Carrier
A United Technologies Company

Carrier Corporation
Facilities & Maintenance Services
Carrier Parkway
PO Box 4808
Building TR-7
Syracuse, New York 13221

November 14, 2008

Sandy Lizlovs
DEC Region 7
615 Erie Boulevard West
Syracuse, NY 13204

RE: SPDES # NY0001163; PCB Storm Water Study (PSWS)

Enclosed are results of a 12-month PCB Storm Water Study conducted for Outfalls 001, 002, and 01A as specified in Item a of the compliance schedule in the above SPDES permit.

In addition to PCB data, the study collected information on flow rates, total suspended solids (TSS), oil and grease (O&G), and total organic carbon (TOC). These parameters are needed for design of a water treatment plant that meets permit limits.

If you have any questions, contact Nelson Wong at 315-432-6028.

Greg Lowe
Facilities Maintenance and Service Manager

cc: DEC, Bureau of Water Permits

encl.

PCB STORM WATER QUALITY STUDY
Revision No.: 0

Carrier Corporation
Thompson Road Facility
Syracuse, New York

EnSafe Project No.: 0888805771

Prepared for:

United Technologies Corporation
UTC Shared Remediation Services
United Technologies Building
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November 2008

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1.0 SITE HISTORY

The Carrier Thompson Road Facility (Carrier) is located in the northeast portion of Syracuse, New York, approximately one mile south of the New York State Thruway **(Figure 1 - Site Location Map)**. The facility is bordered by Sanders Creek to the north, Thompson Road with developed and undeveloped commercial land to the west, Kinne Street with residential areas to the east, and residential and commercial areas to the south. The property slopes slightly north toward Sanders Creek. The facility property covers approximately 175 acres and a large majority of the site is either paved or covered by manufacturing and office buildings.

The facility was purchased in the 1950s by Carrier. The Carrier Syracuse facility produces or has produced a variety of products associated with the HVAC (heating, ventilation, air conditioning) industry for home and commercial applications over the years. Operations include or have included the manufacture and assembly of various components associated with HVAC units, including Carlyle compressors.

Carrier is currently working with the New York State Department of Environment and Conservation (NYSDEC) to evaluate polychlorinated biphenyls (PCBs) in storm water effluent under terms of the State Pollution Discharge Elimination System (SPDES) permit issued to Carrier on September 14, 2007, from NYSDEC, Division of Environmental Permits, Region 7. Specifically, Carrier has developed and implemented a ***PCB Storm Water Quality Study (PSWS)*** which includes data from 12 months of monitoring PCB concentrations in storm water discharges from Outfalls 001, 002, and 01A. The monitoring period began mid-November 2007 and was completed mid-October 2008.

The discussion below summarizes the objective of the PSWS and the data collection approach used to meet it, and provides a brief interpretation of the data collected.

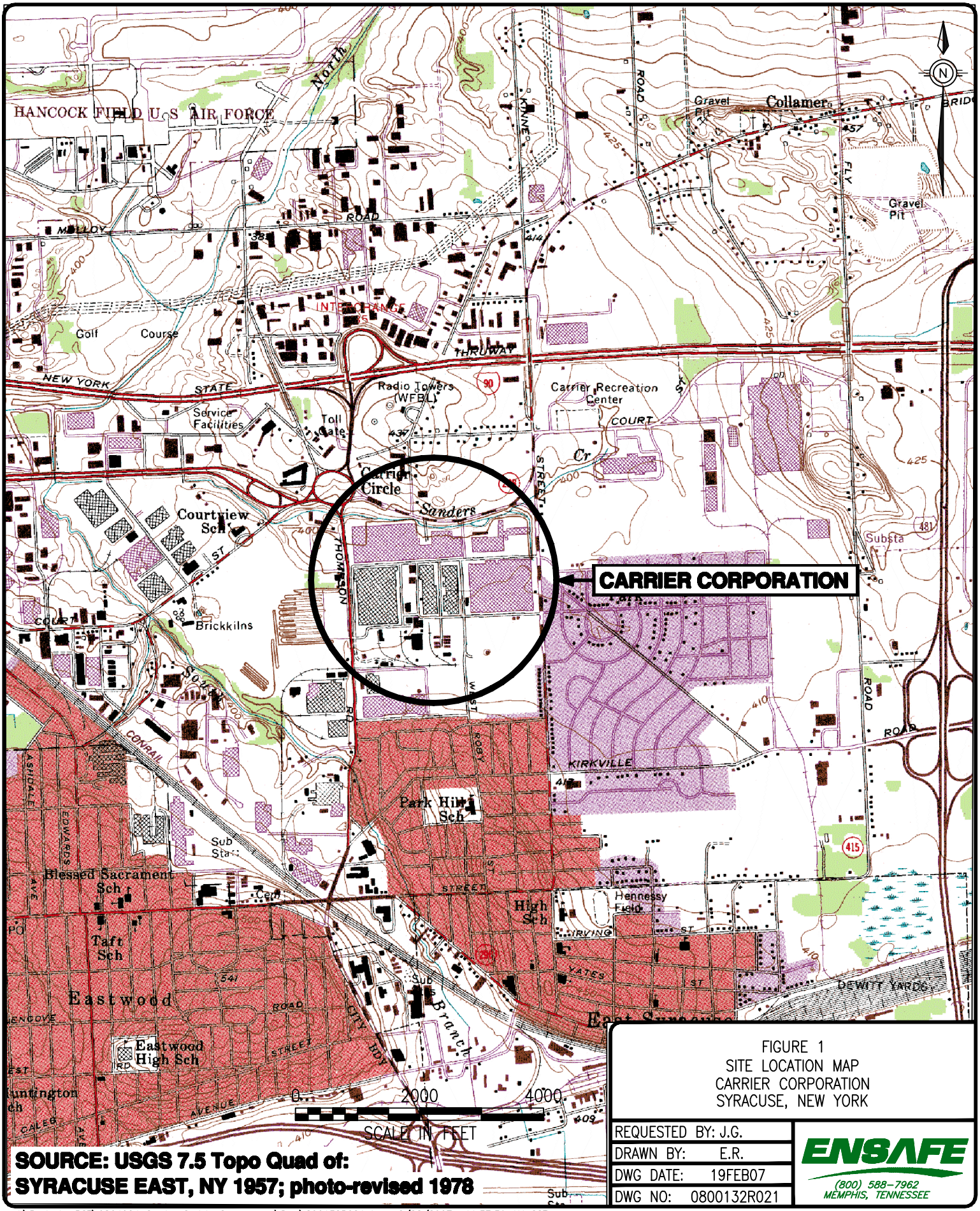

FIGURE 1
SITE LOCATION MAP
CARRIER CORPORATION
SYRACUSE, NEW YORK

REQUESTED BY:	J.G.
DRAWN BY:	E.R.
DWG DATE:	19FEB07
DWG NO:	0800132R021

ENSAFE
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MEMPHIS, TENNESSEE

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2.0 PSWS OBJECTIVES

The contaminants of concern in storm water discharges to Sanders Creek from the Carrier facility are PCBs. The goal of any future actions on storm water discharges would be to minimize PCB-contaminated discharges. With this in mind, the PSWS study focused on obtaining information that would enable Carrier to assess the nature of the discharges as well as enable Carrier to design an end-of-pipe treatment system. Specifically, the PSWS objective was:

- To determine if there are recurring PCB-contaminated storm water discharges above the permit-specified minimum detection limit (MDL) of 0.065 micrograms/liter (µg/L) per Aroclor at Outfall 01A, Pump-Station 1/Outfall 001 (PS-1/Outfall 001), and Pump-Station 2/Outfall 002 (PS-2/Outfall 002).

This objective was achieved by:

- Measuring flow rates in Sanders Creek up-gradient of Outfall 01A/001

- Measuring flow-rates pumped from pumping stations PS-1 and PS-2 to the existing treatment system (PS-1 and PS-2 correspond to the pump stations at Outfall 001 and Outfall 002, respectively.)

- Measuring over-flow rates at Outfalls 001 and 002 (i.e. flows in excess of that which can be handled by the pumps at each pumping station)

- Measuring flow rates at Outfall 01A (the sum of the PS-1 and PS-2 pumped flows)

- Obtaining storm water samples (both grab and composite) during rainfall events and analyzing the samples for PCBs (total and dissolved, Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260), TSS, particle size distribution, TOC, and oil and grease.

3.0 DESCRIPTION OF PSWS PROGRAM

3.1 Equipment Installation

Rainfall Gauge

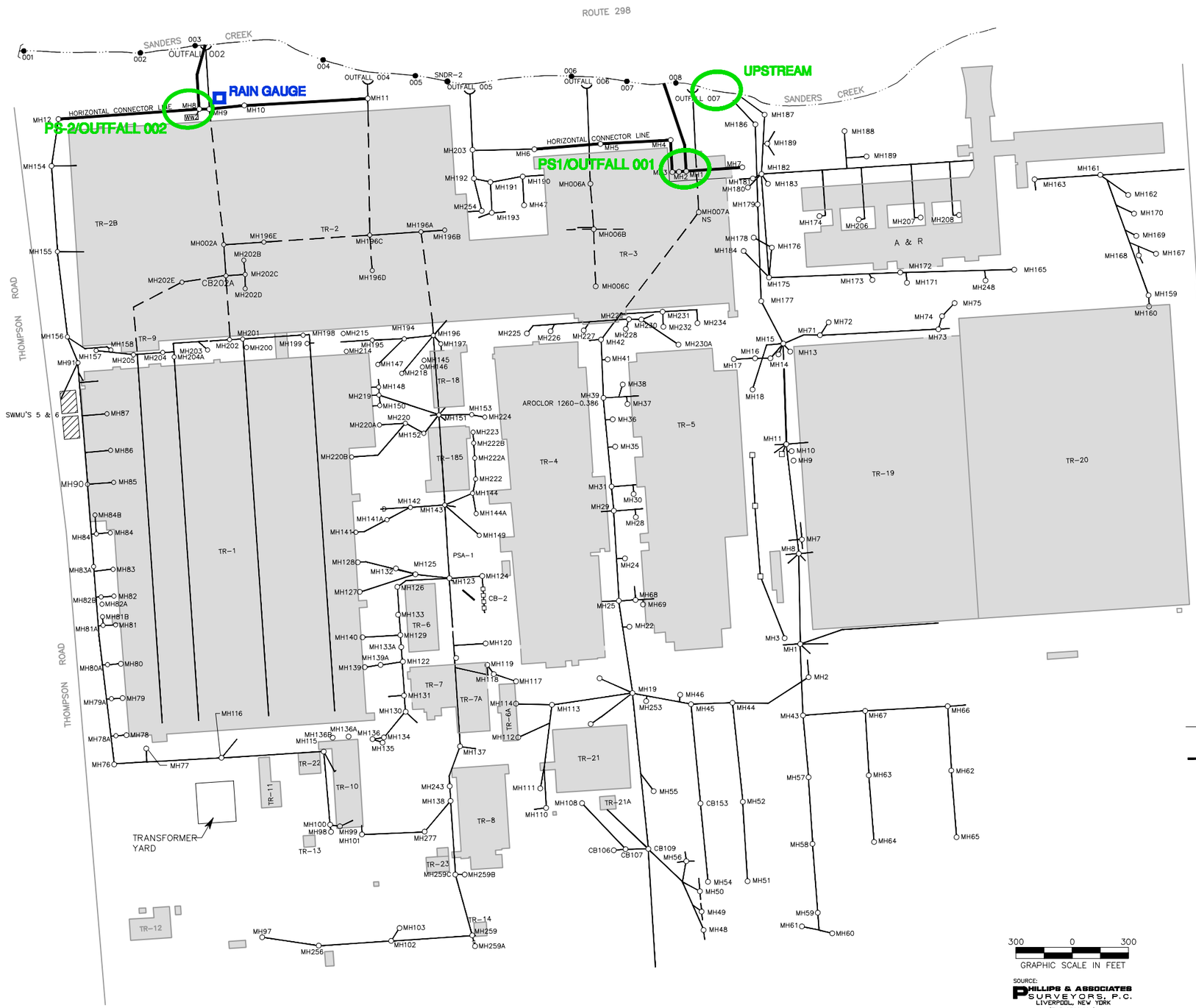
Carrier purchased a rain gauge with automated logging and downloading capabilities to provide detailed records of rainfall events including dates, amounts of rainfall (magnitude and intensity), and the approximate duration or starting and ending times. The site rain gauge was placed on top of a post near PS-2 at least 20 feet from the adjacent building (Figure 2). Daily rainfall measurements collected during the study period are provided in a summary table included as Appendix A.

Flow Meters

Storm water flow measurements at Outfalls 01A, 001 and 002 and Sanders Creek flow measurements were obtained almost continuously during the study period. The equipment used to monitor flow was installed in November 2007 shortly before the first snow event.

- ***Upstream in Sanders Creek —*** A flow meter with a level-area velocity probe was used to measure daily flows in Sanders Creek beginning early December 2007. The probe was installed at the bottom of one of the two 5.5-foot diameter culverts in the stream (Figure 2). The culverts — located under Carrier's north entrance driveway — are approximately 40 yards upstream of where Outfall 001 discharges to Sanders Creek. Daily flow measurements collected during the study period are provided in a summary table included as Appendix A.

- ***Outfall 01A —*** Flow measurements were obtained at this outfall using two existing magnetic flow meters to measure daily flows/base flows as well as storm water flows beginning November 28, 2007. The meters measure water pumped from each of the pumping stations (PS-1 and PS-2) as the storm water is routed to the air stripping towers. The daily flow measurements collected during the study period are provided in a summary table included as Appendix A.



LEGEND

- BUILDING
- STORM SEWER AND SIZE
- MH ○ MANHOLE
- SAMPLING LOCATIONS

300 0 300
GRAPHIC SCALE IN FEET

SOURCE:
PHILLIPS & ASSOCIATES SURVEYORS, P.C.
LIVERPOOL, NEW YORK
(FILE 2700.001)

FIGURE 2
PSWS SAMPLING LOCATIONS
CARRIER FACILITY THOMPSON ROAD
SYRACUSE, NEW YORK

REQUESTED BY:	M.H.
DRAWN BY:	E.R.
DWG DATE:	13NOV08
DWG NO:	805771R020

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MEMPHIS, TENNESSEE

I:\Projects-BST\0805771 UTC Syracuse, NY\805771R001.dwg 11/13/2008 13:54:37 PM CST

- ***PS-1/Outfall 001 —*** Daily base and storm water flow measurements were obtained at this outfall using several devices. Recorded flow measurements from the magnetic flow meter mentioned above were used to obtain flows pumped from PS-1 to the treatment system. A flow meter with a level-area velocity probe was used to measure flows entering the pump station from the TR-18 storm line (MH-1). Other level sensing devices were used to measure discharges to the creek from the overflow weir. The equipment was installed on November 28, 2007. At various times during the study period, malfunctions occurred with the equipment. In these instances, flow measurements were calculated using the level sensors in the PS-1/wet well, to which correlations were developed. Daily flow measurements collected during the study period are provided in a summary table included as Appendix A.

- ***PS-2/Outfall 002 —*** Daily base and storm water flow measurements were obtained at this outfall using several devices. Recorded flow measurements from the magnetic flow meter mentioned above was used to obtain flows pumped from PS-2 to the treatment system. A flow meter with a level velocity-probe was used to measure flows entering the pump station from the Thompson Road storm line (MH-8). A level-velocity sensor was used to measure discharges to the creek from the overflow pipe. The equipment was installed on November 14, 2007. At various times during the study period, malfunctions occurred with the equipment. In these instances, flow measurements were calculated using a level sensor in the PS-2/wet well. Daily flow measurements collected during the study period are provided in a summary table included as Appendix A.

The monthly hydrographs for each outfall are included in Appendix B.

Samplers

Samples were obtained from Sanders Creek and Outfall 01A, PS-1/Outfall 001, and PS-2/Outfall 002 using a Teledyne-ISCO sampler.

- ***Upstream in Sanders Creek —*** The sampler for this location was housed in a fiberglass, heated enclosure and placed on the south bank of Sanders Creek just north of Building TR-3 (Figure 2). An insulated suction line was dropped from the sampler into the creek. The line was attached to a post so that the intake was suspended above the bottom of the creek. The equipment was programmed to obtain samples at the same times that samples were

collected at PS-1/Outfall. Thus, when the sampler at MH-1 was triggered by rising water level in PS-1, the creek sampler was triggered to take a sample.

- ***Outfall 01A —*** The sampler for this location was at the treatment system discharge pipe inside the Building TR-3 waste water treatment plant. The equipment was programmed to obtain samples at the same times that samples were collected at PS-1/Outfall. Thus, when the sampler at MH-1 was triggered by rising water level in PS-1, the Outfall 01A sampler was triggered to take a sample.

- ***PS-1/Outfall 001 —*** The sampler for this location was at MH-1 inside Building TR-3 waste water treatment plant. A suction line was dropped from the sampler into the manhole and was secured to the side of the pipe to keep it out of sediments that periodically accumulate in the bottom of the manhole/pipe. The equipment was programmed to obtain samples under various conditions. Initially, a sampling event was triggered when the level sensor in the pipe detected an increase in level above the base flow. Later, the sampling trigger was modified so that a sample was obtained when the level sensor detected an increase in flow above some pre-set value (i.e., so that the sample obtained was later in a rainfall event).

- ***PS-2/Outfall 002 —*** The sampler for this location was housed inside a fiberglass enclosure adjacent to PS-2 (Figure 2). A suction line was dropped from the sampler into the pump station and was secured to the side of the wet-well and away from the intake to the pumps. The equipment was programmed to obtain samples under various conditions. Initially, a sampling event was triggered when the level sensor in the inlet pipe from MH-8 detected an increase in level above the base flow. Later, the sampling trigger was modified so that a sample was obtained when the level sensor detected an increase in level above some pre-set value (i.e., so that the sample obtained was later in a rainfall event).

3.2 Sampling Procedure

Both grab and composite samples were obtained at the above locations during the study period. Initially, all samples were analyzed for total and dissolved PCBs (Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260). Later, only samples that yielded detectable total PCBs were analyzed for dissolved PCBs. Select samples were analyzed for TSS, particle size distribution, TOC, and oil and grease. Initially, the samplers were set up to obtain a grab sample early in the rain event with a composite sample obtained at various intervals through the remainder of the event.

- Grab sample — usually obtained within the first 30 minutes of a rain event (trigger for sampler was a level sensor detecting an increase in water level in the pipe).

- Composite sample — these samples were obtained in the first 3 hours of the rain event, the next 6 hours of the event, then the next 15 hours of the event. Each composite consisted of 6 sample aliquots.

As the study period progressed, modifications were made to the sampling protocol so that composite samples were taken in the first part of a storm event, with a grab sample later in the event. The grab and composite sampling periods varied throughout the study period so that a solid representation of PCBs in storm water, both during non-overflow and over-flow conditions, could be obtained.

This report includes a summary — included as Appendix C — of all data collected as part of the study with the exception of Aroclor data that was less than the permit-specified MDL of 0.065 µg/l (this includes primarily Aroclors 1016, 1221, 1232, and 1242). Copies of the laboratory analytical data are available electronically, upon request.

4.0 SUMMARY OF FINDINGS

Storm water data was collected from a period covering November 2007 through October 2008 and included 50 sampling events comprising over 180 samples from Outfalls 01A, PS-1/Outfall 001, PS-2/Outfall 002, and Sanders Creek. The data collected included flow rates at the pump stations and outfalls and in Sanders Creek as well as specific chemical data on these flows and discharges. The samples were taken at various times as follows:

- During base flows (i.e. non-rainfall events),

- During storm events when no overflows were occurring at PS/Outfalls 001 and 002 (i.e., 100% of the storm water runoff entering wet well #1 and/or wet well #2 was being pumped to the existing treatment system), and

- During overflow events (storm events when the storm water flowing into the wet wells exceeded the capacity of the pumps to transfer the storm water to the treatment system).

The following subsections present the data obtained at each pump-station/outfall.

