93	02:00	1.12	07:15	6.23	2.38	0.10
12/29/2023	04:50	1.29	03:50	1.90	1.66	03:35	0.72	11:25	2.44	1.70	-
12/30/2023	01:35	1.34	09:55	2.21	1.69	01:55	0.90	09:35	3.93	1.98	0.11
12/31/2023	03:40	1.32	06:25	2.22	1.64	06:45	0.58	14:05	2.82	1.73	-

12/01/2023 00:00 - 12/31/2023 23:59

	DFINAL (in)	VFINAL (ft/s)	Rain (in)
Total			4.95
Average	1.74	1.92	

# 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 **Friday, 01 December 2023 to Sunday, 31 December 2023**, along with observed minimum and maximum data, are provided in the following table.

ZERO (0) OVERFLOWS RECORDED DURING THE DECEMBER METERING PERIOD

Observed Flow Conditions	
Item	DFINAL (in)
Average	3.30
Minimum	2.00
Maximum	16.85
Min Time	12/01/2023 3:10:00 AM
Max Time	12/18/2023 10:15:00 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 are based on the five minute average.

Values in the graphical reports are based on the fifteen minutes average.

Values in the tabular report are based on the five minute average.

### DATA UPTIME

Data uptime observed during **Friday, 01 December 2023 to Sunday, 31 December 2023** is provided in the following table:

Percent Uptime	
DFINAL (in)	100



# Hydrograph Report

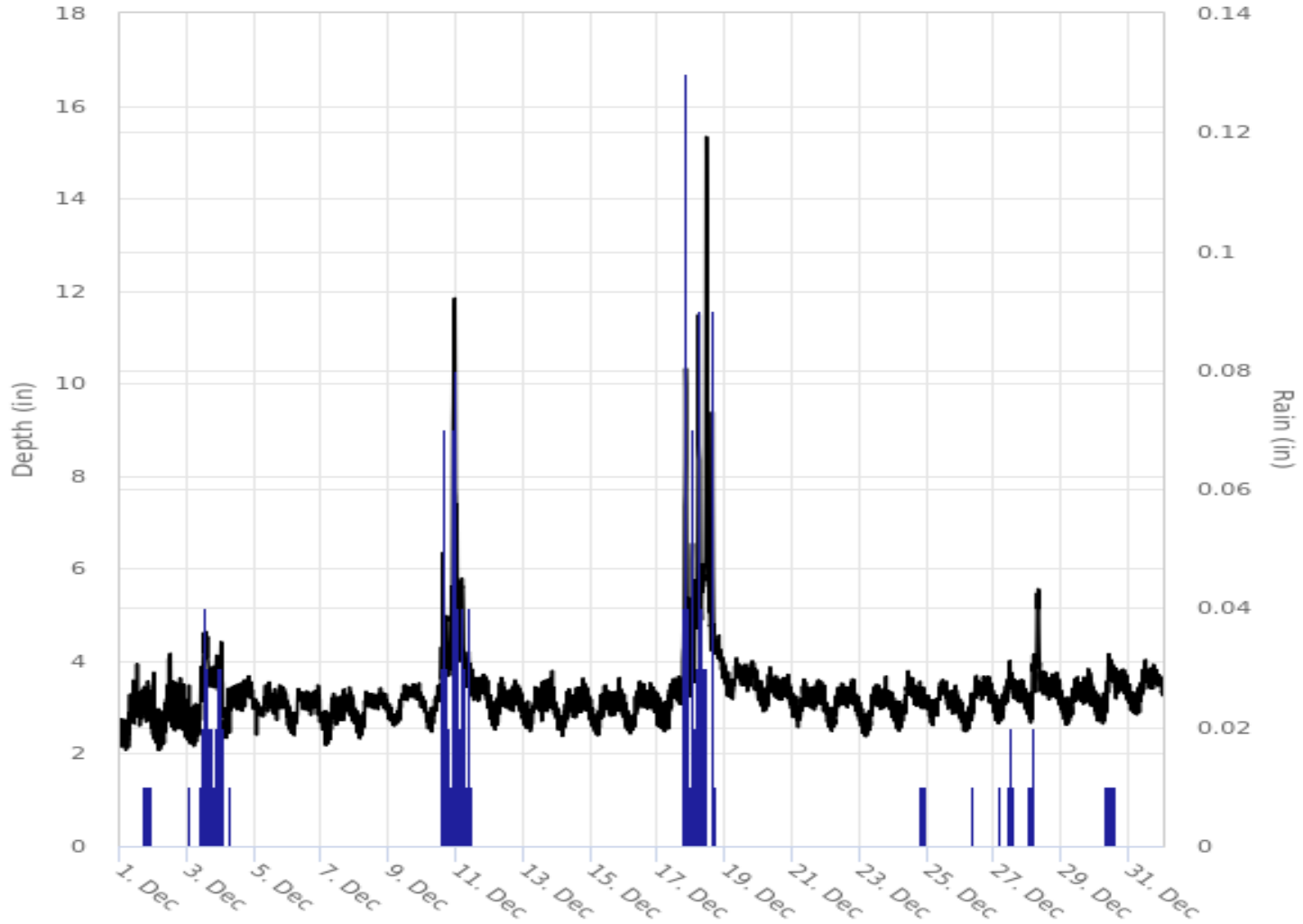
Ave\_A\_CSO

Flow Monitor  
**Ave\_A\_CSO**

Pipe Height  
21.00  
in

Report Period  
12/01/2023  
To  
12/31/2023

Legend  
— DFINAL  
— Rain  
— VFINAL



## Daily Tabular Report

12/01/2023 00:00 - 12/31/2023 23:59

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

Date	Time	DFINAL (in)				Rain (in)
		Min	Time	Max	Avg	Total
12/01/2023	03:10	2.00	09:20	4.64	2.88	0.08
12/02/2023	02:35	2.03	11:20	4.32	2.81	-
12/03/2023	04:40	2.08	13:00	5.00	3.38	0.74
12/04/2023	03:25	2.11	00:05	4.50	3.18	0.04
12/05/2023	01:20	2.07	11:50	4.08	3.10	-
12/06/2023	03:45	2.16	21:00	4.14	3.03	-
12/07/2023	02:55	2.08	15:50	4.23	2.89	-
12/08/2023	02:30	2.12	08:40	4.07	3.01	-
12/09/2023	06:15	2.17	21:25	4.16	3.12	-
12/10/2023	02:30	2.19	22:50	12.24	4.21	1.24
12/11/2023	23:55	2.78	00:10	8.10	3.89	0.55
12/12/2023	03:55	2.39	17:45	4.20	3.05	-
12/13/2023	12:45	2.07	20:15	5.34	3.03	-
12/14/2023	03:35	2.36	17:55	4.30	3.00	-
12/15/2023	03:35	2.30	21:55	4.24	2.96	-
12/16/2023	04:10	2.31	11:40	4.24	2.97	-
12/17/2023	03:15	2.37	19:45	11.44	3.69	0.79
12/18/2023	23:15	3.39	10:15	16.85	5.66	1.16
12/19/2023	23:40	3.07	19:55	4.48	3.58	-
12/20/2023	02:45	2.81	07:45	4.32	3.30	-
12/21/2023	03:45	2.47	17:05	4.12	3.11	-
12/22/2023	03:55	2.45	12:10	4.17	3.03	-
12/23/2023	04:00	2.34	18:35	4.20	2.99	-
12/24/2023	05:05	2.39	13:50	4.37	3.17	0.03
12/25/2023	04:45	2.45	11:05	4.15	3.15	-
12/26/2023	05:15	2.43	16:05	4.37	3.16	0.01
12/27/2023	04:25	2.44	11:55	4.37	3.25	0.10
12/28/2023	00:45	2.61	06:35	6.26	3.56	0.10
12/29/2023	03:45	2.52	15:50	4.39	3.18	-
12/30/2023	05:20	2.62	09:30	4.81	3.39	0.11
12/31/2023	06:00	2.65	14:15	4.66	3.47	-

12/01/2023 00:00 - 12/31/2023 23:59

	DFINAL (in)	Rain (in)
Total		4.95
Average	3.30	

# 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 **Friday, 01 December 2023 to Sunday, 31 December 2023**, along with observed minimum and maximum data, are provided in the following table.

One (1) discharge was recorded during the December metering 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	5.59	4.26	1.418
Min Time	12/31/2023 11:55:00 PM	12/31/2023 11:55:00 PM	12/31/2023 11:55:00 PM
Max Time	12/18/2023 11:35:00 AM	12/18/2023 12:05:00 PM	12/18/2023 12:00:00 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 are based on the five minute average.

Values in the graphical reports are based on the fifteen minutes average.

Values in the tabular report are based on the five minute average.

