

APPENDIX A: FLOW ASSESSMENT REPORT

PORTSMOUTH, NH
CONTINUOUS FLOW
MONITORING REPORT
MAR – SEPT 2008

FLOW Assessment

SERVICES L.L.C.

Weston & Sampson Engineers, Inc.
 195 Hanover St.
 Portsmouth, NH 03801

October 6, 2008

Attn: Peter Goodwin

Re: Portsmouth, NH
 Continuous Flow Monitoring
 March 2008 – September 2008

Dear Mr. Goodwin,

This letter is written to present the flow monitoring data collected in Portsmouth, NH. The meters were installed between 3/27/08 and 8/15/08. This letter presents the data from 3/27/08 to 9/03/08.

Site configuration information:

Site	Location	Data Range	Meter
5	167 Lincoln Ave.	3/28/08 – 8/14/08	Area Velocity Meter installed in an existing 30" circular pipe.
6	Puddle Lane at Strawberry Banke	3/28/08 – up	Area Velocity Meter installed in an existing 30" circular pipe.
11	Recci Supply	3/28/08 – 8/21/08	Area Velocity Meter installed in an existing 36" circular pipe.
11A	Islington St. at Elm Court	8/15/08 – 8/27/08	Area Velocity Meter installed in an existing 15" circular pipe.
11B	33 Jewel Court	8/15/08 – 8/27/08	Area Velocity Meter installed in an existing 35" circular pipe.
11C	Islington St. at Columbia St.	8/15/08 – 8/27/08	Area Velocity Meter installed in an existing 15" circular pipe.
11D	Bartlett St.	8/15/08 – 8/27/08	Area Velocity Meter installed in an existing 10" circular pipe.
12	Maplewood Ave.	3/27/08 – 8/21/08	Area Velocity Meter installed in an existing 24" circular pipe.
13	Franklin Dr.	3/27/08 – 8/14/08	Area Velocity Meter installed in an existing 20.6" circular pipe.
14	Islington St. Dirt Access Rd.	4/02/08 – 8/14/08	Area Velocity Meter installed in an existing 17.5" circular pipe.

Site configuration information continued:

14A	Islington St. Dirt Access Rd.	3/27/08 – 4/02/08	Area Velocity Meter installed in an existing 17.5" circular pipe.
15	Route 1 Bypass	3/27/08 – 8/14/08	Area Velocity Meter installed in an existing 10" circular pipe.
16	Pierce Island Rd. at Mechanic St.	8/21/08 - up	Area Velocity Meter installed in an existing 24" circular pipe.
Rain1	Lafayette Rd. Pump Station	3/27/08 - up	Electronic tipping bucket type rain collector
Rain2	City Hall	3/27/08 - up	Electronic tipping bucket type rain collector

The Area Velocity Flow Meters sense both depth and velocity. The depth and velocity information was stored in the meter's memory. The recorded data was uploaded from the flow meters with a laptop computer. During the installation and maintenance visits, the depth and velocity information was confirmed and calibration measurements were noted.

Appendix 1 contains a summary of the daily flow and a summary graph. The summary presents minimum, peak and total daily flow. The summary is in 15-minute intervals. The summary graph is hourly to help visualize the flow pattern recorded during the monitoring period.

Appendix 2 contains daily flow data printouts in 15-minute intervals and is presented on the disk that accompanies this report. On this project, to obtain more resolution, meters 11A, 11B, 11C, and 11D were configured to record in 5-minute intervals. The data in 5-minute and 15-minute intervals is also included in an Excel format on the disk.

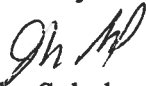
Site & Data Observations:

Manhole	Observation
11	This site had 2.5" of debris in the line during the monitoring period. The debris was factored into the flow calculations.
11A, 11B, 11C, 11D	These meters were programmed to record data in 5 minute intervals.
14A	This site had 5.5" of debris in the line during the monitoring period. The debris was factored into the flow calculations. This site was discontinued on 4/2/08 and the meter was moved to an upstream location where there was no debris in the line. The new site was named site 14.

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10/06/08
Portsmouth, NH

If you have any questions or require anything additional, please feel free to call.

Sincerely



John Sokol
Senior Data Analyst

Cc: Steve Freedman
Brown and Caldwell

Portsmouth, NH

FAST Flow Summary

Site: 5 167 Lincoln Ave.
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/28/08 (Fri)	2.220	3.234	1.451	0.42	0.10	0.04
03/29/08 (Sat)	1.845	2.861	2.354	0.02	0.01	0.01
03/30/08 (Sun)	1.781	2.781	2.345	0.36	0.14	0.04
03/31/08 (Mon)	1.797	3.115	2.480	0.31	0.06	0.03
04/01/08 (Tue)	2.119	3.068	2.639	0.12	0.07	0.04
04/02/08 (Wed)	2.212	3.044	2.647	0.00	----	----
04/03/08 (Thu)	2.008	2.790	2.395	0.00	----	----
04/04/08 (Fri)	1.790	3.944	2.788	0.71	0.12	0.06
04/05/08 (Sat)	2.277	3.853	2.932	0.24	0.14	0.05
04/06/08 (Sun)	2.052	3.010	2.587	0.00	----	----
04/07/08 (Mon)	1.962	2.816	2.403	0.01	0.01	0.01
04/08/08 (Tue)	1.841	2.552	2.237	0.00	----	----
04/09/08 (Wed)	1.658	2.530	2.129	0.00	----	----
04/10/08 (Thu)	1.630	2.431	2.027	0.00	----	----
04/11/08 (Fri)	1.468	2.307	1.933	0.04	0.03	0.01
04/12/08 (Sat)	1.567	3.648	2.149	0.31	0.12	0.07
04/13/08 (Sun)	1.393	2.287	1.901	0.00	----	----
04/14/08 (Mon)	1.384	2.188	1.829	0.00	----	----
04/15/08 (Tue)	1.306	2.163	1.754	0.00	----	----
04/16/08 (Wed)	1.322	2.121	1.742	0.00	----	----
04/17/08 (Thu)	1.217	2.124	1.668	0.00	----	----
04/18/08 (Fri)	1.190	2.052	1.640	0.00	----	----
04/19/08 (Sat)	1.054	2.091	1.571	0.00	----	----
04/20/08 (Sun)	1.053	2.045	1.539	0.00	----	----
04/21/08 (Mon)	0.978	1.922	1.539	0.00	----	----
04/22/08 (Tue)	0.956	1.808	1.482	0.00	----	----
04/23/08 (Wed)	1.000	1.924	1.471	0.00	----	----
04/24/08 (Thu)	1.013	1.790	1.420	0.00	----	----
04/25/08 (Fri)	0.938	1.778	1.397	0.00	----	----
04/26/08 (Sat)	0.913	1.765	1.347	0.00	----	----
04/27/08 (Sun)	0.855	1.800	1.312	0.03	0.03	0.02
04/28/08 (Mon)	0.834	4.631	2.035	1.49	0.25	0.08
04/29/08 (Tue)	2.415	5.704	3.431	1.41	0.35	0.11
04/30/08 (Wed)	2.320	3.390	2.872	0.00	----	----
05/01/08 (Thu)	2.033	2.799	2.376	0.00	----	----
05/02/08 (Fri)	1.758	2.544	2.160	0.00	----	----
05/03/08 (Sat)	1.465	2.473	2.018	0.06	0.03	0.02
05/04/08 (Sun)	1.449	5.197	2.449	0.80	0.41	0.13
05/05/08 (Mon)	1.980	2.738	2.362	0.00	----	----
05/06/08 (Tue)	1.704	2.703	2.156	0.00	----	----
05/07/08 (Wed)	1.593	2.409	2.027	0.00	----	----
05/08/08 (Thu)	1.469	2.292	1.913	0.02	0.02	0.01
05/09/08 (Fri)	1.319	2.306	1.802	0.00	----	----
05/10/08 (Sat)	1.275	2.193	1.731	0.00	----	----
05/11/08 (Sun)	1.106	2.131	1.662	0.00	----	----
05/12/08 (Mon)	1.069	2.170	1.645	0.00	----	----

Portsmouth, NH

FAST Flow Summary

Site: 5 167 Lincoln Ave.
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/13/08 (Tue)	1.048	1.935	1.586	0.00	-----	-----
05/14/08 (Wed)	0.954	2.004	1.530	0.00	-----	-----
05/15/08 (Thu)	0.981	2.024	1.497	0.00	-----	-----
05/16/08 (Fri)	1.011	1.897	1.454	0.04	0.04	0.03
05/17/08 (Sat)	0.943	1.912	1.451	0.10	0.06	0.02
05/18/08 (Sun)	0.906	2.003	1.428	0.00	-----	-----
05/19/08 (Mon)	0.920	1.874	1.416	0.00	-----	-----
05/20/08 (Tue)	0.910	1.901	1.363	0.00	-----	-----
05/21/08 (Wed)	0.775	1.891	1.348	0.03	0.01	0.01
05/22/08 (Thu)	0.868	1.737	1.336	0.00	-----	-----
05/23/08 (Fri)	0.806	1.810	1.323	0.00	-----	-----
05/24/08 (Sat)	0.811	1.687	1.261	0.00	-----	-----
05/25/08 (Sun)	0.755	1.744	1.238	0.00	-----	-----
05/26/08 (Mon)	0.716	1.764	1.250	0.00	-----	-----
05/27/08 (Tue)	0.750	4.765	1.359	0.53	0.53	0.39
05/28/08 (Wed)	0.786	1.751	1.275	0.00	-----	-----
05/29/08 (Thu)	0.751	1.747	1.223	0.00	-----	-----
05/30/08 (Fri)	0.625	1.625	1.156	0.00	-----	-----
05/31/08 (Sat)	0.709	3.603	1.270	0.23	0.14	0.11
06/01/08 (Sun)	0.741	1.636	1.182	0.00	-----	-----
06/02/08 (Mon)	0.645	1.665	1.147	0.00	-----	-----
06/03/08 (Tue)	0.740	1.639	1.147	0.00	-----	-----
06/04/08 (Wed)	0.727	2.357	1.428	0.63	0.08	0.03
06/05/08 (Thu)	0.842	1.665	1.268	0.02	0.01	0.01
06/06/08 (Fri)	-1.406	5.106	1.434	0.43	0.15	0.09
06/07/08 (Sat)	0.790	1.871	1.308	0.00	-----	-----
06/08/08 (Sun)	0.708	1.707	1.235	0.00	-----	-----
06/09/08 (Mon)	0.576	1.747	1.229	0.00	-----	-----
06/10/08 (Tue)	0.752	1.710	1.214	0.00	-----	-----
06/11/08 (Wed)	0.748	4.852	1.436	0.59	0.53	0.45
06/12/08 (Thu)	0.792	1.840	1.227	0.00	-----	-----
06/13/08 (Fri)	0.484	1.670	1.137	0.00	-----	-----
06/14/08 (Sat)	0.675	5.503	1.220	1.00	0.60	0.37
06/15/08 (Sun)	1.673	5.036	2.803	2.13	0.80	0.36
06/16/08 (Mon)	1.424	2.567	2.013	0.08	0.03	0.02
06/17/08 (Tue)	1.302	2.492	1.730	0.09	0.05	0.04
06/18/08 (Wed)	1.023	1.960	1.542	0.01	0.01	0.01
06/19/08 (Thu)	0.972	1.942	1.418	0.00	-----	-----
06/20/08 (Fri)	0.944	5.300	1.533	0.24	0.23	0.22
06/21/08 (Sat)	0.934	1.923	1.358	0.00	-----	-----
06/22/08 (Sun)	0.834	4.638	1.386	0.27	0.17	0.12
06/23/08 (Mon)	0.888	4.566	1.900	1.21	0.70	0.34
06/24/08 (Tue)	1.793	2.639	2.189	0.00	-----	-----
06/25/08 (Wed)	1.329	2.230	1.760	0.00	-----	-----
06/26/08 (Thu)	1.087	2.304	1.573	0.02	0.02	0.01
06/27/08 (Fri)	1.042	1.999	1.527	0.13	0.13	0.09

Portsmouth, NH

FAST Flow Summary

Site: 5 167 Lincoln Ave.
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
06/28/08 (Sat)	0.972	2.105	1.477	0.03	0.02	0.01
06/29/08 (Sun)	0.971	1.827	1.426	0.05	0.05	0.02
06/30/08 (Mon)	0.985	1.872	1.426	0.04	0.03	0.03
07/01/08 (Tue)	0.868	5.455	1.479	0.33	0.33	0.21
07/02/08 (Wed)	0.848	1.844	1.415	0.01	0.01	0.01
07/03/08 (Thu)	0.809	5.633	1.522	0.29	0.17	0.11
07/04/08 (Fri)	0.926	2.316	1.511	0.20	0.09	0.05
07/05/08 (Sat)	0.806	1.887	1.373	0.00	----	----
07/06/08 (Sun)	0.784	1.881	1.309	0.00	----	----
07/07/08 (Mon)	0.792	1.900	1.339	0.00	----	----
07/08/08 (Tue)	0.856	1.924	1.331	0.00	----	----
07/09/08 (Wed)	0.708	4.354	1.364	0.17	0.16	0.15
07/10/08 (Thu)	0.749	1.915	1.285	0.01	0.01	0.01
07/11/08 (Fri)	0.742	1.881	1.234	0.00	----	----
07/12/08 (Sat)	0.728	1.847	1.246	0.00	----	----
07/13/08 (Sun)	0.656	1.660	1.205	0.00	----	----
07/14/08 (Mon)	0.659	1.622	1.175	0.00	----	----
07/15/08 (Tue)	0.630	1.729	1.192	0.00	----	----
07/16/08 (Wed)	0.609	1.740	1.175	0.00	----	----
07/17/08 (Thu)	0.621	1.667	1.168	0.00	----	----
07/18/08 (Fri)	0.700	6.689	1.636	2.39	2.05	1.38
07/19/08 (Sat)	1.745	4.844	2.321	0.34	0.22	0.14
07/20/08 (Sun)	0.949	7.069	1.950	1.72	1.04	0.38
07/21/08 (Mon)	2.002	3.595	2.793	0.03	0.01	0.01
07/22/08 (Tue)	1.575	2.781	2.073	0.00	----	----
07/23/08 (Wed)	1.191	6.451	2.168	1.16	0.72	0.41
07/24/08 (Thu)	2.336	7.335	3.776	1.77	0.30	0.13
07/25/08 (Fri)	2.333	4.505	3.687	0.01	0.01	0.01
07/26/08 (Sat)	2.449	3.381	2.920	0.00	----	----
07/27/08 (Sun)	2.004	4.696	2.597	0.41	0.20	0.07
07/28/08 (Mon)	1.808	2.828	2.343	0.00	----	----
07/29/08 (Tue)	0.841	2.608	2.034	0.00	----	----
07/30/08 (Wed)	1.186	2.631	1.908	0.00	----	----
07/31/08 (Thu)	1.309	6.415	2.110	0.95	0.56	0.44
08/01/08 (Fri)	1.613	3.282	2.178	0.06	0.06	0.03
08/02/08 (Sat)	1.341	3.323	2.053	0.15	0.12	0.04
08/03/08 (Sun)	1.301	2.406	1.888	0.07	0.06	0.02
08/04/08 (Mon)	1.268	2.588	1.844	0.05	0.04	0.03
08/05/08 (Tue)	1.207	2.430	1.751	0.00	----	----
08/06/08 (Wed)	1.172	6.296	2.313	0.93	0.38	0.17
08/07/08 (Thu)	1.486	2.595	2.065	0.00	----	----
08/08/08 (Fri)	1.358	5.250	2.089	0.23	0.09	0.07
08/09/08 (Sat)	1.355	2.552	1.899	0.00	----	----
08/10/08 (Sun)	1.200	2.203	1.756	0.00	----	----
08/11/08 (Mon)	1.127	2.970	1.750	0.27	0.13	0.07
08/12/08 (Tue)	1.521	4.162	2.269	0.40	0.15	0.06

Portsmouth, NH

FAST Flow Summary

Site: 5 167 Lincoln Ave.
Meter Type: FLOW
Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/13/08 (Wed)	1.376	2.352	1.878	0.00	----	----
08/14/08 (Thu)	1.261	2.272	0.838	0.00	----	----
Total for period:			247.392	26.20		
Minimum for period:			-1.406			
Maximum for period:			7.335			
Average for period:			1.767			

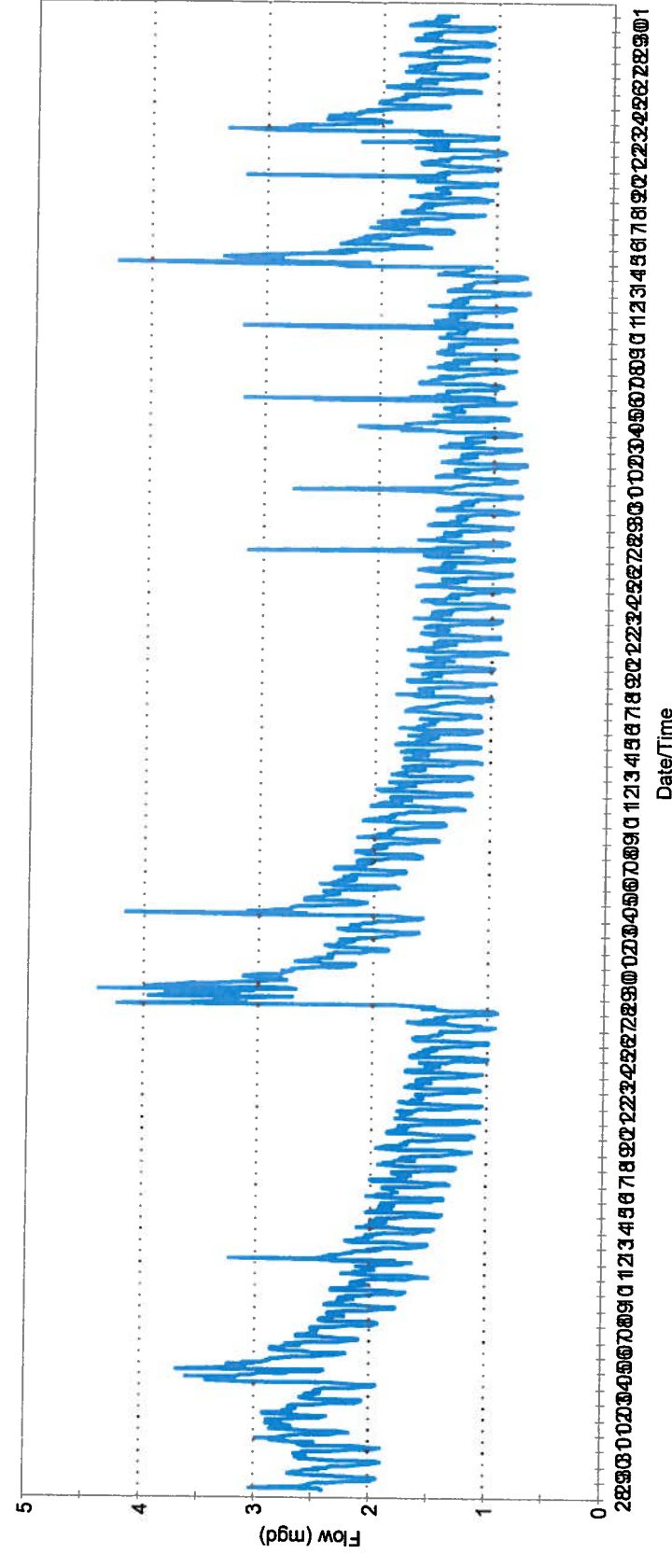
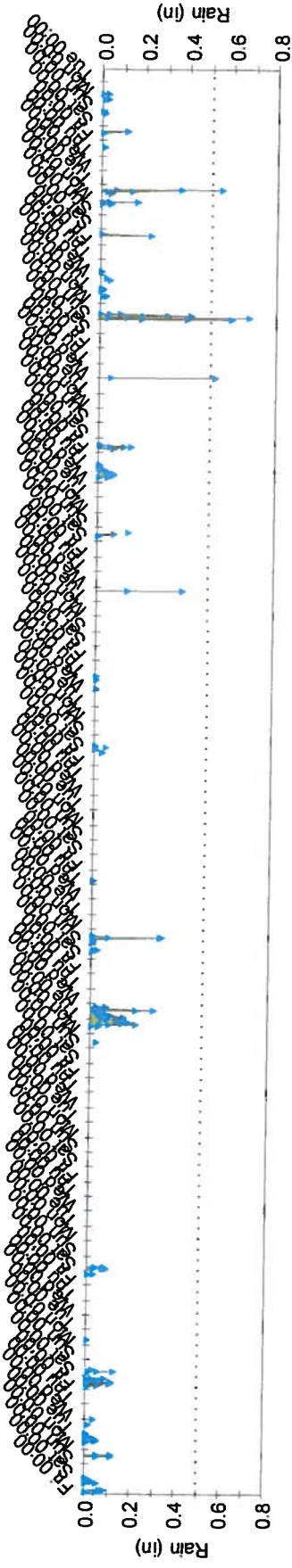
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 5 / 167 Lincoln Ave.

FLOW ANALYSIS

Period Covered: 03/28/2008 - 06/30/2008



Site 5

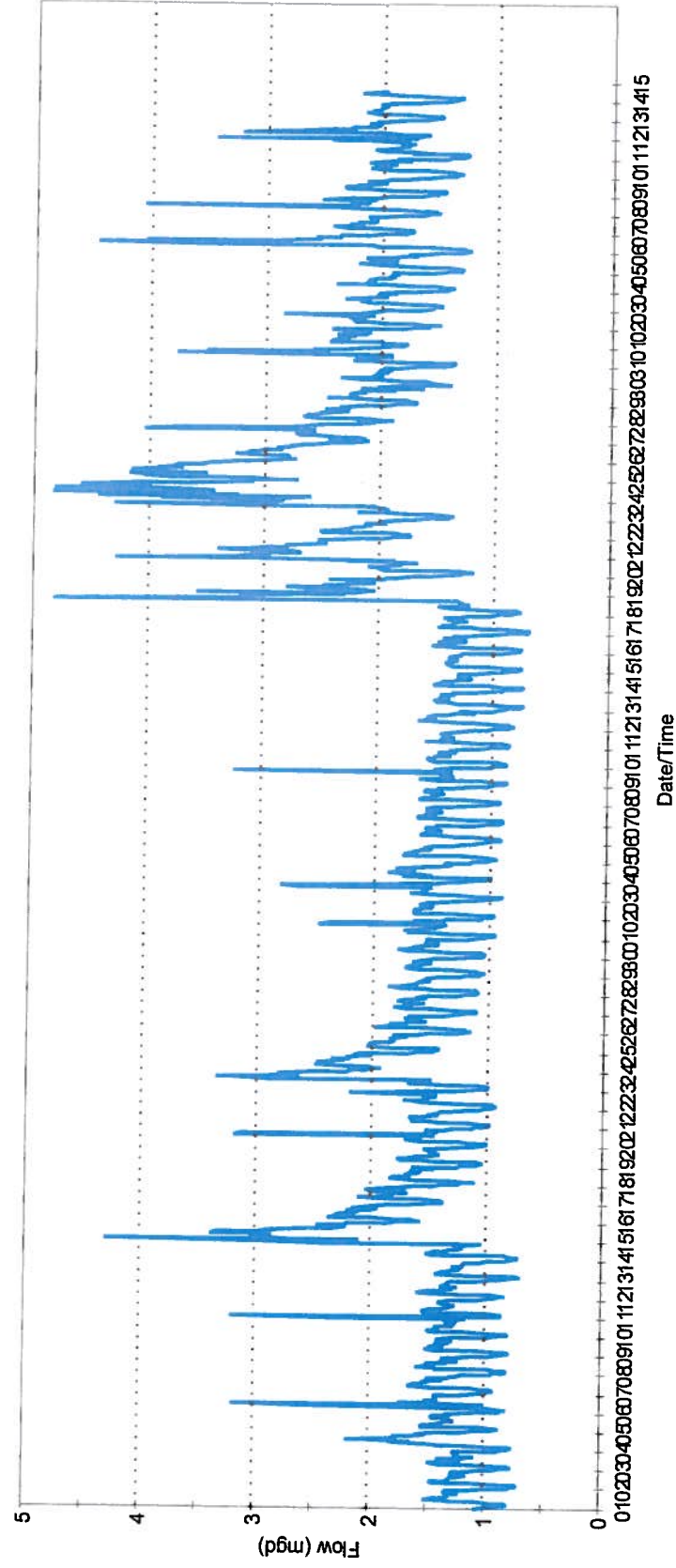
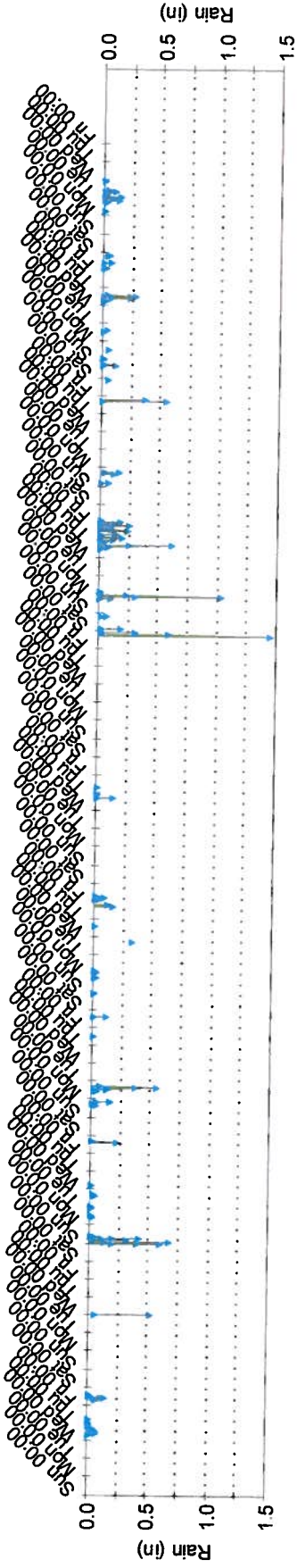
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 5 / 167 Lincoln Ave.