4.1 Outfall 01A Discharge Data Summary

As shown in Table 1 below, samples were obtained from Outfall 01A discharges on 35 days during the 12-month PSWS period (Outfall 01A discharges continuously due to groundwater infiltration into the storm water sewer system). As described in Section 3, samples were obtained from outfall discharges at various times during the discharge events. Additionally, some samples represent grab samples and others represent composite samples, and still others represent monthly samples required by the permit and reported in monthly discharge monitoring reports (DMRs). The data or sample presented in the table below represents the highest concentration for which data was obtained *for a particular date*, regardless of type of sample, discharge interval, or number of samples taken on that date. More detailed information on the data obtained at this outfall including water quality parameters, grab vs. composite, and unfiltered vs. filtered PCB analysis can be found in Appendix C.

- On 5 of 35 days, Aroclor 1260 was detected above the permit quantification level (PQL) of 0.30 µg/l per Aroclor. No other Aroclors were detected above the PQL.

- Another 8 of the 35 sampled days showed PCB concentrations above the MDL of 0.065 µg/l per Aroclor.

Table 1
Outfall 01A Discharge Data
Carrier Facility, Thompson Road, Syracuse, New York

	Sample Date	Rainfall		PCB Concentration (µg/l)			
				1248	1254	1260	Total PCB
1	11/16/07*	.12		<0.065	<0.065	<0.065	<0.065
2	12/03/07	0.68		<0.065	<0.065	<0.065	<0.065
3	12/04/07	0		<0.065	0.12	<0.065	0.12
4	12/11/07**	0.28		<0.065	<0.065	<0.065	<0.065
5	12/12/07	0.4		<0.065	<0.065	<0.065	<0.065
6	01/08/08*	0		<0.065	<0.065	<0.065	<0.065
7	01/09/08	0.13		<0.065	<0.065	0.094	0.094
8	01/11/08	0.54		<0.065	<0.065	<0.065	<0.065
9	01/12/08	0.01		<0.065	<0.065	<0.065	<0.065
10	02/01/08	1.13		<0.065	0.14	<0.065	0.14
11	02/02/08	0.09		<0.065	<0.065	<0.065	<0.065
12	02/05/08*	0.5		<0.065	<0.065	<0.065	<0.065
13	03/04/08*	0.4		<0.065	<0.065	<0.065	<0.065
14	03/27/08	0.11		<0.065	<0.065	<0.065	<0.065
15	03/28/08	0.46		<0.065	<0.065	<0.065	<0.065
16	03/31/08	0.69		<0.065	<0.065	<0.065	<0.065
17	04/01/08*^	0.11		<0.25	<0.25	<0.25	<0.25
18	04/04/08	0.19		<0.065	<0.065	<0.065	<0.065
19	05/07/08	0.12		<0.065	<0.065	<0.065	<0.065
20	05/17/08	0.22		<0.065	<0.065	<0.065	<0.065
21	05/22/08*	0.19		<0.065	<0.065	**0.5**	0.5
22	06/06/08	0.72		<0.065	0.14	0.16	0.3
23	06/10/08**	0.52		<0.065	<0.065	0.22	0.22
24	07/03/08*	0.29		<0.065	<0.065	**2.5**	2.5
25	07/11/08	0.06		<0.065	<0.065	<0.065	<0.065
26	07/13/08	0.73		<0.065	<0.065	0.17	0.17
27	07/21/08	0.03		<0.065	<0.065	<0.065	<0.065
28	08/02/08	0.42		<0.065	<0.065	<0.065	<0.065
29	08/04/08	0		<0.065	<0.065	<0.065	<0.065
30	08/07/08*	0.59		<0.065	<0.065	**0.36**	0.36
31	09/09/08*	0.29		<0.065	<0.065	**0.5**	0.5
32	09/27/08	0.5		<0.065	<0.065	0.12	0.12
33	09/30/08	0.14		<0.065	<0.065	<0.065	<0.065
34	10/16/08*	1.28		<0.065	<0.065	**1.6**	1.6
35	10/21/08	0.42		<0.065	<0.065	0.076	0.076

Note:
Red Values = PCB concentration above the MDL of 0.065 µg/l per Aroclor
Red Bold Values = PCB concentration at or above the PQL of 0.3 µg/l per Aroclor
* represents sample data obtained through Carriers DMR as required by their SPDES permit.
** represents a sample date when Carrier obtained a monthly sample as required by their permit, but the study sample had a higher detected PCB value. Therefore the higher value has been included in the table.
^ this sample had an MDL of 0.25 µg/l which is higher than the permit-specified MDL used in this study. The value represents one that was taken by Carrier as part of its monthly permit requirements. A sample was also obtained as part of the PSWS, and was found to be <0.065 µg/l. Therefore, this sample is not considered to have a PCB detection.

4.2 PS-1/Outfall 001 Discharge Data Summary

Table 2 summarizes the data obtained from PS-1/Outfall 001 on the 30 days that the protocol triggered sampling, both during non-overflow (base flow or storm water flow) and overflow conditions. As described in Section 3, samples were obtained from outfall discharges at various times during the discharge event. Additionally, some samples represent grab samples and others represent composite samples. The data or sample presented in the table below represents the highest concentration for which data was obtained *for a particular date*, regardless of type of sample, discharge interval, or number of samples taken on that date. Because of this, it should be noted that the data listed in the table does not represent a continuous PCB concentration being discharged from the Outfall during the entire storm event. More detailed information on the data obtained at this outfall including water quality parameters, grab vs. composite, and unfiltered vs. filtered PCB analysis can be found in Appendix C.

Overall, samples were obtained on 30 days at this location, with 8 samples obtained during non-overflow conditions and 22 samples obtained during overflow conditions.

- Of the 8 days that were sampled during non-overflow conditions, none exceeded the PQL of 0.30 µg/l per Aroclor and only 1 exceeded the MDL of 0.065 µg/l per Aroclor. All flows during these conditions are pumped to the treatment building and discharged through Outfall 01A.

- During the study period, overflows occurred on 82 days of which 22 were sampled. None of the samples was above the PQL of 0.30 µg/l per Aroclor. Only 2 samples had a PCB concentration greater than the MDL of 0.065 µg/l per Aroclor, and then only marginally.

Table 2
PS-1/Outfall 001 Discharge Data
Carrier Facility, Thompson Road, Syracuse, New York

	Sample Date	Rainfall	Overflow Yes/No	PCB Concentration (µg/l) 1248	1254	1260	Total PCB
1	12/01/07	0	**No**	<0.065	<0.065	<0.065	<0.065
2	12/02/07	.5	Yes	<0.065	<0.065	<0.065	<0.065
3	12/03/07	.68	Yes	<0.065	<0.065	<0.065	<0.065
4	12/04/07	0	**No**	<0.065	0.074	<0.065	0.074
5	12/05/07	0	**No**	<0.065	<0.065	<0.065	<0.065
6	12/11/07	0.28	Yes	<0.065	<0.065	<0.065	<0.065
7	12/12/07	0.4	Yes	<0.065	<0.065	<0.065	<0.065
8	01/09/08	0.13	Yes	<0.065	<0.065	<0.065	<0.065
9	01/11/08	0.54	Yes	<0.065	<0.065	<0.065	<0.065
10	01/12/08	0.01	**No**	<0.065	<0.065	<0.065	<0.065
11	02/01/08	1.13	Yes	<0.065	<0.065	<0.065	<0.065
12	02/02/08	0.09	Yes	<0.065	<0.065	<0.065	<0.065
13	03/27/08	0.11	**No**	<0.065	<0.065	<0.065	<0.065
14	03/28/08	0.46	**No**	<0.065	<0.065	<0.065	<0.065
15	03/31/08	0.69	Yes	<0.065	<0.065	<0.065	<0.065
16	04/01/08	0.11	Yes	<0.065	<0.065	<0.065	<0.065
17	04/04/08	0.19	Yes	<0.065	<0.065	<0.065	<0.065
18	05/07/08	0.12	Yes	<0.065	<0.065	<0.065	<0.065
19	05/17/08	0.22	Yes	<0.065	<0.065	<0.065	<0.065
20	06/06/08	0.72	Yes	<0.065	<0.065	<0.065	<0.065
21	06/10/08	0.52	Yes	<0.065	<0.065	<0.065	<0.065
22	07/03/08	0.29	Yes	<0.065	<0.065	<0.065	<0.065
23	07/11/08	0.06	Yes	<0.065	<0.065	<0.065	<0.065
24	07/13/08	0.73	Yes	<0.065	<0.065	0.076	0.076
25	07/21/08	0.03	**No**	<0.065	<0.065	<0.065	<0.065
26	08/02/08	0.42	Yes	<0.065	<0.065	<0.065	<0.065
27	08/04/08	0	**No**	<0.065	<0.065	<0.065	<0.065
28	09/27/08	0.5	Yes	<0.065	<0.065	0.092	0.092
29	09/30/08	0.14	Yes	<0.065	<0.065	<0.065	<0.065
30	10/21/08	0.42	Yes	<0.065	<0.065	<0.065	<0.065

Notes:
Red Values = PCB concentration above the MDL of 0.065 µg/l per Aroclor
Red Bold Values = PCB concentration at or above the PQL of 0.3 µg/l per Aroclor

4.3 PS-2/Outfall 002 Discharge Data Summary

Table 3 summarizes the data obtained from PS-2/Outfall 002 during the study period, both during non-overflow (base flow or storm water flow) and overflow conditions. As described in Section 3, samples were obtained from outfall discharges at various times during the discharge event. Additionally, some samples represent grab samples and others represent composite samples. The data or sample presented in the table below represents the highest concentration for which data was obtained *for a particular date (24-hour day)*, regardless of type of sample, discharge interval, or number of samples taken on that date. Because of this, it should be noted that the data listed in the table does not represent a continuous PCB concentration being discharged from the Outfall

during the entire storm event. More detailed information on the data obtained at this outfall including water quality parameters, grab vs. composite, and unfiltered vs. filtered PCB analysis can be found in Appendix C.

Overall, samples were obtained on 35 days at this location, with 10 samples obtained during non-overflow conditions and 25 samples obtained during overflow conditions.

- Of the 10 days that were sampled during non-overflow conditions, there were 3 PCB detections. Only 1 exceeded the PQL of 0.30 µg/l per Aroclor and 2 others exceeded the MDL of 0.065 µg/l per Aroclor. All flows during these conditions are pumped to the treatment building and discharged through Outfall 01A.

- During the study period, overflows occurred on 90 days of which 25 days were sampled. There were PCB detections on 18 days of which 3 were above the PQL of 0.30 µg/l per Aroclor. Another 15 were above the MDL of 0.065 µg/l per Aroclor. On the days when overflows occurred, there was one instance when the sample was obtained after overflow conditions ended. This sample represents a composite sample taken at 4 separate intervals during the day. Overflow occurred early in the day, and the composite sample that had the PCB detection occurred late in the day. This sample is circled in the table so that it is not assumed these concentrations are being discharged continuously to Sanders Creek through this outfall.

Table 3
PS-2 Outfall 002 Discharge Data
Carrier Facility, Thompson Road, Syracuse, New York

	Sample Date	Rainfall	Overflow Yes/No	PCB Concentration (µg/l) 1248	1254	1260	Total PCB
1	11/14/07	0.05	**No**	<0.065	<0.065	<0.065	<0.065
2	11/15/07	1.19	Yes	<0.065	0.27	0.15	0.42
3	11/16/07	0.12	Yes	<0.065	<0.065	<0.065	<0.065
4	11/17/07	0	**No**	<0.065	<0.065	<0.065	<0.065
5	11/18/07	0	**No**	<0.065	<0.065	<0.065	<0.065
6	11/29/07	0.02	**No**	<0.065	.012	0.18	0.3
7	12/02/07	0.5	Yes	<0.065	<0.065	<0.065	<0.065
8	12/11/07	0.28	Yes	<0.065	<0.065	0.1	0.094
9	01/09/08	0.13	Yes	<0.065	<0.065	0.21	0.13
10	01/11/08	0.54	**No**	<0.065	<0.065	<0.065	<0.065
11	01/12/08	0.01	**No**	<0.065	<0.065	<0.065	<0.065
12	02/01/08	1.13	Yes	**0.98**	**0.44**	**0.81**	2.23
13	02/02/08	0.09	Yes	<0.065	0.068	<0.065	0.068
14	03/20/08	0.06	Yes	<0.065	**0.55**	**0.31**	0.86
15	03/21/08	0	**No**	<0.065	<0.065	<0.065	<0.065
16	03/25/08	0.04	**No**	<0.065	0.077	0.16	0.237
17	03/26/08	0.02	**No**	<0.065	<0.065	<0.065	<0.065
18	04/01/08	0.11	Yes	<0.065	0.11	0.16	0.27
19	04/04/08	0.19	Yes	<0.065	<0.065	<0.065	<0.065
20	05/02/08	0.21	Yes	<0.065	0.29	**0.38**	0.67
21	05/07/08	0.12	**No**	<0.065	0.2	**0.35**	0.55
22	05/17/08	0.22	Yes	<0.065	0.12	0.096	0.216
23	06/06/08	0.72	Yes	<0.065	0.1	0.19	0.29
24	06/10/08	0.52	Yes	<0.065	0.2	0.14	0.34
25	07/03/08	0.29	Yes	<0.065	<0.065	<0.065	<0.065
26	07/11/08	0.06	Yes	<0.065	<0.065	<0.065	<0.065
27	07/13/08	0.73	Yes	<0.065	0.14	0.13	0.27
28	07/22/08	0.16	Yes	<0.065	<0.065	0.12	0.12
29	08/02/08	0.42	Yes	<0.065	<0.065	0.12	0.12
30	08/07/08	0.59	Yes	<0.065	<0.065	0.09	0.09
31	08/19/08	0.33	Yes	<0.065	0.092	0.13	0.222
32	09/12/08	0.55	Yes	<0.065	<0.065	<0.065	<0.065
33	09/27/08	0.5	Yes	<0.065	<0.065	0.092	0.092
34	09/30/08	0.14	Yes	<0.065	<0.065	<0.065	<0.065
35	10/21/08	0.42	Yes	<0.065	<0.065	0.076	0.076

Notes:
Red Values = PCB concentration above the MDL of 0.065 µg/l per Aroclor
Red Bold Values = PCB concentration at or above the PQL of 0.3 µg/l per Aroclor

4.4 Sanders Creek (Upstream)

During the study period, flow measurements were obtained in Sanders Creek (Appendix A). As described in Section 3, samples were obtained in the creek when a PS-1/Outfall 001 sample was triggered. Of the 29 samples obtained in Sanders Creek, none was above the MDL.

5.0 CONCLUSIONS

The discharge from each of the three outfalls was assessed independently in terms of its PCB concentrations and potential treatment requirements. Each pumping station receives storm water flows from a distinct portion of the facility, and an assessment of potential treatment schemes will take into account the PCB contribution from each PS/Outfall.

Outfall 01A

Storm water samples were collected at Outfall 01A on 35 days during the PSWS period from November 2007 through October 2008. Five of the 35 samples (14%) were above the PQL of 0.30 µg/l per Aroclor and 13 of the 35 samples (37%) were above the discharge goal — the permit-specified MDL of 0.065 µg/l per Aroclor.

PCB analysis was performed on both unfiltered and filtered samples. PCB detections were found predominantly in unfiltered samples, with filtered samples (in most cases) showing a marked decrease in PCB concentration. The cause of the detectable level of PCBs in the discharge appears to be contaminated sediments that wash into the storm water sewer collection system. However, the source of the sediments is unknown. Therefore, end-of-pipe PCB treatment for Outfall 01A discharges is recommended to meet the requirements of the permit. As required in the Schedule of Compliance in the permit, Carrier will submit an approvable report, signed and stamped by a professional engineer licensed to practice in the State of New York, for the design and construction of a treatment system designed to assure that the discharge from Outfall 01A achieves compliance with the PCB effluent limitations and monitoring requirements listed in their permit. This report will be submitted by the end of July 2009, 21 months from the effective date of permit modification (EDPM). Early in the design report preparation and prior to its submittal, Carrier will consult with NYSDEC personnel on the planned treatment approach.

PS-1/Outfall 001

PCB concentrations in discharges from PS-1/Outfall 001 exceeded the permit-specified MDL of 0.065 µg/l in only 2 of the 22 overflow sampling events (11%), and then only marginally, as summarized in Table 2. Therefore, additional capture and subsequent treatment of storm water overflows from Outfall 001 is not necessary at this time. Storm water overflows from this outfall will continue to be monitored as part of Carrier's approved Pollutant Management Plan (PMP), which requires annual reporting in February of each year with the first report due in February 2009. If data collected as part of this program shows PCB concentrations in overflows from this outfall consistently exceed the MDL, Carrier will reassess its proposed PCB-treatment system for possible modifications to treat these outfall overflows.

PS-2/Outfall 002

During the study period, overflows occurred on 90 days of which 25 days were sampled. There were PCB detections on 18 days, of which 3 were above the PQL of 0.30 µg/l per Aroclor (12%). Another 15 were above the MDL of 0.065 µg/l per Aroclor (60%). Storm water that does not overflow at this outfall is pumped directly to the treatment building at Outfall 01A, and therefore will be effectively captured by any proposed end-of-pipe PCB treatment system installed there. Additional capture and subsequent treatment of storm water overflows from Outfall 002 will be considered as part of an end-of-pipe treatment design.

Until a treatment system is designed and installed, overflows from this outfall will continue to be monitored as part of Carrier's approved PMP. During this time, Carrier will use the data collected to assess the feasibility of separating PS-2/Outfall 002 storm water since the data suggests that it is the primary storm line contributing PCB contaminated storm water to Outfall 01A discharges. As mentioned in the Outfall 01A discussion above, Carrier will consult with NYSDEC personnel on the planned treatment approach early in the design process so that conceptual changes in end-of-pipe treatment design can be considered.

