

CITY OF ROCHESTER, NEW HAMPSHIRE

EASTERN AVENUE SANITARY SEWER AND SURFACE DRAIN REHABILITATION PROJECT

ADDENDUM NO. 1

.....

To be considered as part of the contract drawings and specifications for the Eastern Avenue Sanitary Sewer and Surface Drain Rehabilitation Project, dated 02/29/2024:

QUESTIONS AND ANSWERS

Q: Will the owner allow steam cure for the alternates 1 and 2 CIPP lining drains and culvert?

A: Steam curing will NOT be allowed as a method to cure for any surface drain and/or culvert.

Q: Please confirm the contractor is allowed to release filtered water removed during the pipe vacuuming process (known as "decant water") into the sanitary or storm system."

- a. If the decant water is to be released to the sanitary system, please confirm the sanitary sewer operator has granted permission.
- b. If the decant water is to be released to the storm system, please provide a copy of the MS4 permit.

A: a. Decant water removed from the sanitary system CAN be discharged back into the sanitary system.

b. Decant water removed from the surface drain system CAN be discharged back into the surface drain system ONLY if the vac truck has been properly disinfected and certified PRIOR to any cleaning operations in the surface drain system. If at any point the truck had been used to clean and vacuum from a sanitary sewer system, the truck will need to undergo a disinfecting procedure and be certified PRIOR to engaging in any cleaning operations in the surface drain. The contractor will be allowed to discharge surface drain decant water into the sanitary sewer system, if necessary.

Q: Please confirm that the water introduced for the pipe jetting process is allowed to remain in the storm system.

A: This is acceptable provided the water used to clean the pipes is taken from an approved hydrant. The approved hydrants are located at the Rochester Department of Public Works (209 Chestnut Hill Road) and the bulk station at 117 Washington Street.

Q: Are there any well water areas, wetland areas, ground water or other sensitive environments proximate to the work area? If so, are there specific controls required to protect these areas such as "pre-liners"?

A: If significant infiltration is present in a line and could cause potential washout of the impregnated liner prior to curing, the contractor shall use grout or a pre-liner to stop

infiltration sources if required to install the cured-in-place pipe. Infiltration source control prior to installation of cured-in-place pipe shall not be measured separately for payment.

The Bidding Contractor may become familiar with the area using best available resource data such as NH GRANIT, National Wetlands Inventory, NHDES Onestop, and Rochester GIS. Links provided below.

1. https://granitview.unh.edu/html5viewer/index.html?viewer=granit_view
2. <https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper>
3. <https://www.des.nh.gov/onestop-navigation>
4. <https://rochestergis.maps.arcgis.com/apps/webappviewer/index.html?id=23ced97e2a184edc86e06ffd3962e5dc>

Q: Can you please provide a plan holders list?

A: Plan holders list can be found digitally with the contract documents. <https://www.accentblueprints.com/jobs/1202/plan-holders/rochester-nh-24-27-eastern-avenue-sanitary-sewer-and-surface-drain-rehabilitation-project>

It is also included (as of 9:00 AM on 3/11/2024) in Attachment B: Plan Holders List.

The contract documents can be found at the following locations:

Accent Printing, Inc., 99 Chelmsford Road, North Billerica, Massachusetts
<https://www.accentblueprints.com/jobs/1202/details/rochester-nh-24-27-eastern-avenue-sanitary-sewer-and-surface-drain-rehabilitation-project>

Q: Does the city have video's and reports that we can review?

A: The CCTV Inspection Reports can be found under "Appendices A&B – TV and MH Logs" on the Accent Printing website below:

<https://www.accentblueprints.com/jobs/1202/specs/rochester-nh-24-27-eastern-avenue-sanitary-sewer-and-surface-drain-rehabilitation-project>

The CCTV inspection videos are available to view online upon request to the engineer.

Q: Do you have any data for the flows that MH 180 will receive from pump station?

A: Available flow data is attached and can be found in Attachment A.

Q: Does the City of Rochester have a place to accept any sewer and storm grit?

A: Sanitary and storm grit can be dumped at the Wastewater Treatment Facility located at 245 Pickering Road between 7AM and 2PM.

Q: When do you expect the project to start?

A: Anticipated construction start date is approximately 1-2 months after the bid opening date of March 21, 2024 to allow adequate time to review submittals prior to construction.

Q: Has the city by-passed the pump station before? Interested in what they used for septic trucks. Can this work be completed at night when flows are down?

A: The city has used septic trucks in the past to repair a section of pipe that collapsed downstream of SMH0180. The City used (3) septic trucks at the Front Street PS, (1) at the Salmon Falls Road PS, and (1) at Tara Estates PS. All of these trucks discharged to SMH0303 on Eastern Avenue. The contractor will need to determine the appropriate number of septic trucks needed, accounting for peak flows, travel time from the pump stations to the discharge site, discharge time at the discharge site, and commute back to the pump station.

Any septic truck hauler used by the contractor must be licensed in New Hampshire.

Septic trucks will need to be used for the Highland Street CIPP installation. No bypass equipment, including but not limited to hoses or piping, will be allowed to impact traffic in any way or cross any lane of traffic on Highland Street.

Q: By-pass specification states about setting up a system that can handle dry and wet weather flow. Can we set up a by-pass system for dry weather flows with no forecasted rain event?

A: No. The bypass system must be able to handle dry and wet weather flows. The bypass system shall have a sufficient capacity to handle 125% of full pipe capacity flow for the pipeline section to be bypassed and shall provide and maintain sufficient flow at all times to prevent any backwater flooding due to obstructions caused by the construction.

Q: Does the city have a yard for parking equipment?

A: The city has space at the DPW facility that the contractor can store equipment, however space is limited. At no point shall the contractor's vehicles and/or equipment block parking spaces of city personnel, block roadways to/from the facility, or take up space in such a way it impedes the day-to-day activities of city personnel. If the limited space is not large enough for the contractor's equipment without effecting the day-to-day activities of city personnel, the contractor will need to make other arrangements.

Q: Section 01140-5 calls out for payment for inspection that will go over the 7AM to 5PM time frame. If this is going to be enforced what would the per hour cost be?

A: This will only be enforced under emergency circumstances. The contractor is expected to be off the roadway by 5pm each night.

Q: Can we work at nights if this the best time frame to complete the lining work on Eastern Ave?

A: Night work for lining on Eastern Ave will not be allowed. The contractor is expected to be off the road by 5PM each night.

Q: Does the city have local contractors list for the excavation work?

A: No. Bidders are expected to coordinate subcontractors on their own.

Q: Does the above-referenced project have a wage scale associated with it?

A: No, there is no wage scale or prevailing wage scale on this project.

ATTACHMENTS

ATTACHMENT A

FLOW DATA FOR FRONT STREET PS, SALMON FALLS RD PS, &
TARA ESTATES PS

ATTACHMENT B

PLAN HOLDERS LIST (as of 3/11/2024)

END OF ADDENDUM NO. 1

ATTACHMENT A

FLOW DATA FOR FRONT STREET PS, SALMON FALLS RD PS, &
TARA ESTATES PS

Summary Flow Report

Site: **Tara Estates**

23

Salmon Falls Road at Watson Drive

Rochester, NH



8" Palmer-Bowlus flume in a 10" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
5/1/2021 (Sat)	0.036	0.432	0.135	0.00	0.00	0.00
5/2/2021 (Sun)	0.036	0.465	0.133	0.00	0.00	0.00
5/3/2021 (Mon)	0.034	0.385	0.127	0.00	0.00	0.00
5/4/2021 (Tue)	0.030	0.384	0.120	0.07	0.04	0.01
5/5/2021 (Wed)	0.030	0.434	0.135	0.82	0.20	0.02
5/6/2021 (Thu)	0.043	0.402	0.149	0.00	0.00	0.00
5/7/2021 (Fri)	0.041	0.422	0.143	0.00	0.00	0.00
5/8/2021 (Sat)	0.041	0.457	0.144	0.00	0.00	0.00
5/9/2021 (Sun)	0.035	0.427	0.132	0.00	0.00	0.00
5/10/2021 (Mon)	0.031	0.392	0.114	0.03	0.03	0.01
5/11/2021 (Tue)	0.029	0.522	0.124	0.00	0.00	0.00
5/12/2021 (Wed)	0.029	0.435	0.117	0.00	0.00	0.00
5/13/2021 (Thu)	0.024	0.440	0.105	0.00	0.00	0.00
5/14/2021 (Fri)	0.024	0.446	0.099	0.00	0.00	0.00
5/15/2021 (Sat)	0.021	0.454	0.105	0.00	0.00	0.00
5/16/2021 (Sun)	0.021	0.389	0.106	0.00	0.00	0.00
5/17/2021 (Mon)	0.020	0.450	0.099	0.00	0.00	0.00
5/18/2021 (Tue)	0.018	0.389	0.089	0.00	0.00	0.00
5/19/2021 (Wed)	0.019	0.354	0.094	0.00	0.00	0.00
5/20/2021 (Thu)	0.017	0.421	0.096	0.00	0.00	0.00
5/21/2021 (Fri)	0.017	0.343	0.086	0.02	0.02	0.01
5/22/2021 (Sat)	0.016	0.425	0.087	0.00	0.00	0.00
5/23/2021 (Sun)	0.016	0.465	0.090	0.00	0.00	0.00
5/24/2021 (Mon)	0.015	0.478	0.090	0.00	0.00	0.00
5/25/2021 (Tue)	0.016	0.319	0.078	0.00	0.00	0.00
5/26/2021 (Wed)	0.013	0.336	0.074	0.30	0.30	0.11
5/27/2021 (Thu)	0.014	0.431	0.085	0.00	0.00	0.00
5/28/2021 (Fri)	0.013	0.452	0.071	0.48	0.12	0.01
5/29/2021 (Sat)	0.015	0.446	0.080	0.43	0.13	0.03
5/30/2021 (Sun)	0.015	0.485	0.091	0.78	0.11	0.02
5/31/2021 (Mon)	0.019	0.436	0.108	0.17	0.08	0.04
Total for period			3.307	3.10		
		Min:	0.013			
		Avg:	0.107			
		Max:	0.522			