FLOW ANALYSIS

Period Covered: 06/01/2008 - 08/14/2008



Site 5

Portsmouth, NH

FAST Flow Summary

Site: 6 Puddle Lane
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/28/08 (Fri)	3.021	5.121	1.972	0.42	0.10	0.04
03/29/08 (Sat)	2.647	4.331	3.455	0.02	0.01	0.01
03/30/08 (Sun)	2.566	4.185	3.347	0.36	0.14	0.04
03/31/08 (Mon)	2.571	4.754	3.586	0.31	0.06	0.03
04/01/08 (Tue)	2.949	4.596	3.825	0.12	0.07	0.04
04/02/08 (Wed)	3.038	4.591	3.855	0.00	-----	-----
04/03/08 (Thu)	2.603	4.089	3.416	0.00	-----	-----
04/04/08 (Fri)	2.617	5.832	4.277	0.71	0.12	0.06
04/05/08 (Sat)	3.419	5.932	4.466	0.24	0.14	0.05
04/06/08 (Sun)	3.164	4.422	3.815	0.00	-----	-----
04/07/08 (Mon)	2.817	4.072	3.473	0.01	0.01	0.01
04/08/08 (Tue)	2.669	4.116	3.235	0.00	-----	-----
04/09/08 (Wed)	2.534	3.931	3.100	0.00	-----	-----
04/10/08 (Thu)	2.468	3.389	2.922	0.00	-----	-----
04/11/08 (Fri)	2.219	3.311	2.762	0.04	0.03	0.01
04/12/08 (Sat)	2.349	4.991	3.216	0.31	0.12	0.07
04/13/08 (Sun)	2.062	3.780	2.782	0.00	-----	-----
04/14/08 (Mon)	2.176	3.114	2.629	0.00	-----	-----
04/15/08 (Tue)	2.045	2.980	2.538	0.00	-----	-----
04/16/08 (Wed)	1.968	2.896	2.482	0.00	-----	-----
04/17/08 (Thu)	1.959	3.021	2.454	0.00	-----	-----
04/18/08 (Fri)	1.937	3.345	2.455	0.00	-----	-----
04/19/08 (Sat)	1.779	3.610	2.416	0.00	-----	-----
04/20/08 (Sun)	1.785	3.116	2.349	0.00	-----	-----
04/21/08 (Mon)	1.702	3.194	2.397	0.00	-----	-----
04/22/08 (Tue)	1.601	2.784	2.311	0.00	-----	-----
04/23/08 (Wed)	1.659	2.767	2.265	0.00	-----	-----
04/24/08 (Thu)	1.693	2.695	2.227	0.00	-----	-----
04/25/08 (Fri)	1.569	2.700	2.162	0.00	-----	-----
04/26/08 (Sat)	1.569	2.622	2.114	0.00	-----	-----
04/27/08 (Sun)	1.577	2.569	2.054	0.03	0.03	0.02
04/28/08 (Mon)	1.459	7.453	3.534	1.49	0.25	0.08
04/29/08 (Tue)	4.108	7.410	5.996	1.41	0.35	0.11
04/30/08 (Wed)	3.475	6.130	4.291	0.00	-----	-----
05/01/08 (Thu)	2.565	4.114	3.317	0.00	-----	-----
05/02/08 (Fri)	2.138	3.511	2.919	0.00	-----	-----
05/03/08 (Sat)	2.250	3.431	2.756	0.06	0.03	0.02
05/04/08 (Sun)	1.969	6.939	3.859	0.80	0.41	0.13
05/05/08 (Mon)	2.691	3.942	3.303	0.00	-----	-----
05/06/08 (Tue)	2.386	3.418	2.969	0.00	-----	-----
05/07/08 (Wed)	2.252	3.316	2.854	0.00	-----	-----
05/08/08 (Thu)	1.987	3.211	2.643	0.02	0.02	0.01
05/09/08 (Fri)	1.966	3.069	2.487	0.00	-----	-----
05/10/08 (Sat)	1.749	3.085	2.409	0.00	-----	-----
05/11/08 (Sun)	1.737	2.922	2.288	0.00	-----	-----
05/12/08 (Mon)	1.557	2.966	2.269	0.00	-----	-----

Portsmouth, NH

FAST Flow Summary

Site: 6 Puddle Lane
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/13/08 (Tue)	1.602	2.786	2.197	0.00	----	----
05/14/08 (Wed)	1.641	2.621	2.157	0.00	----	----
05/15/08 (Thu)	1.574	2.654	2.088	0.00	----	----
05/16/08 (Fri)	1.400	2.691	2.122	0.04	0.04	0.03
05/17/08 (Sat)	1.566	2.799	2.144	0.10	0.06	0.02
05/18/08 (Sun)	1.565	2.604	2.091	0.00	----	----
05/19/08 (Mon)	1.519	2.558	2.064	0.00	----	----
05/20/08 (Tue)	1.438	2.547	1.989	0.00	----	----
05/21/08 (Wed)	1.398	2.464	1.945	0.03	0.01	0.01
05/22/08 (Thu)	1.277	2.356	1.884	0.00	----	----
05/23/08 (Fri)	1.404	2.366	1.885	0.00	----	----
05/24/08 (Sat)	1.250	2.330	1.787	0.00	----	----
05/25/08 (Sun)	1.170	2.251	1.732	0.00	----	----
05/26/08 (Mon)	1.154	2.273	1.741	0.00	----	----
05/27/08 (Tue)	1.180	7.347	2.052	0.53	0.53	0.39
05/28/08 (Wed)	1.235	2.339	1.806	0.00	----	----
05/29/08 (Thu)	1.160	2.394	1.778	0.00	----	----
05/30/08 (Fri)	1.213	2.244	1.733	0.00	----	----
05/31/08 (Sat)	1.131	5.337	2.005	0.23	0.14	0.11
06/01/08 (Sun)	1.197	2.174	1.735	0.00	----	----
06/02/08 (Mon)	1.136	2.107	1.723	0.00	----	----
06/03/08 (Tue)	1.220	2.167	1.735	0.00	----	----
06/04/08 (Wed)	1.189	3.675	2.266	0.63	0.08	0.03
06/05/08 (Thu)	1.421	2.324	1.927	0.02	0.01	0.01
06/06/08 (Fri)	1.283	5.700	2.470	0.43	0.15	0.09
06/07/08 (Sat)	1.431	2.468	1.959	0.00	----	----
06/08/08 (Sun)	1.303	2.557	1.918	0.00	----	----
06/09/08 (Mon)	1.192	2.342	1.875	0.00	----	----
06/10/08 (Tue)	1.194	2.343	1.826	0.00	----	----
06/11/08 (Wed)	1.402	6.642	2.334	0.59	0.53	0.45
06/12/08 (Thu)	1.247	2.246	1.801	0.00	----	----
06/13/08 (Fri)	1.043	2.406	1.732	0.00	----	----
06/14/08 (Sat)	1.105	5.892	1.880	1.00	0.60	0.37
06/15/08 (Sun)	2.999	6.950	4.804	2.13	0.80	0.36
06/16/08 (Mon)	1.977	3.322	2.723	0.08	0.03	0.02
06/17/08 (Tue)	1.959	3.950	2.611	0.09	0.05	0.04
06/18/08 (Wed)	1.572	2.752	2.344	0.01	0.01	0.01
06/19/08 (Thu)	1.688	2.725	2.200	0.00	----	----
06/20/08 (Fri)	1.561	5.653	2.434	0.24	0.23	0.22
06/21/08 (Sat)	1.412	2.731	2.052	0.00	----	----
06/22/08 (Sun)	1.439	5.873	2.205	0.27	0.17	0.12
06/23/08 (Mon)	1.489	6.654	3.260	1.21	0.70	0.34
06/24/08 (Tue)	2.249	4.010	3.178	0.00	----	----
06/25/08 (Wed)	2.076	3.234	2.620	0.00	----	----
06/26/08 (Thu)	1.869	3.000	2.443	0.02	0.02	0.01
06/27/08 (Fri)	1.777	2.875	2.341	0.13	0.13	0.09

Portsmouth, NH

FAST Flow Summary

Site: 6 Puddle Lane
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
06/28/08 (Sat)	1.663	2.858	2.237	0.03	0.02	0.01
06/29/08 (Sun)	1.577	2.806	2.191	0.05	0.05	0.02
06/30/08 (Mon)	1.515	2.621	2.147	0.04	0.03	0.03
07/01/08 (Tue)	1.491	6.896	2.235	0.33	0.33	0.21
07/02/08 (Wed)	1.503	2.504	2.055	0.01	0.01	0.01
07/03/08 (Thu)	1.368	5.376	2.298	0.29	0.17	0.11
07/04/08 (Fri)	1.435	3.159	2.197	0.20	0.09	0.05
07/05/08 (Sat)	1.388	2.480	1.980	0.00	----	----
07/06/08 (Sun)	1.344	2.415	1.981	0.00	----	----
07/07/08 (Mon)	1.453	2.603	1.997	0.00	----	----
07/08/08 (Tue)	1.316	2.647	1.915	0.00	----	----
07/09/08 (Wed)	1.280	6.581	2.088	0.17	0.16	0.15
07/10/08 (Thu)	1.203	2.412	1.831	0.01	0.01	0.01
07/11/08 (Fri)	1.096	2.376	1.761	0.00	----	----
07/12/08 (Sat)	1.140	2.334	1.736	0.00	----	----
07/13/08 (Sun)	0.963	2.252	1.730	0.00	----	----
07/14/08 (Mon)	0.953	2.316	1.693	0.00	----	----
07/15/08 (Tue)	1.011	2.203	1.686	0.00	----	----
07/16/08 (Wed)	0.979	2.153	1.660	0.00	----	----
07/17/08 (Thu)	1.058	2.117	1.683	0.00	----	----
07/18/08 (Fri)	1.068	6.326	2.533	2.39	2.05	1.38
07/19/08 (Sat)	2.219	6.054	3.397	0.34	0.22	0.14
07/20/08 (Sun)	1.674	7.804	2.540	1.72	1.04	0.38
07/21/08 (Mon)	2.778	8.124	4.307	0.03	0.01	0.01
07/22/08 (Tue)	2.293	3.521	2.774	0.00	----	----
07/23/08 (Wed)	1.860	7.605	3.261	1.16	0.72	0.41
07/24/08 (Thu)	3.343	7.634	6.026	1.77	0.30	0.13
07/25/08 (Fri)	4.162	8.014	5.861	0.01	0.01	0.01
07/26/08 (Sat)	3.012	4.639	3.867	0.00	----	----
07/27/08 (Sun)	2.310	6.158	3.507	0.41	0.20	0.07
07/28/08 (Mon)	2.275	3.595	3.034	0.00	----	----
07/29/08 (Tue)	2.145	3.417	2.782	0.00	----	----
07/30/08 (Wed)	1.843	3.373	2.617	0.00	----	----
07/31/08 (Thu)	1.917	8.054	3.291	0.95	0.56	0.44
08/01/08 (Fri)	2.201	3.422	2.866	0.06	0.06	0.03
08/02/08 (Sat)	2.051	4.982	2.851	0.15	0.12	0.04
08/03/08 (Sun)	1.863	4.220	2.569	0.07	0.06	0.02
08/04/08 (Mon)	1.867	3.138	2.436	0.05	0.04	0.03
08/05/08 (Tue)	1.537	2.797	2.232	0.00	----	----
08/06/08 (Wed)	1.558	7.649	3.423	0.93	0.38	0.17
08/07/08 (Thu)	1.950	3.248	2.688	0.00	----	----
08/08/08 (Fri)	1.993	7.373	2.860	0.23	0.09	0.07
08/09/08 (Sat)	1.930	3.111	2.462	0.00	----	----
08/10/08 (Sun)	1.656	2.842	2.309	0.00	----	----
08/11/08 (Mon)	1.592	4.422	2.462	0.27	0.13	0.07
08/12/08 (Tue)	2.356	7.572	3.456	0.40	0.15	0.06

Portsmouth, NH

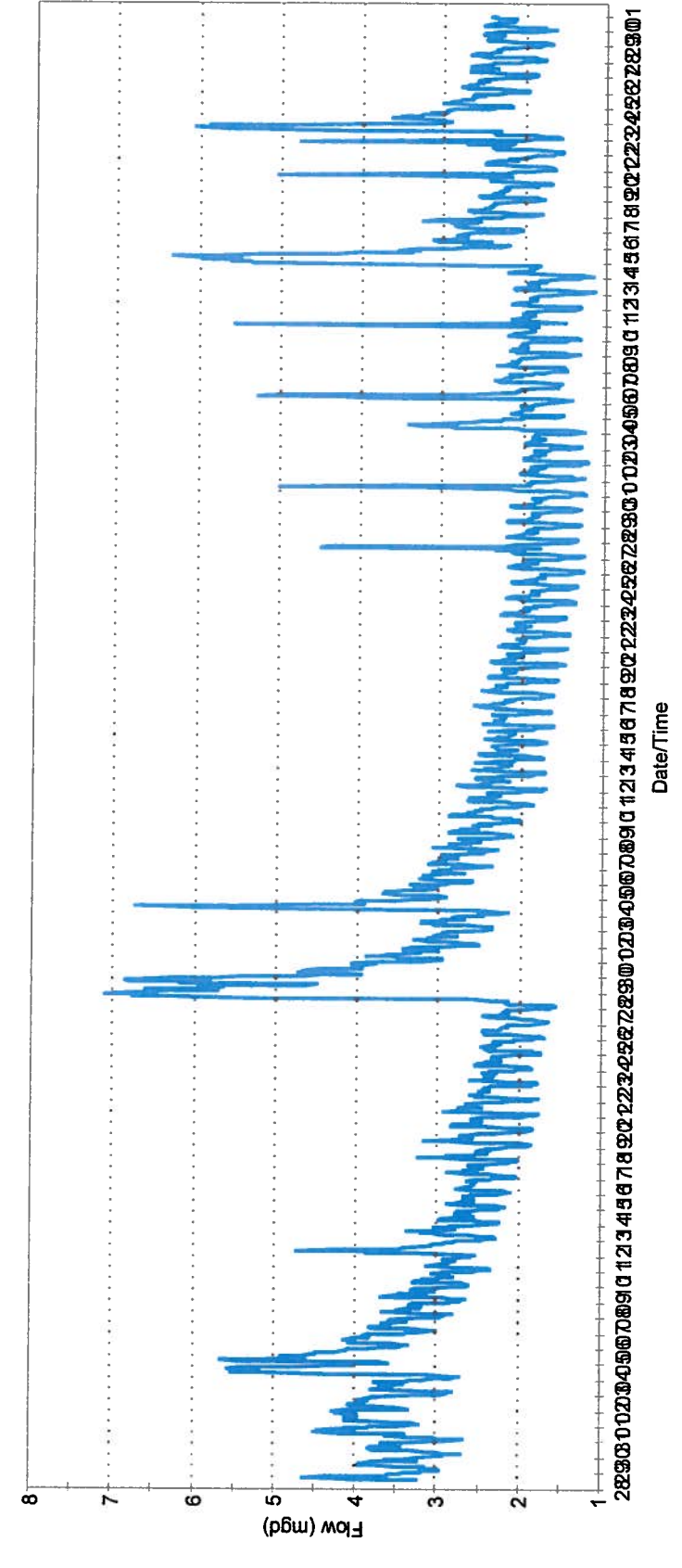
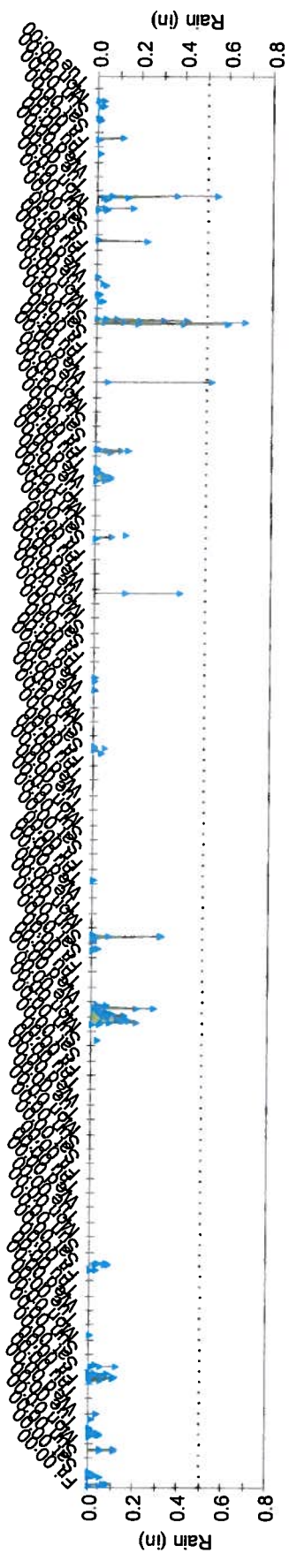
FAST Flow Summary

Site: 6 Puddle Lane
 Meter Type: FLOW
 Pipe Shape: 30" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/13/08 (Wed)	2.119	3.166	2.640	0.00	-----	-----
08/14/08 (Thu)	1.852	3.078	2.429	0.00	-----	-----
08/15/08 (Fri)	1.535	2.925	2.291	0.03	0.02	0.01
08/16/08 (Sat)	1.556	5.285	2.300	0.21	0.19	0.13
08/17/08 (Sun)	1.641	2.972	2.243	0.00	-----	-----
08/18/08 (Mon)	1.576	2.878	2.212	0.00	-----	-----
08/19/08 (Tue)	1.519	2.870	2.076	0.01	0.01	0.01
08/20/08 (Wed)	1.337	2.505	2.018	0.00	-----	-----
08/21/08 (Thu)	1.248	2.430	1.968	0.00	-----	-----
08/22/08 (Fri)	1.306	2.383	1.938	0.00	-----	-----
08/23/08 (Sat)	1.204	2.473	1.866	0.00	-----	-----
08/24/08 (Sun)	1.209	2.476	1.865	0.00	-----	-----
08/25/08 (Mon)	1.315	2.459	1.876	0.00	-----	-----
08/26/08 (Tue)	1.138	2.272	1.793	0.00	-----	-----
08/27/08 (Wed)	1.078	2.306	1.774	0.00	-----	-----
08/28/08 (Thu)	1.104	2.251	1.780	0.00	-----	-----
08/29/08 (Fri)	1.115	2.351	1.724	0.00	-----	-----
08/30/08 (Sat)	1.102	2.335	1.675	0.00	-----	-----
08/31/08 (Sun)	0.985	2.234	1.616	0.00	-----	-----
09/01/08 (Mon)	0.942	2.196	1.591	0.00	-----	-----
09/02/08 (Tue)	0.934	2.129	1.621	0.00	-----	-----
09/03/08 (Wed)	0.981	2.064	0.488	0.00	-----	-----
Total for period:			401.141	26.45		
Minimum for period:			0.934			
Maximum for period:			8.124			
Average for period:			2.523			

Prepared by Flow Assessment Services, LLC
For: in Portsmouth, NH
Site: 6 / Puddle Lane

FLOW ANALYSIS
Period Covered: 03/28/2008 - 06/30/2008



Site 6

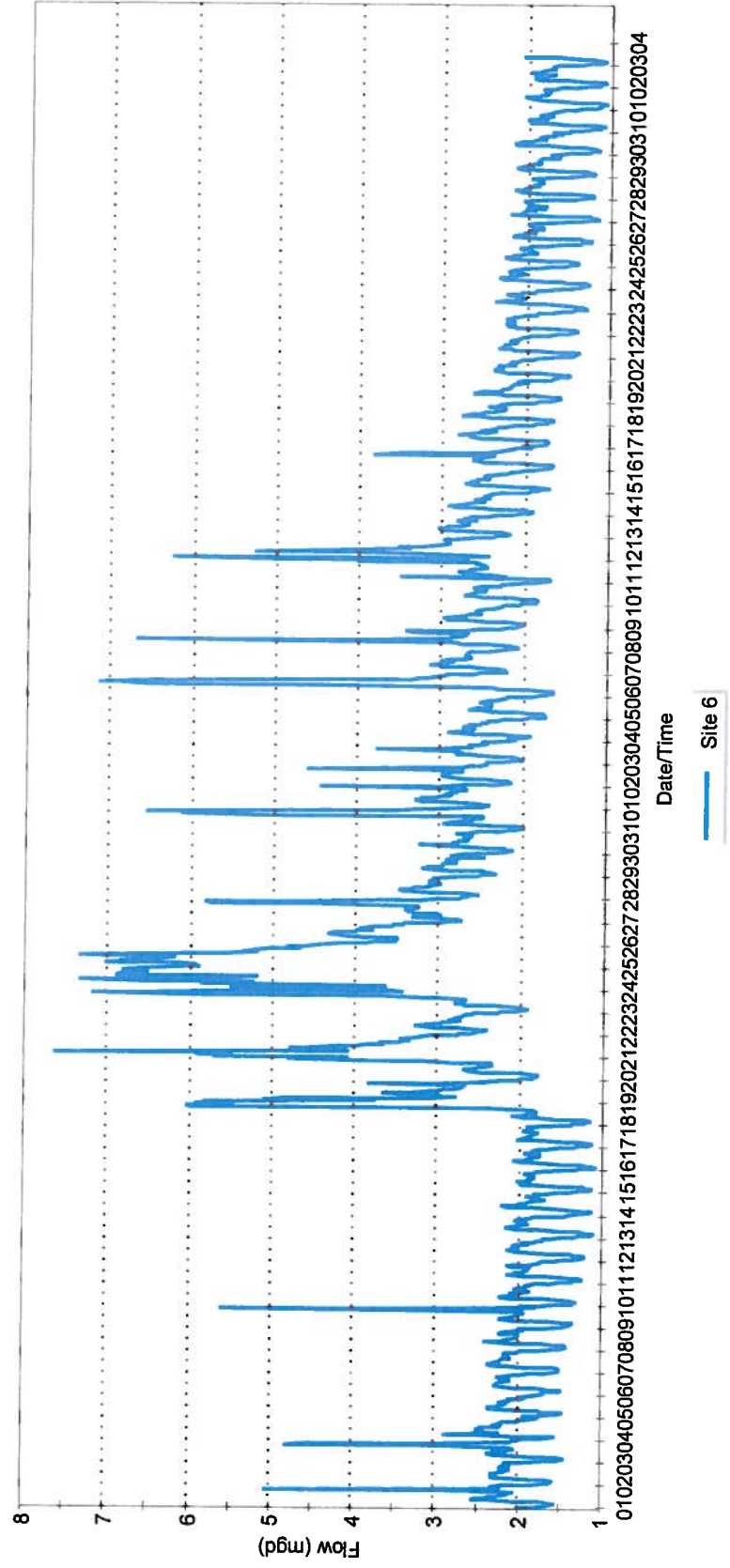
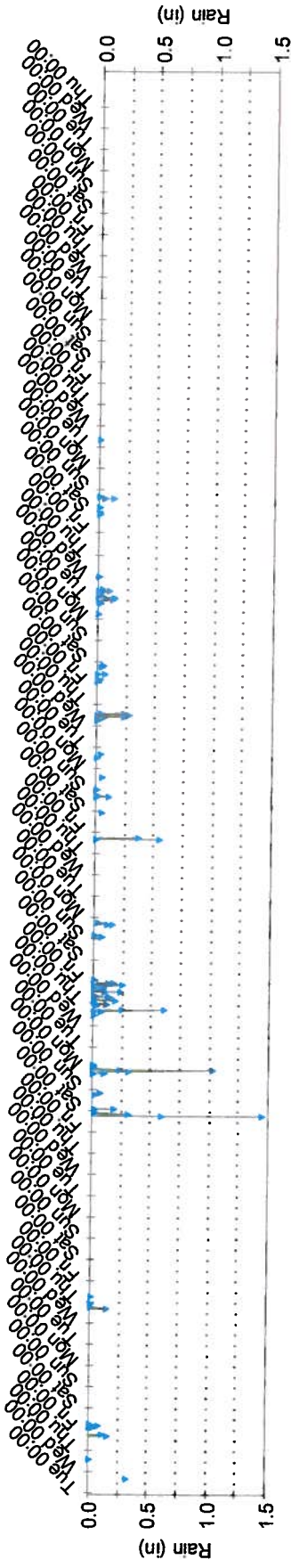
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 6 / Puddle Lane