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
11/14/2007	0.05	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/15/2007	1.19	NM	NM	NM	NM	1,496,370	NM	NM	NM	NM	NM
11/16/2007	0.12	NM	NM	NM	NM	214,350	NM	NM	NM	NM	NM
11/17/2007	0	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/18/2007	0	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/19/2007	0	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/20/2007	0	NM	NM	NM	NM	765,207	NM	NM	NM	NM	NM
11/21/2007	0	NM	NM	NM	NM	71,281	NM	NM	NM	NM	NM
11/22/2007	0	NM	NM	NM	NM	151,949	NM	NM	NM	NM	NM
11/23/2007	0	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/24/2007	0	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/25/2007	0	NM	NM	NM	NM	0	NM	NM	NM	NM	NM
11/26/2007	0	NM	NM	NM	NM	1,203,550	NM	NM	NM	NM	NM
11/27/2007	0	NM	NM	NM	NM	147,796	NM	NM	NM	NM	NM
11/28/2007	0	130,058	0	130,058	165,438	0	165,438	295,496	0	295,496	NM
11/29/2007	0.02	87,993	0	87,993	101,921	0	101,921	189,914	0	189,914	NM
11/30/2007	0	60,579	0	60,579	80,621	0	80,621	141,200	0	141,200	NM
12/1/2007	0	90,256	0	90,256	76,558	0	76,558	166,814	0	166,814	NM
12/2/2007	0.5	111,597	253,996	365,593	114,309	91,006	205,315	225,906	345,002	570,908	2,029,960
12/3/2007	0.68	537,439	3,181,890	3,719,329	420,081	1,120,250	1,540,331	957,520	4,302,140	5,259,660	22,629,900
12/4/2007	0	184,247	0	184,247	177,695	0	177,695	361,942	0	361,942	4,626,470
12/5/2007	0	167,477	0	167,477	152,426	0	152,426	319,903	0	319,903	3,156,400
12/6/2007	0	135,464	0	135,464	138,220	0	138,220	273,684	0	273,684	2,379,450
12/7/2007	0	102,589	0	102,589	135,004	0	135,004	237,593	0	237,593	1,927,650
12/8/2007	0.02	133,087	0	133,087	175,488	0	175,488	308,575	0	308,575	1,895,870
12/9/2007	0.03	89,205	0	89,205	146,846	0	146,846	236,051	0	236,051	1,750,980
12/10/2007	0.05	84,445	0	84,445	142,943	0	142,943	227,388	0	227,388	1,669,710
12/11/2007	0.28	292,876	1,980,320	2,273,196	242,146	651,950	894,096	535,022	2,632,270	3,167,292	3,462,720
12/12/2007	0.4	512,711	2,982,390	3,495,101	396,491	397,784	794,275	909,202	3,380,174	4,289,376	16,150,600
12/13/2007	0.04	114,156	0	114,156	166,790	0	166,790	280,946	0	280,946	3,527,520
12/14/2007	0.1	116,364	0	116,364	183,671	0	183,671	300,035	0	300,035	2,605,420
12/15/2007	0.09	89,151	0	89,151	129,015	0	129,015	218,166	0	218,166	1,817,800
12/16/2007	0.62	62,599	0	62,599	124,845	0	124,845	187,444	0	187,444	1,675,960
12/17/2007	0.11	62,578	0	62,578	133,405	0	133,405	195,983	0	195,983	1,650,850
12/18/2007	0.01	90,107	0	90,107	165,378	0	165,378	255,485	0	255,485	1,872,590
12/19/2007	0	93,312	0	93,312	177,701	0	177,701	271,013	0	271,013	1,829,880
12/20/2007	0.03	107,861	0	107,861	198,821	0	198,821	306,682	0	306,682	1,898,970
12/21/2007	0	112,351	0	112,351	188,971	0	188,971	301,322	0	301,322	1,879,620
12/22/2007	0	156,065	0	156,065	227,123	0	227,123	383,188	0	383,188	2,034,980
12/23/2007	0.62	437,563	2,357,580	2,795,143	450,715	3,102,220	3,552,935	888,278	5,459,800	6,348,078	20,168,300
12/24/2007	0	350,142	2,085,030	2,435,172	385,953	10,363	396,316	736,095	2,095,393	2,831,488	13,928,700
12/25/2007	0	138,352	0	138,352	193,529	0	193,529	331,881	0	331,881	3,905,170
12/26/2007	0	108,864	0	108,864	160,221	0	160,221	269,085	0	269,085	2,581,590

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
12/27/2007	0.23	284,655	2,239,440	2,524,095	263,844	402,541	666,385	548,499	2,641,981	3,190,480	4,619,790
12/28/2007	0.07	214,974	5,797	220,771	225,388	0	225,388	440,362	5,797	446,159	4,086,850
12/29/2007	0.05	312,811	2,169,000	2,481,811	264,618	214,306	478,924	577,429	2,383,306	2,960,735	6,245,930
12/30/2007	0.05	113,994	0	113,994	151,083	0	151,083	265,077	0	265,077	3,163,820
12/31/2007	0.23	167,430	0	167,430	192,100	0	192,100	359,530	0	359,530	2,923,780
1/1/2008	0.09	225,329	22,466	247,795	255,130	4,395	259,525	480,459	26,861	507,320	3,081,940
1/2/2008	0	92,390	0	92,390	150,516	0	150,516	242,906	0	242,906	2,459,240
1/3/2008	0	62,861	0	62,861	131,754	0	131,754	194,615	0	194,615	1,629,730
1/4/2008	0	62,248	0	62,248	124,513	0	124,513	186,761	0	186,761	1,318,390
1/5/2008	0	90,707	0	90,707	169,769	0	169,769	260,476	0	260,476	1,255,310
1/6/2008	0	299,467	668,601	968,068	279,068	45,053	324,121	578,535	713,654	1,292,189	2,121,090
1/7/2008	0.01	344,144	59,286	403,430	206,575	0	206,575	550,719	59,286	610,005	4,552,290
1/8/2008	0	339,209	0	339,209	223,140	0	223,140	562,349	0	562,349	4,305,300
1/9/2008	0.13	281,532	1,671,460	1,952,992	233,472	230,636	464,108	515,004	1,902,096	2,417,100	4,785,310
1/10/2008	0	92,565	0	92,565	141,095	0	141,095	233,660	0	233,660	2,656,620
1/11/2008	0.54	421,836	4,795,790	5,217,626	381,751	730,308	1,112,059	803,587	5,526,098	6,329,685	11,786,800
1/12/2008	0.01	150,147	1,791	151,938	188,146	0	188,146	338,293	1,791	340,084	4,197,410
1/13/2008	0	94,167	0	94,167	137,521	0	137,521	231,688	0	231,688	2,409,700
1/14/2008	0.12	214,577	136,683	351,260	219,161	0	219,161	433,738	136,683	570,421	2,830,140
1/15/2008	0	152,941	0	152,941	181,708	0	181,708	334,649	0	334,649	2,843,130
1/16/2008	0.01	100,166	0	100,166	125,014	0	125,014	225,180	0	225,180	1,985,840
1/17/2008	0	67,944	0	67,944	118,098	0	118,098	186,042	0	186,042	1,621,920
1/18/2008	0	139,530	43,175	182,705	193,406	29,864	223,270	332,936	73,039	405,975	1,745,880
1/19/2008	0	62,046	0	62,046	103,903	0	103,903	165,949	0	165,949	1,406,270
1/20/2008	0	45,868	0	45,868	101,949	0	101,949	147,817	0	147,817	1,188,160
1/21/2008	0	42,442	0	42,442	102,164	0	102,164	144,606	0	144,606	1,043,830
1/22/2008	0	41,344	0	41,344	99,491	0	99,491	140,835	0	140,835	1,050,430
1/23/2008	0	38,840	0	38,840	97,539	0	97,539	136,379	0	136,379	1,038,590
1/24/2008	0.02	39,540	0	39,540	95,865	0	95,865	135,405	0	135,405	1,031,980
1/25/2008	0.08	36,679	0	36,679	97,323	0	97,323	134,002	0	134,002	1,023,570
1/26/2008	0.03	36,167	0	36,167	97,428	0	97,428	133,595	0	133,595	983,895
1/27/2008	0.01	41,183	0	41,183	99,596	0	99,596	140,779	0	140,779	985,010
1/28/2008	0	40,186	0	40,186	102,343	0	102,343	142,529	0	142,529	1,008,900
1/29/2008	0.17	213,520	609,396	822,916	229,799	131,330	361,129	443,319	740,726	1,184,045	1,387,780
1/30/2008	0.03	136,205	320,667	456,872	156,456	44,673	201,129	292,661	365,340	658,001	2,268,450
1/31/2008	0	43,371	0	43,371	101,865	0	101,865	145,236	0	145,236	1,256,570
2/1/2008	1.13	230,762	1,824,690	2,055,452	235,481	776,219	1,011,700	466,243	2,600,909	3,067,152	6,919,240
2/2/2008	0.09	453,304	5,519,880	5,973,184	392,509	781,635	1,174,144	845,813	6,301,515	7,147,328	10,275,100
2/3/2008	0	300,356	797,804	1,098,160	322,751	151,317	474,068	623,107	949,121	1,572,228	4,136,480
2/4/2008	0	201,186	0	201,186	254,613	9,393	264,006	455,799	9,393	465,192	2,796,090
2/5/2008	0.5	477,958	4,367,660	4,845,618	464,725	1,125,730	1,590,455	942,683	5,493,390	6,436,073	18,579,600
2/6/2008	0.79	479,130	3,750,330	4,229,460	484,275	1,002,890	1,487,165	963,405	4,753,220	5,716,625	17,806,700
2/7/2008	0.02	296,505	1,345,280	1,641,785	342,148	11,077	353,225	638,653	1,356,357	1,995,010	9,089,200
2/8/2008	0	120,646	0	120,646	166,039	0	166,039	286,685	0	286,685	2,773,970

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
2/9/2008	0.05	145,542	484,475	630,017	168,401	80,448	248,849	313,943	564,923	878,866	2,203,780
2/10/2008	0	106,750	0	106,750	150,445	0	150,445	257,195	0	257,195	2,403,730
2/11/2008	0	62,161	0	62,161	123,506	0	123,506	185,667	0	185,667	1,410,100
2/12/2008	0	50,837	0	50,837	115,128	0	115,128	165,965	0	165,965	992,274
2/13/2008	0.2	68,887	0	68,887	133,208	0	133,208	202,095	0	202,095	1,124,440
2/14/2008	0.06	77,774	0	77,774	143,914	0	143,914	221,688	0	221,688	1,191,660
2/15/2008	0	71,122	0	71,122	155,579	0	155,579	226,701	0	226,701	1,201,140
2/16/2008	0	57,455	0	57,455	127,583	0	127,583	185,038	0	185,038	1,034,370
2/17/2008	0.1	226,938	2,472,870	2,699,808	241,140	1,132,300	1,373,440	468,078	3,605,170	4,073,248	2,222,610
2/18/2008	0	364,960	2,397,060	2,762,020	348,188	134,941	483,129	713,148	2,532,001	3,245,149	10,529,300
2/19/2008	0	112,675	0	112,675	158,533	0	158,533	271,208	0	271,208	2,398,620
2/20/2008	0	67,318	0	67,318	126,859	0	126,859	194,177	0	194,177	1,363,520
2/21/2008	0	58,384	0	58,384	119,890	0	119,890	178,274	0	178,274	1,049,650
2/22/2008	0.06	59,387	0	59,387	117,085	0	117,085	176,472	0	176,472	1,015,340
2/23/2008	0	54,237	0	54,237	118,169	0	118,169	172,406	0	172,406	933,549
2/24/2008	0	116,586	66,072	182,658	155,990	110,599	266,589	272,576	176,671	449,247	972,798
2/25/2008	0	66,456	0	66,456	116,231	0	116,231	182,687	0	182,687	938,170
2/26/2008	0.13	64,787	0	64,787	132,950	0	132,950	197,737	0	197,737	1,086,100
2/27/2008	0.02	90,626	0	90,626	167,308	0	167,308	257,934	0	257,934	1,228,360
2/28/2008	0	68,160	0	68,160	134,071	0	134,071	202,231	0	202,231	1,017,460
2/29/2008	0	67,143	0	67,143	128,709	0	128,709	195,852	0	195,852	899,002
3/1/2008	0.1	99,230	0	99,230	167,794	0	167,794	267,024	0	267,024	1,079,580
3/2/2008	0.14	118,431	0	118,431	190,540	0	190,540	308,971	0	308,971	1,156,300
3/3/2008	0.01	325,461	3,225,930	3,551,391	307,760	900,255	1,208,015	633,221	4,126,185	4,759,406	5,305,390
3/4/2008	0.4	445,750	3,804,910	4,250,660	373,255	670,952	1,044,207	819,005	4,475,862	5,294,867	8,887,320
3/5/2008	0.5	423,634	2,519,010	2,942,644	413,955	816,361	1,230,316	837,589	3,335,371	4,172,960	14,293,000
3/6/2008	0	162,582	0	162,582	206,271	0	206,271	368,853	0	368,853	2,946,990
3/7/2008	0.42	239,299	1,617,470	1,856,769	237,776	426,510	664,286	477,075	2,043,980	2,521,055	4,131,090
3/8/2008	0.76	481,944	4,065,100	4,547,044	453,998	1,148,610	1,602,608	935,942	5,213,710	6,149,652	18,040,100
3/9/2008	0	271,191	536,571	807,762	329,098	26,735	355,833	600,289	563,306	1,163,595	7,818,430
3/10/2008	0	161,229	0	161,229	217,851	0	217,851	379,080	0	379,080	3,395,960
3/11/2008	0	124,780	0	124,780	167,655	0	167,655	292,435	0	292,435	2,767,910
3/12/2008	0.07	152,497	0	152,497	178,501	0	178,501	330,998	0	330,998	2,824,380
3/13/2008	0	118,067	0	118,067	158,958	0	158,958	277,025	0	277,025	2,082,050
3/14/2008	0.08	202,405	264,936	467,341	235,121	100,031	335,152	437,526	364,967	802,493	2,755,300
3/15/2008	0.01	221,895	807,048	1,028,943	213,919	106,395	320,314	435,814	913,443	1,349,257	5,039,760
3/16/2008	0	103,061	0	103,061	145,986	0	145,986	249,047	0	249,047	2,852,540
3/17/2008	0	79,012	0	79,012	132,801	0	132,801	211,813	0	211,813	1,989,610
3/18/2008	0.02	93,487	0	93,487	139,130	0	139,130	232,617	0	232,617	1,781,280
3/19/2008	0.59	408,243	4,110,490	4,518,733	357,413	1,083,970	1,441,383	765,656	5,194,460	5,960,116	7,941,430
3/20/2008	0.06	346,251	1,404,900	1,751,151	332,793	210,023	542,816	679,044	1,614,923	2,293,967	10,837,900
3/21/2008	0	114,364	0	114,364	163,256	0	163,256	277,620	0	277,620	2,938,320
3/22/2008	0	81,571	0	81,571	134,000	0	134,000	215,571	0	215,571	1,912,870
3/23/2008	0	67,143	0	67,143	122,919	0	122,919	190,062	0	190,062	1,540,840

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
3/24/2008	0	73,599	0	73,599	118,224	0	118,224	191,823	0	191,823	1,359,820
3/25/2008	0.04	88,256	67	88,323	135,865	0	135,865	224,121	67	224,188	1,322,800
3/26/2008	0.02	94,948	821	95,769	137,554	0	137,554	232,502	821	233,323	1,686,300
3/27/2008	0.11	136,231	234,034	370,265	156,474	50,461	206,935	292,705	284,495	577,200	1,597,800
3/28/2008	0.46	381,347	2,773,390	3,154,737	317,924	230,978	548,902	699,271	3,004,368	3,703,639	4,478,480
3/29/2008	0	183,776	0	183,776	212,406	0	212,406	396,182	0	396,182	2,854,210
3/30/2008	0	196,204	938,122	1,134,326	204,331	372,881	577,212	400,535	1,311,003	1,711,538	2,293,930
3/31/2008	0.69	404,419	3,219,880	3,624,299	365,230	909,028	1,274,258	769,649	4,128,908	4,898,557	14,525,500
4/1/2008	0.11	368,650	1,808,100	2,176,750	343,205	166,427	509,632	711,855	1,974,527	2,686,382	9,010,640
4/2/2008	0	129,331	0	129,331	179,614	0	179,614	308,945	0	308,945	3,674,950
4/3/2008	0	85,018	0	85,018	139,703	0	139,703	224,721	0	224,721	2,083,520
4/4/2008	0.19	322,236	911,973	1,234,209	290,895	17,088	307,983	613,131	929,061	1,542,192	3,065,930
4/5/2008	0	143,597	0	143,597	179,261	0	179,261	322,858	0	322,858	3,108,020
4/6/2008	0	77,329	0	77,329	130,710	0	130,710	208,039	0	208,039	1,969,010
4/7/2008	0	64,578	0	64,578	119,738	0	119,738	184,316	0	184,316	1,571,630
4/8/2008	0	56,438	0	56,438	113,574	0	113,574	170,012	0	170,012	1,417,460
4/9/2008	0	53,018	0	53,018	110,156	0	110,156	163,174	0	163,174	1,296,940
4/10/2008	0	48,561	0	48,561	106,280	0	106,280	154,841	0	154,841	1,191,330
4/11/2008	0.4	320,075	507,702	827,777	273,706	662,892	936,598	593,781	1,170,594	1,764,375	3,662,190
4/12/2008	0.23	260,540	322,768	583,308	272,748	241,053	513,801	533,288	563,821	1,097,109	7,704,170
4/13/2008	0.01	106,804	0	106,804	152,953	0	152,953	259,757	0	259,757	2,653,490
4/14/2008	0	66,995	0	66,995	120,573	0	120,573	187,568	0	187,568	1,694,560
4/15/2008	0	54,122	0	54,122	112,949	0	112,949	167,071	0	167,071	1,343,130
4/16/2008	0	48,999	0	48,999	106,590	0	106,590	155,589	0	155,589	1,199,510
4/17/2008	0	43,175	0	43,175	92,719	0	92,719	135,894	0	135,894	1,114,890
4/18/2008	0	44,623	0	44,623	97,808	0	97,808	142,431	0	142,431	1,073,140
4/19/2008	0	43,876	0	43,876	96,518	0	96,518	140,394	0	140,394	1,011,560
4/20/2008	0	44,508	0	44,508	95,275	0	95,275	139,783	0	139,783	980,989
4/21/2008	0	42,617	0	42,617	93,856	0	93,856	136,473	0	136,473	966,890
4/22/2008	0	39,876	0	39,876	95,611	0	95,611	135,487	0	135,487	944,172
4/23/2008	0	45,310	0	45,310	93,451	0	93,451	138,761	0	138,761	941,312
4/24/2008	0	42,987	0	42,987	94,015	0	94,015	137,002	0	137,002	918,758
4/25/2008	0	37,655	0	37,655	92,886	0	92,886	130,541	0	130,541	909,877
4/26/2008	0.83	171,207	790,876	962,083	168,823	1,270,350	1,439,173	340,030	2,061,226	2,401,256	6,189,070
4/27/2008	0	200,607	151,353	351,960	229,348	5,659	235,007	429,955	157,012	586,967	6,058,170
4/28/2008	0.58	395,822	923,277	1,319,099	306,540	841,332	1,147,872	702,362	1,764,609	2,466,971	7,677,840
4/29/2008	0	109,322	0	109,322	164,125	0	164,125	273,447	0	273,447	3,596,580
4/30/2008	0	65,083	0	65,083	114,531	0	114,531	179,614	0	179,614	1,645,000
5/1/2008	0.01	55,657	0	55,657	103,996	0	103,996	159,653	0	159,653	1,287,020
5/2/2008	0.21	179,380	40,503	219,883	170,688	114,497	285,185	350,068	155,000	505,068	1,846,590
5/3/2008	0.23	104,515	178,855	283,370	128,924	232,769	361,693	233,439	411,624	645,063	1,800,720
5/4/2008	0.08	196,696	44,515	241,211	187,480	124,254	311,734	384,176	168,769	552,945	2,986,640
5/5/2008	0.01	58,357	0	58,357	107,996	0	107,996	166,353	0	166,353	1,469,790
5/6/2008	0.01	47,336	0	47,336	97,724	0	97,724	145,060	0	145,060	1,205,470

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
5/7/2008	0.12	132,751	52,446	185,197	144,173	111,623	255,796	276,924	164,069	440,993	1,288,450
5/8/2008	0.01	68,813	0	68,813	120,591	0	120,591	189,404	0	189,404	1,419,610
5/9/2008	0.01	42,953	0	42,953	91,939	0	91,939	134,892	0	134,892	1,095,840
5/10/2008	0	40,462	0	40,462	88,603	0	88,603	129,065	0	129,065	1,003,540
5/11/2008	0	69,163	0	69,163	99,033	20,260	119,293	168,196	20,260	188,456	950,686
5/12/2008	0	38,934	0	38,934	84,076	0	84,076	123,010	0	123,010	932,104
5/13/2008	0	38,644	0	38,644	81,744	0	81,744	120,388	0	120,388	915,361
5/14/2008	0.01	40,785	0	40,785	85,036	0	85,036	125,821	0	125,821	905,672
5/15/2008	0.17	86,122	0	86,122	111,484	1,167	112,651	197,606	1,167	198,773	1,041,310
5/16/2008	0	41,943	0	41,943	62,930	0	62,930	104,873	0	104,873	910,598
5/17/2008	0.22	132,899	130,320	263,219	103,651	229,868	333,519	236,550	360,188	596,738	1,588,350
5/18/2008	0.1	167,127	141,934	309,061	128,400	324,109	452,509	295,527	466,043	761,570	1,691,560
5/19/2008	0.01	57,650	0	57,650	61,733	0	61,733	119,383	0	119,383	1,240,060
5/20/2008	0	36,759	0	36,759	44,236	0	44,236	80,995	0	80,995	944,499
5/21/2008	0.01	46,717	0	46,717	54,066	0	54,066	100,783	0	100,783	916,562
5/22/2008	0.19	235,057	179,636	414,693	179,855	353,252	533,107	414,912	532,888	947,800	1,945,790
5/23/2008	0	52,648	0	52,648	60,499	0	60,499	113,147	0	113,147	1,316,740
5/24/2008	0	39,203	0	39,203	46,193	0	46,193	85,396	0	85,396	925,343
5/25/2008	0	36,389	0	36,389	42,726	0	42,726	79,115	0	79,115	871,294
5/26/2008	0	36,032	0	36,032	42,215	0	42,215	78,247	0	78,247	850,321
5/27/2008	0.1	96,220	116,842	213,062	76,153	0	76,153	172,373	116,842	289,215	1,464,680
5/28/2008	0	34,248	0	34,248	39,666	0	39,666	73,914	0	73,914	903,818
5/29/2008	0	32,700	0	32,700	37,553	0	37,553	70,253	0	70,253	870,483
5/30/2008	0	37,837	0	37,837	36,781	0	36,781	74,618	0	74,618	893,973
5/31/2008	0.04	72,960	0	72,960	57,266	0	57,266	130,226	0	130,226	969,061
6/1/2008	0	33,777	0	33,777	89,146	0	89,146	122,923	0	122,923	889,551
6/2/2008	0	38,018	0	38,018	78,241	0	78,241	116,259	0	116,259	840,414
6/3/2008	0	36,470	0	36,470	37,708	0	37,708	74,178	0	74,178	860,782
6/4/2008	0	34,073	0	34,073	42,344	0	42,344	76,417	0	76,417	860,472
6/5/2008	0	37,776	0	37,776	37,608	0	37,608	75,384	0	75,384	894,365
6/6/2008	0.72	232,048	955,479	1,187,527	196,986	928,441	1,125,427	429,034	1,883,920	2,312,954	7,086,250
6/7/2008	0	52,554	0	52,554	55,463	0	55,463	108,017	0	108,017	1,014,180
6/8/2008	0.2	161,142	352,276	513,418	112,461	0	112,461	273,603	352,276	625,879	1,579,110
6/9/2008	0	61,090	0	61,090	70,369	0	70,369	131,459	0	131,459	938,469
6/10/2008	0.52	209,844	650,706	860,550	168,246	525,005	693,251	378,090	1,175,711	1,553,801	3,736,220
6/11/2008	0	77,410	0	77,410	98,420	0	98,420	175,830	0	175,830	1,362,030
6/12/2008	0	42,670	0	42,670	49,556	0	49,556	92,226	0	92,226	754,065
6/13/2008	0	45,848	0	45,848	42,523	0	42,523	88,371	0	88,371	804,499
6/14/2008	0	42,738	0	42,738	40,388	0	40,388	83,126	0	83,126	831,092
6/15/2008	0.13	98,934	194,387	293,321	75,206	134,849	210,055	174,140	329,236	503,376	1,258,140
6/16/2008	0.22	208,329	290,223	498,552	158,058	268,725	426,783	366,387	558,948	925,335	2,905,600
6/17/2008	0	63,083	0	63,083	65,821	0	65,821	128,904	0	128,904	1,045,330
6/18/2008	0.06	111,880	92,800	204,680	85,846	97,833	183,679	197,726	190,633	388,359	1,042,120
6/19/2008	0	47,215	0	47,215	47,961	0	47,961	95,176	0	95,176	713,841