### DATA UPTIME

Data uptime observed during **Friday, 01 December 2023 to Sunday, 31 December 2023** is provided in the following table:

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

# Hydrograph Report

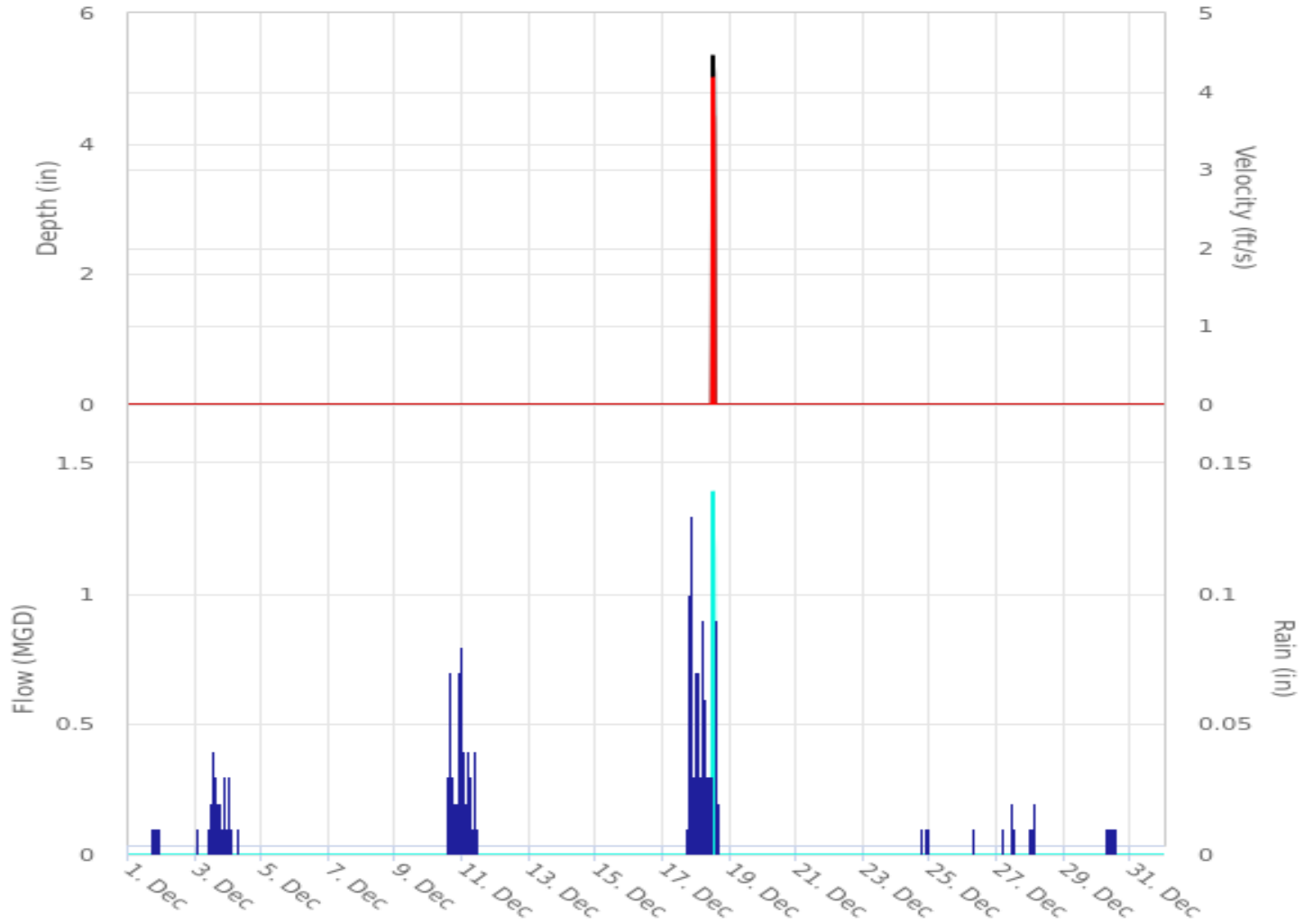
CSO\_ChlorineChamber

**Flow Monitor**  
CSO\_ChlorineChamber

Pipe Height  
24.38  
in

**Report Period**  
12/01/2023  
To  
12/31/2023

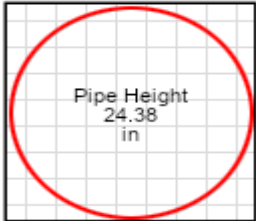
**Legend**  
— DFINAL  
— Rain  
— VFINAL  
— QFINAL