FLOW ANALYSIS

Period Covered: 07/01/2008 - 09/03/2008



Site 6

Portsmouth, NH

FAST Flow Summary

Site: 11 Recci Supply
 Meter Type: FLOW
 Pipe Shape: 36" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/28/08 (Fri)	1.074	2.402	0.649	0.42	0.10	0.04
03/29/08 (Sat)	0.960	1.671	1.252	0.02	0.01	0.01
03/30/08 (Sun)	0.891	1.412	1.185	0.36	0.14	0.04
03/31/08 (Mon)	1.031	2.093	1.458	0.31	0.06	0.03
04/01/08 (Tue)	1.232	2.028	1.526	0.12	0.07	0.04
04/02/08 (Wed)	1.222	1.929	1.425	0.00	----	----
04/03/08 (Thu)	1.066	1.608	1.324	0.00	----	----
04/04/08 (Fri)	1.062	3.007	1.735	0.71	0.12	0.06
04/05/08 (Sat)	1.162	3.599	1.574	0.24	0.14	0.05
04/06/08 (Sun)	1.108	1.548	1.277	0.00	----	----
04/07/08 (Mon)	1.020	1.658	1.320	0.01	0.01	0.01
04/08/08 (Tue)	0.955	1.479	1.223	0.00	----	----
04/09/08 (Wed)	0.915	1.452	1.150	0.00	----	----
04/10/08 (Thu)	0.825	1.400	1.115	0.00	----	----
04/11/08 (Fri)	0.752	1.329	1.052	0.04	0.03	0.01
04/12/08 (Sat)	0.730	3.606	1.210	0.31	0.12	0.07
04/13/08 (Sun)	0.688	1.195	0.974	0.00	----	----
04/14/08 (Mon)	0.730	1.347	1.062	0.00	----	----
04/15/08 (Tue)	0.703	1.292	0.994	0.00	----	----
04/16/08 (Wed)	0.660	1.263	0.964	0.00	----	----
04/17/08 (Thu)	0.652	1.275	0.960	0.00	----	----
04/18/08 (Fri)	0.670	1.287	0.933	0.00	----	----
04/19/08 (Sat)	0.569	1.068	0.804	0.00	----	----
04/20/08 (Sun)	0.537	0.914	0.754	0.00	----	----
04/21/08 (Mon)	0.567	1.166	0.871	0.00	----	----
04/22/08 (Tue)	0.582	1.145	0.853	0.00	----	----
04/23/08 (Wed)	0.559	1.150	0.874	0.00	----	----
04/24/08 (Thu)	0.622	1.210	0.877	0.00	----	----
04/25/08 (Fri)	0.606	1.147	0.832	0.00	----	----
04/26/08 (Sat)	0.502	0.930	0.674	0.00	----	----
04/27/08 (Sun)	0.470	0.866	0.642	0.03	0.03	0.02
04/28/08 (Mon)	0.433	4.933	1.641	1.49	0.25	0.08
04/29/08 (Tue)	1.556	9.544	2.815	1.41	0.35	0.11
04/30/08 (Wed)	1.172	1.912	1.512	0.00	----	----
05/01/08 (Thu)	0.873	1.555	1.238	0.00	----	----
05/02/08 (Fri)	0.899	1.374	1.098	0.00	----	----
05/03/08 (Sat)	0.728	1.220	0.979	0.06	0.03	0.02
05/04/08 (Sun)	0.761	7.017	1.653	0.80	0.41	0.13
05/05/08 (Mon)	1.045	1.938	1.401	0.00	----	----
05/06/08 (Tue)	1.103	1.935	1.439	0.00	----	----
05/07/08 (Wed)	1.018	1.837	1.346	0.00	----	----
05/08/08 (Thu)	1.014	1.919	1.325	0.02	0.02	0.01
05/09/08 (Fri)	0.851	1.636	1.186	0.00	----	----
05/10/08 (Sat)	0.816	1.256	1.020	0.00	----	----
05/11/08 (Sun)	0.775	1.143	0.979	0.00	----	----
05/12/08 (Mon)	0.760	1.320	1.099	0.00	----	----

Portsmouth, NH

FAST Flow Summary

Site: 11 Recci Supply
 Meter Type: FLOW
 Pipe Shape: 36" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/13/08 (Tue)	0.760	1.558	1.087	0.00	----	----
05/14/08 (Wed)	0.656	1.414	1.063	0.00	----	----
05/15/08 (Thu)	0.681	1.446	1.024	0.00	----	----
05/16/08 (Fri)	0.689	1.821	1.036	0.04	0.04	0.03
05/17/08 (Sat)	0.671	1.524	0.915	0.10	0.06	0.02
05/18/08 (Sun)	0.613	1.276	0.862	0.00	----	----
05/19/08 (Mon)	0.606	1.530	1.014	0.00	----	----
05/20/08 (Tue)	0.619	1.371	0.989	0.00	----	----
05/21/08 (Wed)	0.706	1.389	1.017	0.03	0.01	0.01
05/22/08 (Thu)	0.768	1.385	0.993	0.00	----	----
05/23/08 (Fri)	0.667	1.496	0.967	0.00	----	----
05/24/08 (Sat)	0.564	1.158	0.775	0.00	----	----
05/25/08 (Sun)	0.489	1.060	0.723	0.00	----	----
05/26/08 (Mon)	0.512	1.138	0.749	0.00	----	----
05/27/08 (Tue)	0.609	6.719	1.091	0.53	0.53	0.39
05/28/08 (Wed)	0.451	1.405	0.888	0.00	----	----
05/29/08 (Thu)	0.527	1.312	0.883	0.00	----	----
05/30/08 (Fri)	0.520	1.221	0.839	0.00	----	----
05/31/08 (Sat)	0.519	6.935	0.953	0.23	0.14	0.11
06/01/08 (Sun)	0.439	1.213	0.700	0.00	----	----
06/02/08 (Mon)	0.478	1.377	0.862	0.00	----	----
06/03/08 (Tue)	0.551	1.348	0.903	0.00	----	----
06/04/08 (Wed)	0.564	2.240	1.230	0.63	0.08	0.03
06/05/08 (Thu)	0.682	1.368	0.990	0.02	0.01	0.01
06/06/08 (Fri)	0.689	6.967	1.348	0.43	0.15	0.09
06/07/08 (Sat)	0.594	1.067	0.812	0.00	----	----
06/08/08 (Sun)	0.532	1.065	0.762	0.00	----	----
06/09/08 (Mon)	0.670	1.301	0.923	0.00	----	----
06/10/08 (Tue)	0.597	1.349	0.983	0.00	----	----
06/11/08 (Wed)	0.399	12.766	1.693	0.59	0.53	0.45
06/12/08 (Thu)	0.660	1.278	0.982	0.00	----	----
06/13/08 (Fri)	0.566	1.202	0.905	0.00	----	----
06/14/08 (Sat)	0.499	3.819	0.866	1.00	0.60	0.37
06/15/08 (Sun)	1.254	14.427	3.580	2.13	0.80	0.36
06/16/08 (Mon)	1.044	1.738	1.344	0.08	0.03	0.02
06/17/08 (Tue)	0.912	2.727	1.302	0.09	0.05	0.04
06/18/08 (Wed)	0.759	1.417	1.091	0.01	0.01	0.01
06/19/08 (Thu)	0.691	1.429	0.994	0.00	----	----
06/20/08 (Fri)	0.654	11.644	1.324	0.24	0.23	0.22
06/21/08 (Sat)	0.871	1.537	1.193	0.00	----	----
06/22/08 (Sun)	0.740	4.089	1.296	0.27	0.17	0.12
06/23/08 (Mon)	0.903	12.572	2.697	1.21	0.70	0.34
06/24/08 (Tue)	1.300	2.208	1.786	0.00	----	----
06/25/08 (Wed)	0.990	1.984	1.449	0.00	----	----
06/26/08 (Thu)	0.976	1.830	1.346	0.02	0.02	0.01
06/27/08 (Fri)	0.743	1.681	1.190	0.13	0.13	0.09

Portsmouth, NH

FAST Flow Summary

Site: 11 Recci Supply
 Meter Type: FLOW
 Pipe Shape: 36" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
06/28/08 (Sat)	0.625	1.539	0.993	0.03	0.02	0.01
06/29/08 (Sun)	0.590	1.552	0.988	0.05	0.05	0.02
06/30/08 (Mon)	0.806	1.577	1.167	0.04	0.03	0.03
07/01/08 (Tue)	0.815	2.743	1.177	0.33	0.33	0.21
07/02/08 (Wed)	0.582	1.564	1.095	0.01	0.01	0.01
07/03/08 (Thu)	0.604	4.492	1.195	0.29	0.17	0.11
07/04/08 (Fri)	0.718	2.567	1.092	0.20	0.09	0.05
07/05/08 (Sat)	0.533	1.251	0.890	0.00	----	----
07/06/08 (Sun)	0.521	1.405	0.845	0.00	----	----
07/07/08 (Mon)	0.548	1.353	0.994	0.00	----	----
07/08/08 (Tue)	0.611	1.276	0.998	0.00	----	----
07/09/08 (Wed)	0.576	8.581	1.233	0.17	0.16	0.15
07/10/08 (Thu)	0.950	1.517	1.210	0.01	0.01	0.01
07/11/08 (Fri)	0.872	1.440	1.125	0.00	----	----
07/12/08 (Sat)	0.647	1.221	0.902	0.00	----	----
07/13/08 (Sun)	0.658	1.141	0.885	0.00	----	----
07/14/08 (Mon)	0.755	1.463	1.069	0.00	----	----
07/15/08 (Tue)	0.649	1.367	1.044	0.00	----	----
07/16/08 (Wed)	0.799	1.433	1.099	0.00	----	----
07/17/08 (Thu)	0.838	1.445	1.096	0.00	----	----
07/18/08 (Fri)	0.899	13.797	2.888	2.39	2.05	1.38
07/19/08 (Sat)	1.112	6.958	2.042	0.34	0.22	0.14
07/20/08 (Sun)	0.730	14.346	2.274	1.72	1.04	0.38
07/21/08 (Mon)	1.711	13.036	3.237	0.03	0.01	0.01
07/22/08 (Tue)	1.197	2.157	1.634	0.00	----	----
07/23/08 (Wed)	0.964	17.292	2.807	1.16	0.72	0.41
07/24/08 (Thu)	2.254	11.930	4.772	1.77	0.30	0.13
07/25/08 (Fri)	2.174	8.349	3.449	0.01	0.01	0.01
07/26/08 (Sat)	1.704	2.599	2.023	0.00	----	----
07/27/08 (Sun)	1.440	5.567	2.007	0.41	0.20	0.07
07/28/08 (Mon)	1.295	2.121	1.686	0.00	----	----
07/29/08 (Tue)	1.191	2.020	1.550	0.00	----	----
07/30/08 (Wed)	0.941	1.882	1.414	0.00	----	----
07/31/08 (Thu)	0.958	12.167	2.175	0.95	0.56	0.44
08/01/08 (Fri)	1.110	2.245	1.577	0.06	0.06	0.03
08/02/08 (Sat)	0.918	3.579	1.517	0.15	0.12	0.04
08/03/08 (Sun)	0.962	4.833	1.452	0.07	0.06	0.02
08/04/08 (Mon)	1.031	1.848	1.437	0.05	0.04	0.03
08/05/08 (Tue)	0.973	1.873	1.357	0.00	----	----
08/06/08 (Wed)	0.887	13.913	2.427	0.93	0.38	0.17
08/07/08 (Thu)	1.251	2.118	1.580	0.00	----	----
08/08/08 (Fri)	1.006	8.368	1.708	0.23	0.09	0.07
08/09/08 (Sat)	1.010	1.601	1.288	0.00	----	----
08/10/08 (Sun)	0.853	1.679	1.184	0.00	----	----
08/11/08 (Mon)	0.827	2.368	1.206	0.27	0.13	0.07
08/12/08 (Tue)	0.773	4.216	1.440	0.40	0.15	0.06

Portsmouth, NH

FAST Flow Summary

Site: 11 Recci Supply
Meter Type: FLOW
Pipe Shape: 36" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/13/08 (Wed)	0.743	1.331	1.037	0.00	-----	-----
08/14/08 (Thu)	0.643	1.278	0.927	0.00	-----	-----
08/15/08 (Fri)	0.636	1.273	0.861	0.03	0.02	0.01
08/16/08 (Sat)	0.551	2.214	0.812	0.21	0.19	0.13
08/17/08 (Sun)	0.492	1.010	0.747	0.00	-----	-----
08/18/08 (Mon)	0.543	1.144	0.821	0.00	-----	-----
08/19/08 (Tue)	0.529	1.170	0.834	0.01	0.01	0.01
08/20/08 (Wed)	0.492	1.050	0.806	0.00	-----	-----
08/21/08 (Thu)	0.514	1.070	0.272	0.00	-----	-----

Total for period: 187.036 26.45
Minimum for period: 0.399
Maximum for period: 17.292
Average for period: 1.281

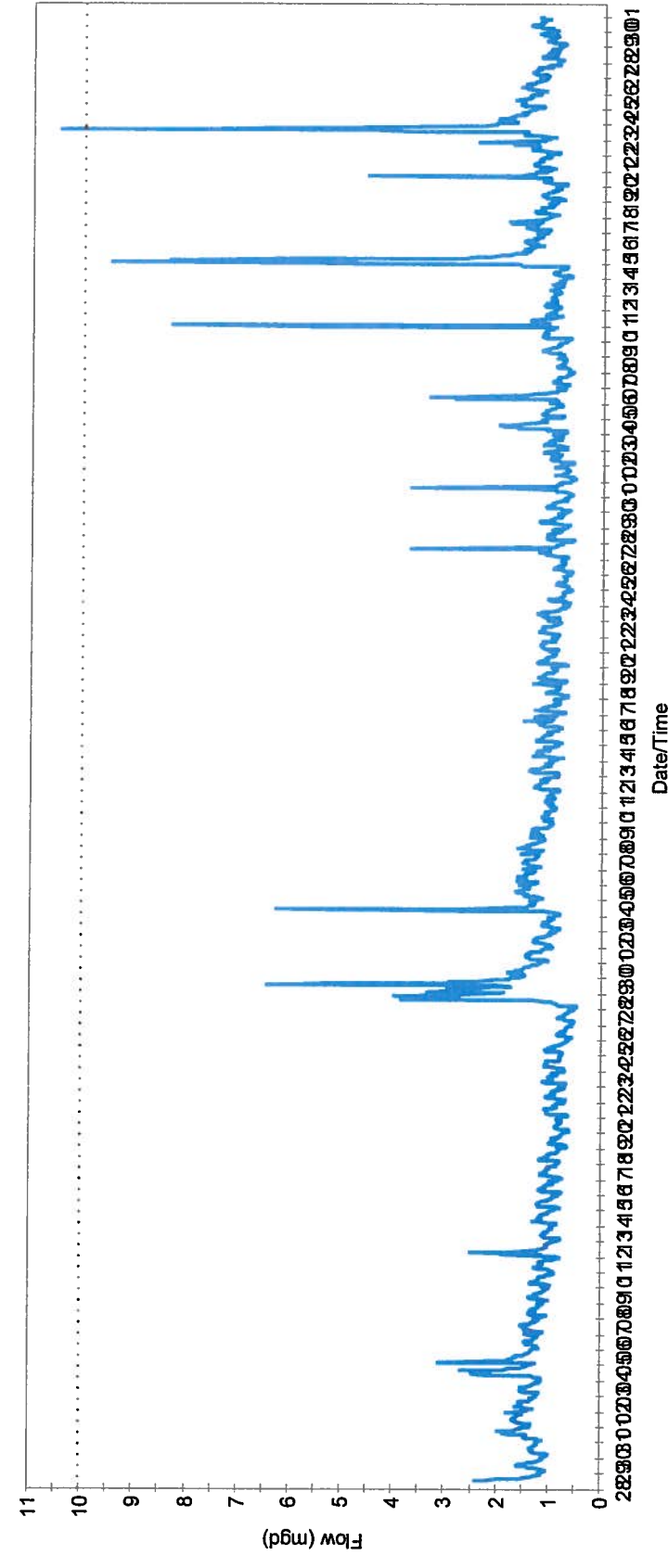
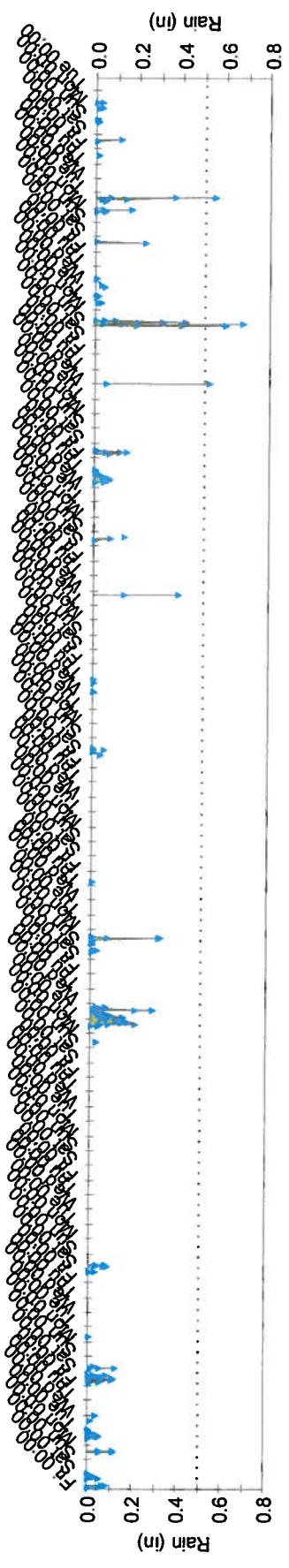
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 11 / Recci Supply

FLOW ANALYSIS

Period Covered: 03/28/2008 - 06/30/2008



Site 11

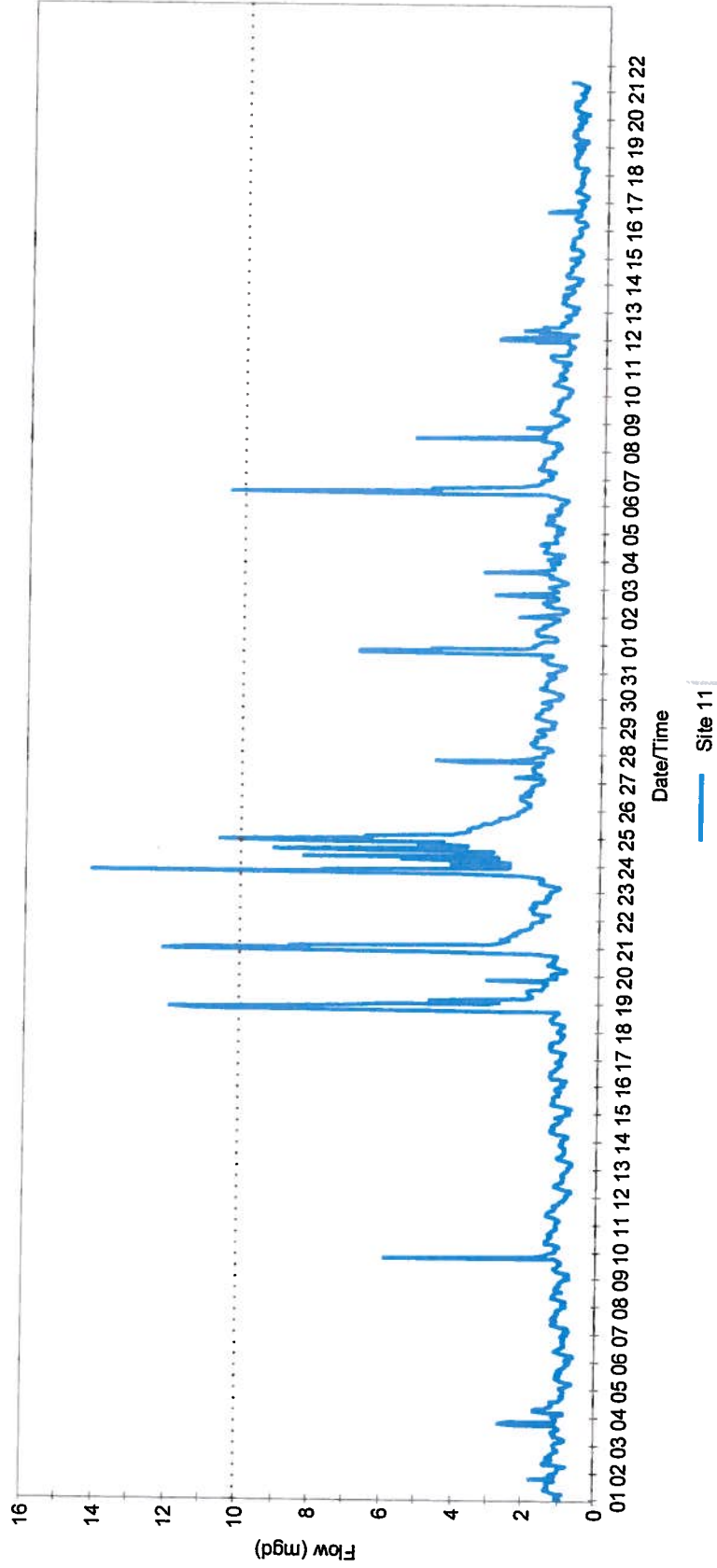
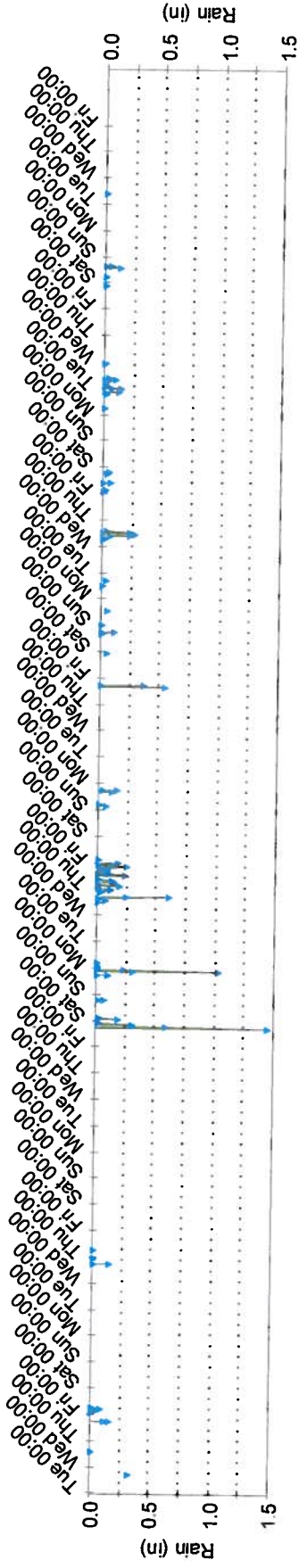
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 11 / Recci Supply