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
6/20/2008	0.07	117,226	67,042	184,268	87,965	56,581	144,546	205,191	123,623	328,814	1,009,490
6/21/2008	0.23	111,914	286,992	398,906	92,031	305,423	397,454	203,945	592,415	796,360	1,497,580
6/22/2008	0.01	79,349	0	79,349	79,254	0	79,254	158,603	0	158,603	976,834
6/23/2008	0.18	166,009	282,151	448,160	124,116	206,962	331,078	290,125	489,113	779,238	2,154,530
6/24/2008	0	76,892	0	76,892	70,629	0	70,629	147,521	0	147,521	1,482,140
6/25/2008	0	52,399	0	52,399	49,201	0	49,201	101,600	0	101,600	906,815
6/26/2008	0.11	126,840	146,128	272,968	99,213	142,217	241,430	226,053	288,345	514,398	1,497,890
6/27/2008	0	51,719	0	51,719	41,224	0	41,224	92,943	0	92,943	923,652
6/28/2008	0.02	80,810	18,178	98,988	50,765	0	50,765	131,575	18,178	149,753	1,109,130
6/29/2008	0.3	117,219	336,166	453,385	93,315	338,935	432,250	210,534	675,101	885,635	2,587,130
6/30/2008	0.08	132,481	97,944	230,425	111,943	69,743	181,686	244,424	167,686	412,110	1,785,540
7/1/2008	0	62,928	0	62,928	61,545	0	61,545	124,473	0	124,473	1,200,560
7/2/2008	0	53,550	0	53,550	38,755	0	38,755	92,305	0	92,305	898,403
7/3/2008	0.29	173,327	429,565	602,892	135,011	462,085	597,096	308,338	891,650	1,199,988	3,033,120
7/4/2008	0	56,593	0	56,593	54,156	0	54,156	110,749	0	110,749	1,455,700
7/5/2008	0	44,885	0	44,885	40,624	0	40,624	85,509	0	85,509	1,185,310
7/6/2008	0	38,288	0	38,288	36,346	0	36,346	74,634	0	74,634	1,137,560
7/7/2008	0	49,625	0	49,625	35,085	0	35,085	84,710	0	84,710	1,127,630
7/8/2008	0	51,167	0	51,167	35,534	0	35,534	86,701	0	86,701	1,116,940
7/9/2008	0	49,006	0	49,006	34,835	0	34,835	83,841	0	83,841	1,197,690
7/10/2008	0	48,164	0	48,164	32,831	0	32,831	80,995	0	80,995	1,032,170
7/11/2008	0.06	88,842	26,115	114,957	65,695	112,420	178,115	154,537	138,535	293,072	1,172,150
7/12/2008	0	41,486	0	41,486	75,936	17,615	93,551	117,422	17,615	135,037	1,015,650
7/13/2008	0.73	216,482	615,381	831,863	171,315	824,923	996,238	387,797	1,440,304	1,828,101	6,433,740
7/14/2008	0	72,159	0	72,159	78,506	0	78,506	150,665	0	150,665	1,700,420
7/15/2008	0	55,280	0	55,280	48,768	0	48,768	104,048	0	104,048	1,125,670
7/16/2008	0	49,948	0	49,948	42,560	0	42,560	92,508	0	92,508	1,047,420
7/17/2008	0	55,900	0	55,900	39,143	0	39,143	95,043	0	95,043	1,028,240
7/18/2008	0	52,156	0	52,156	35,600	0	35,600	87,756	0	87,756	1,018,120
7/19/2008	0	45,188	0	45,188	31,278	0	31,278	76,466	0	76,466	1,007,380
7/20/2008	0.68	214,914	978,813	1,193,727	172,411	1,126,380	1,298,791	387,325	2,105,193	2,492,518	6,239,980
7/21/2008	0.03	105,491	17,700	123,191	105,474	703	106,177	210,965	18,403	229,368	1,843,440
7/22/2008	0.16	104,111	108,824	212,935	94,549	151,620	246,169	198,660	260,444	459,104	1,699,180
7/23/2008	0.02	101,633	27,139	128,772	72,463	0	72,463	174,096	27,139	201,235	1,807,080
7/24/2008	0.95	229,395	1,318,610	1,548,005	220,051	985,273	1,205,324	449,446	2,303,883	2,753,329	8,929,630
7/25/2008	0	109,685	0	109,685	152,355	0	152,355	262,040	0	262,040	2,686,510
7/26/2008	0.03	91,366	0	91,366	81,710	0	81,710	173,076	0	173,076	1,218,310
7/27/2008	0	49,268	0	49,268	56,984	0	56,984	106,252	0	106,252	1,061,050
7/28/2008	0.03	67,796	0	67,796	56,493	0	56,493	124,289	0	124,289	1,006,150
7/29/2008	0	51,490	0	51,490	40,613	0	40,613	92,103	0	92,103	906,542
7/30/2008	0	50,904	0	50,904	36,471	0	36,471	87,375	0	87,375	863,969
7/31/2008	0.02	60,067	0	60,067	36,780	0	36,780	96,847	0	96,847	854,088
8/1/2008	0	49,329	0	49,329	33,571	0	33,571	82,900	0	82,900	842,590
8/2/2008	0.42	230,863	581,066	811,929	175,244	0	175,244	406,107	581,066	987,173	2,384,820

Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
8/3/2008	0.19	175,435	290,048	465,483	156,886	0	156,886	332,321	290,048	622,369	2,525,860
8/4/2008	0	56,223	0	56,223	52,279	0	52,279	108,502	0	108,502	992,545
8/5/2008	0.01	55,469	0	55,469	44,786	0	44,786	100,255	0	100,255	859,357
8/6/2008	0.03	78,756	0	78,756	55,478	0	55,478	134,234	0	134,234	930,932
8/7/2008	0.59	293,152	978,517	1,271,669	196,386	0	196,386	489,538	978,517	1,468,055	5,527,940
8/8/2008	0.26	267,972	337,566	605,538	228,351	0	228,351	496,323	337,566	833,889	3,847,520
8/9/2008	0.07	176,579	85,119	261,698	154,471	0	154,471	331,050	85,119	416,169	2,940,080
8/10/2008	0.22	218,011	273,978	491,989	164,034	0	164,034	382,045	273,978	656,023	3,124,550
8/11/2008	0.26	255,571	359,689	615,260	201,109	0	201,109	456,680	359,689	816,369	4,692,350
8/12/2008	0.01	80,036	0	80,036	79,373	0	79,373	159,409	0	159,409	1,662,270
8/13/2008	0.27	150,100	295,091	445,191	102,115	0	102,115	252,215	295,091	547,306	2,708,020
8/14/2008	0	70,765	0	70,765	52,793	0	52,793	123,558	0	123,558	1,588,320
8/15/2008	0	60,040	0	60,040	37,796	0	37,796	97,836	0	97,836	1,059,280
8/16/2008	0.02	57,064	0	57,064	38,024	0	38,024	95,088	0	95,088	960,109
8/17/2008	0	49,389	0	49,389	30,151	0	30,151	79,540	0	79,540	889,336
8/18/2008	0	52,156	0	52,156	28,574	0	28,574	80,730	0	80,730	862,394
8/19/2008	0.33	189,162	460,319	649,481	145,454	0	145,454	334,616	460,319	794,935	3,422,630
8/20/2008	0	46,838	0	46,838	36,058	0	36,058	82,896	0	82,896	1,016,260
8/21/2008	0	49,363	0	49,363	28,868	0	28,868	78,231	0	78,231	885,004
8/22/2008	0	49,901	0	49,901	26,075	0	26,075	75,976	0	75,976	866,145
8/23/2008	0	45,714	0	45,714	24,403	0	24,403	70,117	0	70,117	839,495
8/24/2008	0	46,367	0	46,367	25,018	0	25,018	71,385	0	71,385	813,513
8/25/2008	0	48,252	0	48,252	23,460	0	23,460	71,712	0	71,712	803,532
8/26/2008	0	38,941	0	38,941	21,293	0	21,293	60,234	0	60,234	759,039
8/27/2008	0	41,135	0	41,135	20,259	0	20,259	61,394	0	61,394	759,090
8/28/2008	0	35,675	0	35,675	18,786	0	18,786	54,461	0	54,461	761,027
8/29/2008	0.2	146,815	183,850	330,665	103,968	0	103,968	250,783	183,850	434,633	1,637,240
8/30/2008	0.17	142,823	222,171	364,994	96,794	1,273,680	1,370,474	239,617	1,495,851	1,735,468	1,816,990
8/31/2008	0	90,262	0	90,262	41,580	0	41,580	131,842	0	131,842	870,548
9/1/2008	0	40,691	0	40,691	24,676	0	24,676	65,367	0	65,367	778,789
9/2/2008	0	46,481	0	46,481	22,655	0	22,655	69,136	0	69,136	763,096
9/3/2008	0	47,902	0	47,902	24,346	0	24,346	72,248	0	72,248	757,897
9/4/2008	0	45,781	0	45,781	21,951	0	21,951	67,732	0	67,732	759,749
9/5/2008	0	43,936	0	43,936	20,011	0	20,011	63,947	0	63,947	742,523
9/6/2008	0	49,740	0	49,740	25,474	0	25,474	75,214	0	75,214	776,895
9/7/2008	0	38,449	0	38,449	21,769	0	21,769	60,218	0	60,218	757,043
9/8/2008	0	43,546	0	43,546	19,881	0	19,881	63,427	0	63,427	715,610
9/9/2008	0.29	209,238	337,936	547,174	133,134	0	133,134	342,372	337,936	680,308	2,165,990
9/10/2008	0	45,370	0	45,370	30,385	0	30,385	75,755	0	75,755	818,193
9/11/2008	0	38,894	0	38,894	23,985	0	23,985	62,879	0	62,879	767,946
9/12/2008	0.55	302,523	712,941	1,015,464	196,159	0	196,159	498,682	712,941	1,211,623	4,420,490
9/13/2008	0	64,517	0	64,517	72,973	0	72,973	137,490	0	137,490	1,493,500
9/14/2008	0.36	213,083	486,360	699,443	155,009	0	155,009	368,092	486,360	854,452	4,197,330
9/15/2008	0	50,756	0	50,756	47,123	0	47,123	97,879	0	97,879	1,030,950

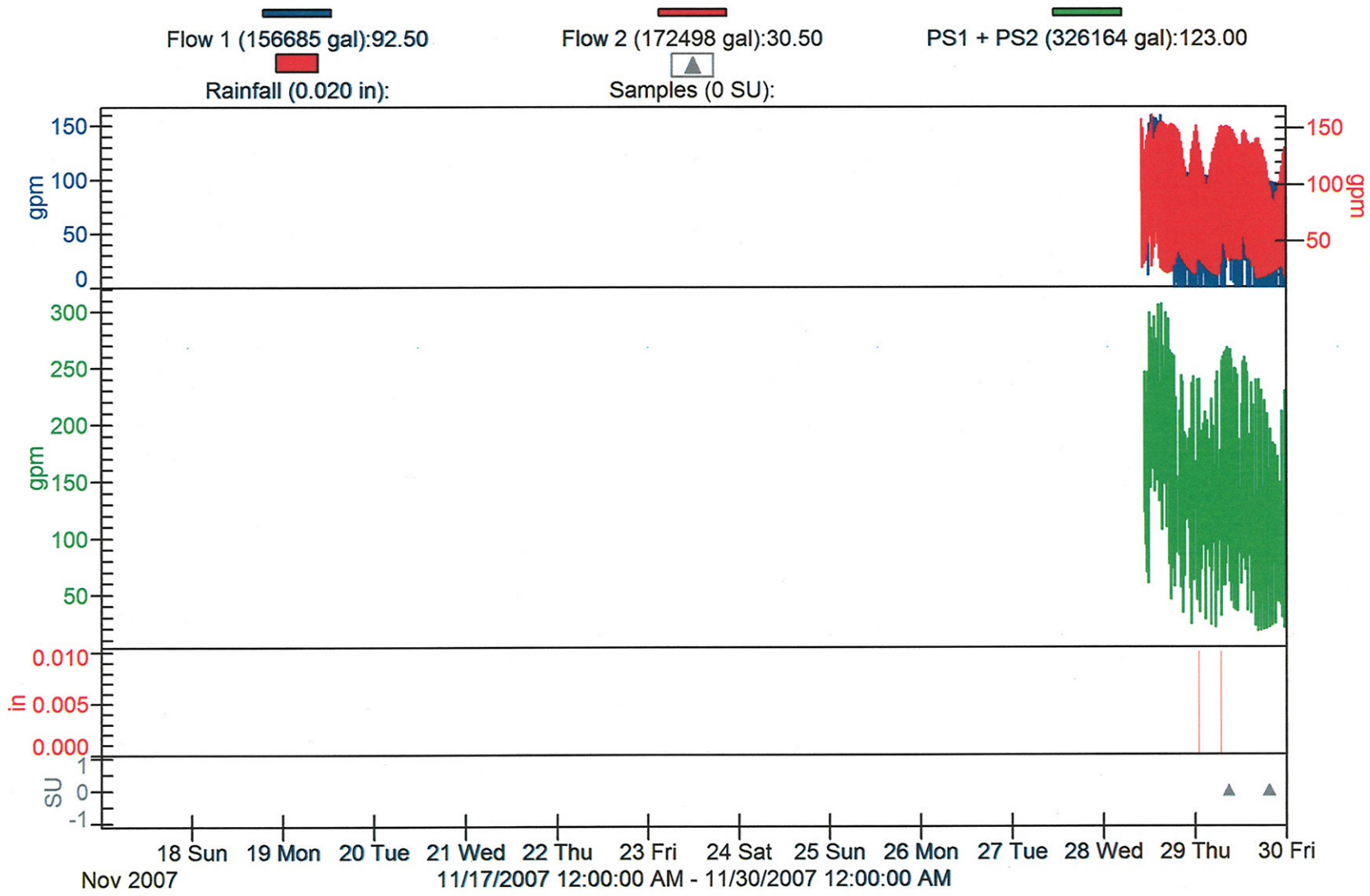
Summary of Flow Data
(All Flows in Gallons)

		Flow at 001			Flow at 002			Total Pumped	Total	Total	Upstream Creek
Date	Rainfall	Pumped	Overflow	Total	Pumped	Overflow	Total	to 01A	Overflow	Discharged	Flow
Total	31.64	39,926,843	98,789,150	137,332,993	45,263,919	37,646,525	75,773,661	85,190,762	132,385,172	213,106,655	804,790,814
Average		122,751			134,324			257,075			2,568,936
Maximum	1.28	537,439	5,519,880	5,973,184	484,275	3,102,220	3,552,935	963,405	6,301,515	7,147,328	22,629,900
Minimum		32,700	0	32,700	16,536	0	16,536	53,719	0	53,719	-
9/16/2008	0	46,912	0	46,912	30,040	0	30,040	76,952	0	76,952	902,171
9/17/2008	0	43,216	0	43,216	27,179	0	27,179	70,395	0	70,395	862,223
9/18/2008	0	42,920	0	42,920	23,918	0	23,918	66,838	0	66,838	833,213
9/19/2008	0	37,810	0	37,810	21,396	0	21,396	59,206	0	59,206	818,246
9/20/2008	0	36,759	0	36,759	21,268	0	21,268	58,027	0	58,027	828,061
9/21/2008	0	35,931	0	35,931	20,864	0	20,864	56,795	0	56,795	827,711
9/22/2008	0	35,911	0	35,911	20,335	0	20,335	56,246	0	56,246	827,429
9/23/2008	0	37,183	0	37,183	16,536	0	16,536	53,719	0	53,719	835,398
9/24/2008	0	37,062	0	37,062	17,538	0	17,538	54,600	0	54,600	844,002
9/25/2008	0	36,066	0	36,066	18,123	0	18,123	54,189	0	54,189	841,859
9/26/2008	0.06	78,467	0	78,467	46,406	0	46,406	124,873	0	124,873	989,832
9/27/2008	0.5	228,823	534,740	763,563	169,906	97,964	267,870	398,729	632,704	1,031,433	4,092,400
9/28/2008	0	47,289	0	47,289	44,251	0	44,251	91,540	0	91,540	1,093,760
9/29/2008	0	42,765	0	42,765	31,230	0	31,230	73,995	0	73,995	907,709
9/30/2008	0.14	143,462	43,142	186,604	93,884	86,152	180,036	237,346	129,293	366,639	1,204,320
10/1/2008	0.17	244,514	260,661	505,175	410,400	325,194	735,594	654,914	585,855	1,240,769	3,192,260
10/2/2008	0.4	326,756	568,570	895,326	413,640	692,533	1,106,173	740,396	1,261,103	2,001,499	5,526,050
10/3/2008	0.05	140,636	50,110	190,746	401,040	71,750	472,790	541,676	121,860	663,536	2,201,770
10/4/2008	0	49,553	0	49,553	150,120		150,120	199,673	0	199,673	1,160,680
10/5/2008	0	44,036	0	44,036	118,080		118,080	162,116	0	162,116	952,291
10/6/2008	0.05	79,110	0	79,110	291,960		291,960	371,070	0	371,070	1,168,040
10/7/2008	0	40,460			121,680			162,140			937,899
10/8/2008	0.09	111,016			390,960			501,976			1,156,100
10/9/2008	0.01	67,650			233,280			300,930			1,404,190
10/10/2008	0	39,120			108,720			147,840			949,713
10/11/2008	0	16,120			92,520			108,640			928,726
10/12/2008	0	11,743			194,400			206,143			NM
10/13/2008	0	37,216			94,680			131,896			NM
10/14/2008	0	36,653			93,600			130,253			NM
10/15/2008	0	31,356			93,960			125,316			NM
10/16/2008	1.28	384,118			456,480			840,598			NM
10/17/2008	0	53,463			213,120			266,583			NM
10/18/2008	0	36,468			144,720			181,188			NM
10/19/2008	0	30,209			118,800			149,009			NM
10/20/2008	0	31,829			109,800			141,629			NM
10/21/2008	0.42	367,990			414,360			782,350			NM
10/22/2008	0.01	87,590			205,200			292,790			NM