Flow Analysis Graph

Site: **Tara Estates**
23

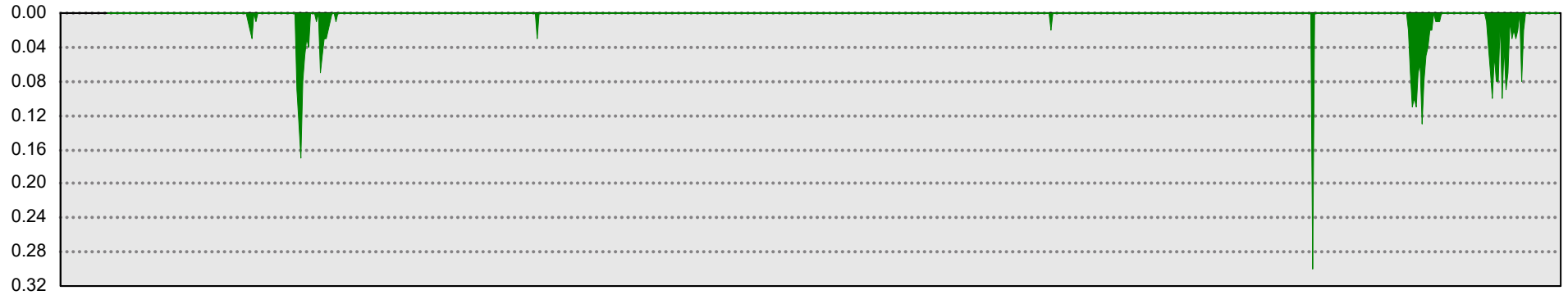
Salmon Falls Road at Watson Drive

Rochester, NH

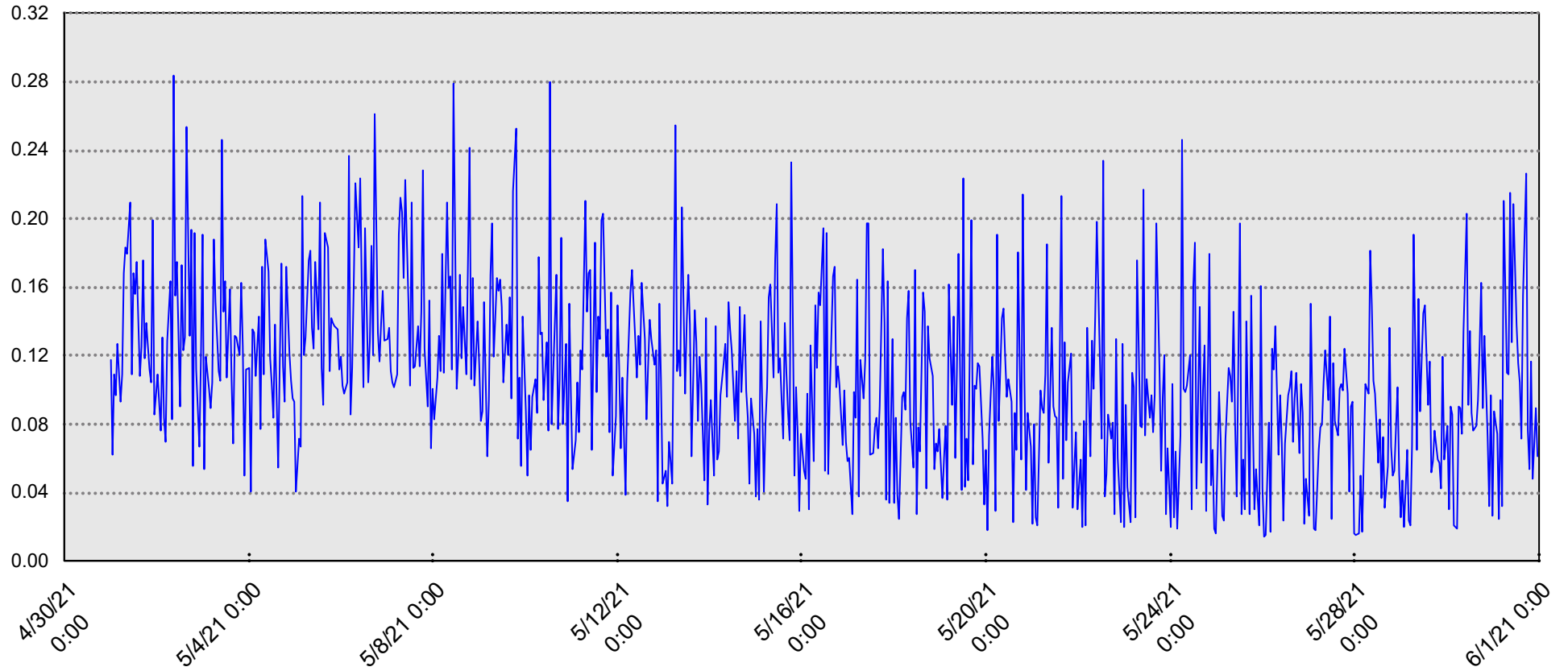


8" Palmer-Bowlus flume in a 10" line

Rain (in) Printed on: 8/25/2021 Period Covered: 05/01/2021 - 06/01/2021 Every 1 Hour



Flow (mgd)



Summary Flow Report



Site:

11
235 Salmon Falls Road

Rochester, NH

8" Palmer-Bowlus flume in a 10" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
5/1/2021 (Sat)	0.010	0.111	0.039	0.00	0.00	0.00
5/2/2021 (Sun)	0.009	0.112	0.038	0.00	0.00	0.00
5/3/2021 (Mon)	0.008	0.110	0.034	0.00	0.00	0.00
5/4/2021 (Tue)	0.008	0.118	0.031	0.07	0.04	0.01
5/5/2021 (Wed)	0.007	0.131	0.040	0.82	0.20	0.02
5/6/2021 (Thu)	0.013	0.139	0.040	0.00	0.00	0.00
5/7/2021 (Fri)	0.009	0.091	0.035	0.00	0.00	0.00
5/8/2021 (Sat)	0.008	0.109	0.034	0.00	0.00	0.00
5/9/2021 (Sun)	0.008	0.120	0.035	0.00	0.00	0.00
5/10/2021 (Mon)	0.008	0.113	0.033	0.03	0.03	0.01
5/11/2021 (Tue)	0.007	0.079	0.030	0.00	0.00	0.00
5/12/2021 (Wed)	0.007	0.104	0.030	0.00	0.00	0.00
5/13/2021 (Thu)	0.006	0.095	0.028	0.00	0.00	0.00
5/14/2021 (Fri)	0.006	0.084	0.029	0.00	0.00	0.00
5/15/2021 (Sat)	0.005	0.097	0.030	0.00	0.00	0.00
5/16/2021 (Sun)	0.005	0.107	0.033	0.00	0.00	0.00
5/17/2021 (Mon)	0.007	0.106	0.029	0.00	0.00	0.00
5/18/2021 (Tue)	0.004	0.094	0.030	0.00	0.00	0.00
5/19/2021 (Wed)	0.004	0.117	0.027	0.00	0.00	0.00
5/20/2021 (Thu)	0.004	0.100	0.026	0.00	0.00	0.00
5/21/2021 (Fri)	0.004	0.087	0.027	0.02	0.02	0.01
5/22/2021 (Sat)	0.004	0.065	0.027	0.00	0.00	0.00
5/23/2021 (Sun)	0.004	0.101	0.030	0.00	0.00	0.00
5/24/2021 (Mon)	0.003	0.077	0.026	0.00	0.00	0.00
5/25/2021 (Tue)	0.004	0.116	0.028	0.00	0.00	0.00
5/26/2021 (Wed)	0.004	0.086	0.024	0.30	0.30	0.11
5/27/2021 (Thu)	0.003	0.086	0.024	0.00	0.00	0.00
5/28/2021 (Fri)	0.003	0.070	0.023	0.48	0.12	0.01
5/29/2021 (Sat)	0.005	0.087	0.028	0.43	0.13	0.03
5/30/2021 (Sun)	0.004	0.106	0.031	0.78	0.11	0.02
5/31/2021 (Mon)	0.006	0.119	0.036	0.17	0.08	0.04
Total for period			0.956	3.10		
	Min:		0.003			
	Avg:		0.031			
	Max:		0.139			