FLOW ANALYSIS

Period Covered: 07/01/2008 - 08/21/2008



Portsmouth, NH

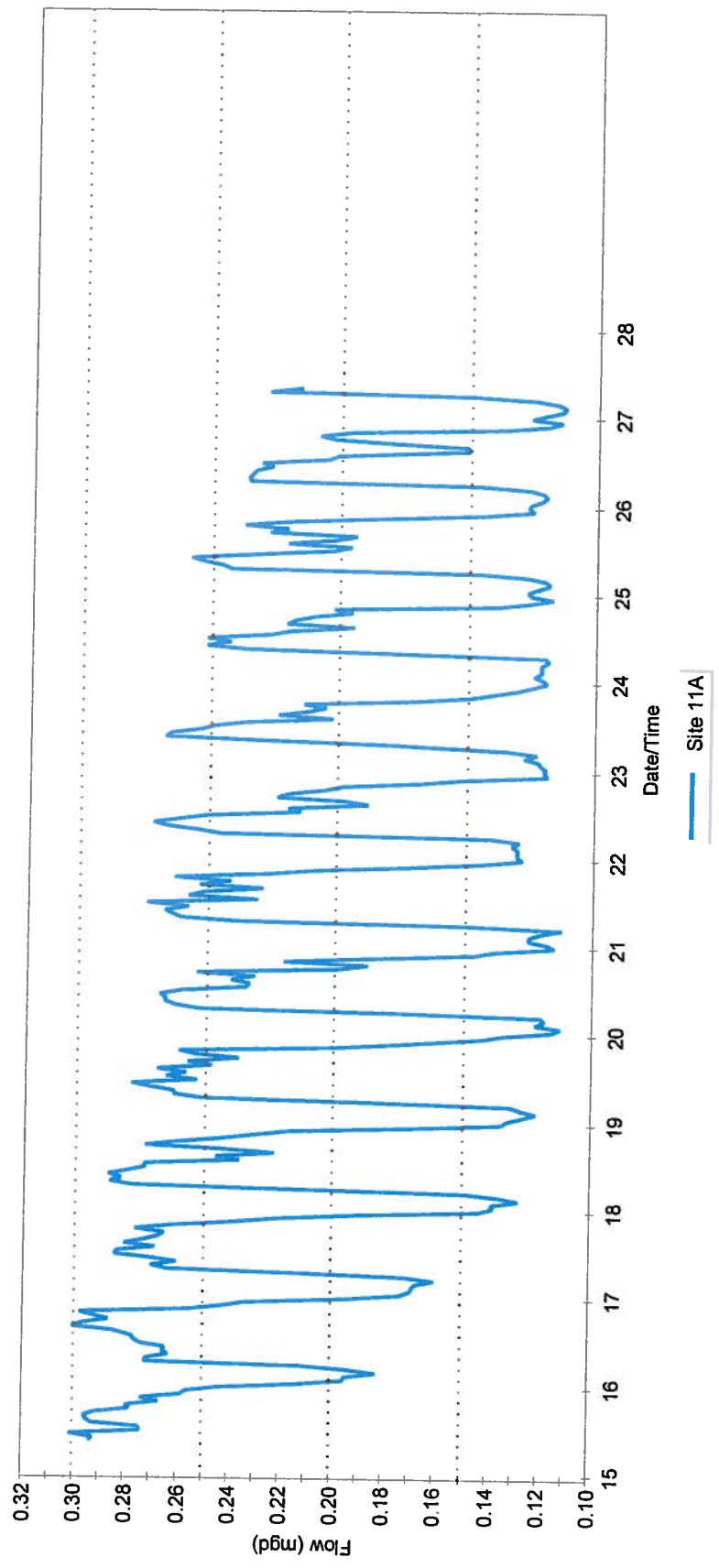
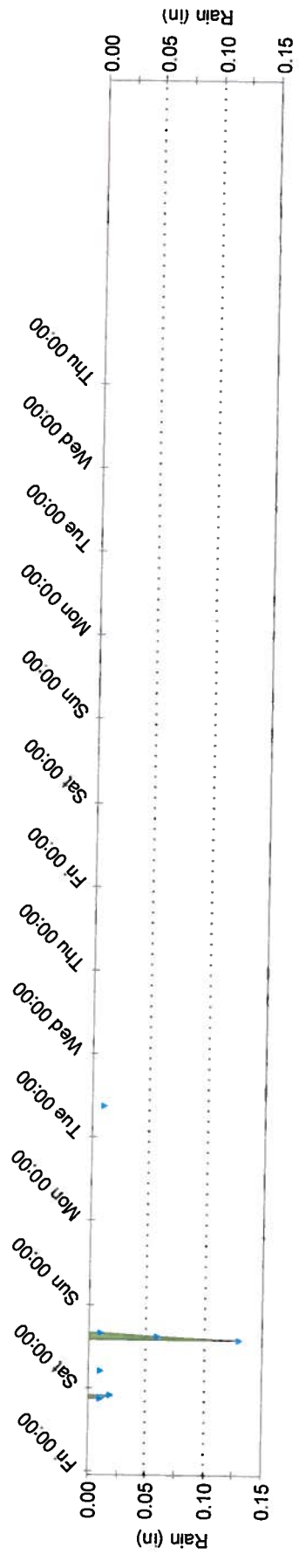
FAST Flow Summary

Site: 11A Islington St. at Elm Court
 Meter Type: FLOW
 Pipe Shape: 15" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/15/08 (Fri)	0.244	0.325	0.176	0.03	0.02	0.01
08/16/08 (Sat)	0.173	0.319	0.254	0.21	0.19	0.13
08/17/08 (Sun)	0.152	0.311	0.233	0.00	-----	-----
08/18/08 (Mon)	0.126	0.297	0.223	0.00	-----	-----
08/19/08 (Tue)	0.117	0.291	0.213	0.01	0.01	0.01
08/20/08 (Wed)	0.108	0.279	0.197	0.00	-----	-----
08/21/08 (Thu)	0.107	0.294	0.204	0.00	-----	-----
08/22/08 (Fri)	0.109	0.284	0.190	0.00	-----	-----
08/23/08 (Sat)	0.110	0.287	0.180	0.00	-----	-----
08/24/08 (Sun)	0.112	0.273	0.175	0.00	-----	-----
08/25/08 (Mon)	0.115	0.267	0.187	0.00	-----	-----
08/26/08 (Tue)	0.110	0.252	0.173	0.00	-----	-----
08/27/08 (Wed)	0.108	0.249	0.054	0.00	-----	-----
Total for period:			2.459	0.25		
Minimum for period:			0.107			
Maximum for period:			0.325			
Average for period:			0.205			

Prepared by Flow Assessment Services, LLC
For: in Portsmouth, NH
Site: 11A / Islington St. at Elm Court

FLOW ANALYSIS
Period Covered: 08/15/2008 - 08/27/2008



Portsmouth, NH

FAST Flow Summary

Site: 11B 33 Jewel Court
 Meter Type: FLOW
 Pipe Shape: 35" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/15/08 (Fri)	0.108	0.135	0.069	0.03	0.02	0.01
08/16/08 (Sat)	0.091	1.239	0.152	0.21	0.19	0.13
08/17/08 (Sun)	0.088	0.133	0.108	0.00	-----	-----
08/18/08 (Mon)	0.079	0.141	0.103	0.00	-----	-----
08/19/08 (Tue)	0.075	0.193	0.105	0.01	0.01	0.01
08/20/08 (Wed)	0.072	0.126	0.100	0.00	-----	-----
08/21/08 (Thu)	0.074	0.127	0.098	0.00	-----	-----
08/22/08 (Fri)	0.066	0.121	0.091	0.00	-----	-----
08/23/08 (Sat)	0.063	0.123	0.084	0.00	-----	-----
08/24/08 (Sun)	0.059	0.111	0.083	0.00	-----	-----
08/25/08 (Mon)	0.060	0.126	0.086	0.00	-----	-----
08/26/08 (Tue)	0.057	0.113	0.082	0.00	-----	-----
08/27/08 (Wed)	0.055	0.112	0.025	0.00	-----	-----
Total for period:			1.186	0.25		
Minimum for period:			0.055			
Maximum for period:			1.239			
Average for period:			0.099			

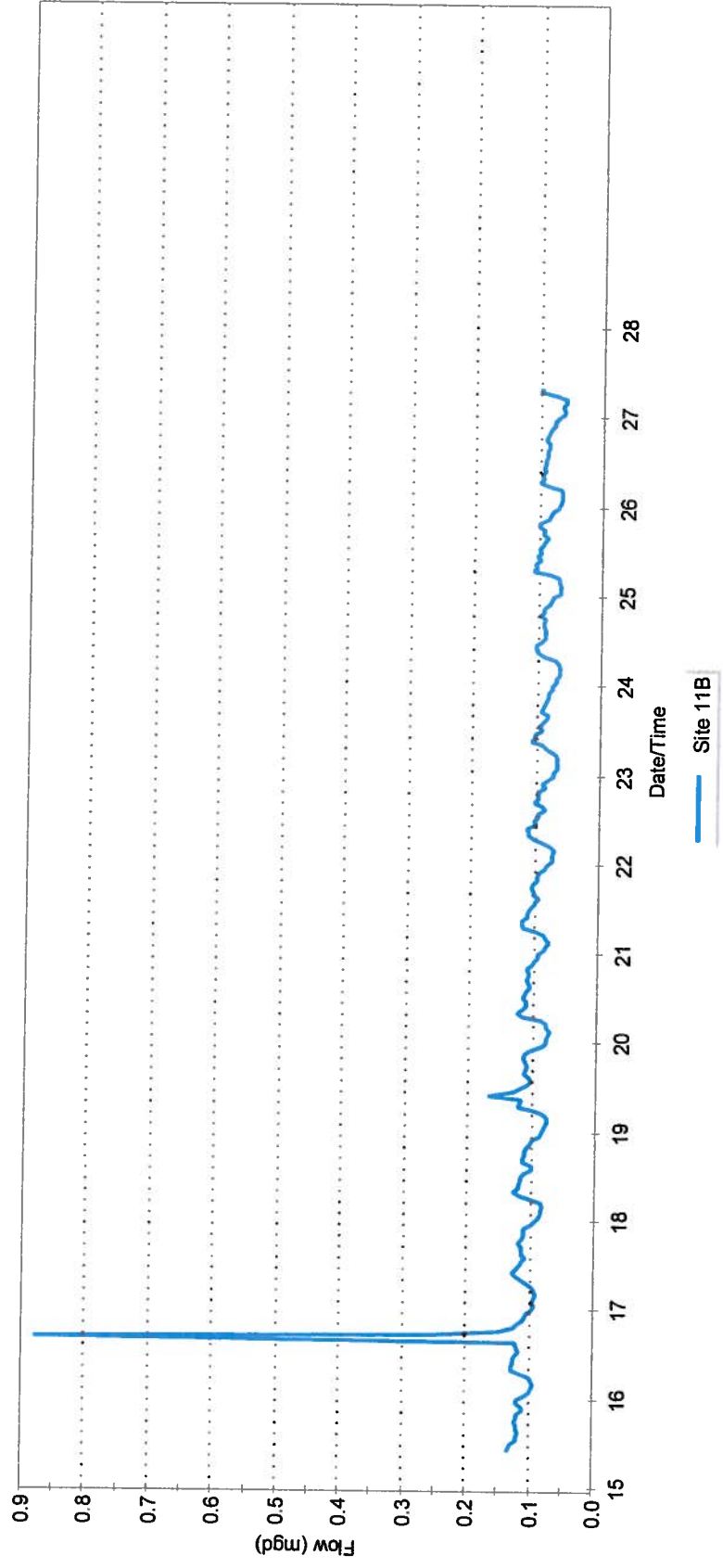
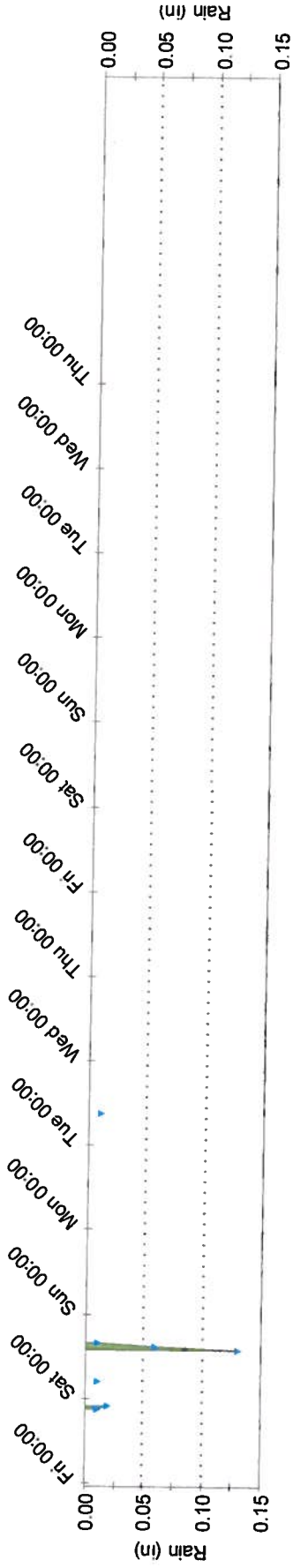
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 11B / 33 Jewel Court

FLOW ANALYSIS

Period Covered: 08/15/2008 - 08/27/2008



Portsmouth, NH

FAST Flow Summary

Site: 11C Islington St. at Columbia St.
 Meter Type: FLOW
 Pipe Shape: 15" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/15/08 (Fri)	0.040	0.079	0.031	0.03	0.02	0.01
08/16/08 (Sat)	0.031	0.157	0.058	0.21	0.19	0.13
08/17/08 (Sun)	0.033	0.081	0.054	0.00	-----	-----
08/18/08 (Mon)	0.016	0.094	0.053	0.00	-----	-----
08/19/08 (Tue)	0.020	0.083	0.050	0.01	0.01	0.01
08/20/08 (Wed)	0.018	0.086	0.047	0.00	-----	-----
08/21/08 (Thu)	0.015	0.089	0.044	0.00	-----	-----
08/22/08 (Fri)	0.023	0.089	0.048	0.00	-----	-----
08/23/08 (Sat)	0.020	0.084	0.045	0.00	-----	-----
08/24/08 (Sun)	0.020	0.072	0.042	0.00	-----	-----
08/25/08 (Mon)	0.020	0.074	0.045	0.00	-----	-----
08/26/08 (Tue)	0.016	0.084	0.047	0.00	-----	-----
08/27/08 (Wed)	0.019	0.085	0.016	0.00	-----	-----
Total for period:			0.579	0.25		
Minimum for period:			0.015			
Maximum for period:			0.157			
Average for period:			0.048			

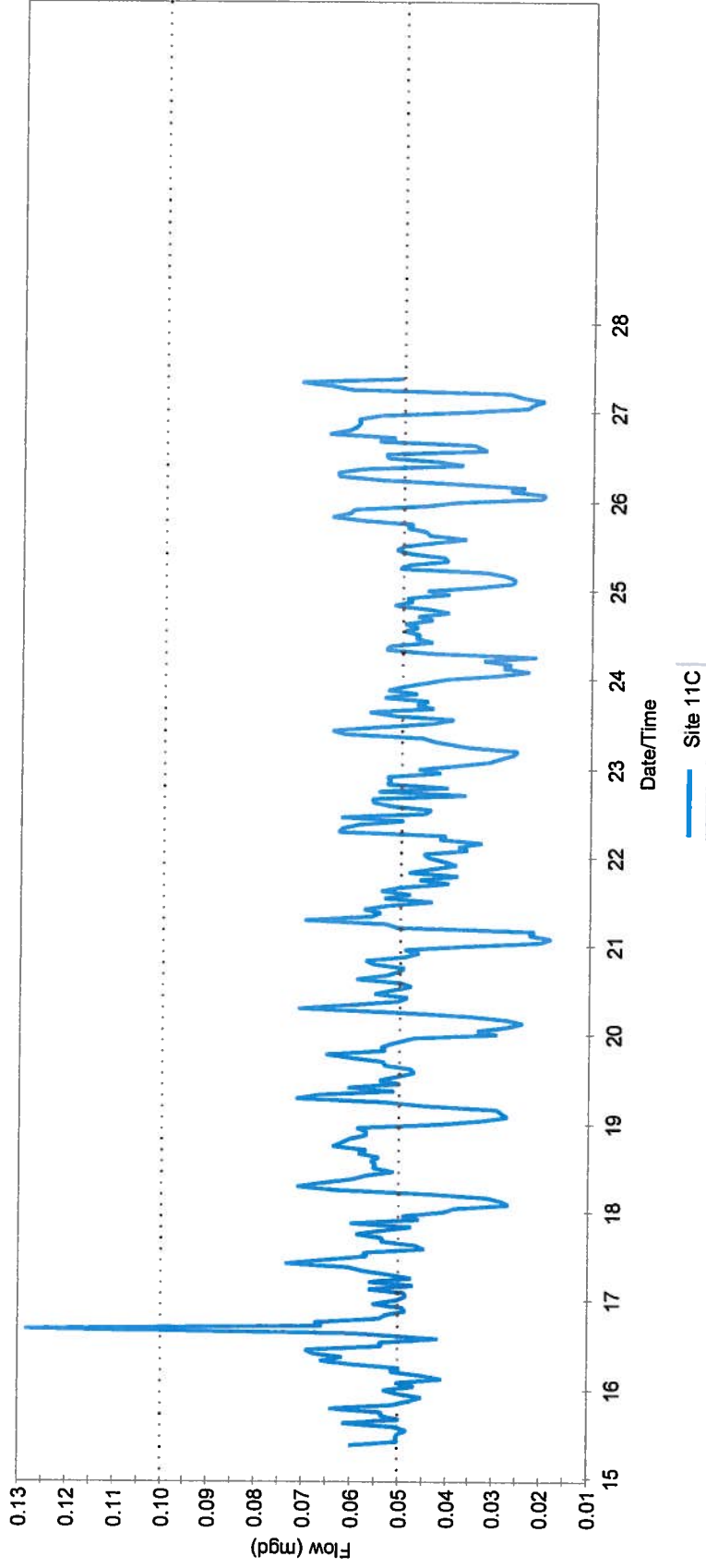
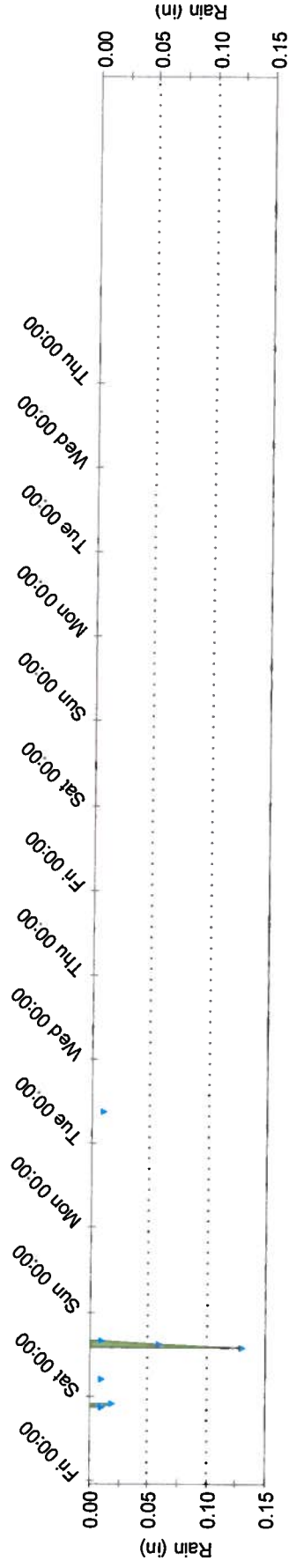
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 11C / Islington St. at Columbia St.