# Scattergraph Report

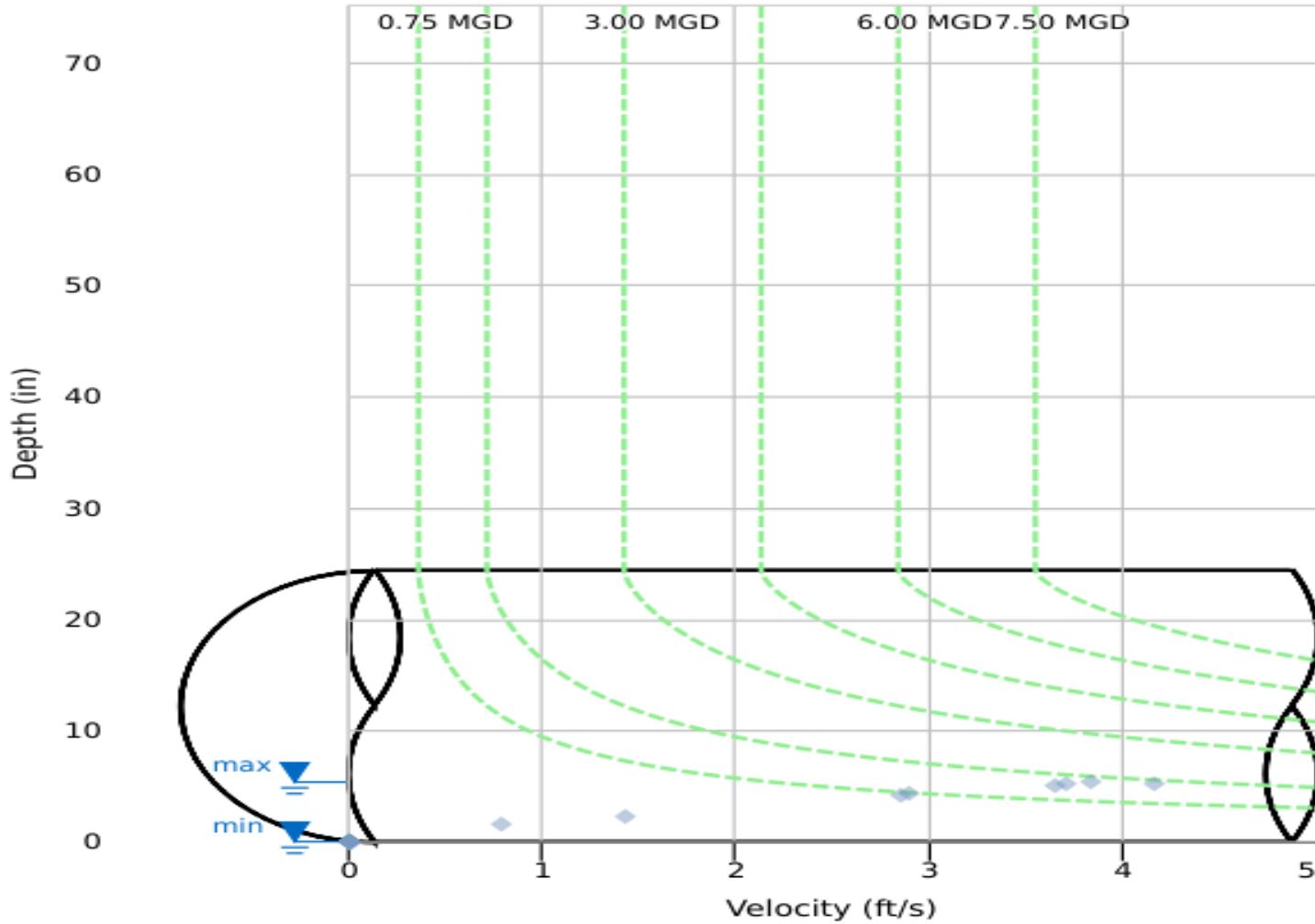
CSO\_ChlorineChamber

Flow Monitor  
CSO\_ChlorineChamber



Report Period  
12/01/2023  
To  
12/31/2023

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



## Daily Tabular Report

12/01/2023 00:00 - 12/31/2023 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 (in)	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
12/01/2023	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	0.08
12/02/2023	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	-
12/03/2023	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	0.74
12/04/2023	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	0.04
12/05/2023	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	-
12/06/2023	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	-
12/07/2023	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	-
12/08/2023	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	-
12/09/2023	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	-
12/10/2023	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	1.24
12/11/2023	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	0.55
12/12/2023	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	-
12/13/2023	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	-
12/14/2023	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	-
12/15/2023	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	-
12/16/2023	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	-
12/17/2023	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	0.79
12/18/2023	00:00	0.00	11:35	5.59	0.35	00:00	0.00	12:05	4.26	0.24	00:00	0.000	12:00	1.418	0.076	0.076	1.16
12/19/2023	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	-
12/20/2023	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	-
12/21/2023	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	-
12/22/2023	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	-
12/23/2023	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	-
12/24/2023	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	0.03
12/25/2023	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	-
12/26/2023	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	0.01
12/27/2023	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	0.10
12/28/2023	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	0.10
12/29/2023	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	-
12/30/2023	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	0.11
12/31/2023	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	-

12/01/2023 00:00 - 12/31/2023 23:59

	DFINAL (in)	VFINAL (ft/s)	QFINAL (MGD - Total MG)	Rain (in)
Total			0.076	4.95
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 **Friday, 01 December 2023 to Sunday, 31 December 2023**, along with observed minimum and maximum data, are provided in the following table.