Flow Analysis Graph

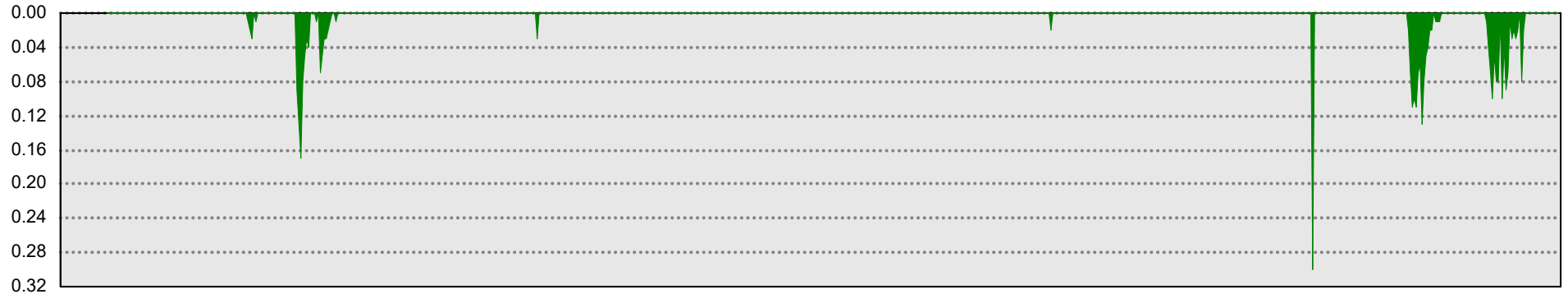
Site:
11
235 Salmon Falls Road

Rochester, NH

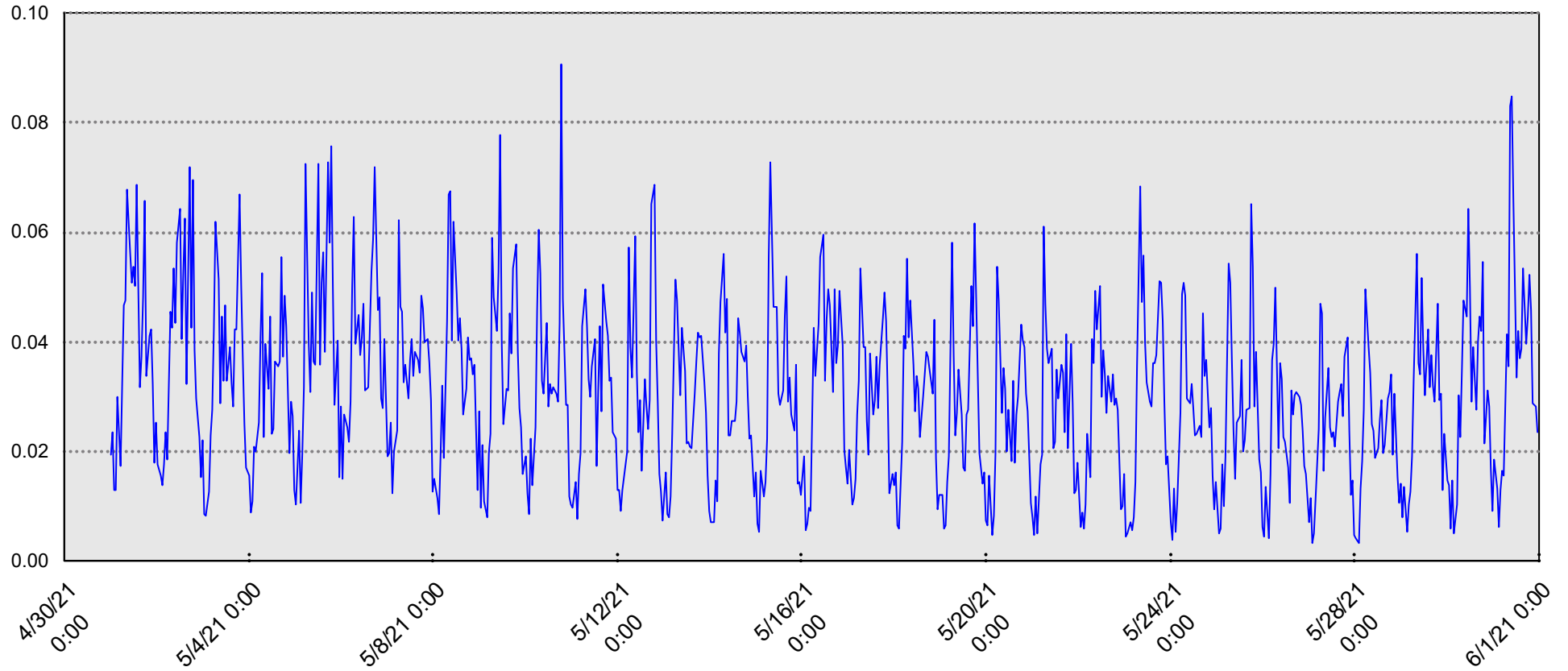


8" Palmer-Bowlus flume in a 10" line

Rain (in) Printed on: 8/25/2021 Period Covered: 05/01/2021 - 06/01/2021 Every 1 Hour



Flow (mgd)



Summary Flow Report



Site:

12
Front Street PS

Rochester, NH

18" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
5/1/2021 (Sat)	0.161	0.707	0.338	0.00	0.00	0.00
5/2/2021 (Sun)	0.197	0.507	0.287	0.00	0.00	0.00
5/3/2021 (Mon)	0.173	0.395	0.257	0.00	0.00	0.00
5/4/2021 (Tue)	0.182	0.488	0.256	0.07	0.04	0.01
5/5/2021 (Wed)	0.178	0.618	0.304	0.82	0.20	0.02
5/6/2021 (Thu)	0.218	0.746	0.472	0.00	0.00	0.00
5/7/2021 (Fri)	0.234	0.707	0.398	0.00	0.00	0.00
5/8/2021 (Sat)	0.228	0.648	0.346	0.00	0.00	0.00
5/9/2021 (Sun)	0.177	0.394	0.269	0.00	0.00	0.00
5/10/2021 (Mon)	0.149	0.533	0.282	0.03	0.03	0.01
5/11/2021 (Tue)	0.159	0.509	0.245	0.00	0.00	0.00
5/12/2021 (Wed)	0.138	0.338	0.213	0.00	0.00	0.00
5/13/2021 (Thu)	0.123	0.558	0.195	0.00	0.00	0.00
5/14/2021 (Fri)	0.101	0.507	0.172	0.00	0.00	0.00
5/15/2021 (Sat)	0.086	0.357	0.157	0.00	0.00	0.00
5/16/2021 (Sun)	0.074	0.322	0.153	0.00	0.00	0.00
5/17/2021 (Mon)	0.075	0.309	0.153	0.00	0.00	0.00
5/18/2021 (Tue)	0.063	0.398	0.156	0.00	0.00	0.00
5/19/2021 (Wed)	0.052	0.529	0.170	0.00	0.00	0.00
5/20/2021 (Thu)	0.043	0.534	0.169	0.00	0.00	0.00
5/21/2021 (Fri)	0.051	0.417	0.157	0.02	0.02	0.01
5/22/2021 (Sat)	0.074	0.409	0.168	0.00	0.00	0.00
5/23/2021 (Sun)	0.065	0.444	0.174	0.00	0.00	0.00
5/24/2021 (Mon)	0.062	0.684	0.182	0.00	0.00	0.00
5/25/2021 (Tue)	0.121	0.594	0.193	0.00	0.00	0.00
5/26/2021 (Wed)	0.106	0.427	0.183	0.30	0.30	0.11
5/27/2021 (Thu)	0.095	0.498	0.166	0.00	0.00	0.00
5/28/2021 (Fri)	0.077	0.473	0.148	0.48	0.12	0.01
5/29/2021 (Sat)	0.062	0.368	0.147	0.43	0.13	0.03
5/30/2021 (Sun)	0.063	0.303	0.136	0.78	0.11	0.02
5/31/2021 (Mon)	0.087	0.506	0.206	0.17	0.08	0.04
Total for period			6.853	3.10		
	Min:		0.043			
	Avg:		0.221			
	Max:		0.746			

Flow Analysis Graph

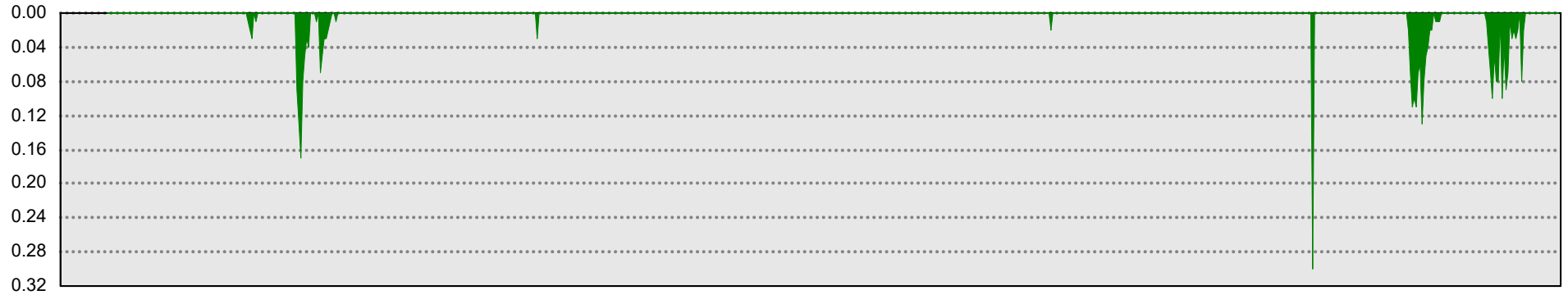
Site:
12
Front Street PS

Rochester, NH

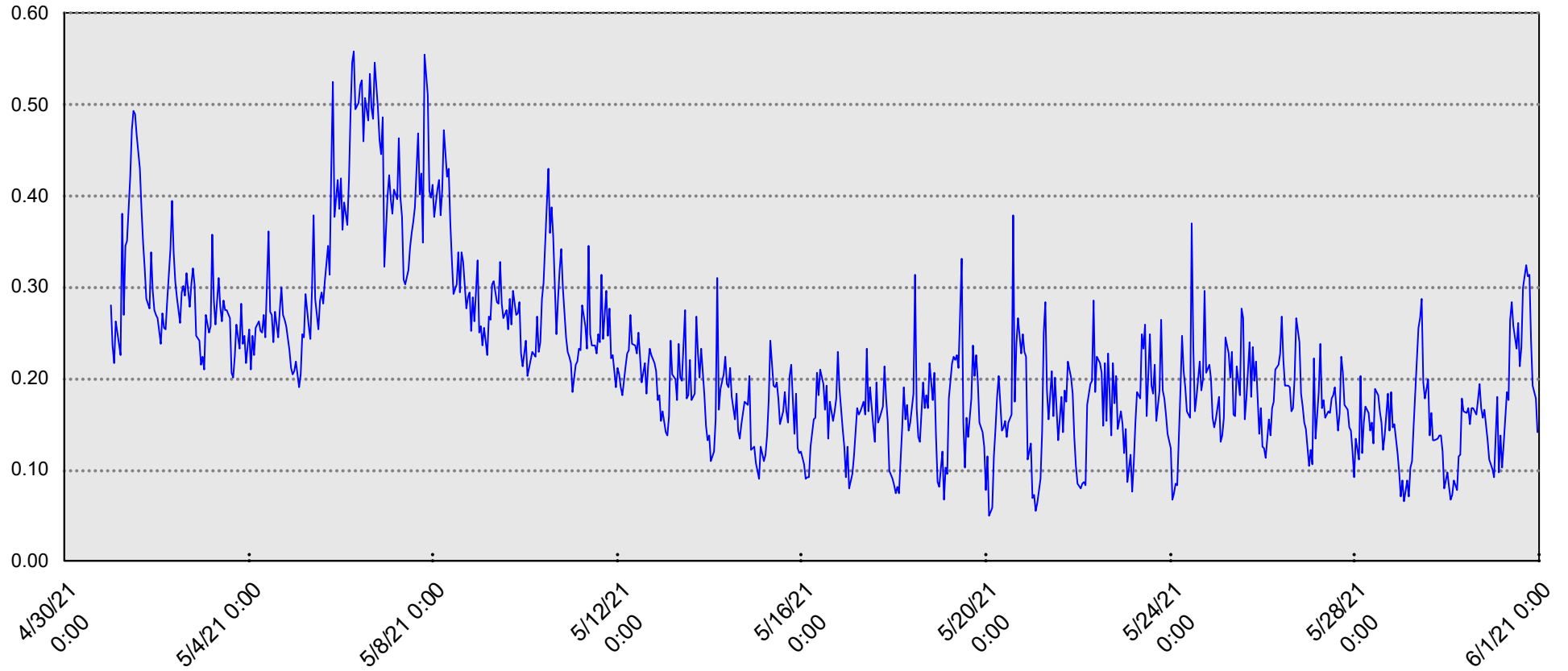


18" Circular line

Rain (in) Printed on: 8/25/2021 Period Covered: 05/01/2021 - 06/01/2021 Every 1 Hour



Flow (mgd)



Summary Flow Report



Site:

13
34 Eastern Avenue

Rochester, NH

18" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
5/1/2021 (Sat)	0.344	1.398	0.700	0.00	0.00	0.00
5/2/2021 (Sun)	0.355	1.192	0.697	0.00	0.00	0.00
5/3/2021 (Mon)	0.312	1.200	0.633	0.00	0.00	0.00
5/4/2021 (Tue)	0.285	1.068	0.611	0.07	0.04	0.01
5/5/2021 (Wed)	0.265	1.255	0.703	0.82	0.20	0.02
5/6/2021 (Thu)	0.385	1.176	0.755	0.00	0.00	0.00
5/7/2021 (Fri)	0.360	1.152	0.713	0.00	0.00	0.00
5/8/2021 (Sat)	0.332	1.197	0.684	0.00	0.00	0.00
5/9/2021 (Sun)	0.312	1.193	0.655	0.00	0.00	0.00
5/10/2021 (Mon)	0.291	1.138	0.614	0.03	0.03	0.01
5/11/2021 (Tue)	0.282	1.171	0.587	0.00	0.00	0.00
5/12/2021 (Wed)	0.254	1.088	0.550	0.00	0.00	0.00
5/13/2021 (Thu)	0.222	1.049	0.548	0.00	0.00	0.00
5/14/2021 (Fri)	0.181	1.163	0.531	0.00	0.00	0.00
5/15/2021 (Sat)	0.223	1.078	0.521	0.00	0.00	0.00
5/16/2021 (Sun)	0.199	1.083	0.512	0.00	0.00	0.00
5/17/2021 (Mon)	0.210	0.996	0.487	0.00	0.00	0.00
5/18/2021 (Tue)	0.179	0.974	0.462	0.00	0.00	0.00
5/19/2021 (Wed)	0.166	0.948	0.420	0.00	0.00	0.00
5/20/2021 (Thu)	0.148	0.930	0.411	0.00	0.00	0.00
5/21/2021 (Fri)	0.150	0.853	0.400	0.02	0.02	0.01
5/22/2021 (Sat)	0.154	0.888	0.401	0.00	0.00	0.00
5/23/2021 (Sun)	0.149	0.948	0.402	0.00	0.00	0.00
5/24/2021 (Mon)	0.126	0.915	0.366	0.00	0.00	0.00
5/25/2021 (Tue)	0.127	0.857	0.360	0.00	0.00	0.00
5/26/2021 (Wed)	0.114	0.807	0.354	0.30	0.30	0.11
5/27/2021 (Thu)	0.140	0.938	0.360	0.00	0.00	0.00
5/28/2021 (Fri)	0.105	0.801	0.343	0.48	0.12	0.01
5/29/2021 (Sat)	0.140	0.900	0.389	0.43	0.13	0.03
5/30/2021 (Sun)	0.151	0.896	0.398	0.78	0.11	0.02
5/31/2021 (Mon)	0.197	1.247	0.507	0.17	0.08	0.04
Total for period			16.073	3.10		
	Min:	0.105				
	Avg:	0.518				
	Max:	1.398				

Flow Analysis Graph

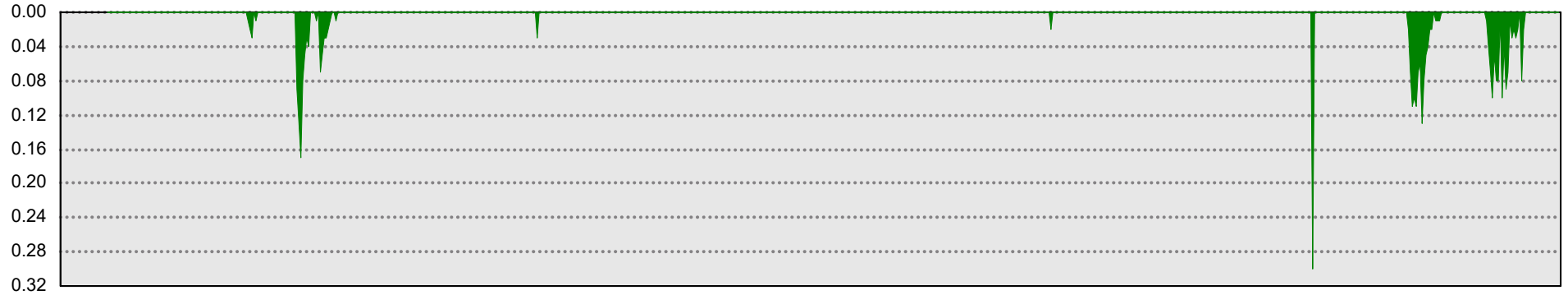
Site:
13
34 Eastern Avenue

Rochester, NH

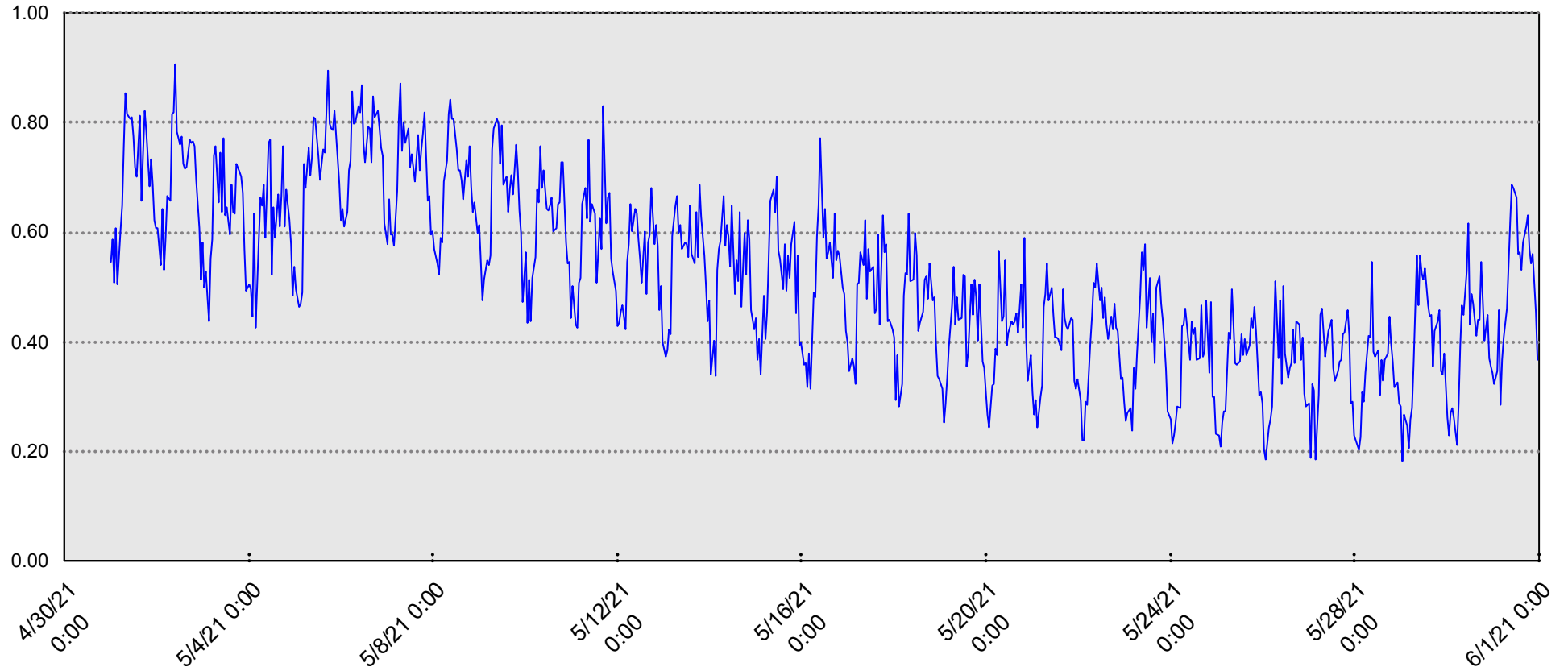


18" Circular line

Rain (in) Printed on: 8/25/2021 Period Covered: 05/01/2021 - 06/01/2021 Every 1 Hour



Flow (mgd)



Summary Flow Report



Site: **Tara Estates**
23

Salmon Falls Road at Watson Drive

Rochester, NH

8" Palmer-Bowlus flume in a 10" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
6/1/2021 (Tue)	0.023	0.499	0.107	0.00	0.00	0.00
6/2/2021 (Wed)	0.022	0.404	0.095	0.00	0.00	0.00
6/3/2021 (Thu)	0.021	0.497	0.099	0.00	0.00	0.00
6/4/2021 (Fri)	0.020	0.434	0.100	0.01	0.01	0.01
6/5/2021 (Sat)	0.018	0.364	0.092	0.00	0.00	0.00
6/6/2021 (Sun)	0.017	0.397	0.090	0.00	0.00	0.00
6/7/2021 (Mon)	0.017	0.539	0.094	0.00	0.00	0.00
6/8/2021 (Tue)	0.016	0.361	0.086	0.15	0.10	0.03
6/9/2021 (Wed)	0.017	0.358	0.092	0.02	0.02	0.01
6/10/2021 (Thu)	0.016	0.462	0.086	0.00	0.00	0.00
6/11/2021 (Fri)	0.014	0.461	0.074	0.00	0.00	0.00
6/12/2021 (Sat)	0.014	0.469	0.074	0.00	0.00	0.00
6/13/2021 (Sun)	0.013	0.560	0.075	0.00	0.00	0.00
6/14/2021 (Mon)	0.011	0.464	0.077	0.26	0.15	0.02
6/15/2021 (Tue)	0.011	0.386	0.065	0.24	0.17	0.14
6/16/2021 (Wed)	0.011	0.370	0.063	0.00	0.00	0.00
6/17/2021 (Thu)	0.009	0.472	0.067	0.00	0.00	0.00
6/18/2021 (Fri)	0.010	0.368	0.066	0.00	0.00	0.00
6/19/2021 (Sat)	0.009	0.357	0.067	0.00	0.00	0.00
6/20/2021 (Sun)	0.009	0.359	0.065	0.00	0.00	0.00
6/21/2021 (Mon)	0.009	0.521	0.070	0.00	0.00	0.00
6/22/2021 (Tue)	0.009	0.308	0.059	0.21	0.06	0.02
6/23/2021 (Wed)	0.008	0.386	0.065	0.00	0.00	0.00
6/24/2021 (Thu)	0.008	0.572	0.062	0.00	0.00	0.00
6/25/2021 (Fri)	0.009	0.514	0.060	0.01	0.01	0.01
6/26/2021 (Sat)	0.008	0.373	0.063	0.00	0.00	0.00
6/27/2021 (Sun)	0.009	0.358	0.059	0.00	0.00	0.00
6/28/2021 (Mon)	0.008	0.371	0.048	0.00	0.00	0.00
6/29/2021 (Tue)	0.007	0.276	0.051	0.00	0.00	0.00
6/30/2021 (Wed)	0.008	0.355	0.060	0.02	0.01	0.01
Total for period			2.229	0.92		
		Min:	0.007			
		Avg:	0.074			
		Max:	0.572			