FLOW ANALYSIS

Period Covered: 08/15/2008 - 08/27/2008



Portsmouth, NH

FAST Flow Summary

Site: 11D Bartlett St.
Meter Type: FLOW
Pipe Shape: 10" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/15/08 (Fri)	0.052	0.075	0.035	0.03	0.02	0.01
08/16/08 (Sat)	0.034	0.122	0.060	0.21	0.19	0.13
08/17/08 (Sun)	0.032	0.079	0.053	0.00	-----	-----
08/18/08 (Mon)	0.033	0.081	0.053	0.00	-----	-----
08/19/08 (Tue)	0.020	0.104	0.049	0.01	0.01	0.01
08/20/08 (Wed)	0.034	0.083	0.052	0.00	-----	-----
08/21/08 (Thu)	0.026	0.067	0.046	0.00	-----	-----
08/22/08 (Fri)	0.020	0.077	0.035	0.00	-----	-----
08/23/08 (Sat)	0.016	0.060	0.030	0.00	-----	-----
08/24/08 (Sun)	0.017	0.056	0.031	0.00	-----	-----
08/25/08 (Mon)	0.014	0.048	0.027	0.00	-----	-----
08/26/08 (Tue)	0.010	0.048	0.022	0.00	-----	-----
08/27/08 (Wed)	0.009	0.031	0.005	0.00	-----	-----
Total for period:			0.497	0.25		
Minimum for period:			0.009			
Maximum for period:			0.122			
Average for period:			0.041			

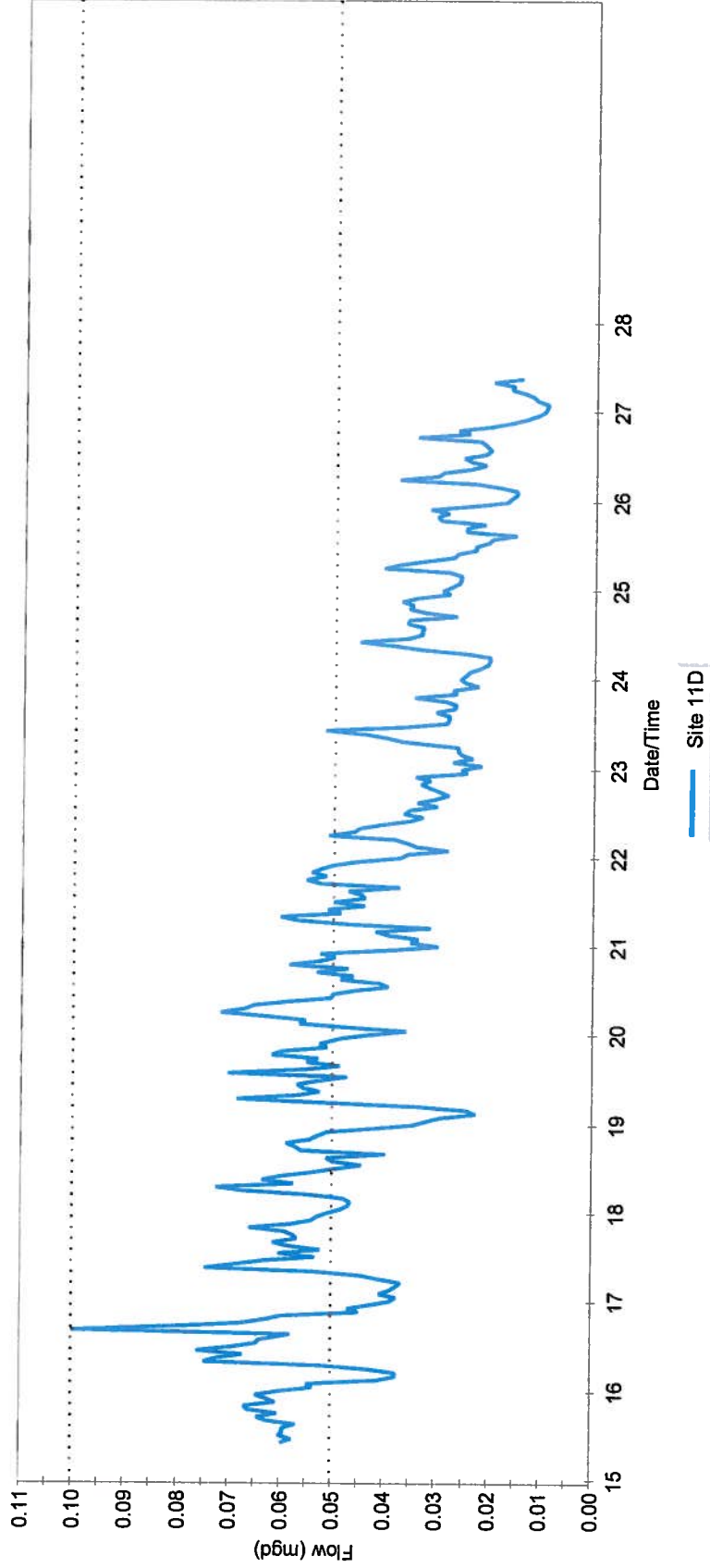
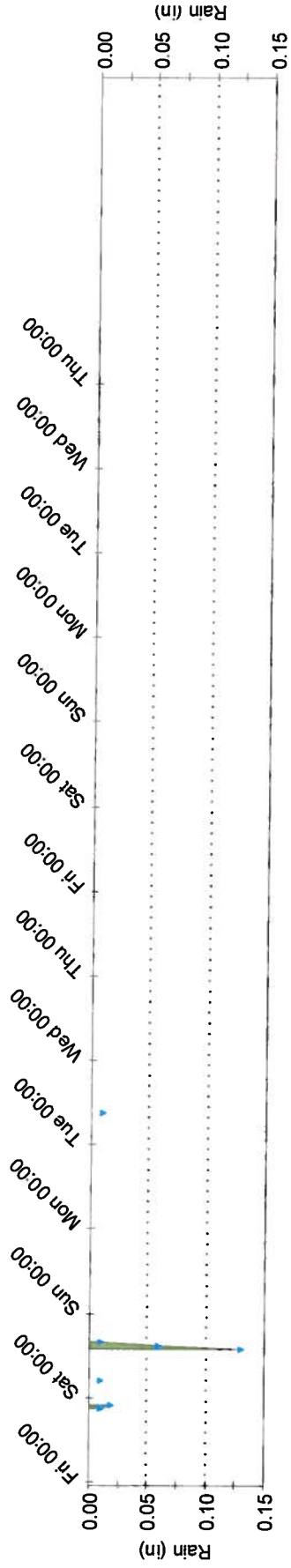
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 11D / Bartlett St.

FLOW ANALYSIS

Period Covered: 08/15/2008 - 08/27/2008



Portsmouth, NH

FAST Flow Summary

Site: 12 Maplewood Ave.
 Meter Type: FLOW
 Pipe Shape: 24" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/27/08 (Thu)	0.824	1.041	0.340	0.05	0.05	0.05
03/28/08 (Fri)	0.710	1.283	0.995	0.42	0.10	0.04
03/29/08 (Sat)	0.765	1.168	0.998	0.02	0.01	0.01
03/30/08 (Sun)	0.786	1.214	1.003	0.36	0.14	0.04
03/31/08 (Mon)	0.824	1.278	1.047	0.31	0.06	0.03
04/01/08 (Tue)	0.921	1.325	1.148	0.12	0.07	0.04
04/02/08 (Wed)	0.957	1.241	1.118	0.00	----	----
04/03/08 (Thu)	0.877	1.218	1.052	0.00	----	----
04/04/08 (Fri)	0.847	1.681	1.230	0.71	0.12	0.06
04/05/08 (Sat)	1.060	1.555	1.292	0.24	0.14	0.05
04/06/08 (Sun)	1.018	1.318	1.171	0.00	----	----
04/07/08 (Mon)	0.917	1.344	1.112	0.01	0.01	0.01
04/08/08 (Tue)	0.890	1.168	1.062	0.00	----	----
04/09/08 (Wed)	0.823	1.199	0.994	0.00	----	----
04/10/08 (Thu)	0.767	1.084	0.938	0.00	----	----
04/11/08 (Fri)	0.697	1.027	0.872	0.04	0.03	0.01
04/12/08 (Sat)	0.696	1.321	0.951	0.31	0.12	0.07
04/13/08 (Sun)	0.643	1.005	0.839	0.00	----	----
04/14/08 (Mon)	0.586	0.956	0.793	0.00	----	----
04/15/08 (Tue)	0.590	0.882	0.763	0.00	----	----
04/16/08 (Wed)	0.544	0.924	0.750	0.00	----	----
04/17/08 (Thu)	0.528	0.875	0.740	0.00	----	----
04/18/08 (Fri)	0.495	0.874	0.718	0.00	----	----
04/19/08 (Sat)	0.468	0.851	0.692	0.00	----	----
04/20/08 (Sun)	0.467	0.797	0.666	0.00	----	----
04/21/08 (Mon)	0.430	0.784	0.643	0.00	----	----
04/22/08 (Tue)	0.407	0.784	0.614	0.00	----	----
04/23/08 (Wed)	0.380	0.753	0.603	0.00	----	----
04/24/08 (Thu)	0.413	0.730	0.595	0.00	----	----
04/25/08 (Fri)	0.369	0.726	0.585	0.00	----	----
04/26/08 (Sat)	0.392	0.744	0.573	0.00	----	----
04/27/08 (Sun)	0.342	0.701	0.538	0.03	0.03	0.02
04/28/08 (Mon)	0.333	2.868	0.849	1.49	0.25	0.08
04/29/08 (Tue)	1.120	2.427	1.517	1.41	0.35	0.11
04/30/08 (Wed)	1.117	1.497	1.284	0.00	----	----
05/01/08 (Thu)	0.920	1.178	1.062	0.00	----	----
05/02/08 (Fri)	0.806	1.078	0.937	0.00	----	----
05/03/08 (Sat)	0.687	1.083	0.874	0.06	0.03	0.02
05/04/08 (Sun)	0.665	1.939	1.069	0.80	0.41	0.13
05/05/08 (Mon)	0.766	1.169	0.987	0.00	----	----
05/06/08 (Tue)	0.738	1.042	0.919	0.00	----	----
05/07/08 (Wed)	0.707	0.997	0.867	0.00	----	----
05/08/08 (Thu)	0.643	0.950	0.816	0.02	0.02	0.01
05/09/08 (Fri)	0.593	0.883	0.750	0.00	----	----
05/10/08 (Sat)	0.533	0.888	0.721	0.00	----	----
05/11/08 (Sun)	0.515	0.838	0.677	0.00	----	----

Portsmouth, NH

FAST Flow Summary

Site: 12 Maplewood Ave.
 Meter Type: FLOW
 Pipe Shape: 24" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/12/08 (Mon)	0.444	0.794	0.646	0.00	----	----
05/13/08 (Tue)	0.398	0.748	0.616	0.00	----	----
05/14/08 (Wed)	0.389	0.760	0.602	0.00	----	----
05/15/08 (Thu)	0.381	0.702	0.577	0.00	----	----
05/16/08 (Fri)	0.357	0.714	0.558	0.04	0.04	0.03
05/17/08 (Sat)	0.363	0.729	0.567	0.10	0.06	0.02
05/18/08 (Sun)	0.352	0.757	0.542	0.00	----	----
05/19/08 (Mon)	0.352	0.671	0.513	0.00	----	----
05/20/08 (Tue)	0.322	0.597	0.484	0.00	----	----
05/21/08 (Wed)	0.289	0.707	0.476	0.03	0.01	0.01
05/22/08 (Thu)	0.283	0.595	0.474	0.00	----	----
05/23/08 (Fri)	0.291	0.616	0.476	0.00	----	----
05/24/08 (Sat)	0.288	0.626	0.475	0.00	----	----
05/25/08 (Sun)	0.267	0.637	0.440	0.00	----	----
05/26/08 (Mon)	0.259	0.630	0.436	0.00	----	----
05/27/08 (Tue)	0.257	1.744	0.469	0.53	0.53	0.39
05/28/08 (Wed)	0.261	0.530	0.436	0.00	----	----
05/29/08 (Thu)	0.242	0.748	0.424	0.00	----	----
05/30/08 (Fri)	0.246	0.620	0.418	0.00	----	----
05/31/08 (Sat)	0.242	1.201	0.507	0.23	0.14	0.11
06/01/08 (Sun)	0.268	0.657	0.474	0.00	----	----
06/02/08 (Mon)	0.234	0.541	0.425	0.00	----	----
06/03/08 (Tue)	0.241	0.545	0.418	0.00	----	----
06/04/08 (Wed)	0.229	0.816	0.511	0.63	0.08	0.03
06/05/08 (Thu)	0.295	0.574	0.470	0.02	0.01	0.01
06/06/08 (Fri)	0.245	1.407	0.572	0.43	0.15	0.09
06/07/08 (Sat)	0.270	0.641	0.475	0.00	----	----
06/08/08 (Sun)	0.281	0.640	0.468	0.00	----	----
06/09/08 (Mon)	0.242	0.573	0.448	0.00	----	----
06/10/08 (Tue)	0.223	0.541	0.426	0.00	----	----
06/11/08 (Wed)	0.314	1.810	0.576	0.59	0.53	0.45
06/12/08 (Thu)	0.226	0.565	0.429	0.00	----	----
06/13/08 (Fri)	0.231	0.548	0.408	0.00	----	----
06/14/08 (Sat)	0.216	0.587	0.413	1.00	0.60	0.37
06/15/08 (Sun)	0.229	1.816	0.949	2.13	0.80	0.36
06/16/08 (Mon)	0.384	0.812	0.565	0.08	0.03	0.02
06/17/08 (Tue)	0.347	0.783	0.544	0.09	0.05	0.04
06/18/08 (Wed)	0.314	0.691	0.508	0.01	0.01	0.01
06/19/08 (Thu)	0.259	0.666	0.475	0.00	----	----
06/20/08 (Fri)	0.236	2.348	0.583	0.24	0.23	0.22
06/21/08 (Sat)	0.360	0.776	0.548	0.00	----	----
06/22/08 (Sun)	0.318	0.861	0.562	0.27	0.17	0.12
06/23/08 (Mon)	0.311	2.612	0.851	1.21	0.70	0.34
06/24/08 (Tue)	0.640	1.008	0.854	0.00	----	----
06/25/08 (Wed)	0.490	0.878	0.705	0.00	----	----
06/26/08 (Thu)	0.435	0.844	0.659	0.02	0.02	0.01

Portsmouth, NH**FAST Flow Summary**

Site: 12 Maplewood Ave.
 Meter Type: FLOW
 Pipe Shape: 24" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
06/27/08 (Fri)	0.412	0.873	0.622	0.13	0.13	0.09
06/28/08 (Sat)	0.368	0.789	0.570	0.03	0.02	0.01
06/29/08 (Sun)	0.360	0.742	0.552	0.05	0.05	0.02
06/30/08 (Mon)	0.337	0.696	0.525	0.04	0.03	0.03
07/01/08 (Tue)	0.310	0.668	0.491	0.33	0.33	0.21
07/02/08 (Wed)	0.281	0.800	0.496	0.01	0.01	0.01
07/03/08 (Thu)	0.290	0.896	0.518	0.29	0.17	0.11
07/04/08 (Fri)	0.311	0.754	0.532	0.20	0.09	0.05
07/05/08 (Sat)	0.309	0.693	0.501	0.00	----	----
07/06/08 (Sun)	0.271	0.662	0.473	0.00	----	----
07/07/08 (Mon)	0.268	0.626	0.464	0.00	----	----
07/08/08 (Tue)	0.133	0.717	0.488	0.00	----	----
07/09/08 (Wed)	0.264	1.645	0.564	0.17	0.16	0.15
07/10/08 (Thu)	0.309	0.640	0.509	0.01	0.01	0.01
07/11/08 (Fri)	0.297	0.640	0.477	0.00	----	----
07/12/08 (Sat)	0.286	0.693	0.479	0.00	----	----
07/13/08 (Sun)	0.268	0.703	0.488	0.00	----	----
07/14/08 (Mon)	0.276	0.694	0.460	0.00	----	----
07/15/08 (Tue)	0.223	0.757	0.439	0.00	----	----
07/16/08 (Wed)	0.219	0.652	0.450	0.00	----	----
07/17/08 (Thu)	0.232	0.598	0.445	0.00	----	----
07/18/08 (Fri)	0.204	1.956	0.663	2.39	2.05	1.38
07/19/08 (Sat)	0.164	1.422	0.760	0.34	0.22	0.14
07/20/08 (Sun)	0.405	2.365	0.744	1.72	1.04	0.38
07/21/08 (Mon)	0.392	1.956	1.174	0.03	0.01	0.01
07/22/08 (Tue)	0.680	1.043	0.857	0.00	----	----
07/23/08 (Wed)	0.537	2.164	0.934	1.16	0.72	0.41
07/24/08 (Thu)	0.971	2.813	1.665	1.77	0.30	0.13
07/25/08 (Fri)	1.121	2.509	1.772	0.01	0.01	0.01
07/26/08 (Sat)	0.713	1.610	1.098	0.00	----	----
07/27/08 (Sun)	0.559	1.580	0.961	0.41	0.20	0.07
07/28/08 (Mon)	0.452	1.067	0.834	0.00	----	----
07/29/08 (Tue)	0.452	1.061	0.835	0.00	----	----
07/30/08 (Wed)	0.633	0.995	0.804	0.00	----	----
07/31/08 (Thu)	0.000	1.951	0.849	0.95	0.56	0.44
08/01/08 (Fri)	0.661	1.085	0.871	0.06	0.06	0.03
08/02/08 (Sat)	0.648	1.249	0.867	0.15	0.12	0.04
08/03/08 (Sun)	0.588	1.938	0.878	0.07	0.06	0.02
08/04/08 (Mon)	0.606	0.966	0.803	0.05	0.04	0.03
08/05/08 (Tue)	0.550	0.931	0.728	0.00	----	----
08/06/08 (Wed)	0.263	2.147	0.936	0.93	0.38	0.17
08/07/08 (Thu)	0.794	1.110	0.935	0.00	----	----
08/08/08 (Fri)	0.725	4.370	0.954	0.23	0.09	0.07
08/09/08 (Sat)	0.636	0.966	0.797	0.00	----	----
08/10/08 (Sun)	0.595	0.959	0.759	0.00	----	----
08/11/08 (Mon)	0.565	0.973	0.752	0.27	0.13	0.07

Portsmouth, NH

FAST Flow Summary

Site: 12 Maplewood Ave.
 Meter Type: FLOW
 Pipe Shape: 24" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/12/08 (Tue)	0.652	1.878	0.926	0.40	0.15	0.06
08/13/08 (Wed)	0.551	1.015	0.755	0.00	-----	-----
08/14/08 (Thu)	0.488	0.842	0.693	0.00	-----	-----
08/15/08 (Fri)	0.472	0.867	0.673	0.03	0.02	0.01
08/16/08 (Sat)	0.461	1.091	0.684	0.21	0.19	0.13
08/17/08 (Sun)	0.430	0.810	0.633	0.00	-----	-----
08/18/08 (Mon)	0.436	0.805	0.618	0.00	-----	-----
08/19/08 (Tue)	0.373	0.720	0.584	0.01	0.01	0.01
08/20/08 (Wed)	0.339	0.764	0.554	0.00	-----	-----
08/21/08 (Thu)	0.365	0.642	0.187	0.00	-----	-----
Total for period:			105.297	26.50		
Minimum for period:			0.000			
Maximum for period:			4.370			
Average for period:			0.716			

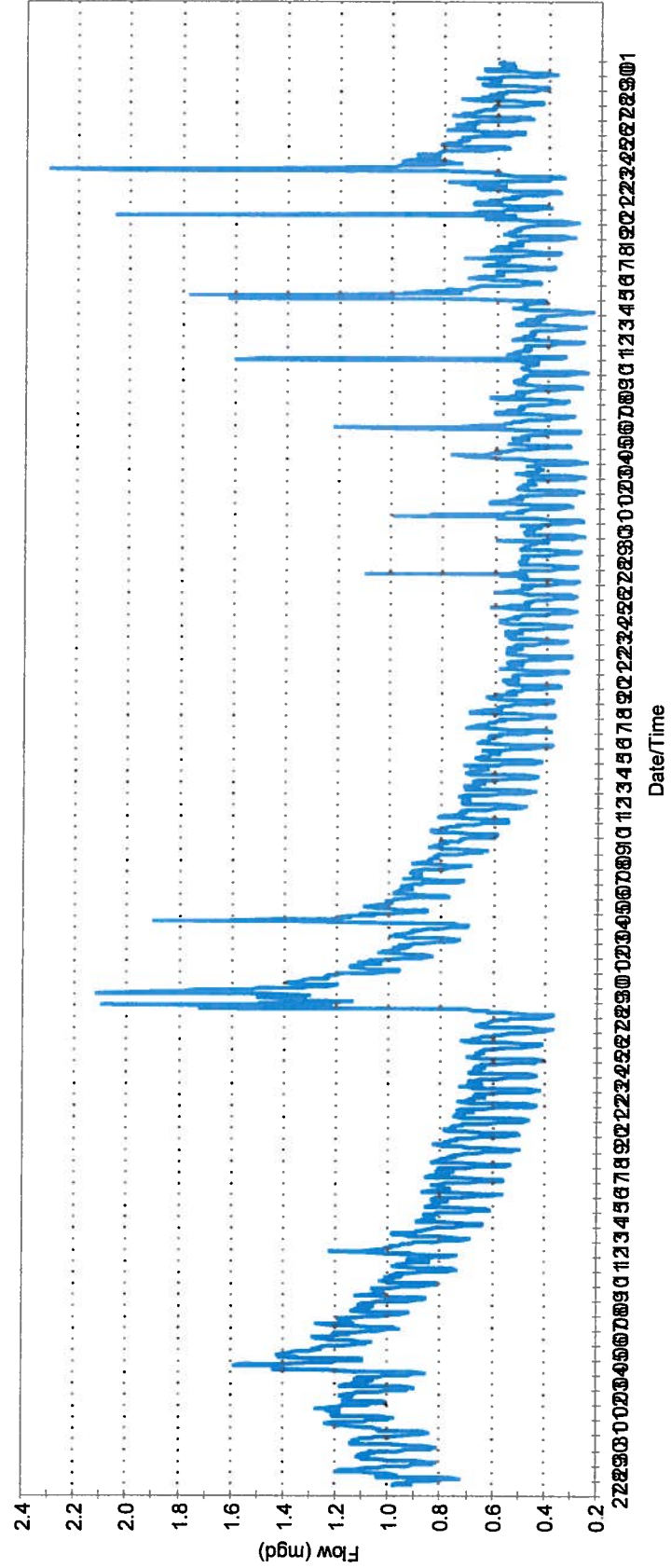
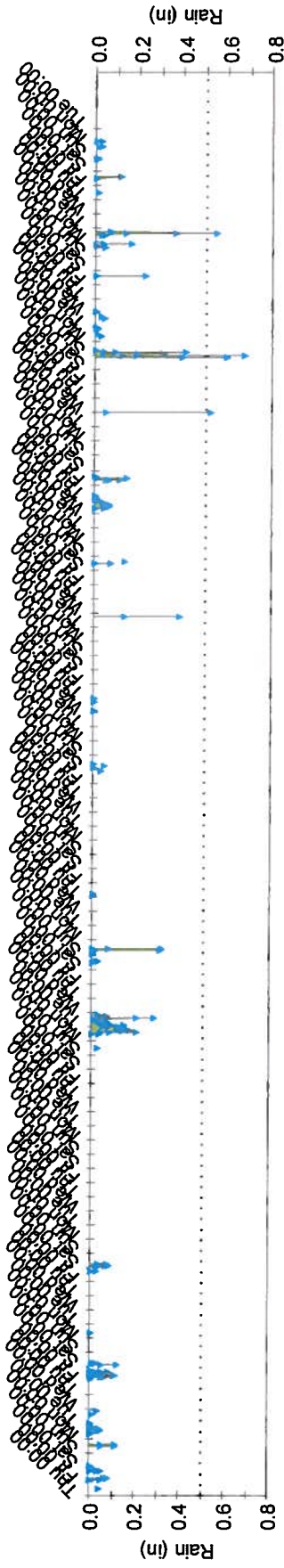
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 12 / Maplewood Ave.