ONE (1) OVERFLOW RECORDED DURING THE DECEMBER METERING PERIOD

Observed Flow Conditions		
Item	DFINAL (in)	VFINAL (ft/s)
Average	4.15	2.28
Minimum	2.49	0.71
Maximum	43.11	3.32
Min Time	12/31/2023 5:45:00 AM	12/17/2023 8:00:00 PM
Max Time	12/18/2023 11:20:00 AM	12/18/2023 8:25:00 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 are based on the five minute average.

Values in the graphical reports are based on the fifteen minutes average.

Values in the tabular report are based on the five minute average.

### DATA UPTIME

Data uptime observed during **Friday, 01 December 2023 to Sunday, 31 December 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>
W1	701	0:40:00	12/18/23 11:05	12/18/23 11:45	1.16

<b>Total</b>	<b>Gals.</b>	<b>Hrs.</b>	<b>Rain</b>
	701	0:40:00	1.16



# Hydrograph Report

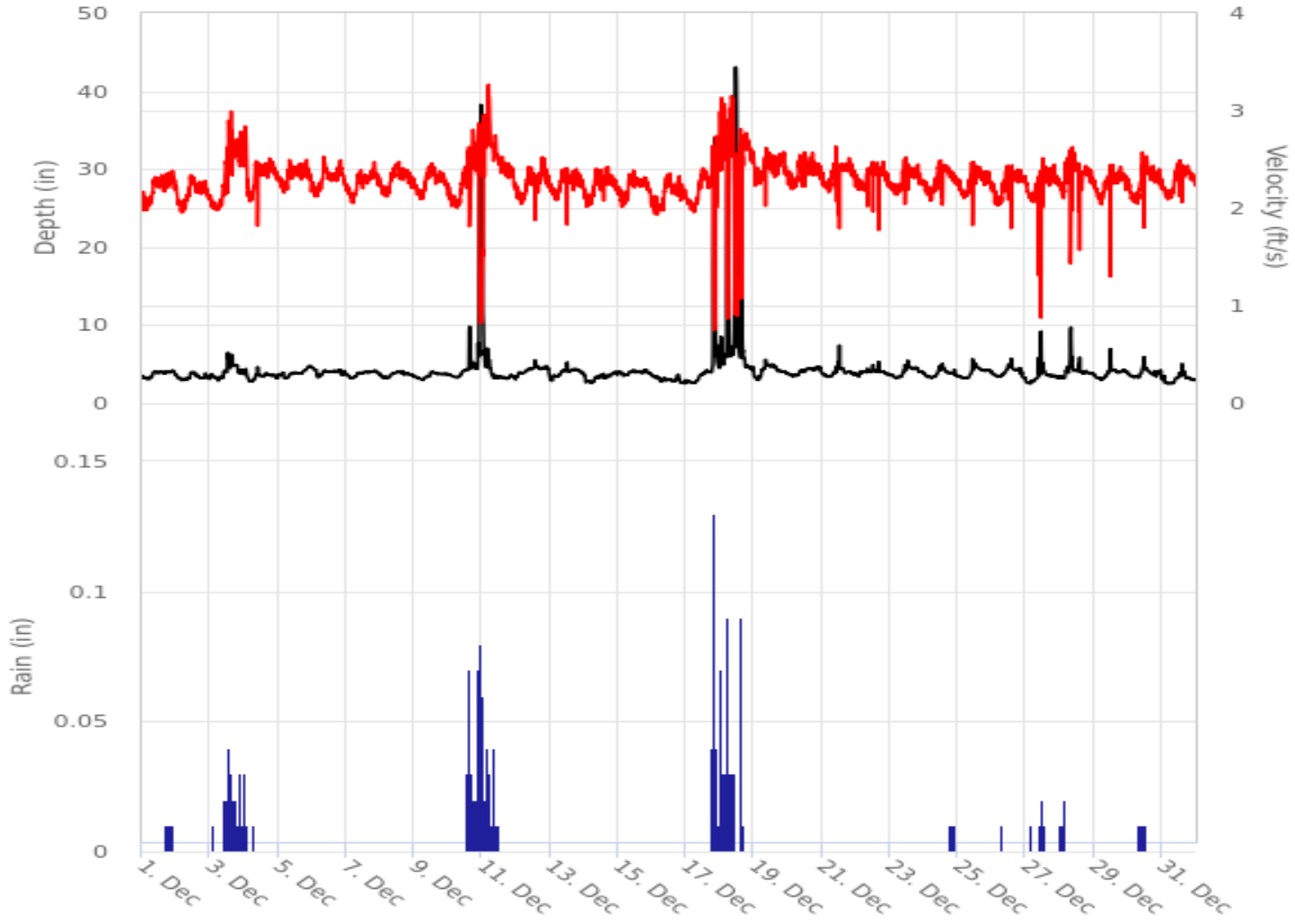
Greenfield\_CSO

Flow Monitor  
**Greenfield\_CSO**

Pipe Height  
36.00  
in

Report Period  
12/01/2023  
To  
12/31/2023

Legend  
— DFINAL  
— Rain  
— VFINAL



# Scattergraph Report

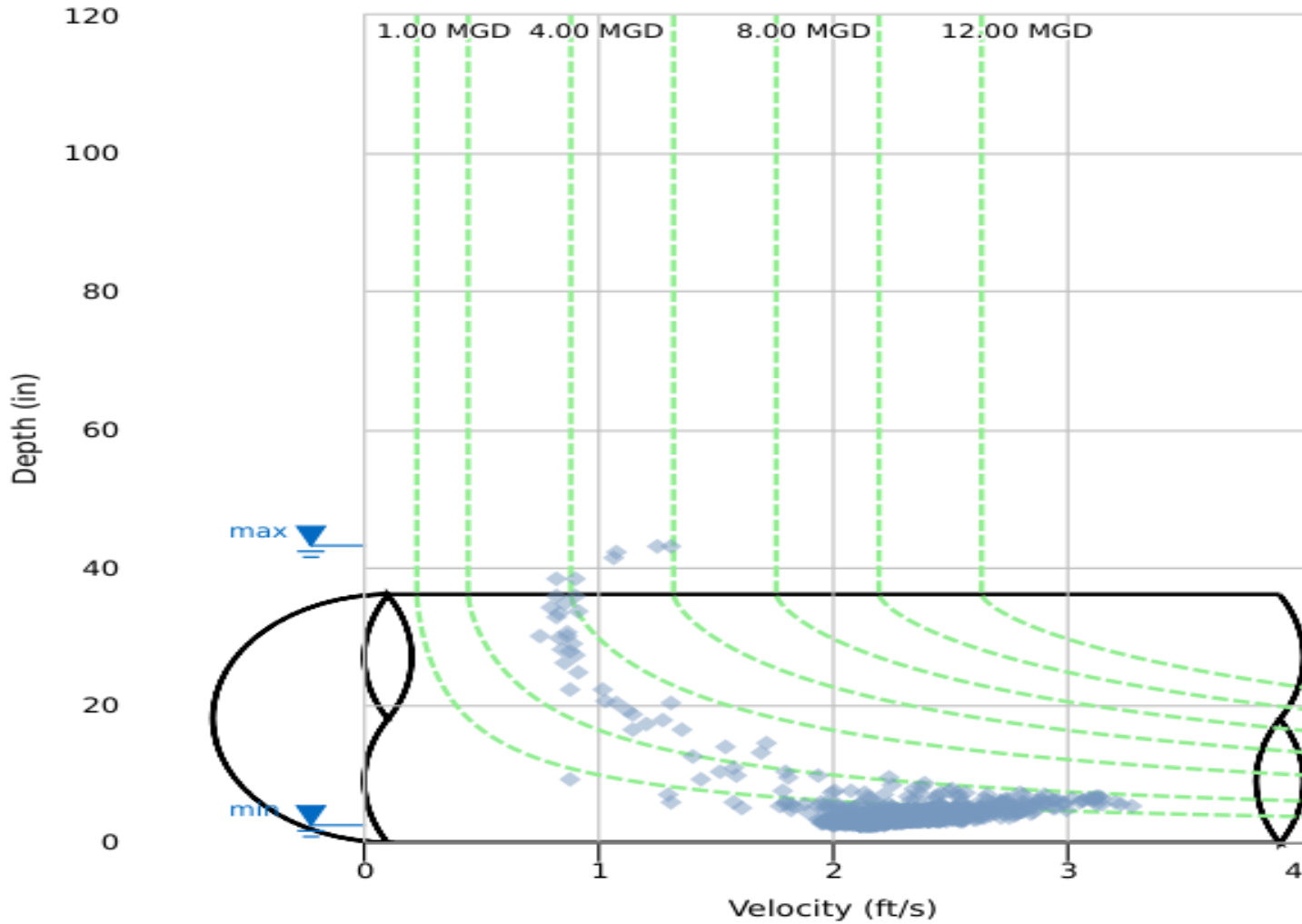
Greenfield\_CS0

Flow Monitor  
**Greenfield\_CS0**

Pipe Height  
36.00  
in

Report Period  
12/01/2023  
To  
12/31/2023

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



## Daily Tabular Report

12/01/2023 00:00 - 12/31/2023 23:59

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