Flow Analysis Graph

Site: **Tara Estates**
23

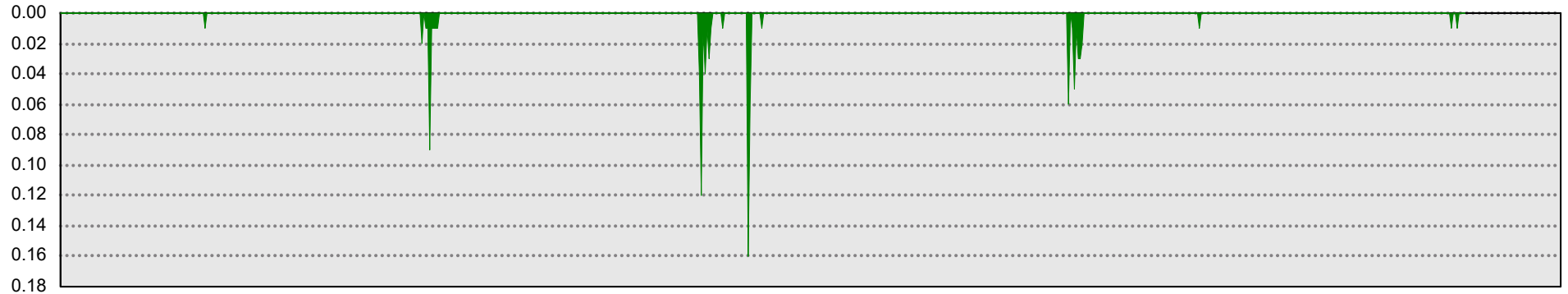
Salmon Falls Road at Watson Drive

Rochester, NH

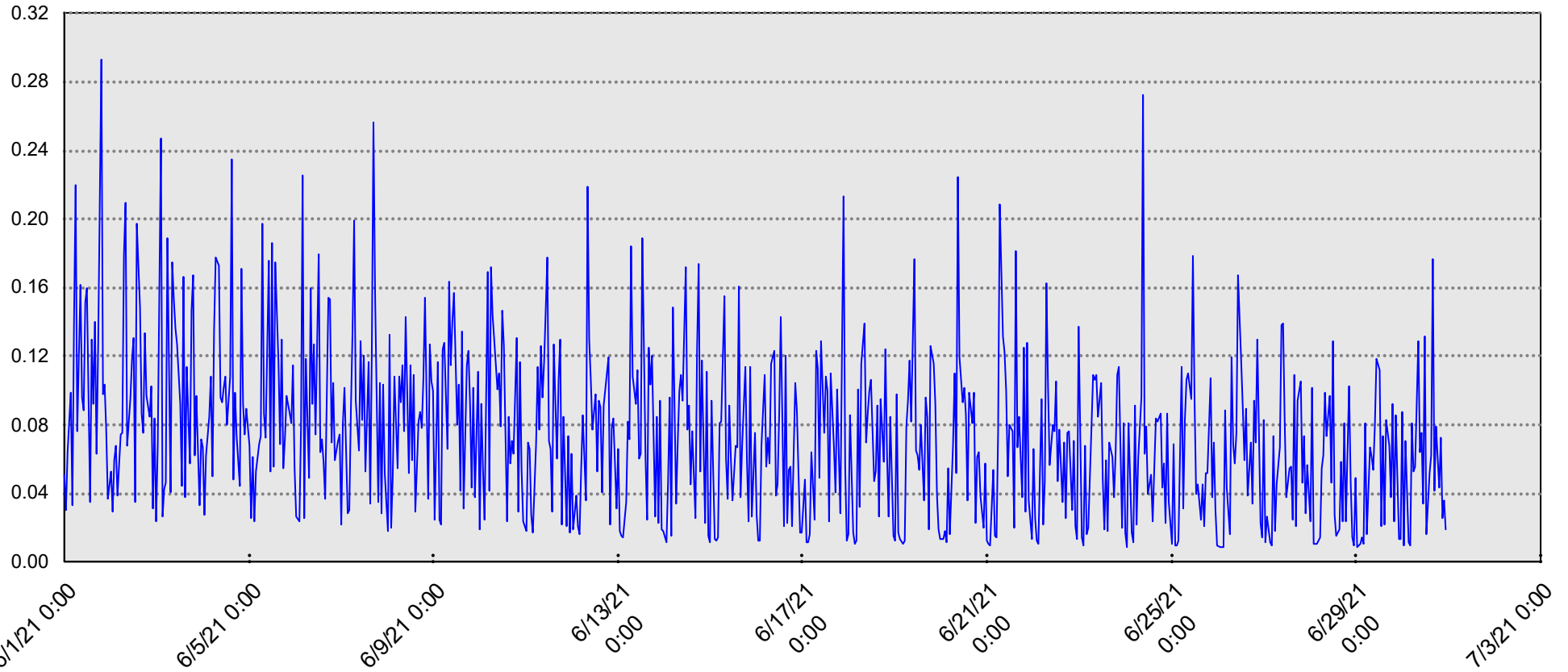


8" Palmer-Bowlus flume in a 10" line

Rain (in) Printed on: 8/25/2021 Period Covered: 06/01/2021 - 07/01/2021 Every 1 Hour



Flow (mgd)



Flow Analysis Graph

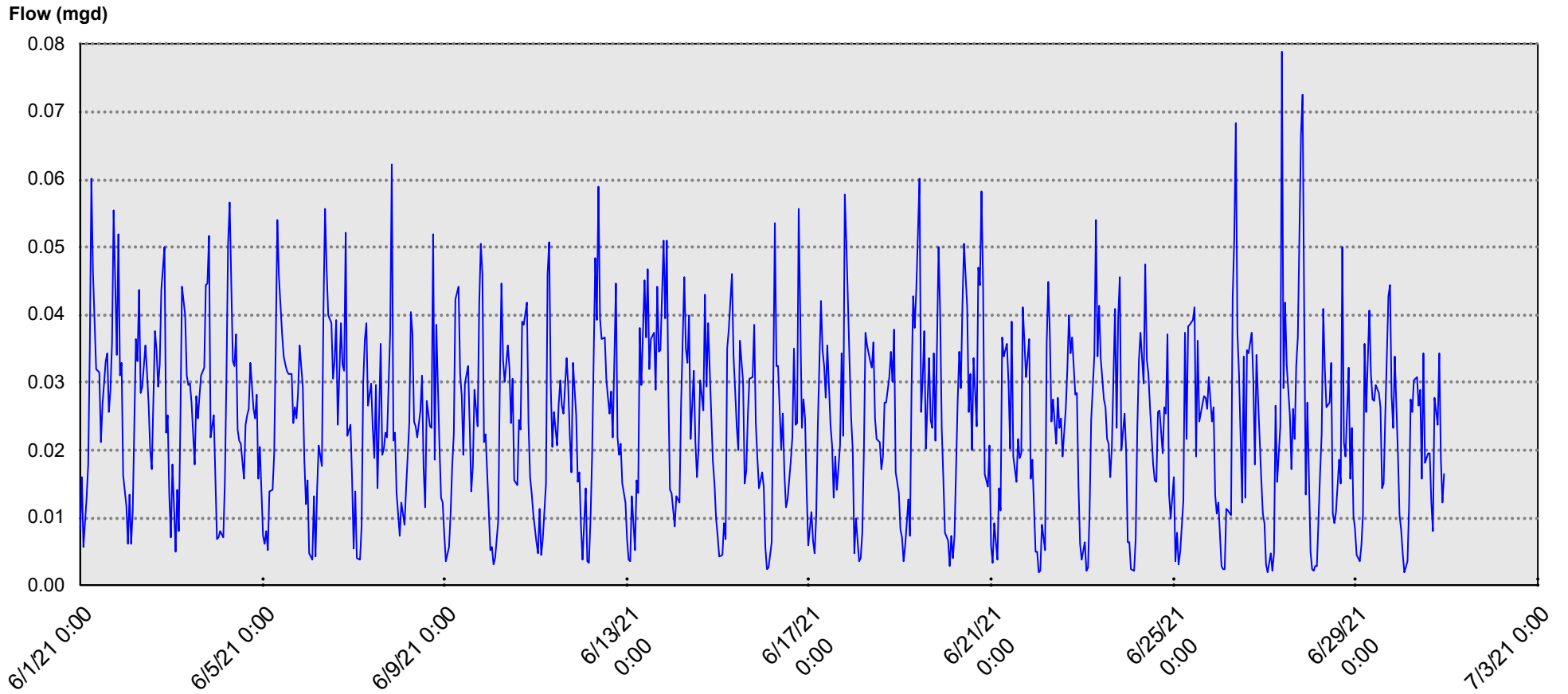
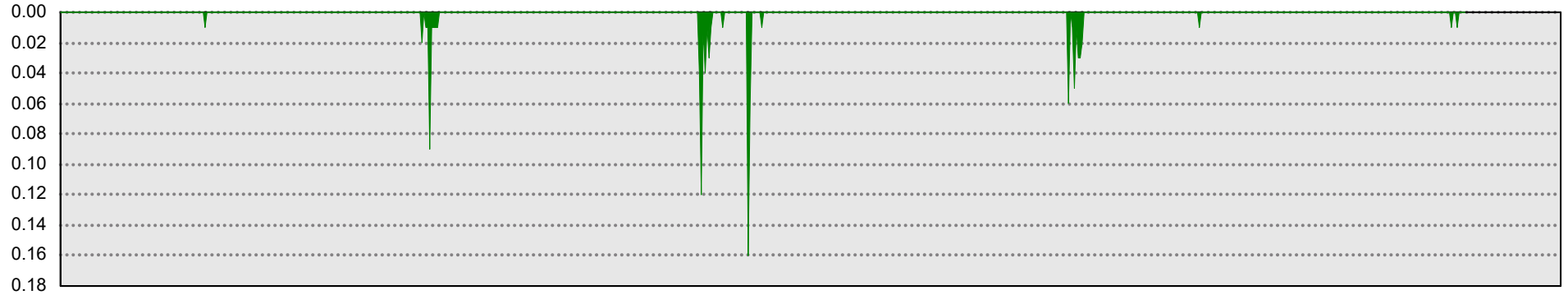
Site:
11
235 Salmon Falls Road

Rochester, NH



8" Palmer-Bowlus flume in a 10" line

Rain (in) Printed on: 8/25/2021 Period Covered: 06/01/2021 - 07/01/2021 Every 1 Hour