FLOW ANALYSIS

Period Covered: 03/27/2008 - 06/30/2008



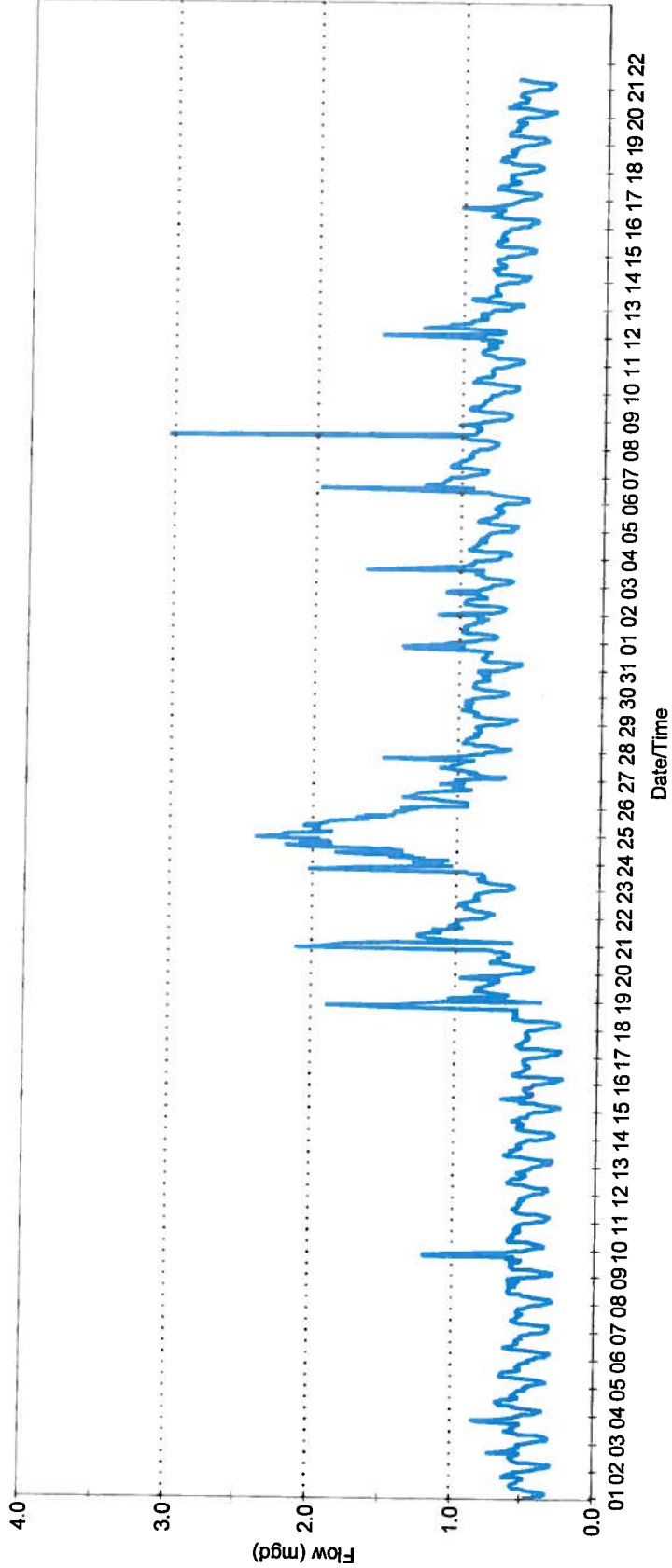
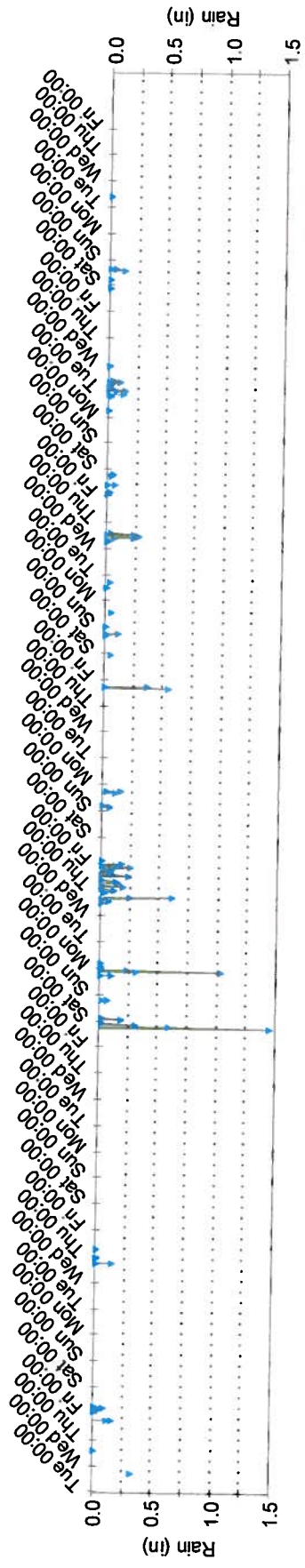
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 12 / Maplewood Ave.

FLOW ANALYSIS

Period Covered: 07/01/2008 - 08/21/2008



Site 12

Portsmouth, NH**FAST Flow Summary**

Site: 13 Franklin Dr.
 Meter Type: FLOW
 Pipe Shape: 20.6" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/27/08 (Thu)	0.549	0.681	0.193	0.05	0.05	0.05
03/28/08 (Fri)	0.474	0.783	0.619	0.42	0.10	0.04
03/29/08 (Sat)	0.471	0.759	0.617	0.02	0.01	0.01
03/30/08 (Sun)	0.484	0.742	0.606	0.36	0.14	0.04
03/31/08 (Mon)	0.480	0.776	0.633	0.31	0.06	0.03
04/01/08 (Tue)	0.544	0.831	0.687	0.12	0.07	0.04
04/02/08 (Wed)	0.564	0.785	0.677	0.00	----	----
04/03/08 (Thu)	0.491	0.746	0.636	0.00	----	----
04/04/08 (Fri)	0.518	0.901	0.715	0.71	0.12	0.06
04/05/08 (Sat)	0.598	0.869	0.749	0.24	0.14	0.05
04/06/08 (Sun)	0.580	0.834	0.704	0.00	----	----
04/07/08 (Mon)	0.584	0.855	0.680	0.01	0.01	0.01
04/08/08 (Tue)	0.493	0.754	0.621	0.00	----	----
04/09/08 (Wed)	0.445	0.722	0.583	0.00	----	----
04/10/08 (Thu)	0.446	0.652	0.558	0.00	----	----
04/11/08 (Fri)	0.405	0.649	0.533	0.04	0.03	0.01
04/12/08 (Sat)	0.434	0.687	0.570	0.31	0.12	0.07
04/13/08 (Sun)	0.404	0.637	0.525	0.00	----	----
04/14/08 (Mon)	0.355	0.617	0.503	0.00	----	----
04/15/08 (Tue)	0.339	0.569	0.469	0.00	----	----
04/16/08 (Wed)	0.321	0.587	0.465	0.00	----	----
04/17/08 (Thu)	0.331	0.557	0.458	0.00	----	----
04/18/08 (Fri)	0.320	0.566	0.444	0.00	----	----
04/19/08 (Sat)	0.292	0.561	0.427	0.00	----	----
04/20/08 (Sun)	0.306	0.505	0.410	0.00	----	----
04/21/08 (Mon)	0.279	0.493	0.399	0.00	----	----
04/22/08 (Tue)	0.268	0.525	0.394	0.00	----	----
04/23/08 (Wed)	0.256	0.449	0.372	0.00	----	----
04/24/08 (Thu)	0.254	0.442	0.363	0.00	----	----
04/25/08 (Fri)	0.240	0.441	0.363	0.00	----	----
04/26/08 (Sat)	0.229	0.458	0.347	0.00	----	----
04/27/08 (Sun)	0.213	0.429	0.323	0.03	0.03	0.02
04/28/08 (Mon)	0.233	0.757	0.424	1.49	0.25	0.08
04/29/08 (Tue)	0.407	0.994	0.607	1.41	0.35	0.11
04/30/08 (Wed)	0.456	0.634	0.550	0.00	----	----
05/01/08 (Thu)	0.381	0.571	0.481	0.00	----	----
05/02/08 (Fri)	0.345	0.541	0.437	0.00	----	----
05/03/08 (Sat)	0.320	0.513	0.398	0.06	0.03	0.02
05/04/08 (Sun)	0.279	0.905	0.464	0.80	0.41	0.13
05/05/08 (Mon)	0.340	0.533	0.435	0.00	----	----
05/06/08 (Tue)	0.336	0.506	0.420	0.00	----	----
05/07/08 (Wed)	0.303	0.559	0.418	0.00	----	----
05/08/08 (Thu)	0.288	0.482	0.398	0.02	0.02	0.01
05/09/08 (Fri)	0.266	0.485	0.374	0.00	----	----
05/10/08 (Sat)	0.236	0.462	0.362	0.00	----	----
05/11/08 (Sun)	0.226	0.444	0.336	0.00	----	----

Portsmouth, NH

FAST Flow Summary

Site: 13 Franklin Dr.
 Meter Type: FLOW
 Pipe Shape: 20.6" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/12/08 (Mon)	0.227	0.400	0.328	0.00	----	----
05/13/08 (Tue)	0.211	0.385	0.309	0.00	----	----
05/14/08 (Wed)	0.196	0.400	0.302	0.00	----	----
05/15/08 (Thu)	0.188	0.374	0.290	0.00	----	----
05/16/08 (Fri)	0.186	0.368	0.278	0.04	0.04	0.03
05/17/08 (Sat)	0.175	0.348	0.278	0.10	0.06	0.02
05/18/08 (Sun)	0.175	0.370	0.268	0.00	----	----
05/19/08 (Mon)	0.167	0.337	0.256	0.00	----	----
05/20/08 (Tue)	0.157	0.317	0.250	0.00	----	----
05/21/08 (Wed)	0.147	0.317	0.237	0.03	0.01	0.01
05/22/08 (Thu)	0.140	0.318	0.243	0.00	----	----
05/23/08 (Fri)	0.148	0.288	0.231	0.00	----	----
05/24/08 (Sat)	0.138	0.326	0.236	0.00	----	----
05/25/08 (Sun)	0.131	0.320	0.220	0.00	----	----
05/26/08 (Mon)	0.127	0.317	0.220	0.00	----	----
05/27/08 (Tue)	0.122	0.357	0.227	0.53	0.53	0.39
05/28/08 (Wed)	0.109	0.278	0.217	0.00	----	----
05/29/08 (Thu)	0.117	0.447	0.213	0.00	----	----
05/30/08 (Fri)	0.110	0.362	0.186	0.00	----	----
05/31/08 (Sat)	0.083	0.737	0.190	0.23	0.14	0.11
06/01/08 (Sun)	0.089	0.259	0.178	0.00	----	----
06/02/08 (Mon)	0.081	0.242	0.166	0.00	----	----
06/03/08 (Tue)	0.075	0.233	0.157	0.00	----	----
06/04/08 (Wed)	0.073	0.299	0.179	0.63	0.08	0.03
06/05/08 (Thu)	0.096	0.366	0.233	0.02	0.01	0.01
06/06/08 (Fri)	0.151	0.943	0.312	0.43	0.15	0.09
06/07/08 (Sat)	0.152	0.369	0.271	0.00	----	----
06/08/08 (Sun)	0.163	0.349	0.266	0.00	----	----
06/09/08 (Mon)	0.144	0.348	0.266	0.00	----	----
06/10/08 (Tue)	0.138	0.345	0.258	0.00	----	----
06/11/08 (Wed)	0.165	1.052	0.293	0.59	0.53	0.45
06/12/08 (Thu)	0.150	0.355	0.259	0.00	----	----
06/13/08 (Fri)	0.138	0.346	0.242	0.00	----	----
06/14/08 (Sat)	0.148	0.335	0.241	1.00	0.60	0.37
06/15/08 (Sun)	0.216	1.265	0.449	2.13	0.80	0.36
06/16/08 (Mon)	0.185	0.417	0.294	0.08	0.03	0.02
06/17/08 (Tue)	0.181	0.451	0.289	0.09	0.05	0.04
06/18/08 (Wed)	0.176	0.376	0.279	0.01	0.01	0.01
06/19/08 (Thu)	0.161	0.364	0.275	0.00	----	----
06/20/08 (Fri)	0.154	1.614	0.328	0.24	0.23	0.22
06/21/08 (Sat)	0.202	0.416	0.305	0.00	----	----
06/22/08 (Sun)	0.189	0.582	0.306	0.27	0.17	0.12
06/23/08 (Mon)	0.176	2.765	0.460	1.21	0.70	0.34
06/24/08 (Tue)	0.311	0.563	0.427	0.00	----	----
06/25/08 (Wed)	0.283	0.470	0.374	0.00	----	----
06/26/08 (Thu)	0.253	0.472	0.364	0.02	0.02	0.01

Portsmouth, NH

FAST Flow Summary

Site: 13 Franklin Dr.
 Meter Type: FLOW
 Pipe Shape: 20.6" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
06/27/08 (Fri)	0.254	0.453	0.354	0.13	0.13	0.09
06/28/08 (Sat)	0.223	0.441	0.330	0.03	0.02	0.01
06/29/08 (Sun)	0.225	0.427	0.323	0.05	0.05	0.02
06/30/08 (Mon)	0.215	0.427	0.324	0.04	0.03	0.03
07/01/08 (Tue)	0.195	0.414	0.314	0.33	0.33	0.21
07/02/08 (Wed)	0.180	0.441	0.304	0.01	0.01	0.01
07/03/08 (Thu)	0.188	0.486	0.302	0.29	0.17	0.11
07/04/08 (Fri)	0.190	0.413	0.296	0.20	0.09	0.05
07/05/08 (Sat)	0.181	0.422	0.280	0.00	----	----
07/06/08 (Sun)	0.161	0.396	0.273	0.00	----	----
07/07/08 (Mon)	0.165	0.356	0.277	0.00	----	----
07/08/08 (Tue)	0.176	0.374	0.276	0.00	----	----
07/09/08 (Wed)	0.171	1.267	0.312	0.17	0.16	0.15
07/10/08 (Thu)	0.195	0.360	0.285	0.01	0.01	0.01
07/11/08 (Fri)	0.163	0.357	0.269	0.00	----	----
07/12/08 (Sat)	0.162	0.359	0.264	0.00	----	----
07/13/08 (Sun)	0.160	0.341	0.262	0.00	----	----
07/14/08 (Mon)	0.153	0.350	0.270	0.00	----	----
07/15/08 (Tue)	0.143	0.340	0.255	0.00	----	----
07/16/08 (Wed)	0.145	0.343	0.258	0.00	----	----
07/17/08 (Thu)	0.131	0.347	0.258	0.00	----	----
07/18/08 (Fri)	0.122	1.860	0.381	2.39	2.05	1.38
07/19/08 (Sat)	0.242	0.645	0.359	0.34	0.22	0.14
07/20/08 (Sun)	0.207	2.138	0.454	1.72	1.04	0.38
07/21/08 (Mon)	0.437	1.167	0.577	0.03	0.01	0.01
07/22/08 (Tue)	0.350	0.533	0.451	0.00	----	----
07/23/08 (Wed)	0.287	1.849	0.509	1.16	0.72	0.41
07/24/08 (Thu)	0.478	1.602	0.958	1.77	0.30	0.13
07/25/08 (Fri)	0.806	1.255	0.993	0.01	0.01	0.01
07/26/08 (Sat)	0.657	0.864	0.749	0.00	----	----
07/27/08 (Sun)	0.550	0.997	0.663	0.41	0.20	0.07
07/28/08 (Mon)	0.495	0.693	0.590	0.00	----	----
07/29/08 (Tue)	0.439	0.671	0.540	0.00	----	----
07/30/08 (Wed)	0.374	0.586	0.486	0.00	----	----
07/31/08 (Thu)	0.332	1.628	0.534	0.95	0.56	0.44
08/01/08 (Fri)	0.380	0.773	0.492	0.06	0.06	0.03
08/02/08 (Sat)	0.349	0.812	0.477	0.15	0.12	0.04
08/03/08 (Sun)	0.322	1.664	0.512	0.07	0.06	0.02
08/04/08 (Mon)	0.395	0.638	0.508	0.05	0.04	0.03
08/05/08 (Tue)	0.346	0.540	0.454	0.00	----	----
08/06/08 (Wed)	0.305	1.569	0.586	0.93	0.38	0.17
08/07/08 (Thu)	0.466	0.716	0.590	0.00	----	----
08/08/08 (Fri)	0.433	0.644	0.555	0.23	0.09	0.07
08/09/08 (Sat)	0.387	0.638	0.509	0.00	----	----
08/10/08 (Sun)	0.342	0.640	0.467	0.00	----	----
08/11/08 (Mon)	0.320	0.574	0.454	0.27	0.13	0.07

Portsmouth, NH

FAST Flow Summary

Site: 13 Franklin Dr.
Meter Type: FLOW
Pipe Shape: 20.6" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/12/08 (Tue)	0.370	0.739	0.512	0.40	0.15	0.06
08/13/08 (Wed)	0.342	0.664	0.460	0.00	-----	-----
08/14/08 (Thu)	0.326	0.507	0.197	0.00	-----	-----
08/15/08 (Fri)	-----	-----	-----	0.03	0.02	0.01
08/16/08 (Sat)	-----	-----	-----	0.21	0.19	0.13
08/17/08 (Sun)	-----	-----	-----	0.00	-----	-----
08/18/08 (Mon)	-----	-----	-----	0.00	-----	-----
08/19/08 (Tue)	-----	-----	-----	0.01	0.01	0.01
08/20/08 (Wed)	-----	-----	-----	0.00	-----	-----
08/21/08 (Thu)	-----	-----	-----	0.00	-----	-----
Total for period:			56.295	26.50		
Minimum for period:			0.073			
Maximum for period:			2.765			
Average for period:			0.402			

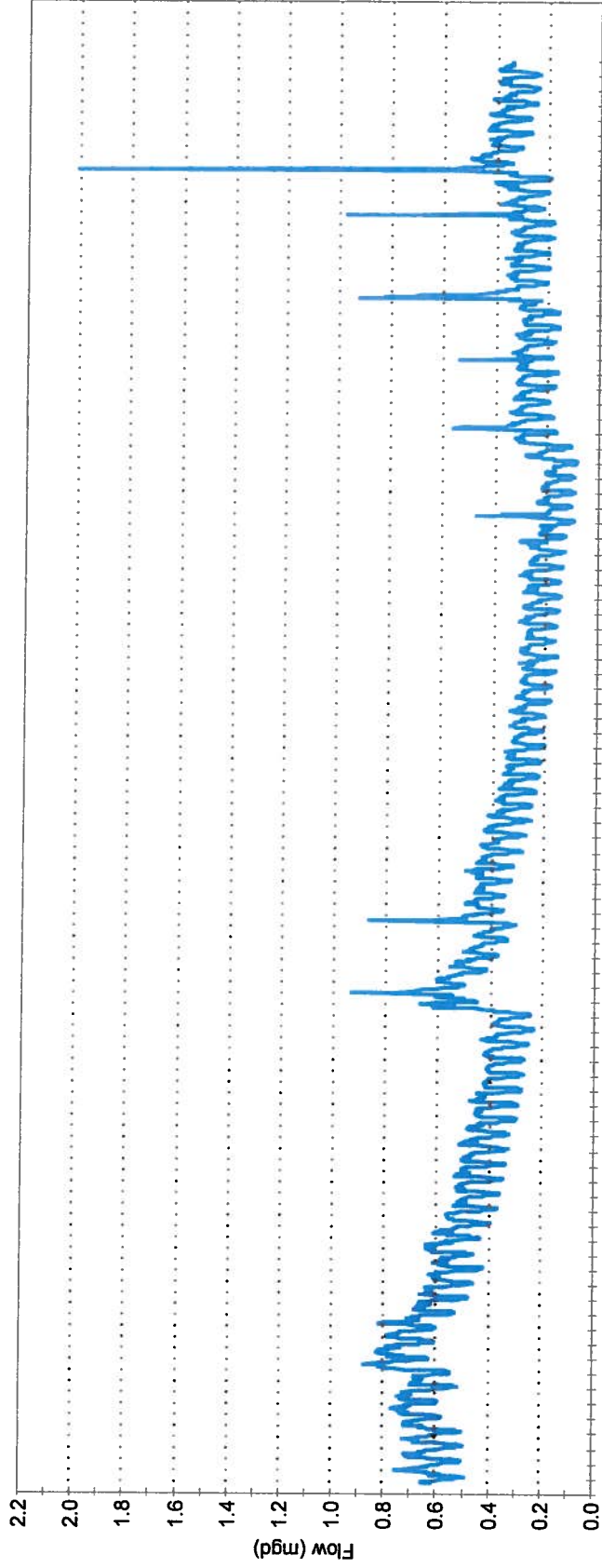
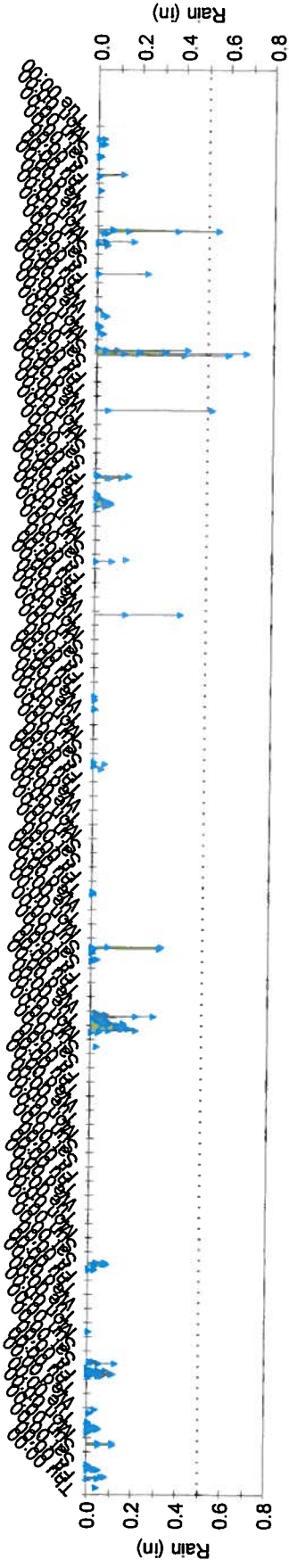
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 13 / Franklin Dr.

FLOW ANALYSIS

Period Covered: 03/27/2008 - 06/30/2008



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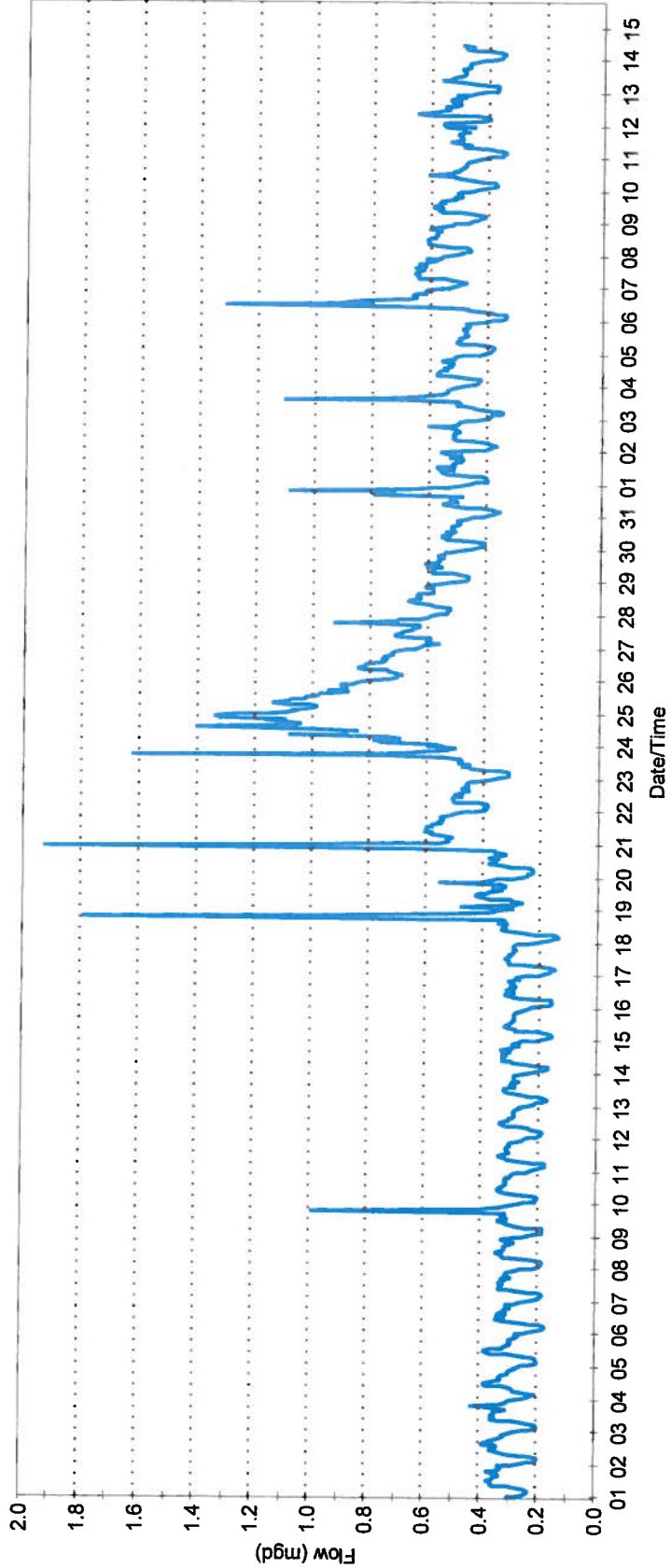
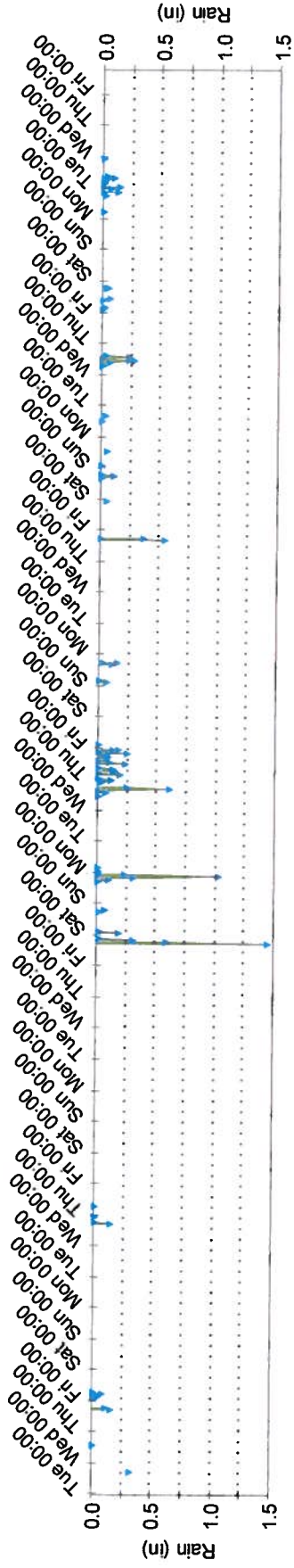
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 13 / Franklin Dr.