Appendix B
Monthly Hydrographs for Outfall 01A
Monthly Hydrographs for PS-1/Outfall 001
Monthly Hydrographs for PS-2/Outfall 002

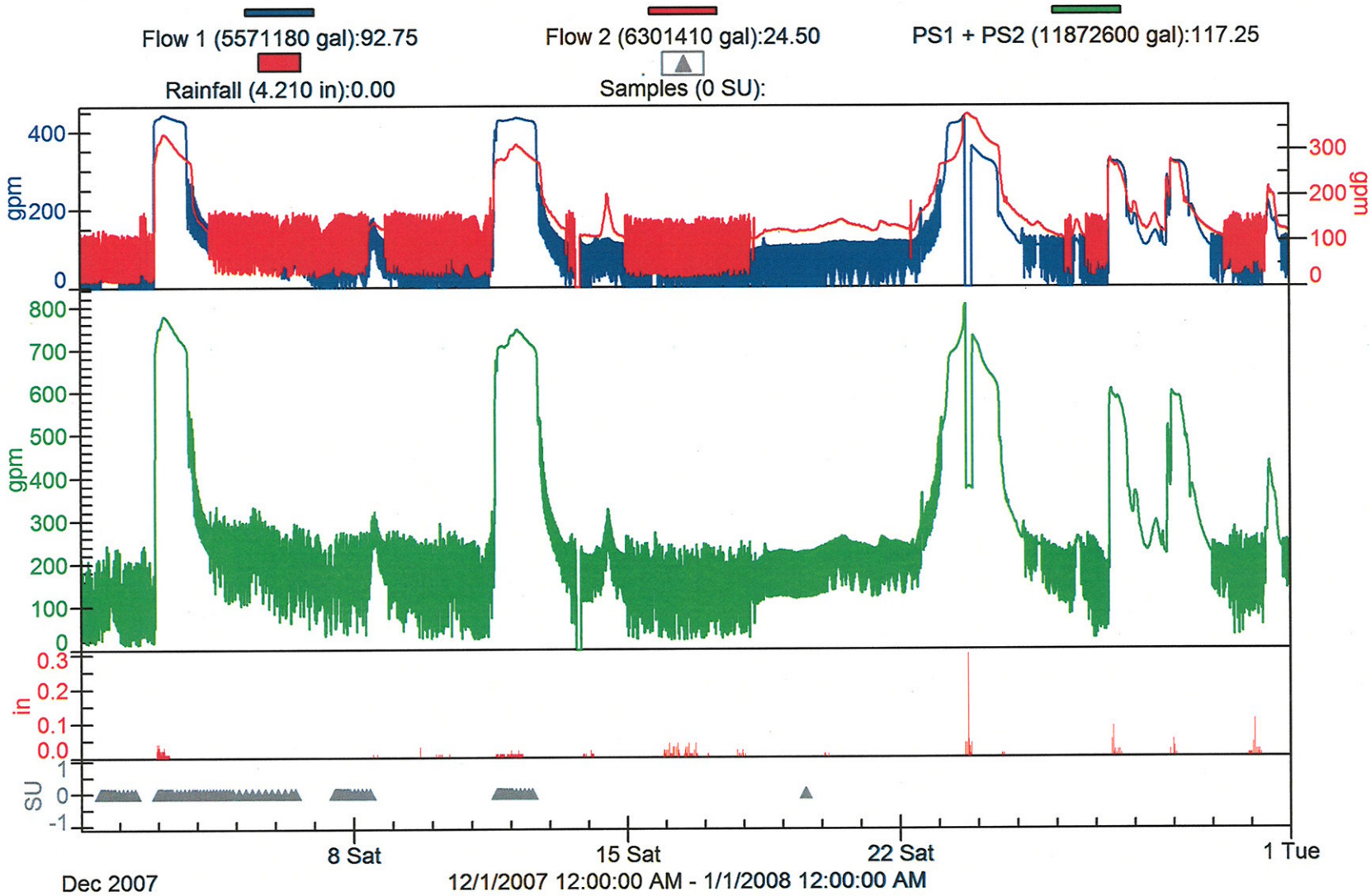
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



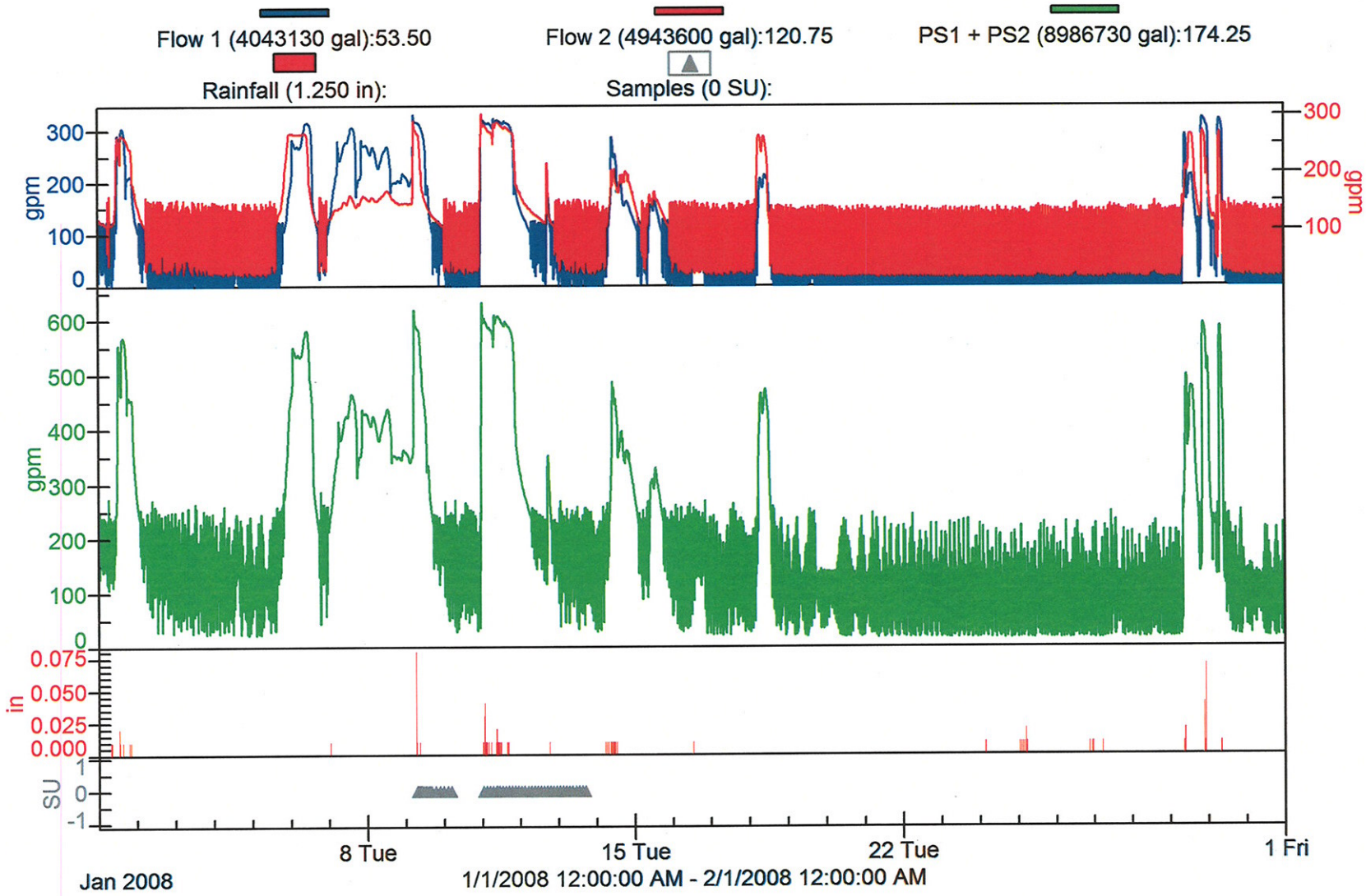
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



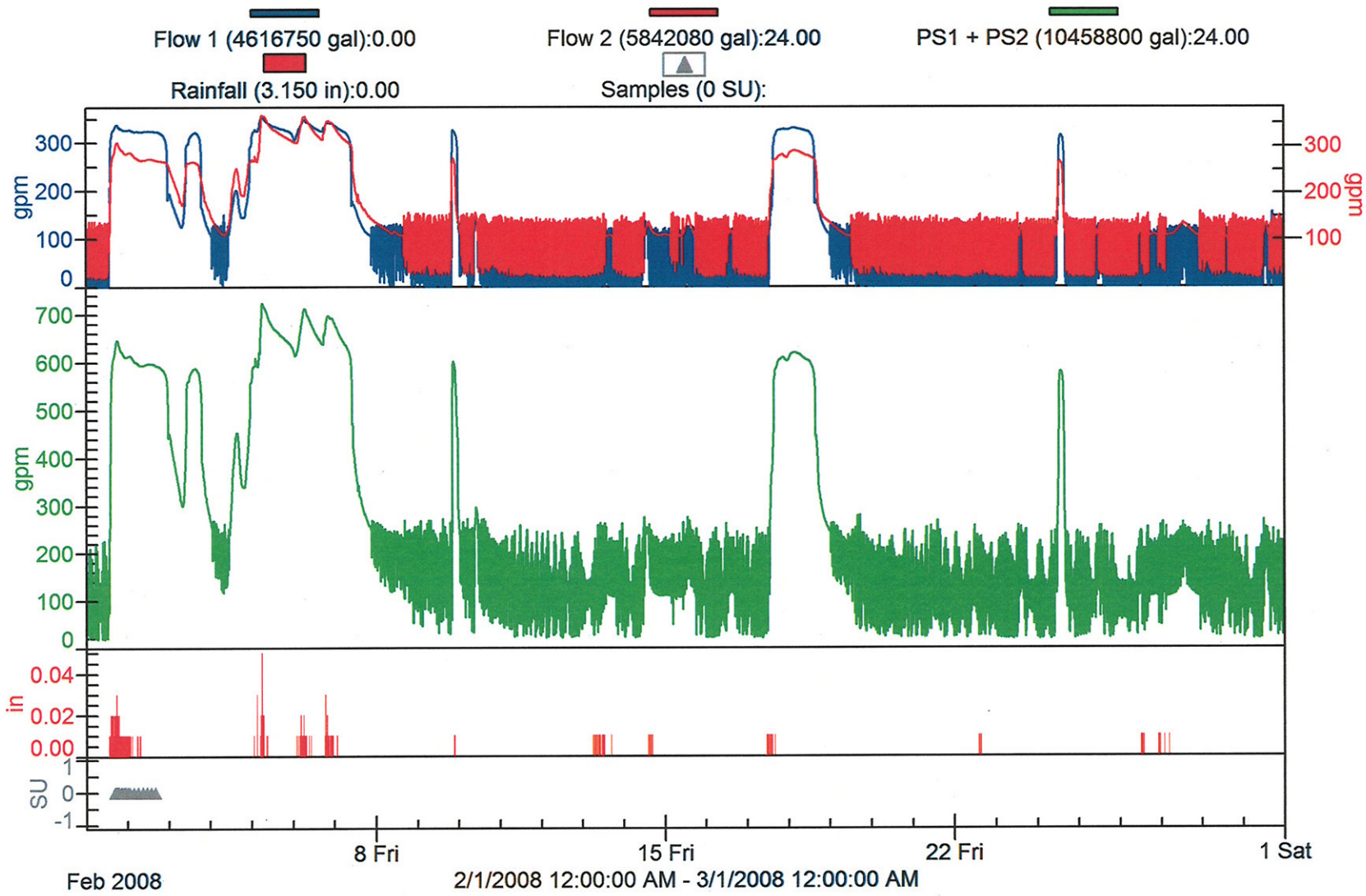
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



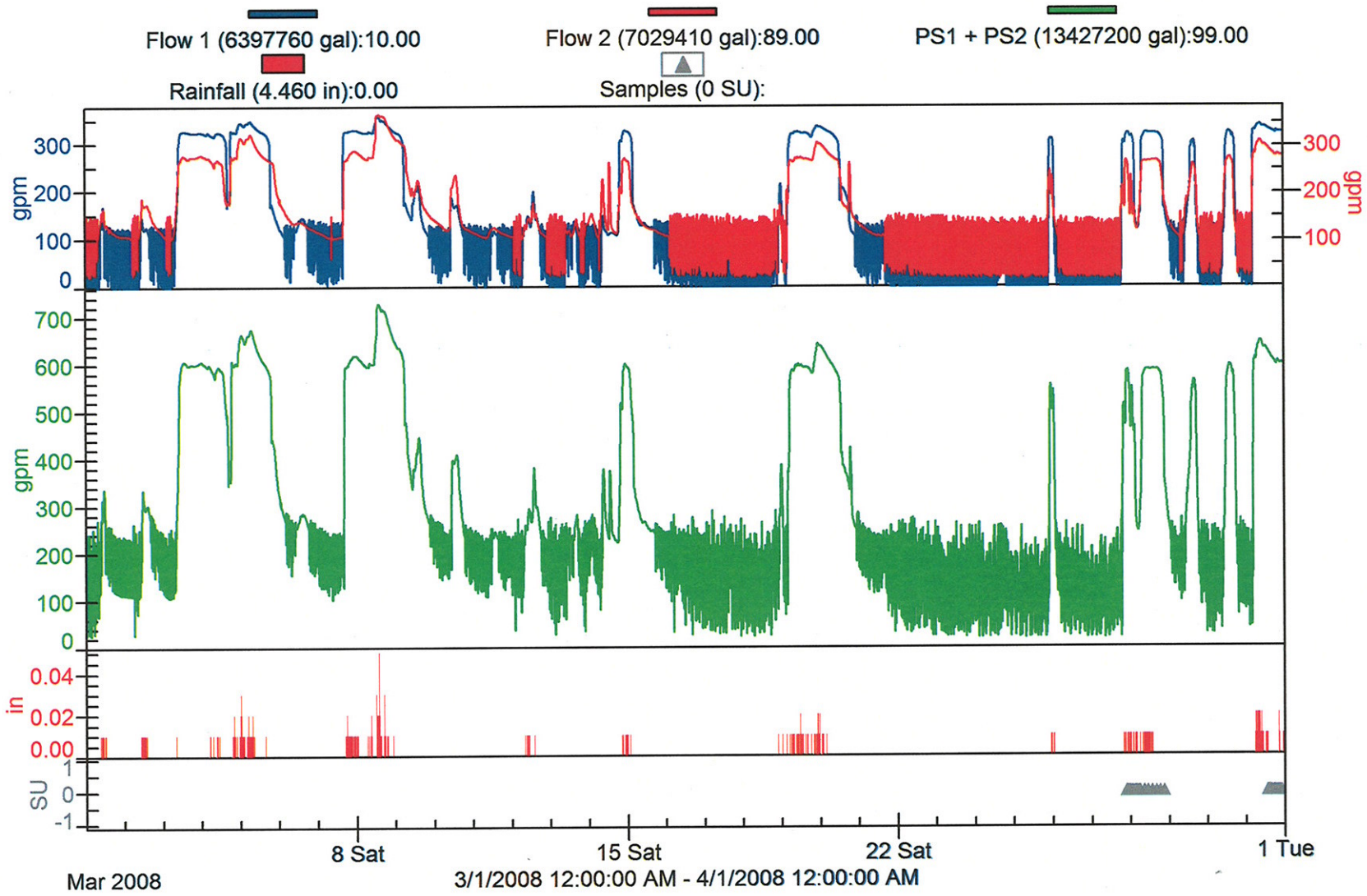
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



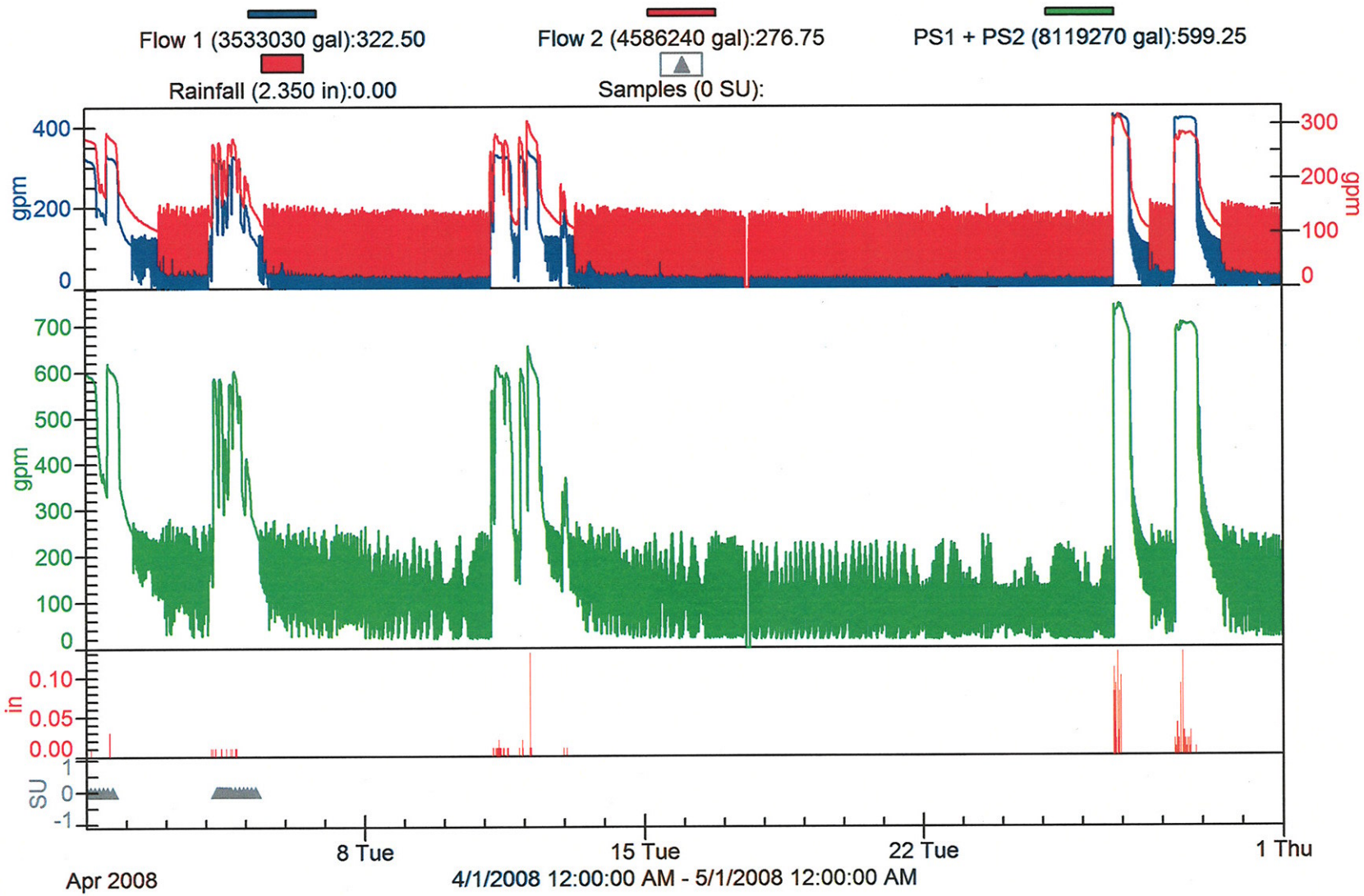
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