Flow Analysis Graph

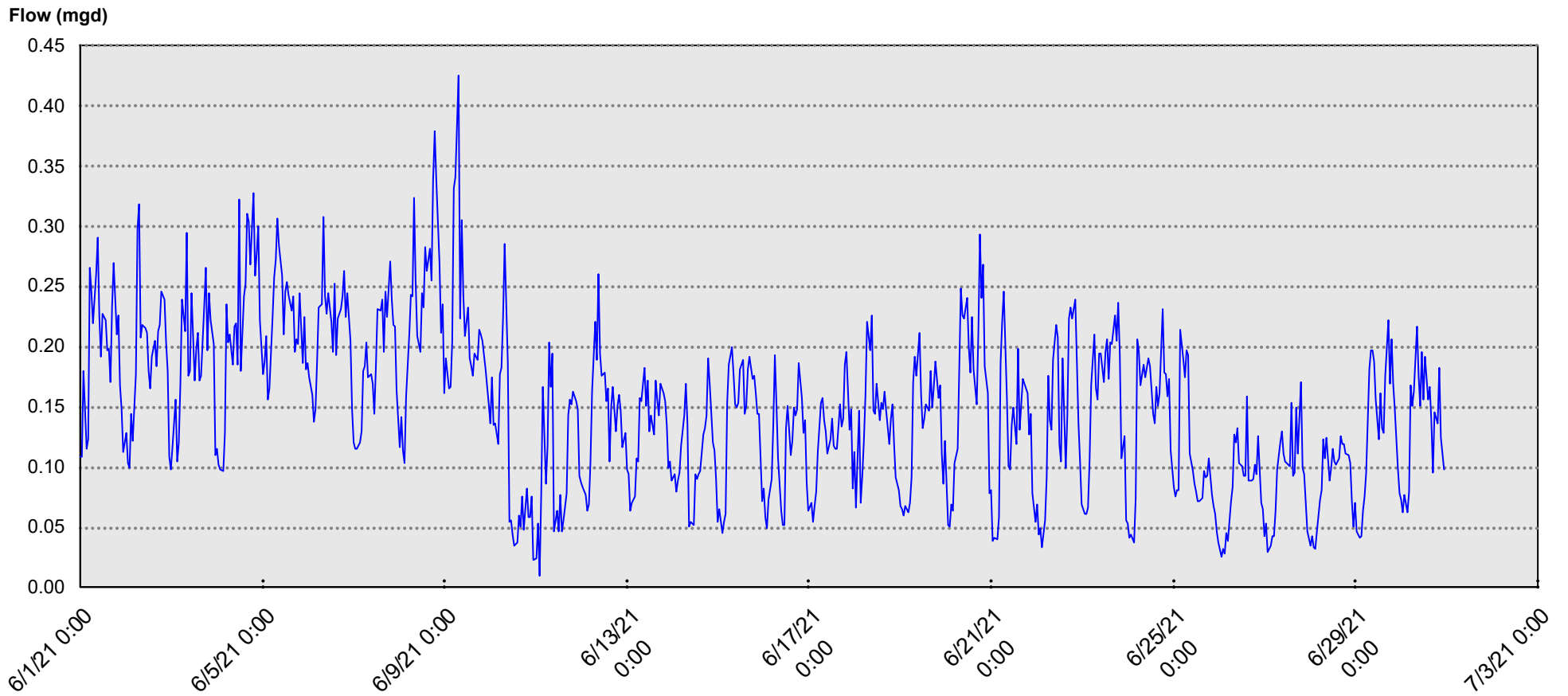
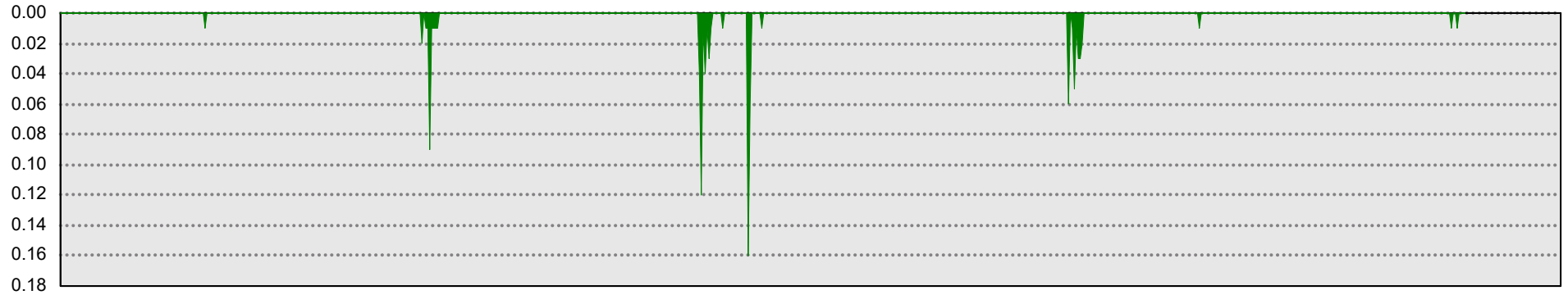
Site:
12
Front Street PS

Rochester, NH



18" Circular line

Rain (in) Printed on: 8/25/2021 Period Covered: 06/01/2021 - 07/01/2021 Every 1 Hour



Flow Analysis Graph

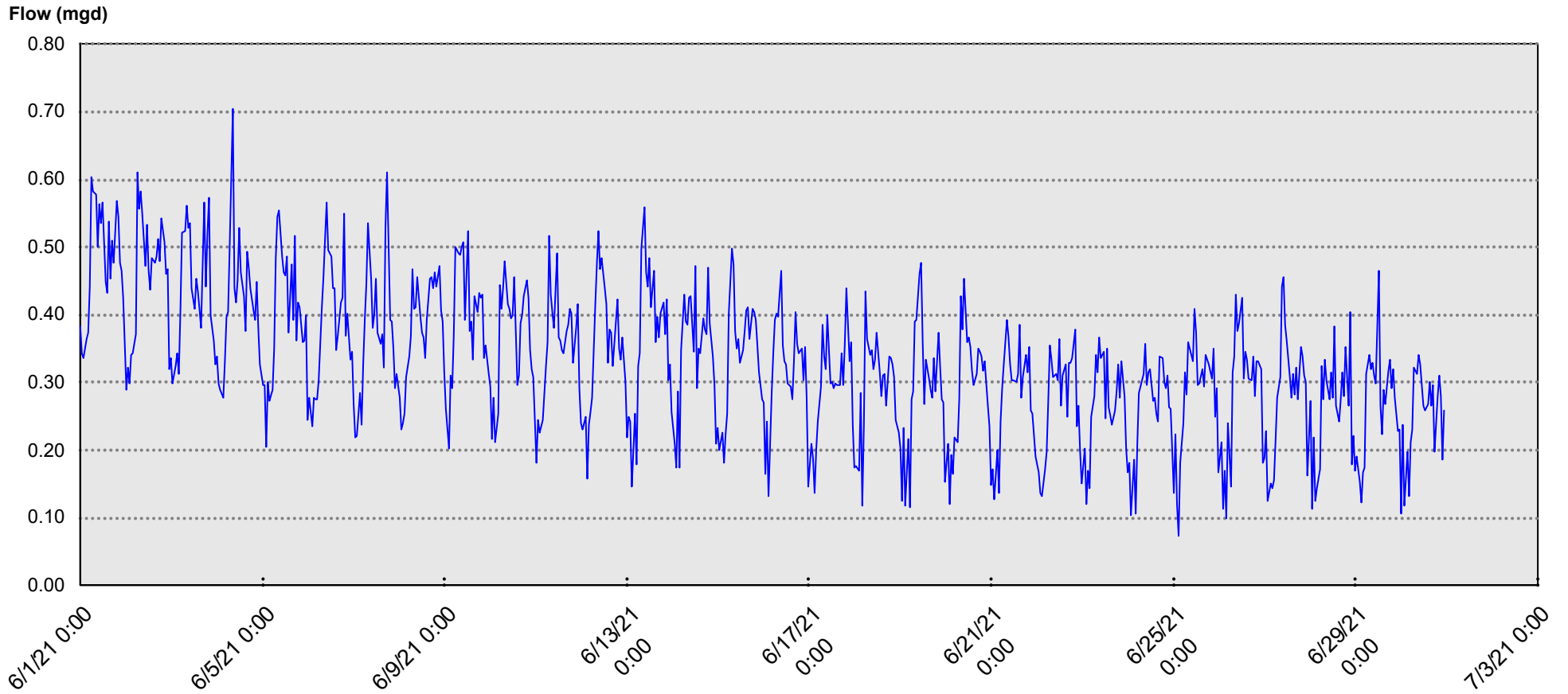
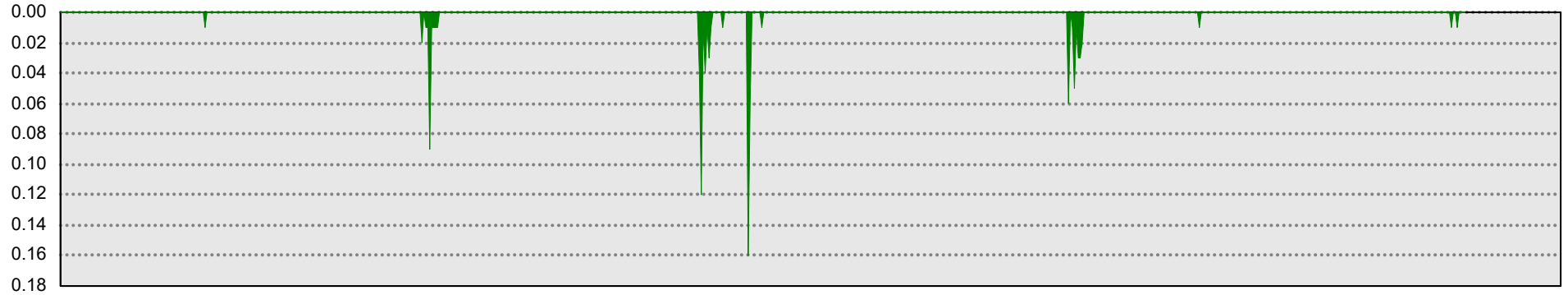
Site:
13
34 Eastern Avenue

Rochester, NH



18" Circular line

Rain (in) Printed on: 8/25/2021 Period Covered: 06/01/2021 - 07/01/2021 Every 1 Hour



Summary Flow Report

Site: **Tara Estates**
23

Salmon Falls Road at Watson Drive

Rochester, NH



8" Palmer-Bowlus flume in a 10" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
7/1/2021 (Thu)	0.007	0.357	0.055	0.64	0.31	0.06
7/2/2021 (Fri)	0.011	0.429	0.076	1.72	0.85	0.09
7/3/2021 (Sat)	0.011	0.488	0.075	1.24	0.51	0.08
7/4/2021 (Sun)	0.017	0.493	0.099	0.09	0.04	0.01
7/5/2021 (Mon)	0.017	0.410	0.090	0.00	0.00	0.00
7/6/2021 (Tue)	0.017	0.415	0.089	0.02	0.01	0.01
7/7/2021 (Wed)	0.014	0.474	0.076	0.00	0.00	0.00
7/8/2021 (Thu)	0.015	0.430	0.063	0.22	0.11	0.03
7/9/2021 (Fri)	0.013	0.611	0.134	2.76	1.08	0.11
7/10/2021 (Sat)	0.046	0.479	0.146	0.02	0.02	0.01
7/11/2021 (Sun)	0.036	0.466	0.140	0.21	0.15	0.02
7/12/2021 (Mon)	0.042	0.432	0.060	0.59	0.24	0.03
Total for period			1.102	7.51		
		Min:	0.007			
		Avg:	0.092			
		Max:	0.611			