FLOW ANALYSIS

Period Covered: 07/01/2008 - 08/14/2008



Site 13

Portsmouth, NH

FAST Flow Summary

Site: 14 Islington St.
 Meter Type: FLOW
 Pipe Shape: 17.5" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
04/02/08 (Wed)	0.237	0.439	0.154	0.00	----	----
04/03/08 (Thu)	0.220	0.427	0.328	0.00	----	----
04/04/08 (Fri)	0.193	0.432	0.295	0.71	0.12	0.06
04/05/08 (Sat)	0.176	0.399	0.251	0.24	0.14	0.05
04/06/08 (Sun)	0.186	0.408	0.244	0.00	----	----
04/07/08 (Mon)	0.205	0.579	0.330	0.01	0.01	0.01
04/08/08 (Tue)	0.198	0.477	0.308	0.00	----	----
04/09/08 (Wed)	0.214	0.495	0.320	0.00	----	----
04/10/08 (Thu)	0.161	0.546	0.312	0.00	----	----
04/11/08 (Fri)	0.141	0.419	0.265	0.04	0.03	0.01
04/12/08 (Sat)	0.133	0.468	0.219	0.31	0.12	0.07
04/13/08 (Sun)	0.146	0.439	0.218	0.00	----	----
04/14/08 (Mon)	0.179	0.479	0.308	0.00	----	----
04/15/08 (Tue)	0.170	0.492	0.308	0.00	----	----
04/16/08 (Wed)	0.157	0.582	0.293	0.00	----	----
04/17/08 (Thu)	0.158	0.475	0.292	0.00	----	----
04/18/08 (Fri)	0.183	0.474	0.279	0.00	----	----
04/19/08 (Sat)	0.140	0.416	0.213	0.00	----	----
04/20/08 (Sun)	0.118	0.379	0.207	0.00	----	----
04/21/08 (Mon)	0.146	0.377	0.271	0.00	----	----
04/22/08 (Tue)	0.158	0.425	0.279	0.00	----	----
04/23/08 (Wed)	0.170	0.468	0.302	0.00	----	----
04/24/08 (Thu)	0.205	0.430	0.317	0.00	----	----
04/25/08 (Fri)	0.153	0.452	0.292	0.00	----	----
04/26/08 (Sat)	0.122	0.299	0.187	0.00	----	----
04/27/08 (Sun)	0.112	0.278	0.174	0.03	0.03	0.02
04/28/08 (Mon)	0.108	0.367	0.235	1.49	0.25	0.08
04/29/08 (Tue)	0.209	0.445	0.325	1.41	0.35	0.11
04/30/08 (Wed)	0.237	0.542	0.334	0.00	----	----
05/01/08 (Thu)	0.195	0.406	0.289	0.00	----	----
05/02/08 (Fri)	0.194	0.390	0.263	0.00	----	----
05/03/08 (Sat)	0.166	0.345	0.224	0.06	0.03	0.02
05/04/08 (Sun)	0.158	0.375	0.240	0.80	0.41	0.13
05/05/08 (Mon)	0.216	0.456	0.329	0.00	----	----
05/06/08 (Tue)	0.186	0.438	0.317	0.00	----	----
05/07/08 (Wed)	0.179	0.456	0.317	0.00	----	----
05/08/08 (Thu)	0.206	0.495	0.328	0.02	0.02	0.01
05/09/08 (Fri)	0.151	0.474	0.282	0.00	----	----
05/10/08 (Sat)	0.132	0.300	0.193	0.00	----	----
05/11/08 (Sun)	0.122	0.354	0.197	0.00	----	----
05/12/08 (Mon)	0.134	0.474	0.284	0.00	----	----
05/13/08 (Tue)	0.182	0.495	0.298	0.00	----	----
05/14/08 (Wed)	0.164	0.489	0.299	0.00	----	----
05/15/08 (Thu)	0.161	0.443	0.270	0.00	----	----
05/16/08 (Fri)	0.138	0.387	0.237	0.04	0.04	0.03
05/17/08 (Sat)	0.114	0.367	0.173	0.10	0.06	0.02

Portsmouth, NH

FAST Flow Summary

Site: 14 Islington St.
 Meter Type: FLOW
 Pipe Shape: 17.5" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/18/08 (Sun)	0.099	0.350	0.184	0.00	----	----
05/19/08 (Mon)	0.118	0.362	0.252	0.00	----	----
05/20/08 (Tue)	0.121	0.371	0.268	0.00	----	----
05/21/08 (Wed)	0.147	0.409	0.280	0.03	0.01	0.01
05/22/08 (Thu)	0.185	0.422	0.280	0.00	----	----
05/23/08 (Fri)	0.128	0.381	0.257	0.00	----	----
05/24/08 (Sat)	0.113	0.273	0.172	0.00	----	----
05/25/08 (Sun)	0.100	0.265	0.154	0.00	----	----
05/26/08 (Mon)	0.084	0.304	0.170	0.00	----	----
05/27/08 (Tue)	0.160	0.414	0.271	0.53	0.53	0.39
05/28/08 (Wed)	0.118	0.461	0.274	0.00	----	----
05/29/08 (Thu)	0.134	0.388	0.251	0.00	----	----
05/30/08 (Fri)	0.113	0.409	0.213	0.00	----	----
05/31/08 (Sat)	0.083	0.246	0.156	0.23	0.14	0.11
06/01/08 (Sun)	0.092	0.363	0.168	0.00	----	----
06/02/08 (Mon)	0.108	0.413	0.258	0.00	----	----
06/03/08 (Tue)	0.137	0.373	0.257	0.00	----	----
06/04/08 (Wed)	0.133	0.384	0.273	0.63	0.08	0.03
06/05/08 (Thu)	0.143	0.356	0.265	0.02	0.01	0.01
06/06/08 (Fri)	0.149	0.493	0.255	0.43	0.15	0.09
06/07/08 (Sat)	0.113	0.249	0.186	0.00	----	----
06/08/08 (Sun)	0.119	0.318	0.191	0.00	----	----
06/09/08 (Mon)	0.144	0.467	0.289	0.00	----	----
06/10/08 (Tue)	0.158	0.475	0.352	0.00	----	----
06/11/08 (Wed)	0.190	0.658	0.405	0.59	0.53	0.45
06/12/08 (Thu)	0.129	0.562	0.367	0.00	----	----
06/13/08 (Fri)	0.183	0.533	0.333	0.00	----	----
06/14/08 (Sat)	0.140	0.359	0.219	1.00	0.60	0.37
06/15/08 (Sun)	0.187	0.470	0.300	2.13	0.80	0.36
06/16/08 (Mon)	0.218	0.530	0.389	0.08	0.03	0.02
06/17/08 (Tue)	0.246	0.578	0.407	0.09	0.05	0.04
06/18/08 (Wed)	0.222	0.544	0.387	0.01	0.01	0.01
06/19/08 (Thu)	0.209	0.521	0.370	0.00	----	----
06/20/08 (Fri)	0.196	0.542	0.361	0.24	0.23	0.22
06/21/08 (Sat)	0.155	0.499	0.283	0.00	----	----
06/22/08 (Sun)	0.165	0.621	0.346	0.27	0.17	0.12
06/23/08 (Mon)	0.312	0.694	0.507	1.21	0.70	0.34
06/24/08 (Tue)	0.410	0.765	0.551	0.00	----	----
06/25/08 (Wed)	0.348	0.698	0.533	0.00	----	----
06/26/08 (Thu)	0.347	0.821	0.537	0.02	0.02	0.01
06/27/08 (Fri)	0.244	0.616	0.448	0.13	0.13	0.09
06/28/08 (Sat)	0.230	0.434	0.303	0.03	0.02	0.01
06/29/08 (Sun)	0.237	0.440	0.312	0.05	0.05	0.02
06/30/08 (Mon)	0.237	0.571	0.420	0.04	0.03	0.03
07/01/08 (Tue)	0.302	0.616	0.446	0.33	0.33	0.21
07/02/08 (Wed)	0.247	0.535	0.364	0.01	0.01	0.01

Portsmouth, NH

FAST Flow Summary

Site: 14 Islington St.
 Meter Type: FLOW
 Pipe Shape: 17.5" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
07/03/08 (Thu)	0.197	0.594	0.338	0.29	0.17	0.11
07/04/08 (Fri)	0.165	0.454	0.271	0.20	0.09	0.05
07/05/08 (Sat)	0.136	0.348	0.215	0.00	----	----
07/06/08 (Sun)	0.139	0.422	0.226	0.00	----	----
07/07/08 (Mon)	0.150	0.505	0.338	0.00	----	----
07/08/08 (Tue)	0.176	0.508	0.343	0.00	----	----
07/09/08 (Wed)	0.159	0.454	0.326	0.17	0.16	0.15
07/10/08 (Thu)	0.173	0.461	0.326	0.01	0.01	0.01
07/11/08 (Fri)	0.179	0.499	0.315	0.00	----	----
07/12/08 (Sat)	0.120	0.306	0.211	0.00	----	----
07/13/08 (Sun)	0.144	0.367	0.231	0.00	----	----
07/14/08 (Mon)	0.242	0.557	0.363	0.00	----	----
07/15/08 (Tue)	0.145	0.460	0.317	0.00	----	----
07/16/08 (Wed)	0.179	0.496	0.338	0.00	----	----
07/17/08 (Thu)	0.158	0.478	0.321	0.00	----	----
07/18/08 (Fri)	0.127	0.866	0.307	2.39	2.05	1.38
07/19/08 (Sat)	0.155	0.378	0.261	0.34	0.22	0.14
07/20/08 (Sun)	0.169	0.681	0.269	1.72	1.04	0.38
07/21/08 (Mon)	0.234	0.714	0.427	0.03	0.01	0.01
07/22/08 (Tue)	0.218	0.497	0.325	0.00	----	----
07/23/08 (Wed)	0.166	0.683	0.344	1.16	0.72	0.41
07/24/08 (Thu)	0.254	0.532	0.398	1.77	0.30	0.13
07/25/08 (Fri)	0.264	0.536	0.412	0.01	0.01	0.01
07/26/08 (Sat)	0.211	0.392	0.271	0.00	----	----
07/27/08 (Sun)	0.189	0.316	0.238	0.41	0.20	0.07
07/28/08 (Mon)	0.156	0.428	0.273	0.00	----	----
07/29/08 (Tue)	0.217	0.453	0.313	0.00	----	----
07/30/08 (Wed)	0.223	0.437	0.322	0.00	----	----
07/31/08 (Thu)	0.182	0.458	0.295	0.95	0.56	0.44
08/01/08 (Fri)	0.156	0.427	0.264	0.06	0.06	0.03
08/02/08 (Sat)	0.144	0.390	0.231	0.15	0.12	0.04
08/03/08 (Sun)	0.160	0.423	0.250	0.07	0.06	0.02
08/04/08 (Mon)	0.205	0.469	0.324	0.05	0.04	0.03
08/05/08 (Tue)	0.175	0.423	0.311	0.00	----	----
08/06/08 (Wed)	0.198	0.456	0.333	0.93	0.38	0.17
08/07/08 (Thu)	0.233	0.448	0.332	0.00	----	----
08/08/08 (Fri)	0.191	0.436	0.296	0.23	0.09	0.07
08/09/08 (Sat)	0.147	0.366	0.234	0.00	----	----
08/10/08 (Sun)	0.146	0.341	0.221	0.00	----	----
08/11/08 (Mon)	0.214	0.507	0.350	0.27	0.13	0.07
08/12/08 (Tue)	0.206	0.455	0.334	0.40	0.15	0.06
08/13/08 (Wed)	0.210	0.561	0.365	0.00	----	----
08/14/08 (Thu)	0.207	0.423	0.152	0.00	----	----

Portsmouth, NH

FAST Flow Summary

Site: 14 Islington St.
Meter Type: FLOW
Pipe Shape: 17.5" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
	Total for period:		39.593	24.97		
	Minimum for period:		0.083			
	Maximum for period:		0.866			
	Average for period:		0.295			

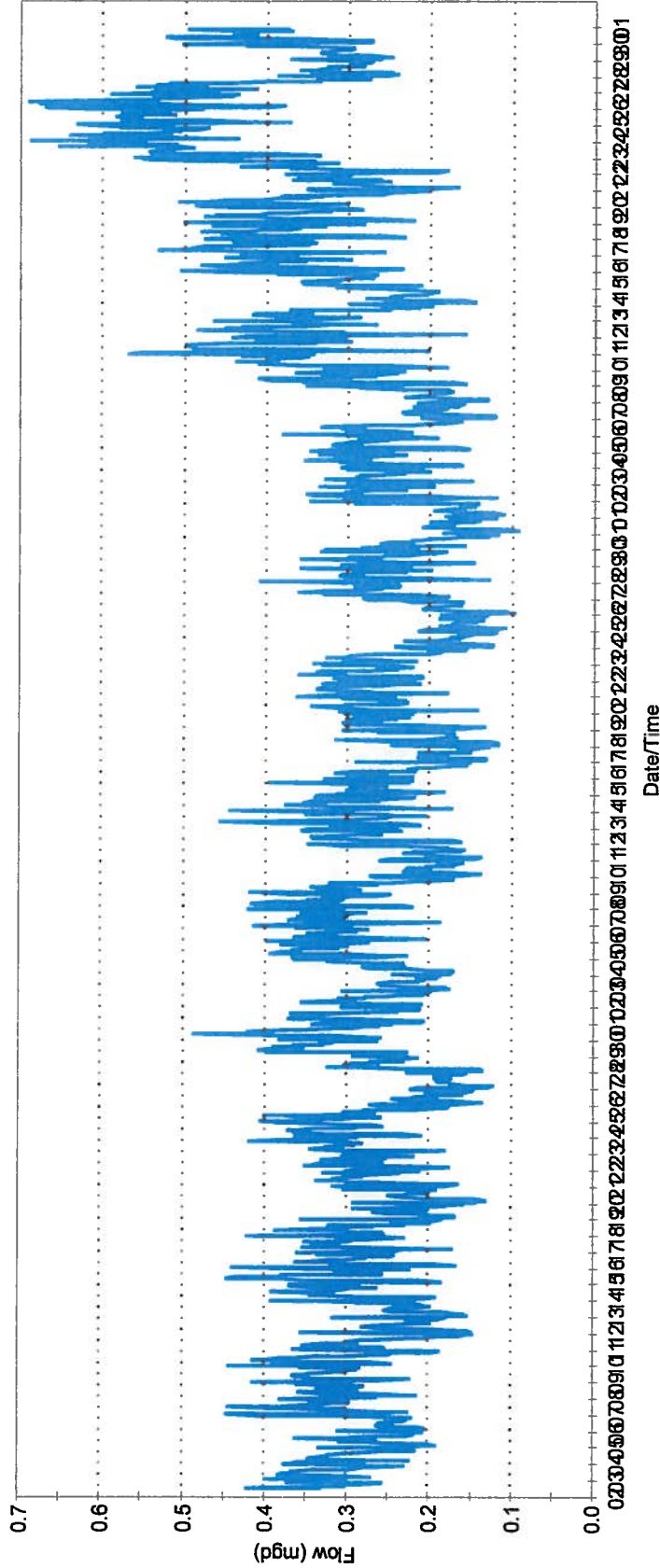
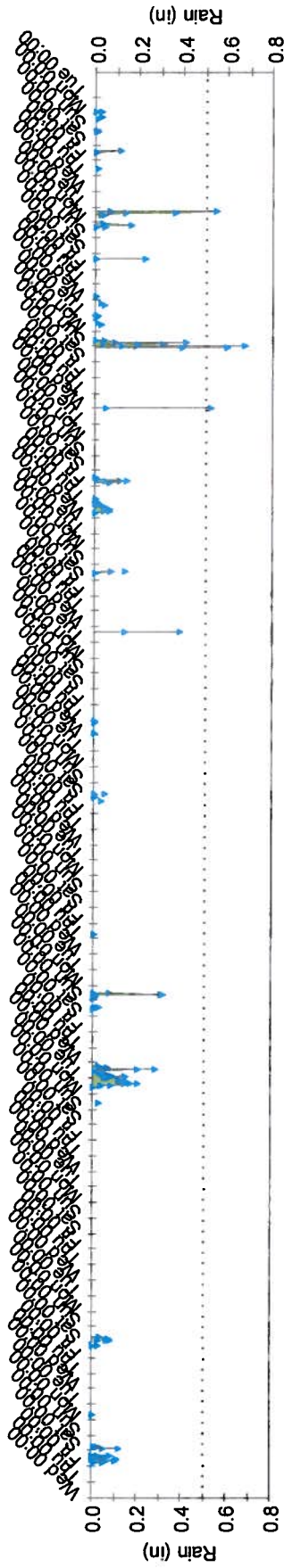
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 14 / Islington St.

FLOW ANALYSIS

Period Covered: 04/02/2008 - 06/30/2008



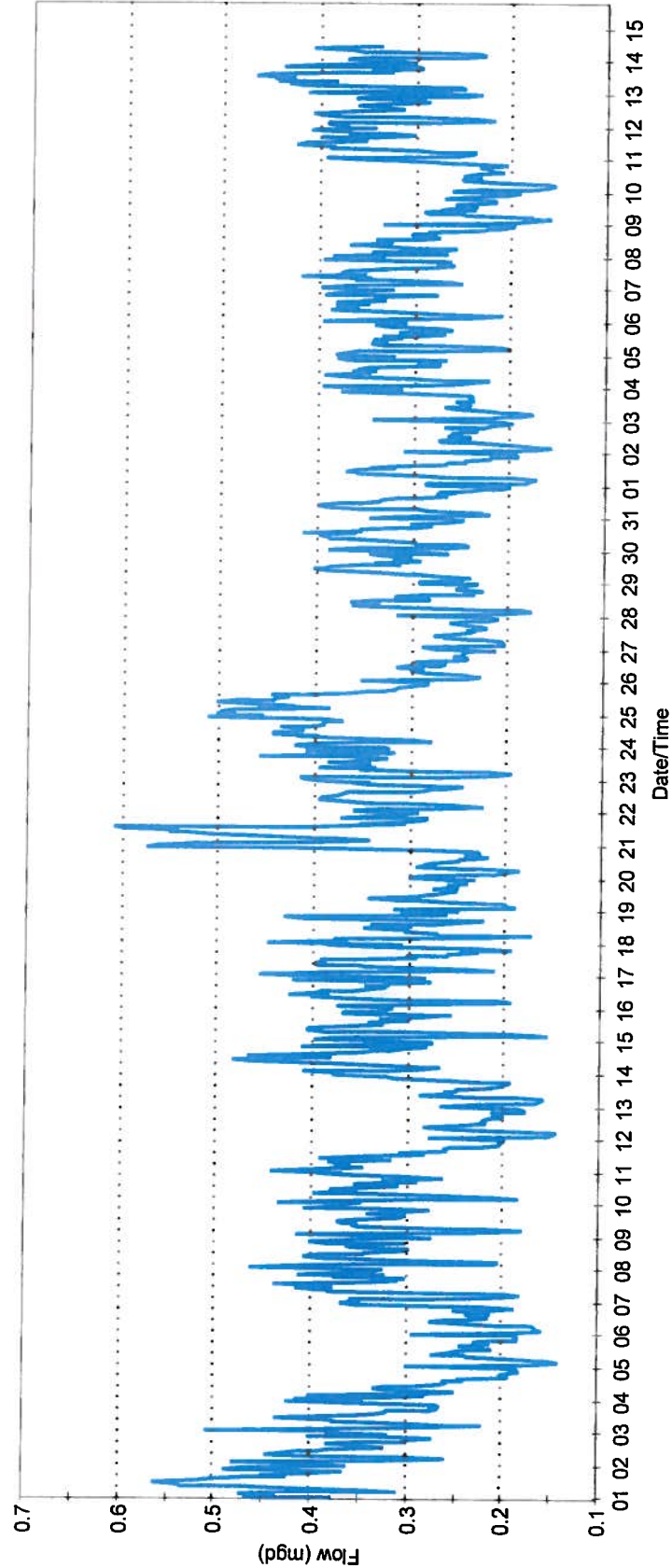
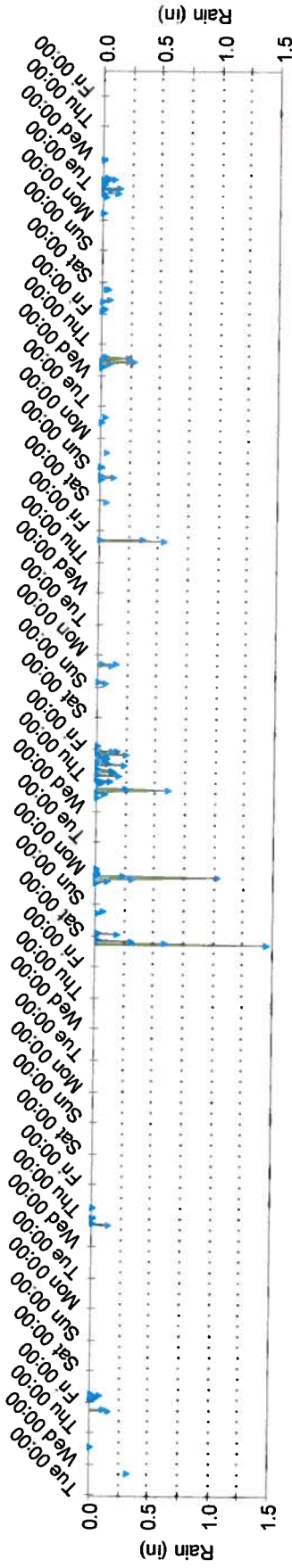
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 14 / Islington St.