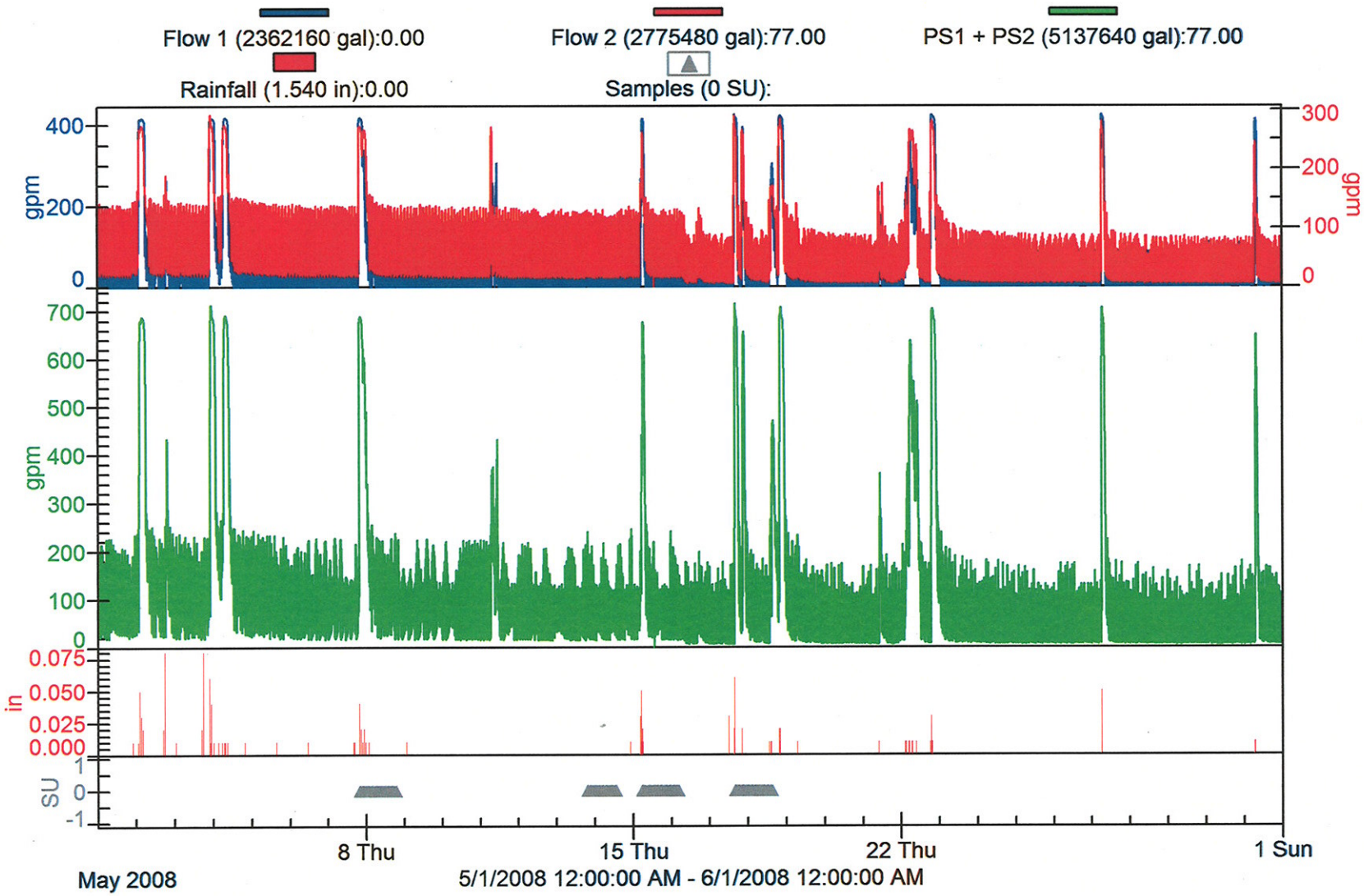
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



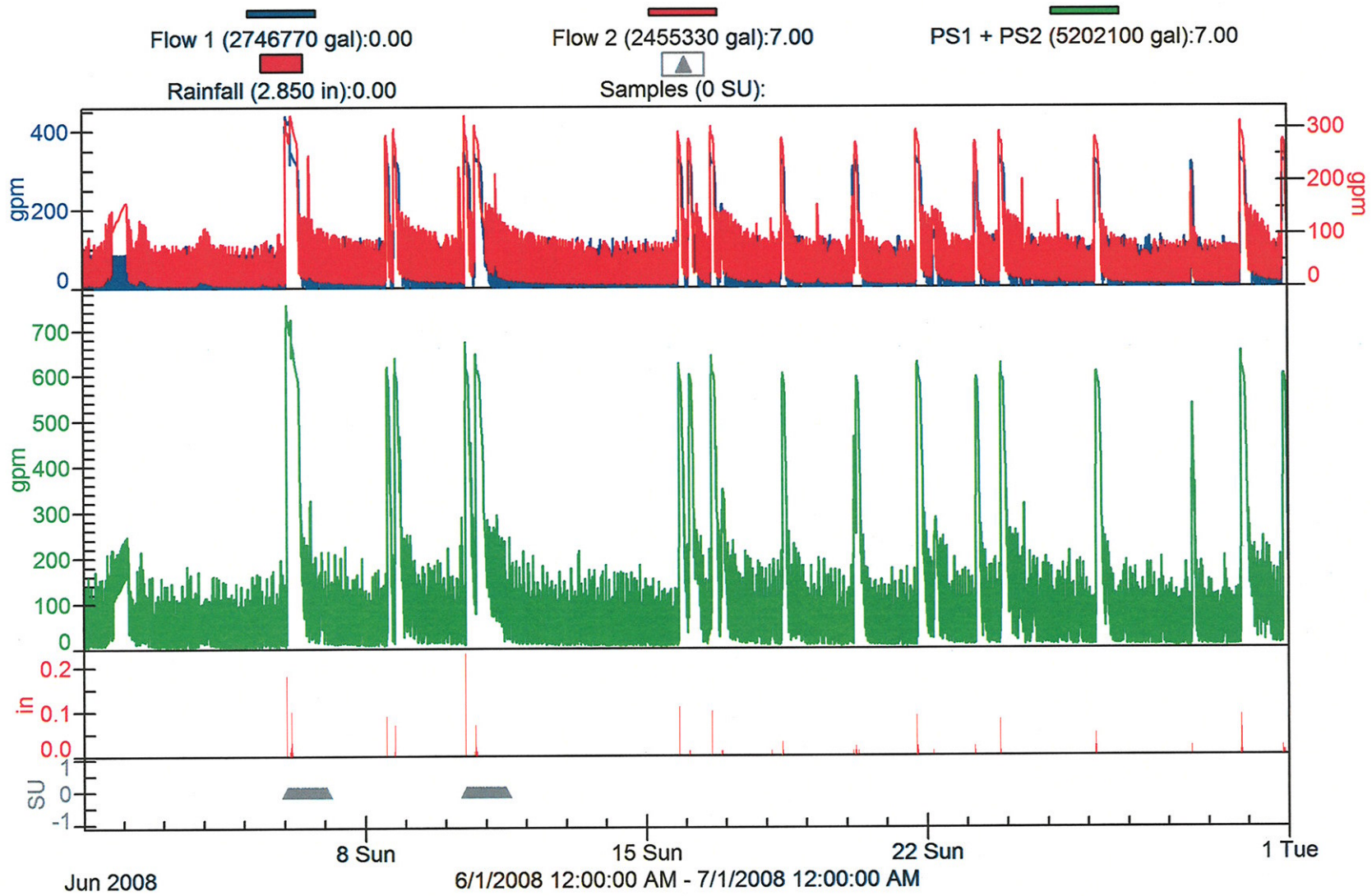
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



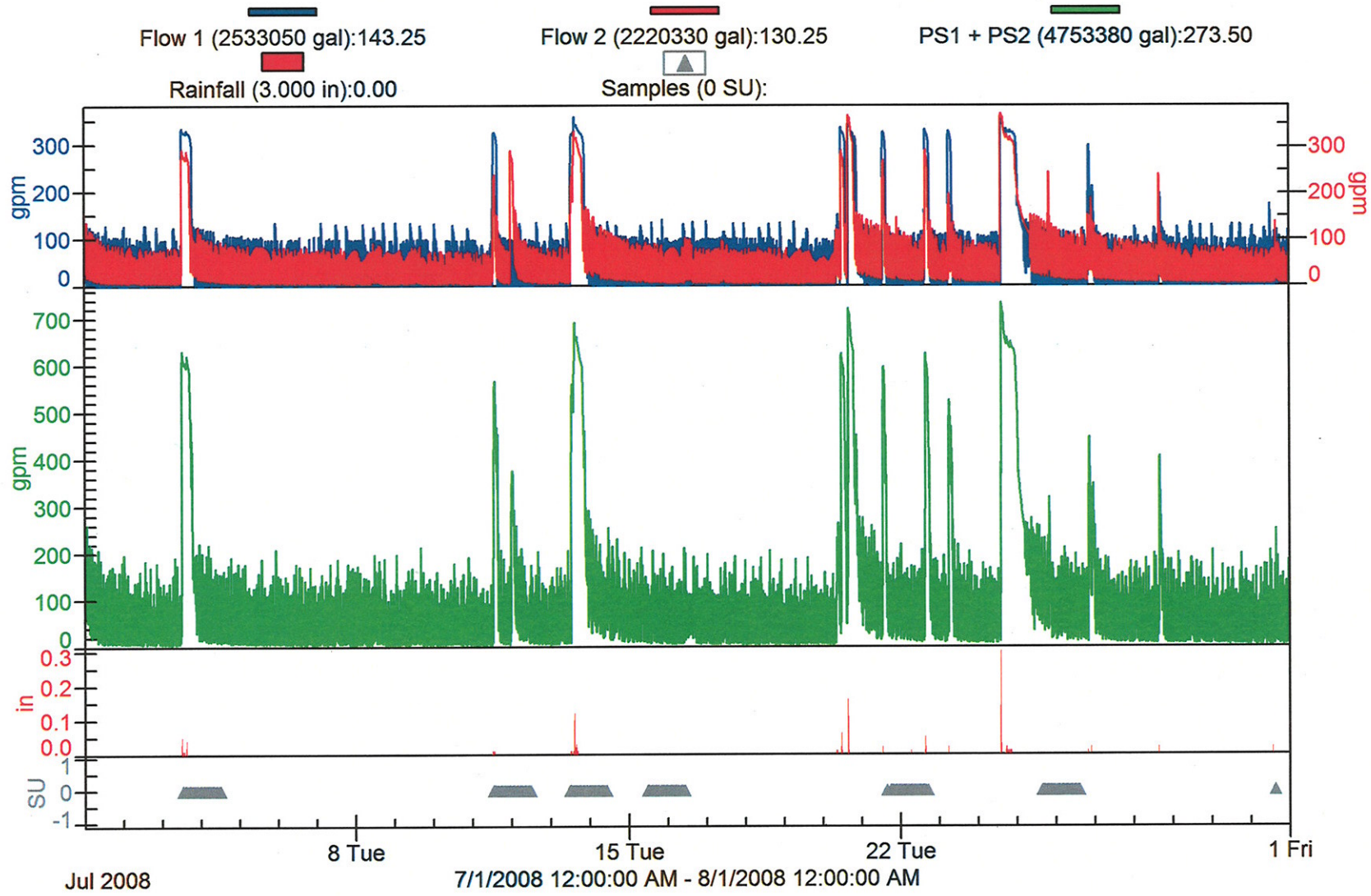
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



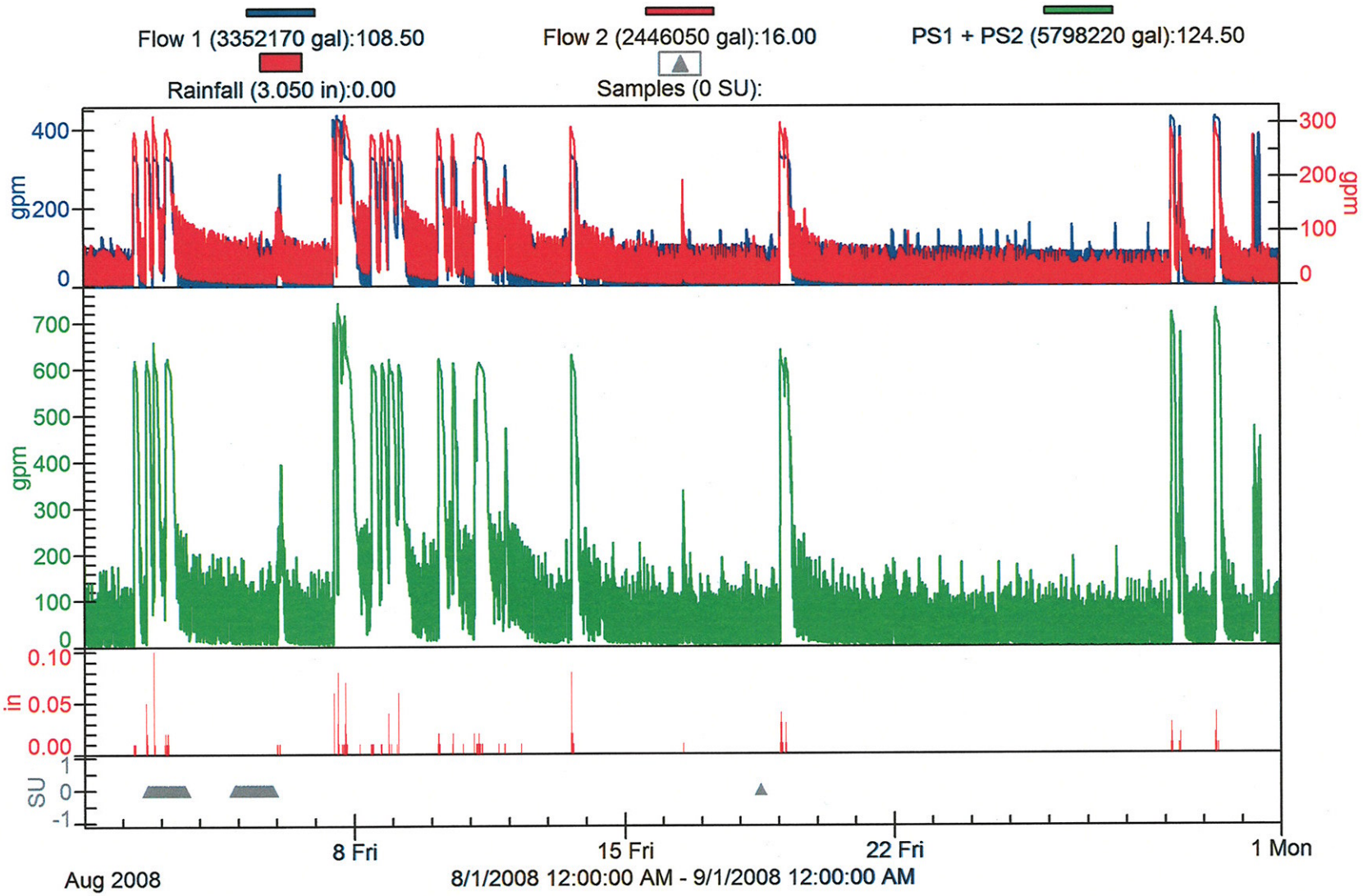
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



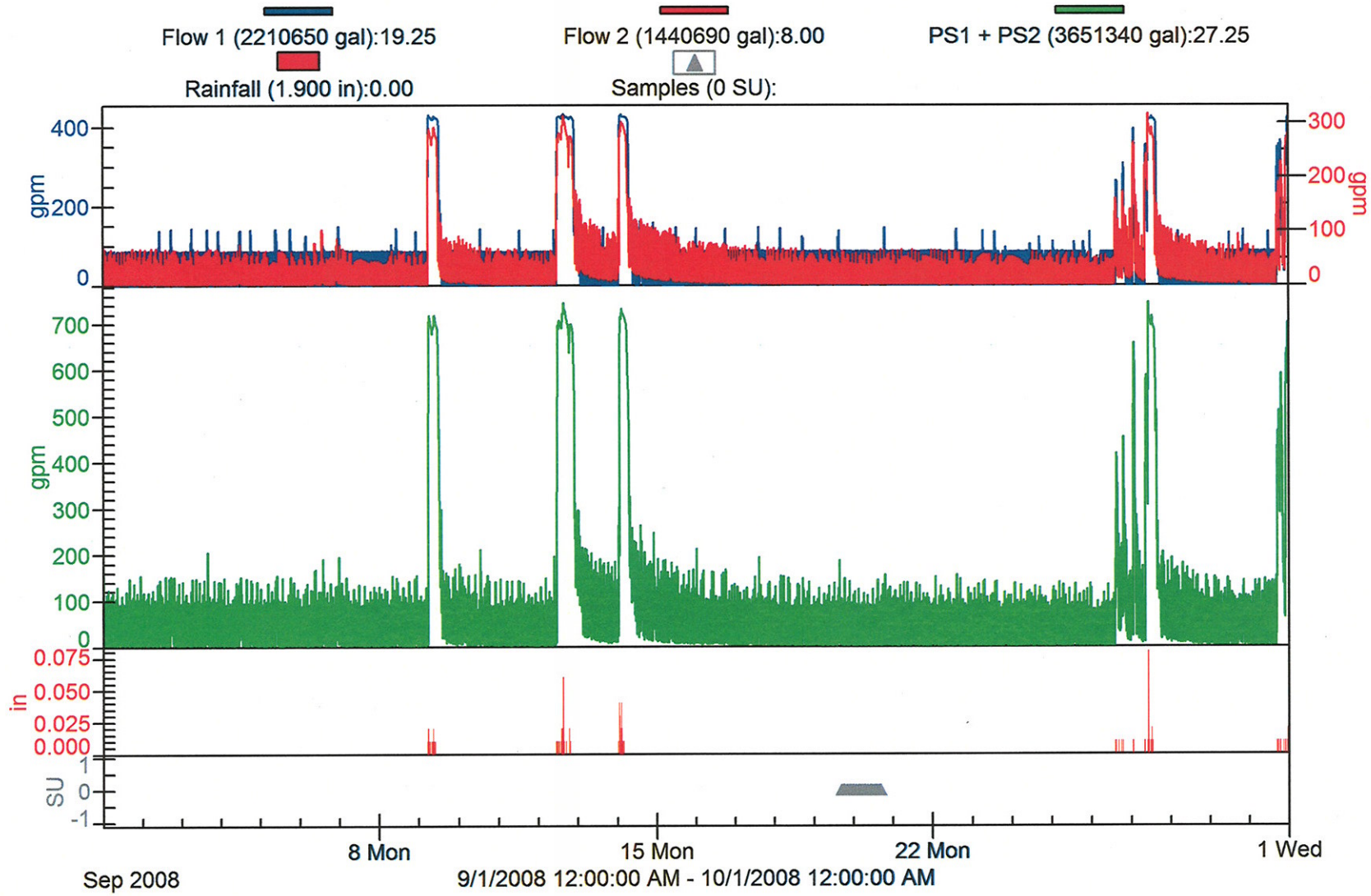
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