Date	DFINAL (in)					VFINAL (ft/s)					Rain (in)
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total
12/01/2023	04:30	3.02	21:30	4.25	3.74	01:35	1.93	19:55	2.42	2.21	0.08
12/02/2023	04:25	2.87	11:20	4.00	3.35	05:25	1.92	10:30	2.41	2.16	-
12/03/2023	05:55	2.81	15:05	8.34	4.09	12:25	1.37	14:50	3.05	2.36	0.74
12/04/2023	05:35	2.81	09:45	5.88	3.47	09:45	1.33	01:10	2.87	2.36	0.04
12/05/2023	04:50	3.15	22:15	4.81	3.88	23:40	2.06	08:05	2.53	2.34	-
12/06/2023	04:15	3.27	00:10	4.56	3.97	02:05	2.10	08:20	2.57	2.31	-
12/07/2023	02:55	3.02	20:15	4.24	3.76	04:15	2.01	20:10	2.49	2.26	-
12/08/2023	05:40	3.15	15:55	4.13	3.66	05:35	2.08	13:25	2.67	2.30	-
12/09/2023	06:25	3.04	12:55	4.03	3.54	05:25	2.06	11:00	2.49	2.27	-
12/10/2023	07:00	3.29	23:25	38.75	6.55	23:10	0.76	21:50	2.92	2.17	1.24
12/11/2023	23:55	2.99	00:00	30.02	4.47	00:00	0.83	04:45	3.28	2.48	0.55
12/12/2023	00:10	3.25	13:30	6.32	4.26	13:30	1.14	18:50	2.54	2.26	-
12/13/2023	01:50	2.85	12:20	6.75	3.90	12:20	0.94	16:15	2.46	2.25	-
12/14/2023	05:30	2.59	14:00	4.05	3.30	14:00	1.55	11:35	2.47	2.23	-
12/15/2023	04:00	3.44	11:15	4.33	3.92	02:50	1.99	11:10	2.47	2.21	-
12/16/2023	23:05	2.50	18:30	3.67	3.03	02:20	1.91	12:45	2.40	2.15	-
12/17/2023	05:25	2.58	20:25	34.34	5.25	20:00	0.71	21:50	2.80	2.13	0.79
12/18/2023	23:10	4.19	11:20	43.11	10.28	05:25	0.82	08:25	3.32	2.37	1.16