FLOW ANALYSIS

Period Covered: 07/01/2008 - 08/14/2008



Site 14

Portsmouth, NH**FAST Flow Summary**

Site: 14A Islington St.
Meter Type: FLOW
Pipe Shape: 17.5" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/27/08 (Thu)	0.214	0.392	0.118	0.05	0.05	0.05
03/28/08 (Fri)	0.149	0.345	0.257	0.42	0.10	0.04
03/29/08 (Sat)	0.132	0.266	0.197	0.02	0.01	0.01
03/30/08 (Sun)	0.133	0.299	0.202	0.36	0.14	0.04
03/31/08 (Mon)	0.179	0.366	0.281	0.31	0.06	0.03
04/01/08 (Tue)	0.211	0.413	0.319	0.12	0.07	0.04
04/02/08 (Wed)	0.229	0.389	0.139	0.00	-----	-----
Total for period:			1.512	1.28		
Minimum for period:			0.132			
Maximum for period:			0.413			
Average for period:			0.252			

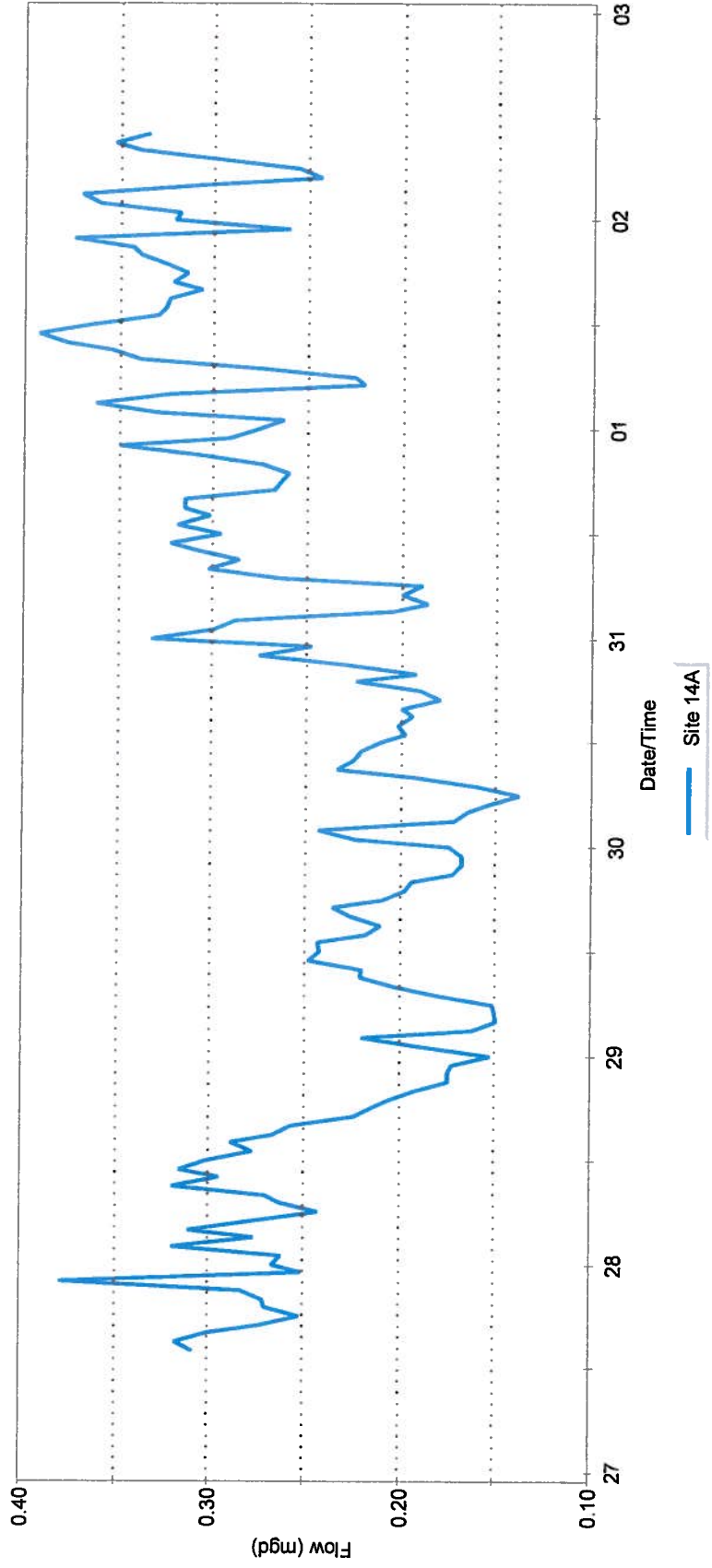
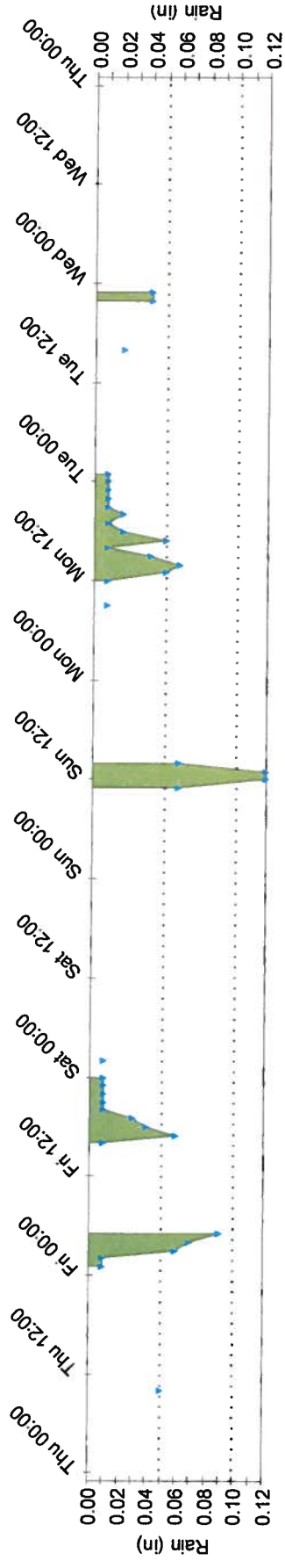
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 14A / Islington St.

FLOW ANALYSIS

Period Covered: 03/27/2008 - 04/02/2008



Portsmouth, NH

FAST Flow Summary

Site: 15 RT. 1 Bypass (under Islington St. Bridge)
 Meter Type: FLOW
 Pipe Shape: 10" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
03/27/08 (Thu)	0.141	0.178	0.082	0.05	0.05	0.05
03/28/08 (Fri)	0.130	0.229	0.167	0.42	0.10	0.04
03/29/08 (Sat)	0.144	0.208	0.173	0.02	0.01	0.01
03/30/08 (Sun)	0.135	0.212	0.176	0.36	0.14	0.04
03/31/08 (Mon)	0.152	0.208	0.181	0.31	0.06	0.03
04/01/08 (Tue)	0.177	0.214	0.195	0.12	0.07	0.04
04/02/08 (Wed)	0.163	0.207	0.183	0.00	----	----
04/03/08 (Thu)	0.157	0.201	0.175	0.00	----	----
04/04/08 (Fri)	0.150	0.219	0.189	0.71	0.12	0.06
04/05/08 (Sat)	0.181	0.248	0.205	0.24	0.14	0.05
04/06/08 (Sun)	0.176	0.235	0.199	0.00	----	----
04/07/08 (Mon)	0.164	0.217	0.186	0.01	0.01	0.01
04/08/08 (Tue)	0.147	0.215	0.171	0.00	----	----
04/09/08 (Wed)	0.149	0.202	0.169	0.00	----	----
04/10/08 (Thu)	0.143	0.185	0.159	0.00	----	----
04/11/08 (Fri)	0.121	0.180	0.148	0.04	0.03	0.01
04/12/08 (Sat)	0.114	0.171	0.137	0.31	0.12	0.07
04/13/08 (Sun)	0.098	0.144	0.120	0.00	----	----
04/14/08 (Mon)	0.100	0.160	0.126	0.00	----	----
04/15/08 (Tue)	0.112	0.162	0.134	0.00	----	----
04/16/08 (Wed)	0.116	0.163	0.137	0.00	----	----
04/17/08 (Thu)	0.108	0.168	0.135	0.00	----	----
04/18/08 (Fri)	0.099	0.168	0.127	0.00	----	----
04/19/08 (Sat)	0.094	0.149	0.123	0.00	----	----
04/20/08 (Sun)	0.106	0.149	0.129	0.00	----	----
04/21/08 (Mon)	0.101	0.182	0.135	0.00	----	----
04/22/08 (Tue)	0.100	0.156	0.128	0.00	----	----
04/23/08 (Wed)	0.085	0.147	0.113	0.00	----	----
04/24/08 (Thu)	0.100	0.167	0.131	0.00	----	----
04/25/08 (Fri)	0.100	0.167	0.132	0.00	----	----
04/26/08 (Sat)	0.105	0.149	0.123	0.00	----	----
04/27/08 (Sun)	0.094	0.240	0.131	0.03	0.03	0.02
04/28/08 (Mon)	0.108	0.175	0.137	1.49	0.25	0.08
04/29/08 (Tue)	0.137	0.234	0.175	1.41	0.35	0.11
04/30/08 (Wed)	0.094	0.146	0.115	0.00	----	----
05/01/08 (Thu)	0.100	0.129	0.110	0.00	----	----
05/02/08 (Fri)	0.103	0.152	0.122	0.00	----	----
05/03/08 (Sat)	0.112	0.172	0.133	0.06	0.03	0.02
05/04/08 (Sun)	0.115	0.191	0.147	0.80	0.41	0.13
05/05/08 (Mon)	0.130	0.243	0.169	0.00	----	----
05/06/08 (Tue)	0.145	0.191	0.166	0.00	----	----
05/07/08 (Wed)	0.143	0.207	0.161	0.00	----	----
05/08/08 (Thu)	0.131	0.175	0.150	0.02	0.02	0.01
05/09/08 (Fri)	0.120	0.177	0.139	0.00	----	----
05/10/08 (Sat)	0.121	0.171	0.146	0.00	----	----
05/11/08 (Sun)	0.123	0.174	0.147	0.00	----	----

Portsmouth, NH

FAST Flow Summary

Site: 15 RT. 1 Bypass (under Islington St. Bridge)
 Meter Type: FLOW
 Pipe Shape: 10" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
05/12/08 (Mon)	0.120	0.170	0.141	0.00	----	----
05/13/08 (Tue)	0.112	0.159	0.131	0.00	----	----
05/14/08 (Wed)	0.106	0.167	0.132	0.00	----	----
05/15/08 (Thu)	0.105	0.163	0.131	0.00	----	----
05/16/08 (Fri)	0.099	0.155	0.118	0.04	0.04	0.03
05/17/08 (Sat)	0.096	0.153	0.119	0.10	0.06	0.02
05/18/08 (Sun)	0.095	0.147	0.119	0.00	----	----
05/19/08 (Mon)	0.093	0.131	0.115	0.00	----	----
05/20/08 (Tue)	0.098	0.148	0.121	0.00	----	----
05/21/08 (Wed)	0.094	0.186	0.116	0.03	0.01	0.01
05/22/08 (Thu)	0.089	0.143	0.114	0.00	----	----
05/23/08 (Fri)	0.092	0.164	0.115	0.00	----	----
05/24/08 (Sat)	0.098	0.141	0.119	0.00	----	----
05/25/08 (Sun)	0.084	0.155	0.112	0.00	----	----
05/26/08 (Mon)	0.085	0.125	0.105	0.00	----	----
05/27/08 (Tue)	0.088	0.137	0.111	0.53	0.53	0.39
05/28/08 (Wed)	0.085	0.138	0.110	0.00	----	----
05/29/08 (Thu)	0.092	0.132	0.111	0.00	----	----
05/30/08 (Fri)	0.084	0.130	0.102	0.00	----	----
05/31/08 (Sat)	0.071	0.130	0.100	0.23	0.14	0.11
06/01/08 (Sun)	0.068	0.129	0.096	0.00	----	----
06/02/08 (Mon)	0.067	0.176	0.119	0.00	----	----
06/03/08 (Tue)	0.093	0.180	0.118	0.00	----	----
06/04/08 (Wed)	0.076	0.140	0.107	0.63	0.08	0.03
06/05/08 (Thu)	0.090	0.141	0.106	0.02	0.01	0.01
06/06/08 (Fri)	0.081	0.140	0.108	0.43	0.15	0.09
06/07/08 (Sat)	0.089	0.139	0.111	0.00	----	----
06/08/08 (Sun)	0.088	0.127	0.104	0.00	----	----
06/09/08 (Mon)	0.084	0.138	0.102	0.00	----	----
06/10/08 (Tue)	0.054	0.127	0.090	0.00	----	----
06/11/08 (Wed)	0.062	0.126	0.082	0.59	0.53	0.45
06/12/08 (Thu)	0.048	0.118	0.076	0.00	----	----
06/13/08 (Fri)	0.052	0.105	0.075	0.00	----	----
06/14/08 (Sat)	0.044	0.128	0.077	1.00	0.60	0.37
06/15/08 (Sun)	0.080	0.329	0.183	2.13	0.80	0.36
06/16/08 (Mon)	0.102	0.162	0.128	0.08	0.03	0.02
06/17/08 (Tue)	0.099	0.152	0.118	0.09	0.05	0.04
06/18/08 (Wed)	0.085	0.172	0.111	0.01	0.01	0.01
06/19/08 (Thu)	0.077	0.142	0.104	0.00	----	----
06/20/08 (Fri)	0.073	0.142	0.103	0.24	0.23	0.22
06/21/08 (Sat)	0.067	0.143	0.098	0.00	----	----
06/22/08 (Sun)	0.066	0.130	0.096	0.27	0.17	0.12
06/23/08 (Mon)	0.073	0.237	0.122	1.21	0.70	0.34
06/24/08 (Tue)	0.113	0.179	0.139	0.00	----	----
06/25/08 (Wed)	0.097	0.153	0.122	0.00	----	----
06/26/08 (Thu)	0.090	0.149	0.113	0.02	0.02	0.01

Portsmouth, NH

FAST Flow Summary

Site: 15 RT. 1 Bypass (under Islington St. Bridge)
 Meter Type: FLOW
 Pipe Shape: 10" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
06/27/08 (Fri)	0.083	0.232	0.112	0.13	0.13	0.09
06/28/08 (Sat)	0.079	0.151	0.102	0.03	0.02	0.01
06/29/08 (Sun)	0.077	0.136	0.101	0.05	0.05	0.02
06/30/08 (Mon)	0.076	0.169	0.099	0.04	0.03	0.03
07/01/08 (Tue)	0.068	0.119	0.091	0.33	0.33	0.21
07/02/08 (Wed)	0.071	0.121	0.090	0.01	0.01	0.01
07/03/08 (Thu)	0.067	0.134	0.092	0.29	0.17	0.11
07/04/08 (Fri)	0.065	0.141	0.093	0.20	0.09	0.05
07/05/08 (Sat)	0.060	0.124	0.089	0.00	----	----
07/06/08 (Sun)	0.064	0.134	0.090	0.00	----	----
07/07/08 (Mon)	0.055	0.230	0.088	0.00	----	----
07/08/08 (Tue)	0.062	0.183	0.084	0.00	----	----
07/09/08 (Wed)	0.045	0.114	0.079	0.17	0.16	0.15
07/10/08 (Thu)	0.056	0.111	0.076	0.01	0.01	0.01
07/11/08 (Fri)	0.044	0.109	0.073	0.00	----	----
07/12/08 (Sat)	0.044	0.132	0.071	0.00	----	----
07/13/08 (Sun)	0.046	0.105	0.071	0.00	----	----
07/14/08 (Mon)	0.042	0.114	0.068	0.00	----	----
07/15/08 (Tue)	0.048	0.154	0.074	0.00	----	----
07/16/08 (Wed)	0.039	0.204	0.072	0.00	----	----
07/17/08 (Thu)	0.046	0.097	0.066	0.00	----	----
07/18/08 (Fri)	0.037	0.405	0.097	2.39	2.05	1.38
07/19/08 (Sat)	0.094	0.167	0.128	0.34	0.22	0.14
07/20/08 (Sun)	0.070	0.353	0.117	1.72	1.04	0.38
07/21/08 (Mon)	0.151	0.299	0.196	0.03	0.01	0.01
07/22/08 (Tue)	0.124	0.193	0.150	0.00	----	----
07/23/08 (Wed)	0.108	0.251	0.151	1.16	0.72	0.41
07/24/08 (Thu)	0.180	0.435	0.272	1.77	0.30	0.13
07/25/08 (Fri)	0.273	0.454	0.355	0.01	0.01	0.01
07/26/08 (Sat)	0.202	0.299	0.246	0.00	----	----
07/27/08 (Sun)	0.184	0.262	0.210	0.41	0.20	0.07
07/28/08 (Mon)	0.170	0.216	0.194	0.00	----	----
07/29/08 (Tue)	0.057	0.300	0.213	0.00	----	----
07/30/08 (Wed)	0.231	0.297	0.261	0.00	----	----
07/31/08 (Thu)	0.205	0.321	0.251	0.95	0.56	0.44
08/01/08 (Fri)	0.152	0.233	0.192	0.06	0.06	0.03
08/02/08 (Sat)	0.139	0.262	0.196	0.15	0.12	0.04
08/03/08 (Sun)	0.203	0.309	0.231	0.07	0.06	0.02
08/04/08 (Mon)	0.187	0.263	0.217	0.05	0.04	0.03
08/05/08 (Tue)	0.168	0.227	0.193	0.00	----	----
08/06/08 (Wed)	0.162	0.256	0.210	0.93	0.38	0.17
08/07/08 (Thu)	0.161	0.257	0.191	0.00	----	----
08/08/08 (Fri)	0.164	0.233	0.203	0.23	0.09	0.07
08/09/08 (Sat)	0.189	0.247	0.209	0.00	----	----
08/10/08 (Sun)	0.172	0.243	0.205	0.00	----	----
08/11/08 (Mon)	0.141	0.215	0.184	0.27	0.13	0.07

Portsmouth, NH

FAST Flow Summary

Site: 15 RT. 1 Bypass (under Islington St. Bridge)
Meter Type: FLOW
Pipe Shape: 10" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/12/08 (Tue)	0.163	0.224	0.191	0.40	0.15	0.06
08/13/08 (Wed)	0.148	0.223	0.177	0.00	-----	-----
08/14/08 (Thu)	0.161	0.191	0.079	0.00	-----	-----
Total for period:			19.287	26.25		
Minimum for period:			0.037			
Maximum for period:			0.454			
Average for period:			0.138			

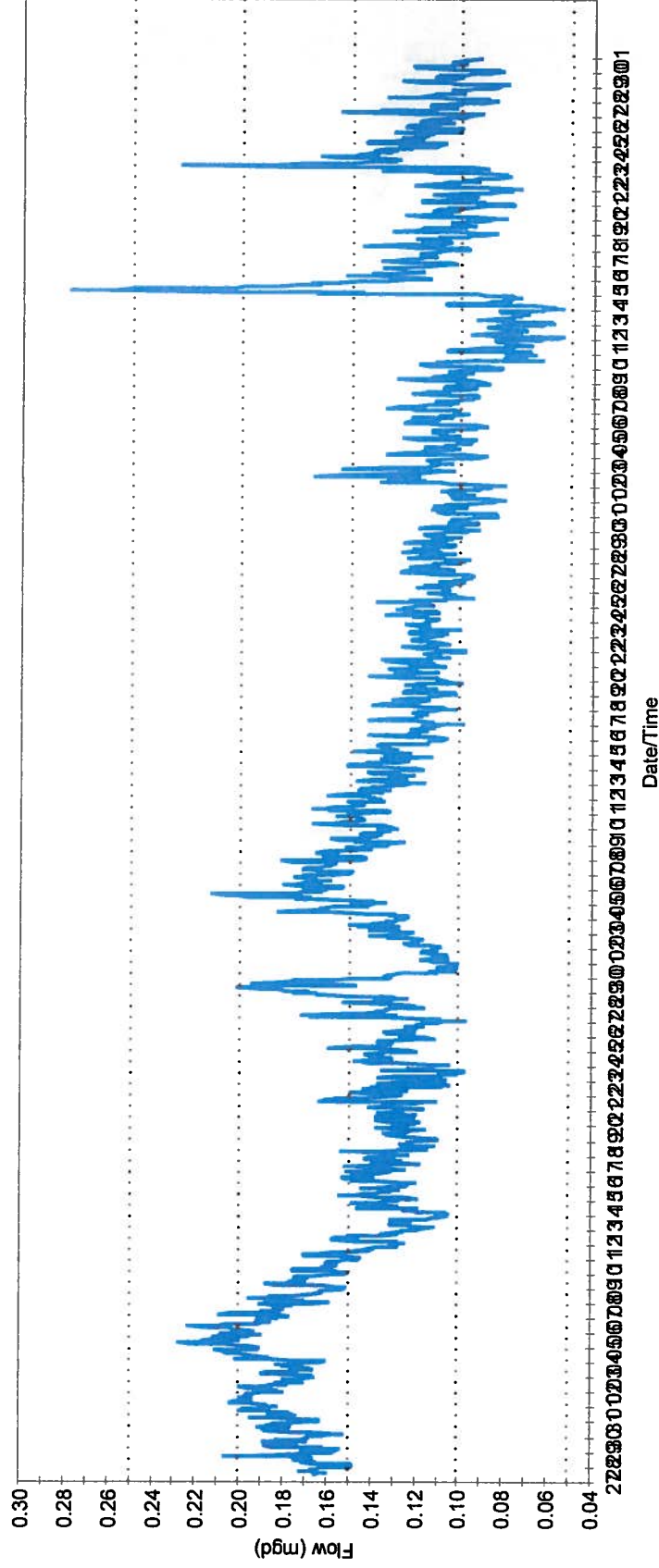
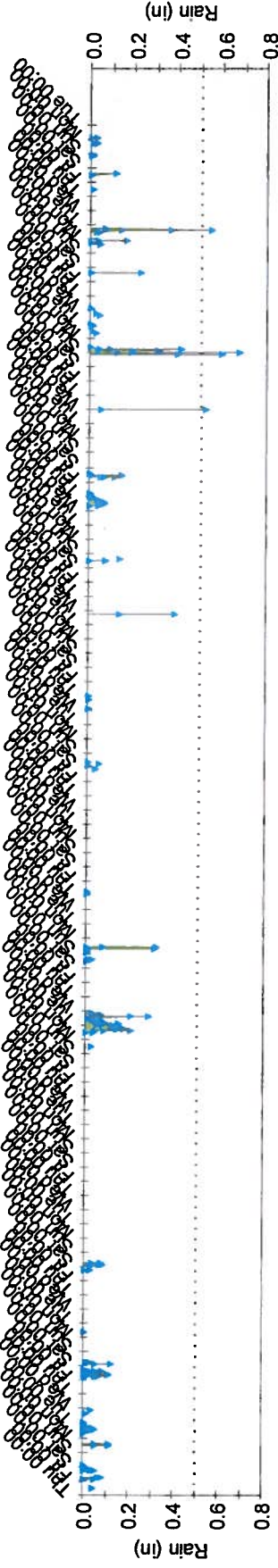
Prepared by Flow Assessment Services, LLC

For: in Portsmouth, NH

Site: 15 / RT. 1 Bypass (under Islington St. Bridge)

FLOW ANALYSIS

Period Covered: 03/27/2008 - 06/30/2008



Portsmouth, NH

FAST Flow Summary

Site: 16 Pierce Island Rd. at Mechanic St.
Meter Type: FLOW
Pipe Shape: 24" Circular Pipe

Date	Minimum Flow (mgd)	Peak Flow (mgd)	Total Daily Flow (mg)	Total Rain (In)	Peak Hourly Rain (In)	Peak 15 Min. Rain (In)
08/21/08 (Thu)	1.460	2.296	0.768	0.00	-----	-----
08/22/08 (Fri)	1.164	2.176	1.707	0.00	-----	-----
08/23/08 (Sat)	0.368	2.192	1.607	0.00	-----	-----
08/24/08 (Sun)	0.415	2.145	1.571	0.00	-----	-----
08/25/08 (Mon)	0.371	2.207	1.571	0.00	-----	-----
08/26/08 (Tue)	0.363	2.103	1.579	0.00	-----	-----
08/27/08 (Wed)	0.321	2.230	1.510	0.00	-----	-----
08/28/08 (Thu)	0.304	2.196	1.630	0.00	-----	-----
08/29/08 (Fri)	0.321	2.213	1.662	0.00	-----	-----
08/30/08 (Sat)	0.201	2.234	1.501	0.00	-----	-----
08/31/08 (Sun)	0.299	2.123	1.487	0.00	-----	-----
09/01/08 (Mon)	0.205	1.990	1.395	0.00	-----	-----
09/02/08 (Tue)	0.427	2.168	1.538	0.00	-----	-----
09/03/08 (Wed)	0.353	1.941	0.487	0.00	-----	-----
Total for period:			20.011	0.00		
Minimum for period:			0.201			
Maximum for period:			2.296			
Average for period:			1.539			

Prepared by Flow Assessment Services, LLC
For: in Portsmouth, NH
Site: 16 / Pierce Island Rd. at Mechanic St.

FLOW ANALYSIS
Period Covered: 08/21/2008 - 09/03/2008