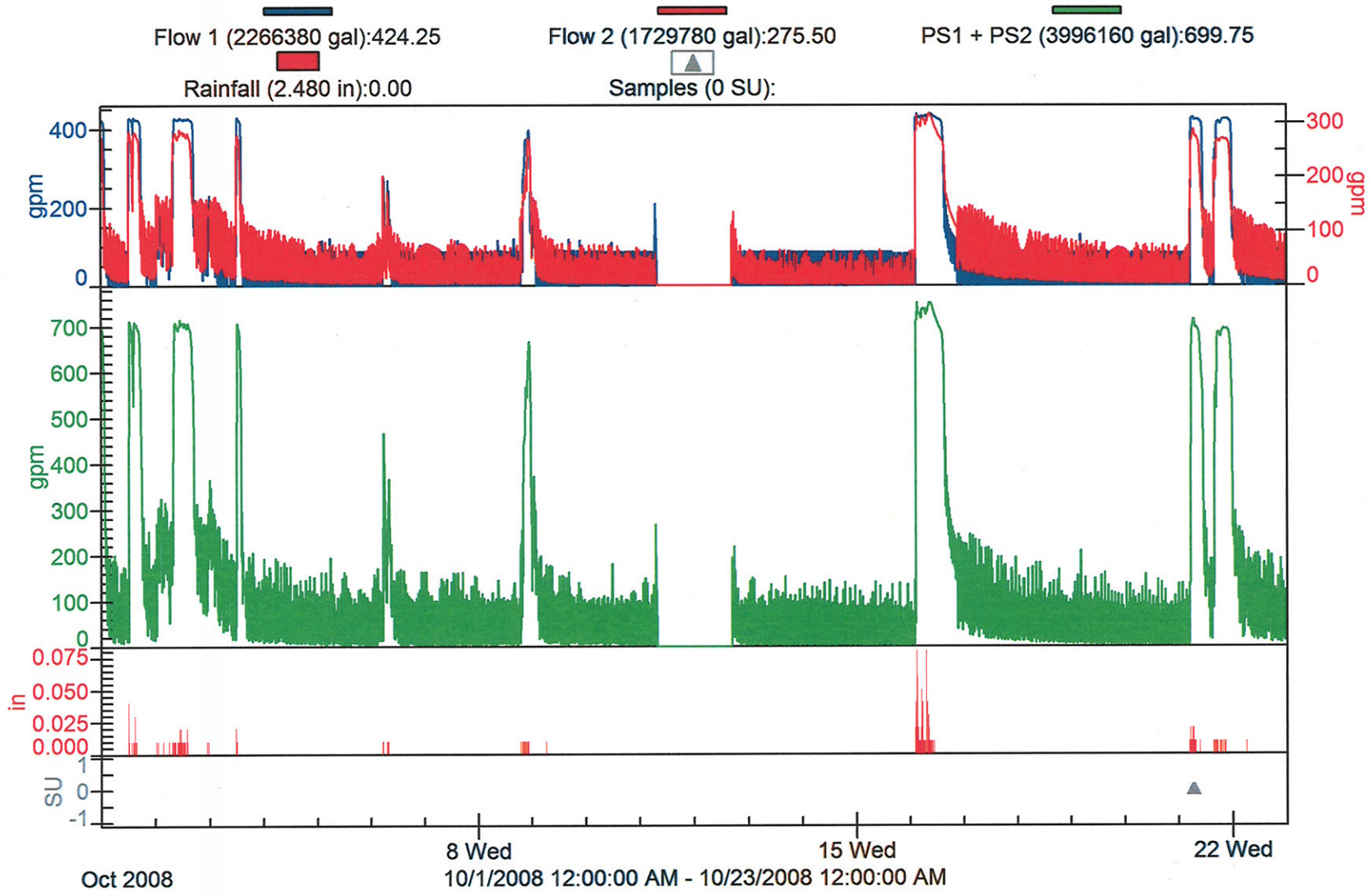
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



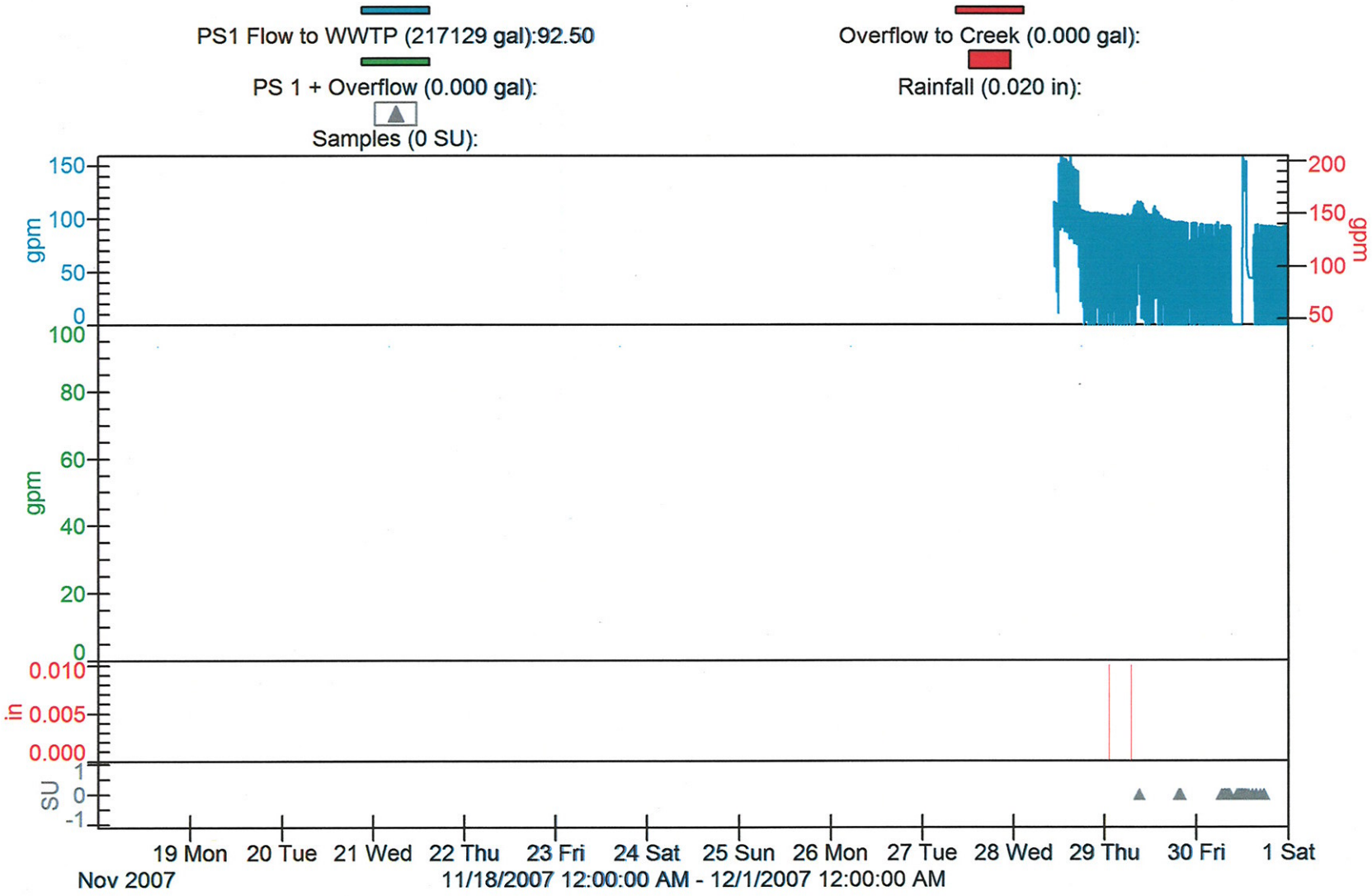
01A (Pipe Between WWTP Filters and 001 Overflow Pipe)

Flowlink 5



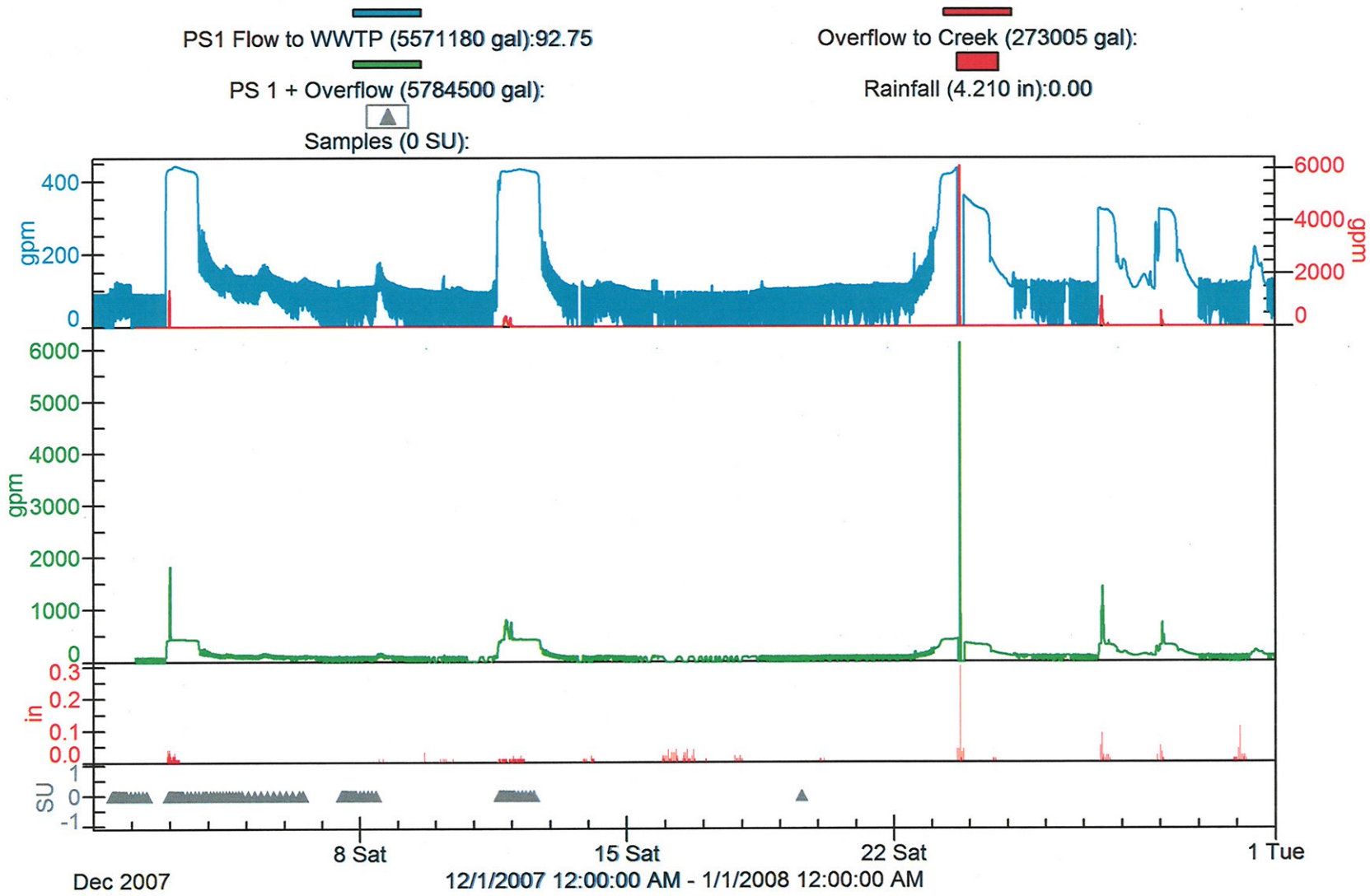
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



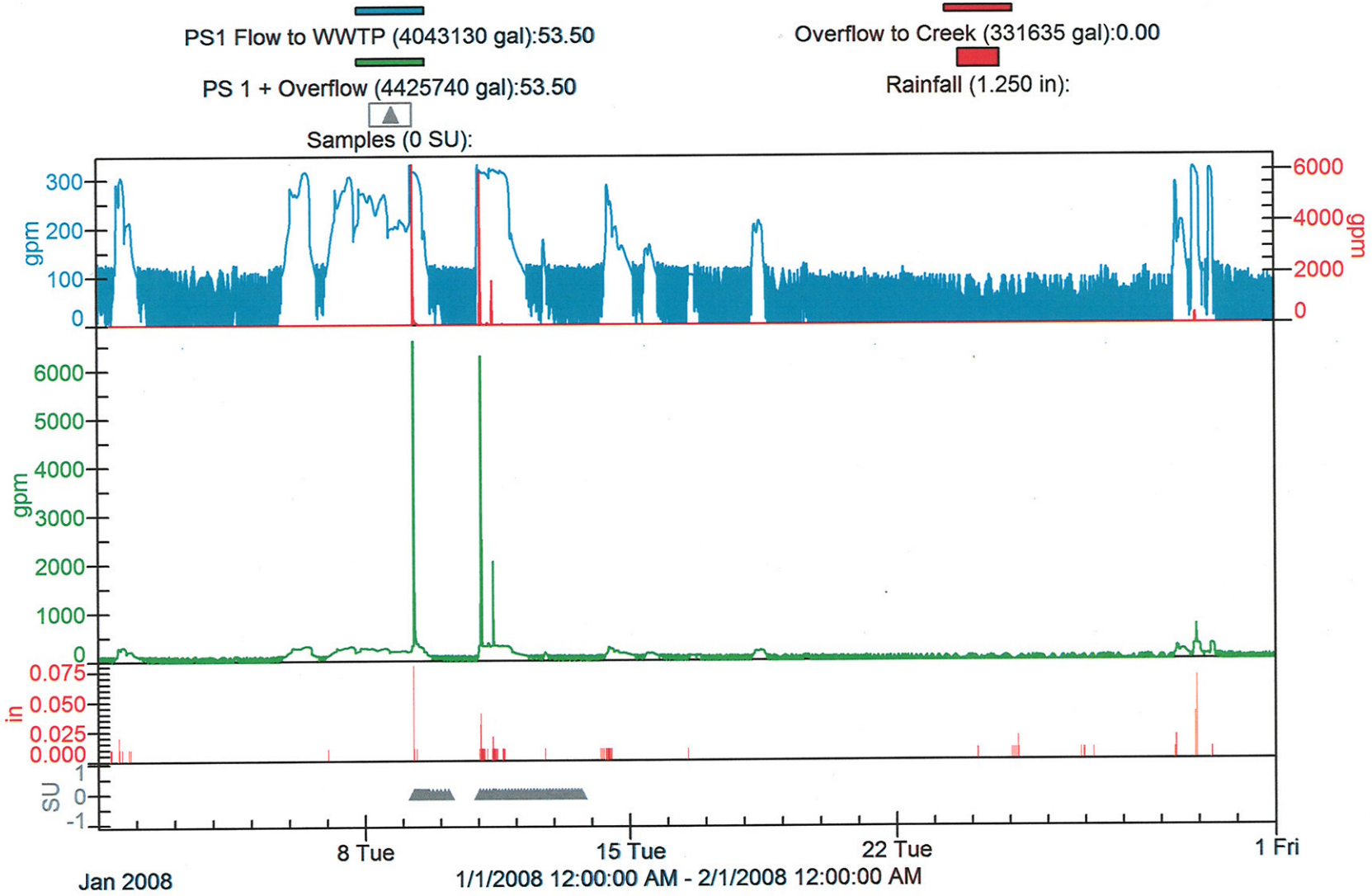
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



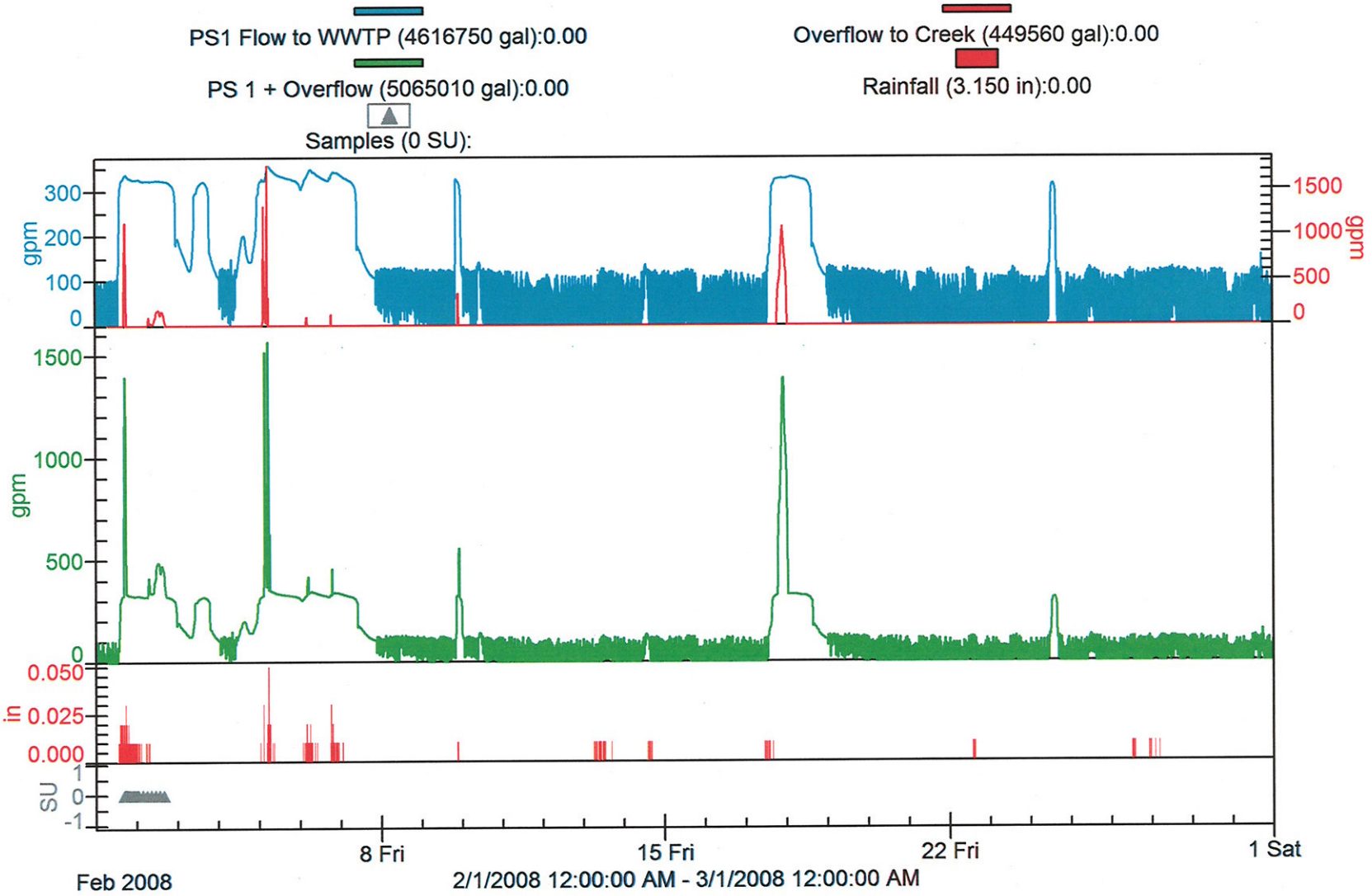
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



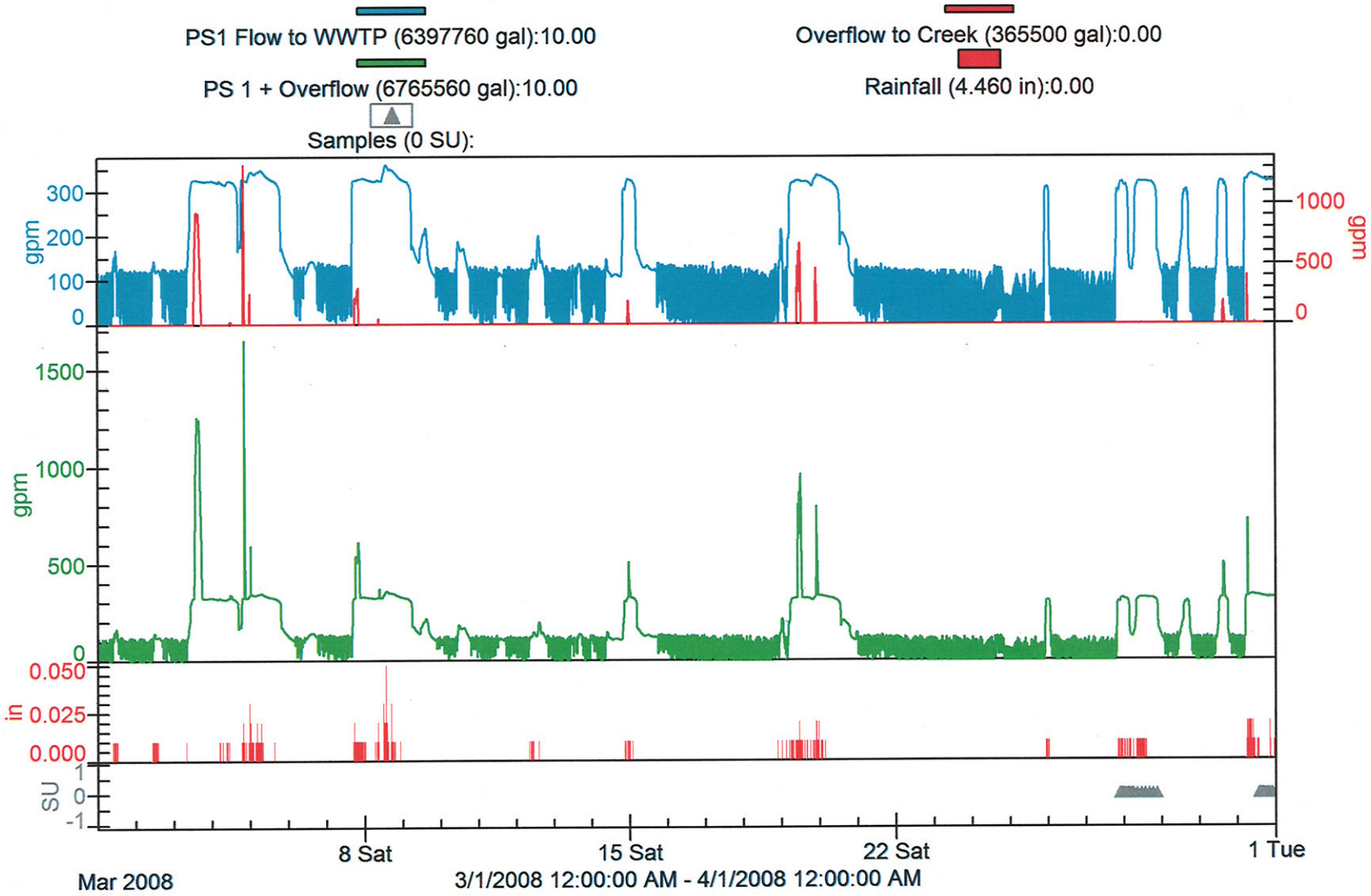
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