Flow Analysis Graph

Site: **Tara Estates**
23

Salmon Falls Road at Watson Drive

Rochester, NH

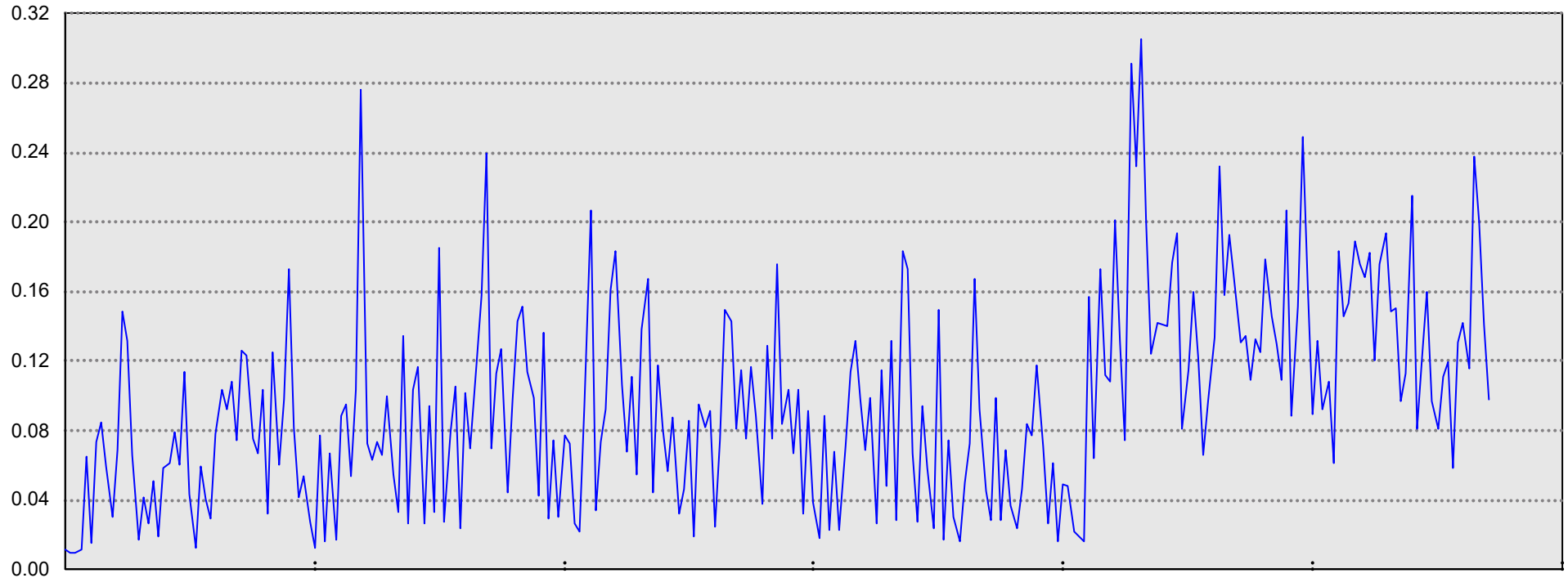


8" Palmer-Bowlus flume in a 10" line

Rain (in) Printed on: 8/25/2021 Period Covered: 07/01/2021 - 07/13/2021 Every 1 Hour



Flow (mgd)



7/1/21 0:00 7/3/21 0:00 7/5/21 0:00 7/7/21 0:00 7/9/21 0:00 7/11/21 0:00 7/13/21 0:00

Summary Flow Report



Site:

11
235 Salmon Falls Road

Rochester, NH

8" Palmer-Bowlus flume in a 10" line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
7/1/2021 (Thu)	0.002	0.069	0.024	0.64	0.31	0.06
7/2/2021 (Fri)	0.004	0.075	0.027	1.72	0.85	0.09
7/3/2021 (Sat)	0.002	0.088	0.025	1.24	0.51	0.08
7/4/2021 (Sun)	0.002	0.081	0.023	0.09	0.04	0.01
7/5/2021 (Mon)	0.004	0.109	0.032	0.00	0.00	0.00
7/6/2021 (Tue)	0.002	0.120	0.026	0.02	0.01	0.01
7/7/2021 (Wed)	0.003	0.078	0.027	0.00	0.00	0.00
7/8/2021 (Thu)	0.003	0.036	0.003	0.22	0.11	0.03
7/9/2021 (Fri)				2.76	1.08	0.11
7/10/2021 (Sat)				0.02	0.02	0.01
7/11/2021 (Sun)				0.21	0.15	0.02
7/12/2021 (Mon)				0.59	0.24	0.03
Total for period			0.186	7.51		
		Min:	0.002			
		Avg:	0.023			
		Max:	0.120			

Flow Analysis Graph

Site:
11
235 Salmon Falls Road

Rochester, NH

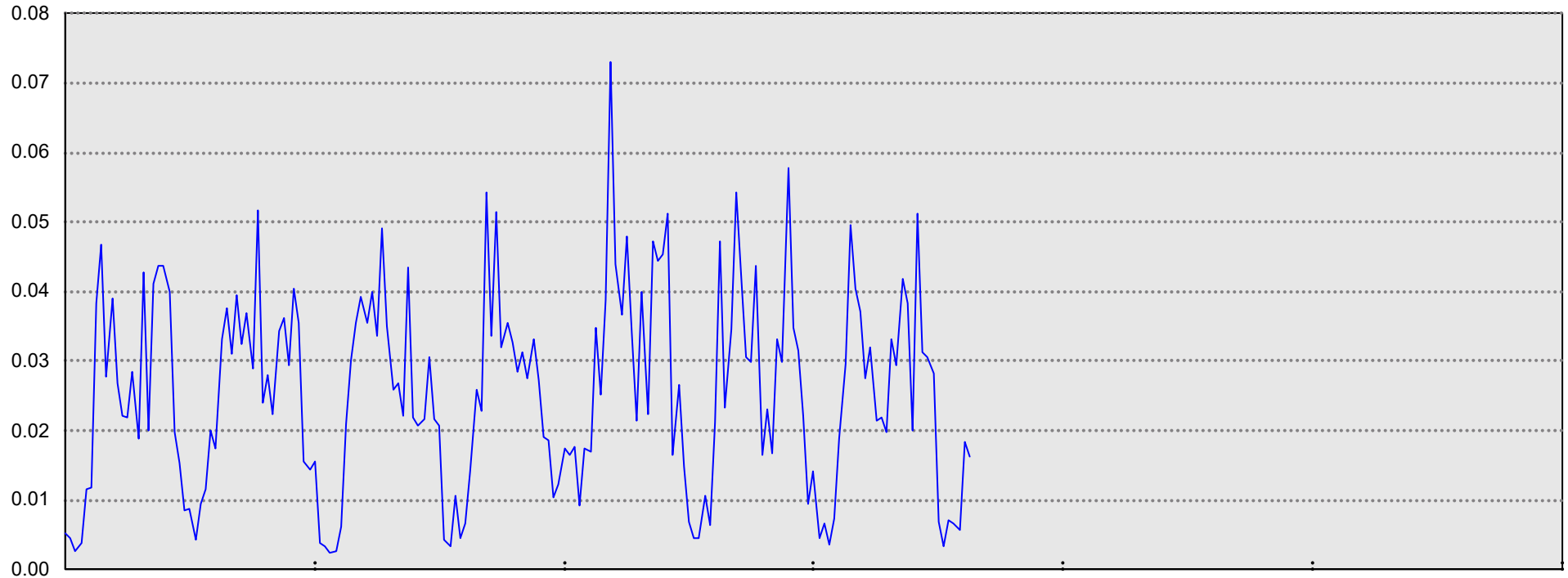


8" Palmer-Bowlus flume in a 10" line

Rain (in) Printed on: 8/25/2021 Period Covered: 07/01/2021 - 07/13/2021 Every 1 Hour



Flow (mgd)



7/1/21 0:00 7/3/21 0:00 7/5/21 0:00 7/7/21 0:00 7/9/21 0:00 7/11/21 0:00 7/13/21 0:00

Summary Flow Report



Site:

12
Front Street PS

Rochester, NH

18" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
7/1/2021 (Thu)	0.034	0.505	0.113	0.64	0.31	0.06
7/2/2021 (Fri)	0.025	0.160	0.078	1.72	0.85	0.09
7/3/2021 (Sat)	0.035	0.402	0.158	1.24	0.51	0.08
7/4/2021 (Sun)	0.077	0.555	0.215	0.09	0.04	0.01
7/5/2021 (Mon)	0.103	0.422	0.209	0.00	0.00	0.00
7/6/2021 (Tue)	0.067	0.258	0.136	0.02	0.01	0.01
7/7/2021 (Wed)	0.042	0.306	0.122	0.00	0.00	0.00
7/8/2021 (Thu)	0.050	0.415	0.127	0.22	0.11	0.03
7/9/2021 (Fri)	0.040	0.731	0.216	2.76	1.08	0.11
7/10/2021 (Sat)	0.166	0.375	0.259	0.02	0.02	0.01
7/11/2021 (Sun)	0.190	0.348	0.260	0.21	0.15	0.02
7/12/2021 (Mon)	0.190	0.376	0.099	0.59	0.24	0.03
Total for period			1.993	7.51		
		Min:	0.025			
		Avg:	0.166			
		Max:	0.731			