12/19/2023	03:55	2.99	08:25	6.16	4.16	08:25	1.55	08:50	2.65	2.42	-
12/20/2023	03:55	3.36	20:50	4.82	4.06	10:35	1.84	11:50	2.60	2.37	-
12/21/2023	04:55	3.34	12:35	9.40	3.94	12:35	0.78	10:05	2.72	2.34	-
12/22/2023	02:20	3.37	16:20	6.75	3.97	12:20	1.27	19:15	2.58	2.31	-
12/23/2023	04:10	3.21	10:55	6.20	4.00	10:55	1.24	11:35	2.57	2.29	-
12/24/2023	05:35	3.25	13:25	6.64	3.81	13:25	1.22	12:00	2.53	2.29	0.03
12/25/2023	07:10	3.19	10:35	8.10	3.97	10:35	0.95	11:25	2.52	2.27	-
12/26/2023	23:35	3.15	14:00	8.16	3.98	14:00	0.95	14:10	2.50	2.25	0.01
12/27/2023	03:00	2.50	11:00	10.79	3.46	09:20	0.74	13:00	2.66	2.22	0.10
12/28/2023	03:05	3.15	07:55	10.83	4.18	14:25	1.01	08:25	2.81	2.31	0.10
12/29/2023	05:50	3.04	12:10	6.96	3.81	12:00	0.82	11:35	2.47	2.25	-
12/30/2023	08:05	3.25	12:00	6.62	3.85	11:45	1.41	13:35	2.62	2.27	0.11
12/31/2023	05:45	2.49	14:30	5.61	3.13	14:30	1.39	13:15	2.54	2.28	-

12/01/2023 00:00 - 12/31/2023 23:59

	DFINAL (in)	VFINAL (ft/s)	Rain (in)
Total			4.95
Average	4.15	2.28	

# RG1

## Site Commentary

### SITE INFORMATION

### OBSERVATIONS

Values in the graphical reports are based on the fifteen minutes average.

Values in the tabular report are based on the five minute average.

### DATA UPTIME

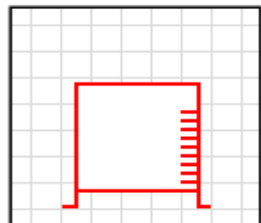
Data uptime observed during **Friday, 01 December 2023 to Sunday, 31 December 2023** is provided in the following table:

Percent Uptime	
RAINFINAL (in)	100

# Hydrograph Report

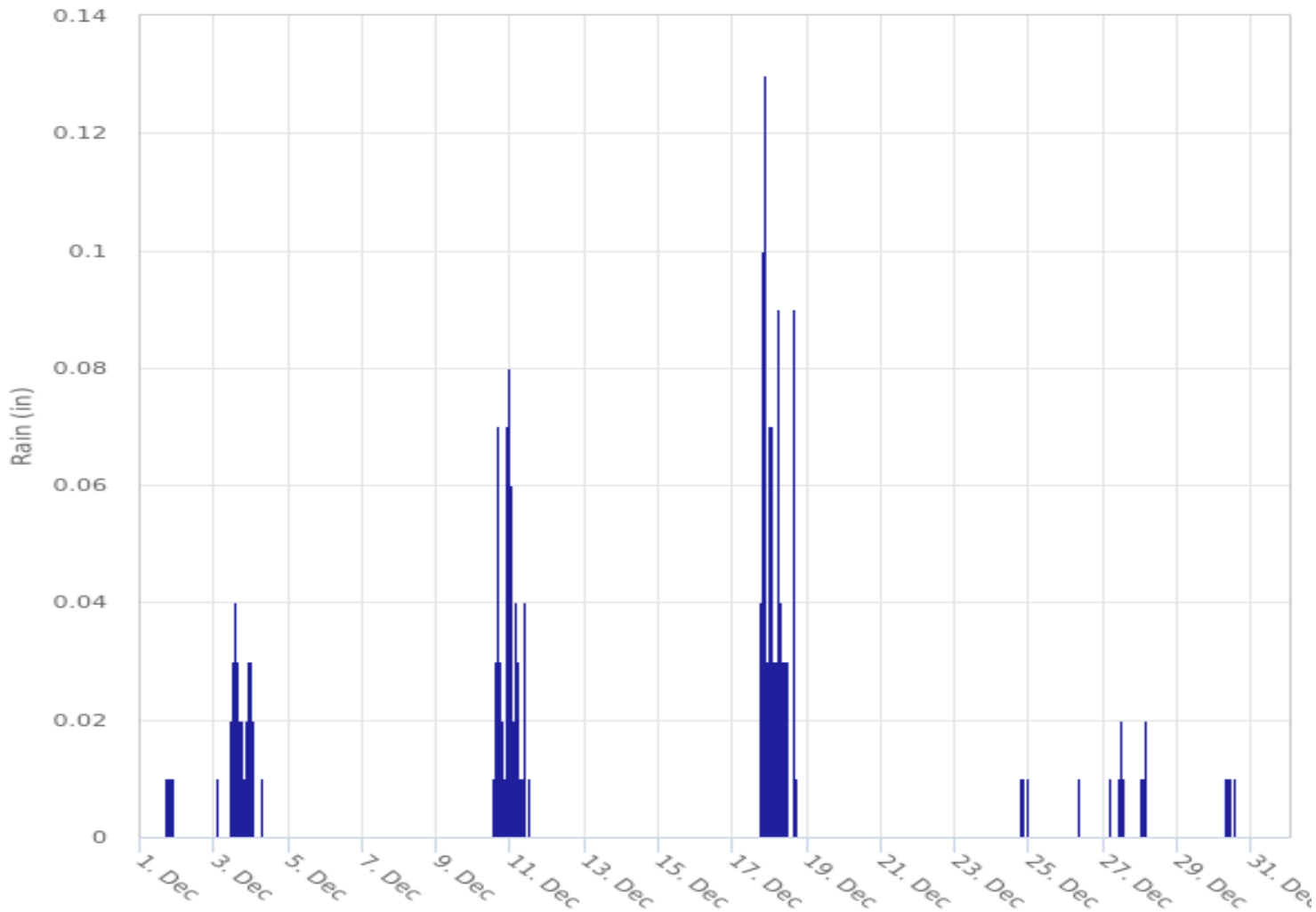
## RG1

Rain Gauge  
**RG1**



Report Period  
12/01/2023  
To  
12/31/2023

Legend  
— DFINAL  
— Rain  
— VFINAL



## Daily Tabular Report

12/01/2023 00:00 - 12/31/2023 23:59

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

Date	Rain (in) Total
12/01/2023	0.08
12/02/2023	-
12/03/2023	0.74
12/04/2023	0.04
12/05/2023	-
12/06/2023	-
12/07/2023	-
12/08/2023	-
12/09/2023	-
12/10/2023	1.24
12/11/2023	0.55
12/12/2023	-
12/13/2023	-
12/14/2023	-
12/15/2023	-
12/16/2023	-
12/17/2023	0.79
12/18/2023	1.16
12/19/2023	-
12/20/2023	-
12/21/2023	-
12/22/2023	-
12/23/2023	-
12/24/2023	0.03
12/25/2023	-
12/26/2023	0.01
12/27/2023	0.10
12/28/2023	0.10
12/29/2023	-
12/30/2023	0.11
12/31/2023	-

12/01/2023 00:00 - 12/31/2023 23:59

	Rain (in)
Total	4.95