Flow Analysis Graph

Site:
12
Front Street PS

Rochester, NH

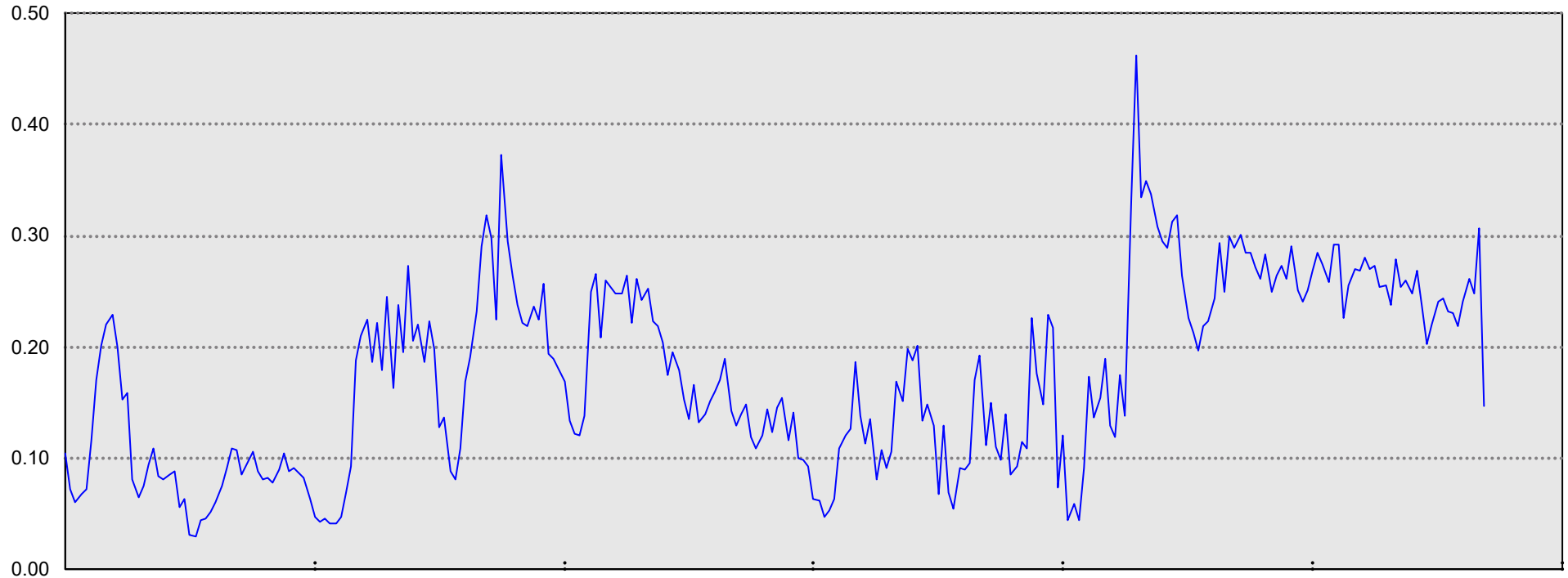


18" Circular line

Rain (in) Printed on: 8/25/2021 Period Covered: 07/01/2021 - 07/13/2021 Every 1 Hour



Flow (mgd)



7/1/21 0:00 7/3/21 0:00 7/5/21 0:00 7/7/21 0:00 7/9/21 0:00 7/11/21 0:00 7/13/21 0:00

Summary Flow Report



Site:

13
34 Eastern Avenue

Rochester, NH

18" Circular line

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (in)	Peak Hourly Rain (in)	Peak Interval Rain (in)
7/1/2021 (Thu)	0.070	0.738	0.217	0.64	0.31	0.06
7/2/2021 (Fri)	0.091	0.738	0.233	1.72	0.85	0.09
7/3/2021 (Sat)	0.090	0.705	0.229	1.24	0.51	0.08
7/4/2021 (Sun)	0.126	0.834	0.300	0.09	0.04	0.01
7/5/2021 (Mon)	0.127	0.811	0.300	0.00	0.00	0.00
7/6/2021 (Tue)	0.128	0.794	0.281	0.02	0.01	0.01
7/7/2021 (Wed)	0.115	0.792	0.263	0.00	0.00	0.00
7/8/2021 (Thu)	0.114	0.854	0.244	0.22	0.11	0.03
7/9/2021 (Fri)	0.111	1.490	0.526	2.76	1.08	0.11
7/10/2021 (Sat)	0.297	1.218	0.634	0.02	0.02	0.01
7/11/2021 (Sun)	0.224	1.210	0.516	0.21	0.15	0.02
7/12/2021 (Mon)	0.197	1.242	0.229	0.59	0.24	0.03
Total for period			3.974	7.51		
		Min:	0.070			
		Avg:	0.331			
		Max:	1.490			

Flow Analysis Graph

Site:
13

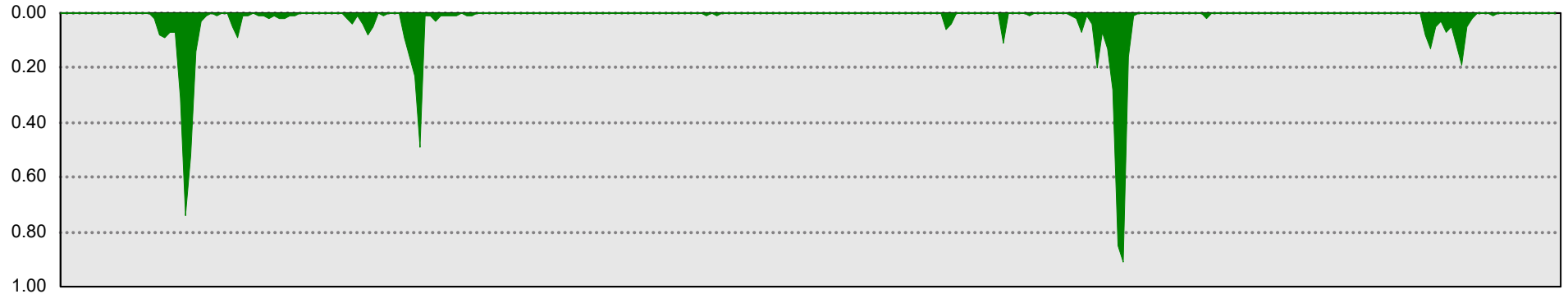
34 Eastern Avenue

Rochester, NH

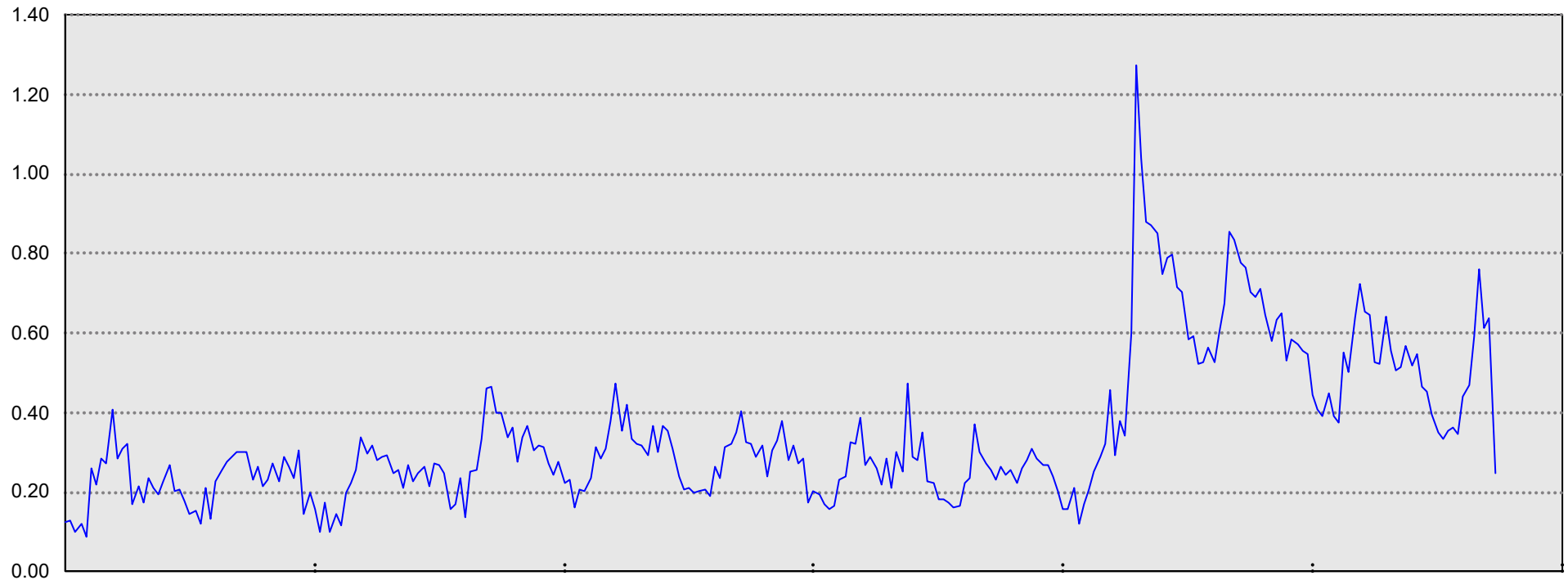
18" Circular line



Rain (in) Printed on: 8/25/2021 Period Covered: 07/01/2021 - 07/13/2021 Every 1 Hour



Flow (mgd)



7/1/21 0:00 7/3/21 0:00 7/5/21 0:00 7/7/21 0:00 7/9/21 0:00 7/11/21 0:00 7/13/21 0:00

ATTACHMENT B

PLAN HOLDERS LIST
(as of 3/11/2024)

Rochester, NH - 24-27 Eastern Avenue Sanitary Sewer and Surface Drain Rehabilitation Project

Eastern Avenue Sanitary Sewer and Surface Drain Rehabilitation Project

Plan Holders

Date	Company	Contact
2/29/24 4:00 pm	Accent Printing, Inc 99 Chelmsford Road No. Billerica, MA 01862	Brian Fisher Tel: 978-362-8038 Fax: 978-362-8038
2/29/24 11:42 pm	Blackridge Research & consulting 4041 w Hollow Creek Drive Peoria, IL 61615	Venkatesh Siva Tel: 9179937467
3/4/24 10:30 am	ConstructConnect 30 Technology Parkway South Ste. 100 Norcross, GA 30092	Sandra Leibfarth Tel: 8003642059 Fax: 8665708187
3/3/24 1:17 am	Dodge Data & Analytics 2860 S State Hwy 161 Ste 160 #501 Grand Prairie, TX 75052	Jayalakshmi Loganathan Tel: 413-376-7032 Fax: 609-336-2767
3/4/24 11:51 am	Green Mountain Pipeline Services LLC 768 South Main Street Bethel, VT 05032	Adam Stearns Estimator Tel: 802-281-2401 Fax: 802-763-7048
3/4/24 5:58 pm	Jamco Excavators 84 Exeter Road South Hampton, NH 03827	Katharena Morrill Estimator Tel: 6033947664
3/1/24 9:18 am	National Water Main Cleaning Co. 25 Marshall Street Canton, MA 02021	Dennis Sullivan Vice President Tel: 781-828-0863 Fax: 781-828-2473
2/29/24 4:00 pm	Weston & Sampson 55 Walkers Brook Drive Reading, MA 01867	Carolyn Mahoney Tel: 978-532-1900 Fax: 978-977-0100

Date	Company	Contact
3/1/24 8:09 am	Weston & Sampson 100 International Drive Suite 152 Portsmouth, NH 03801	Mary OMalley Technical Project Coordinator Tel: 603-570-6320 Fax: 9789770100