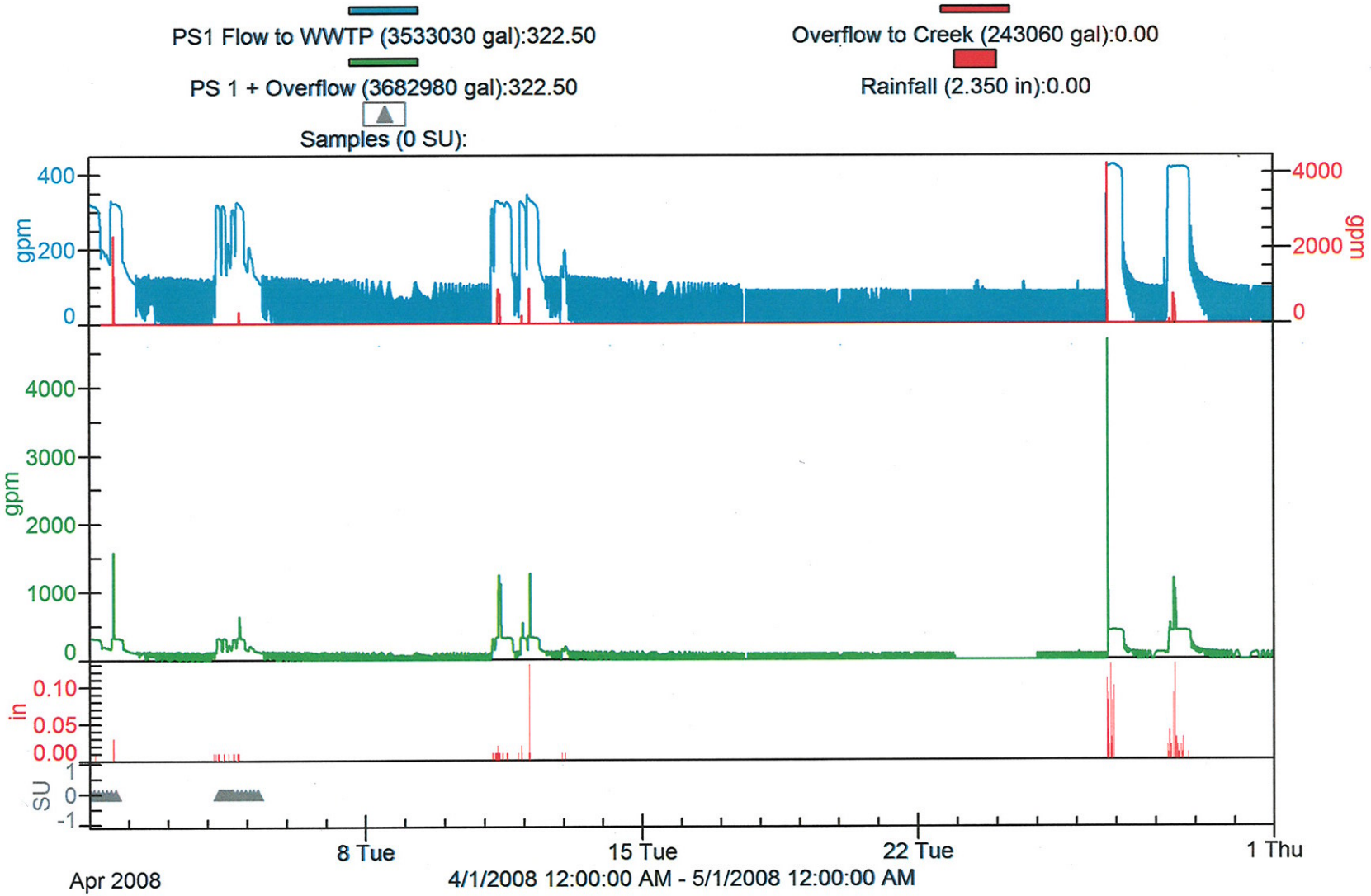
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



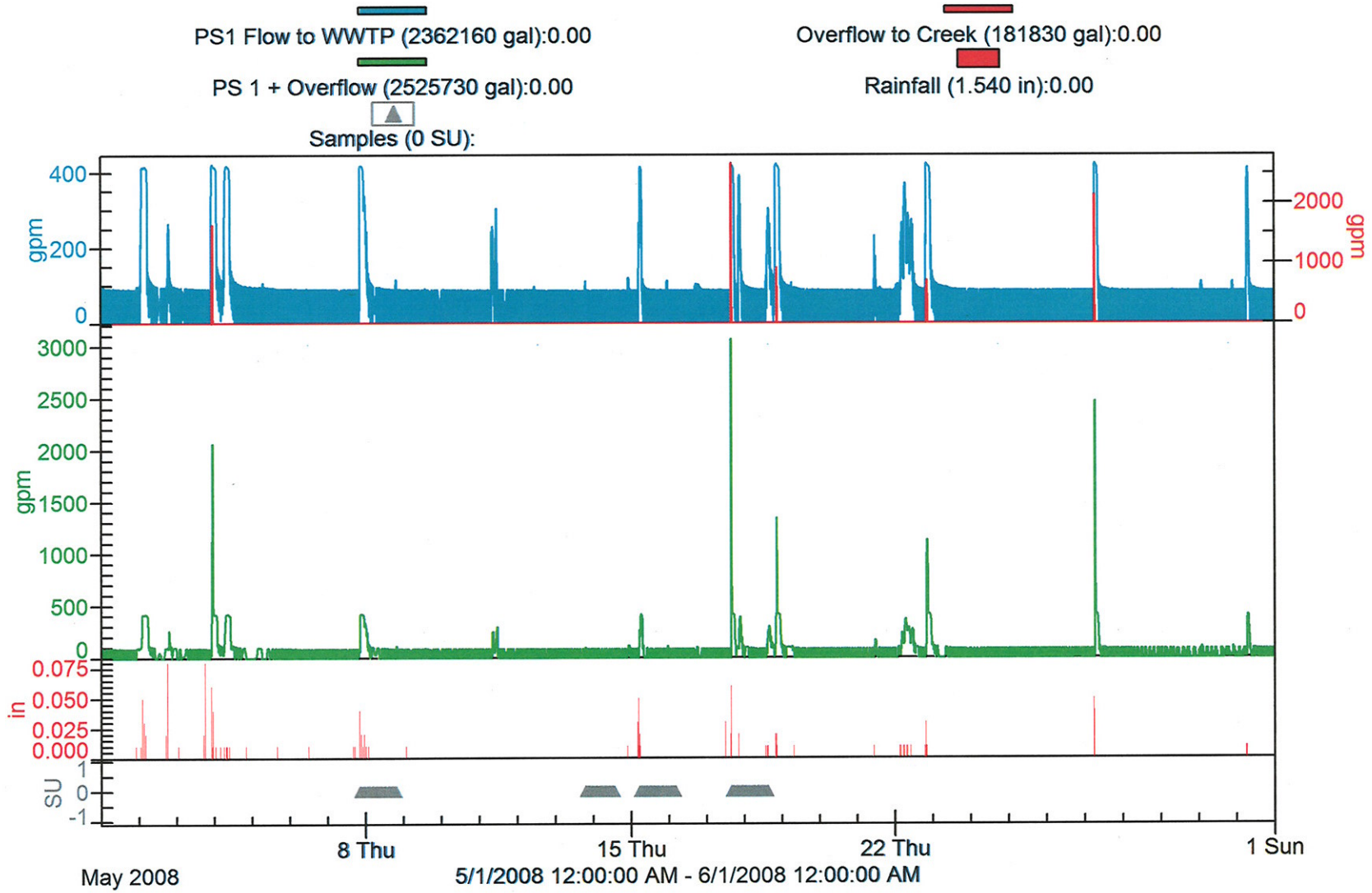
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



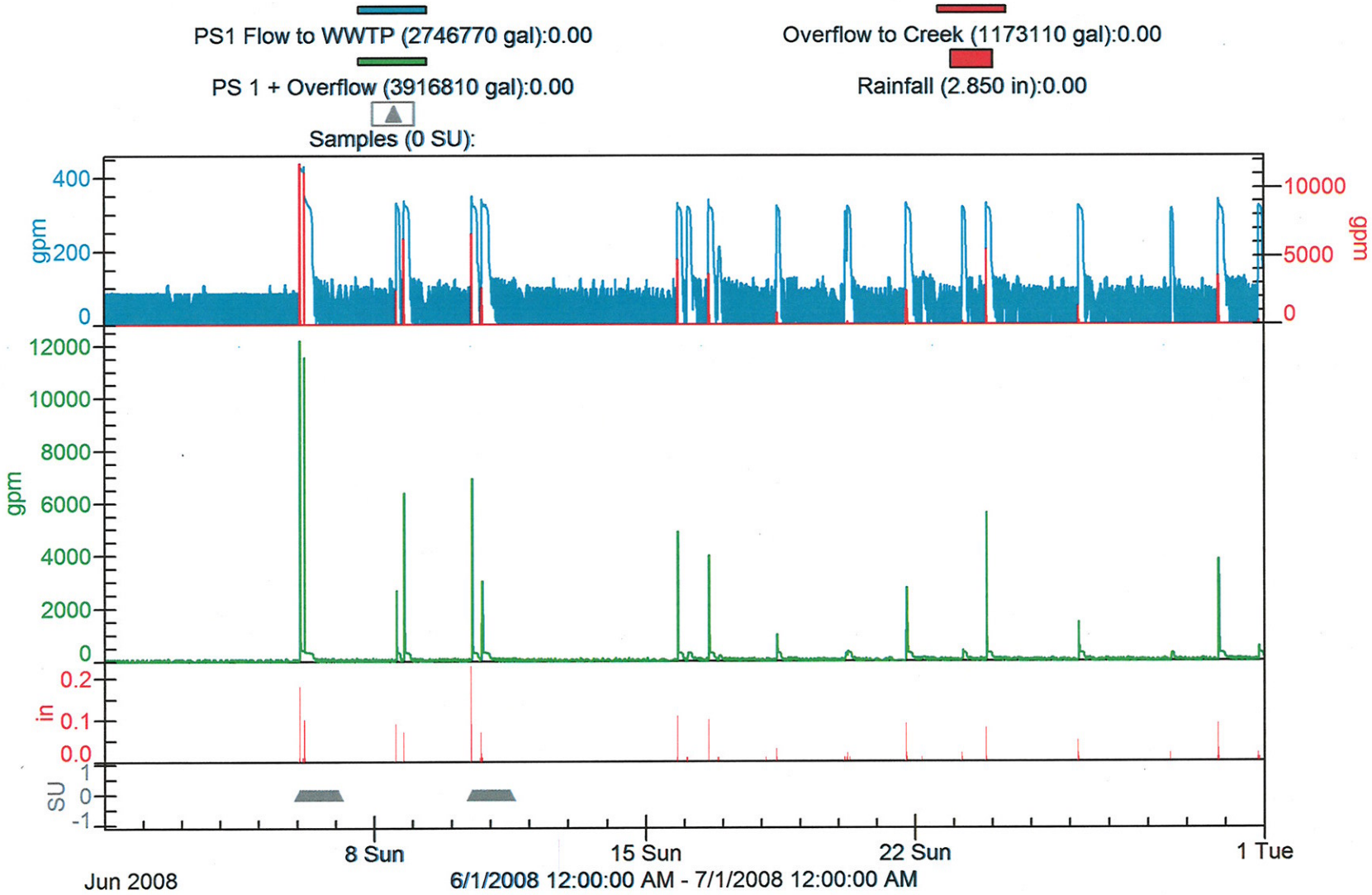
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



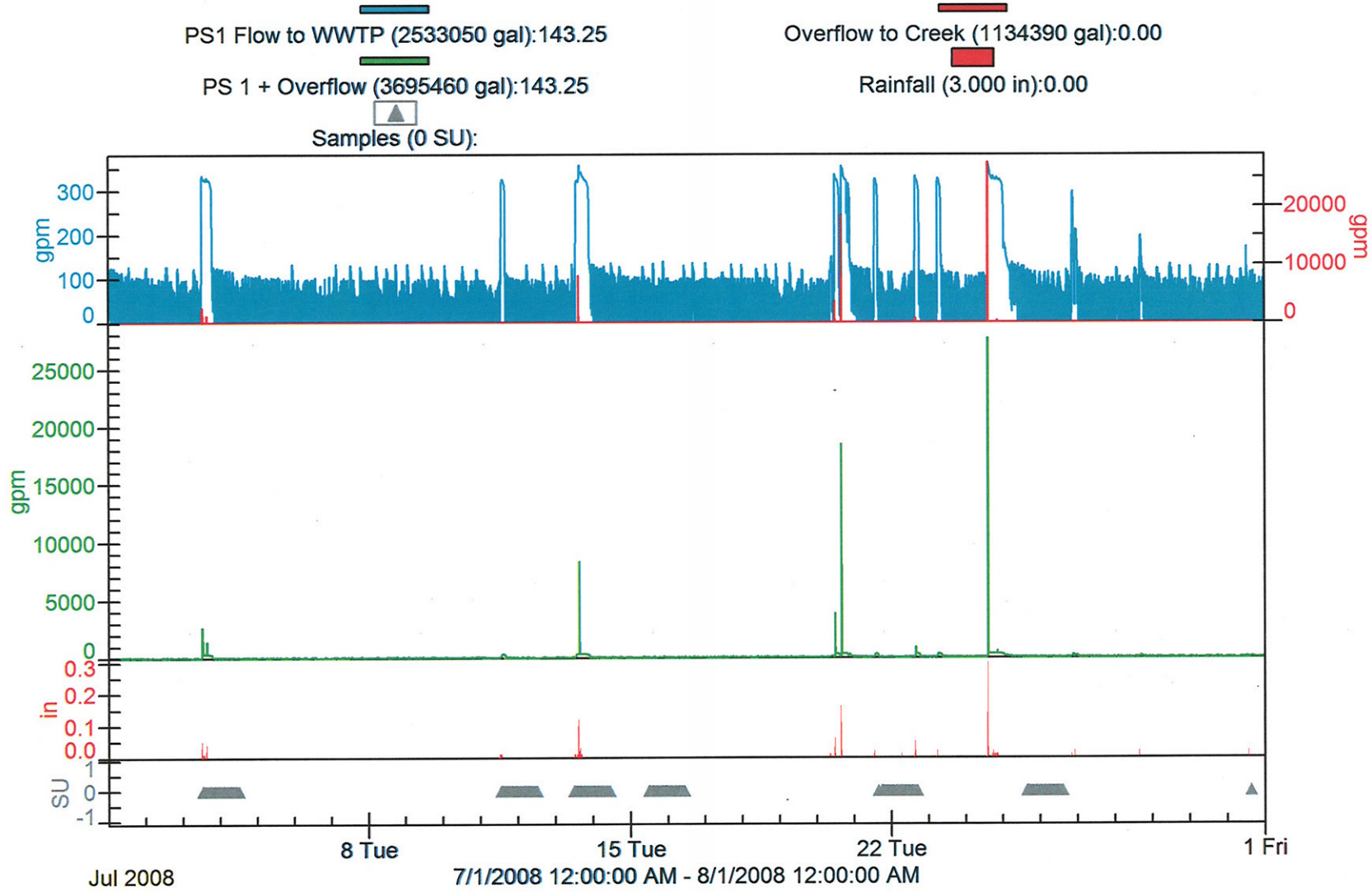
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



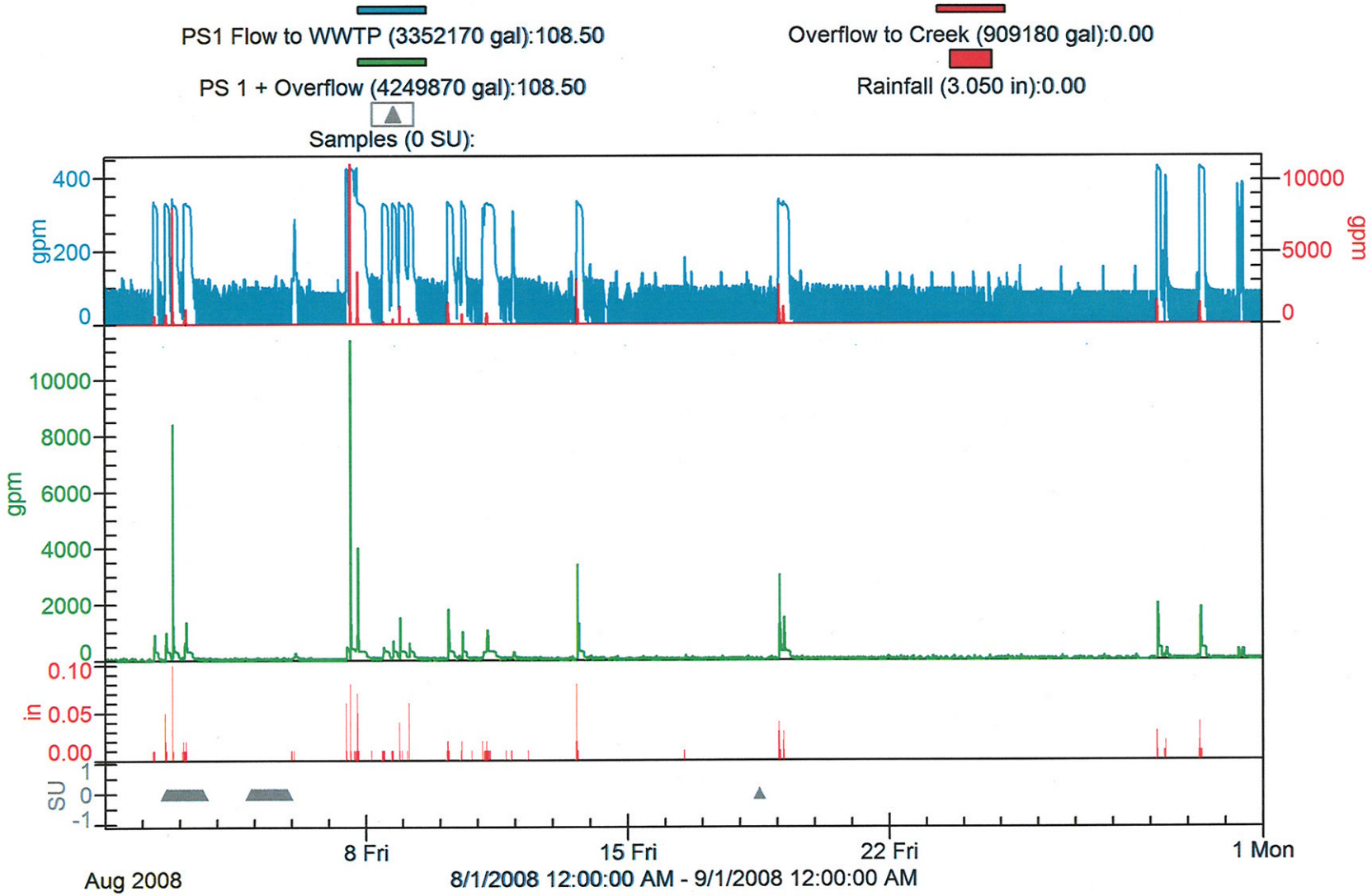
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



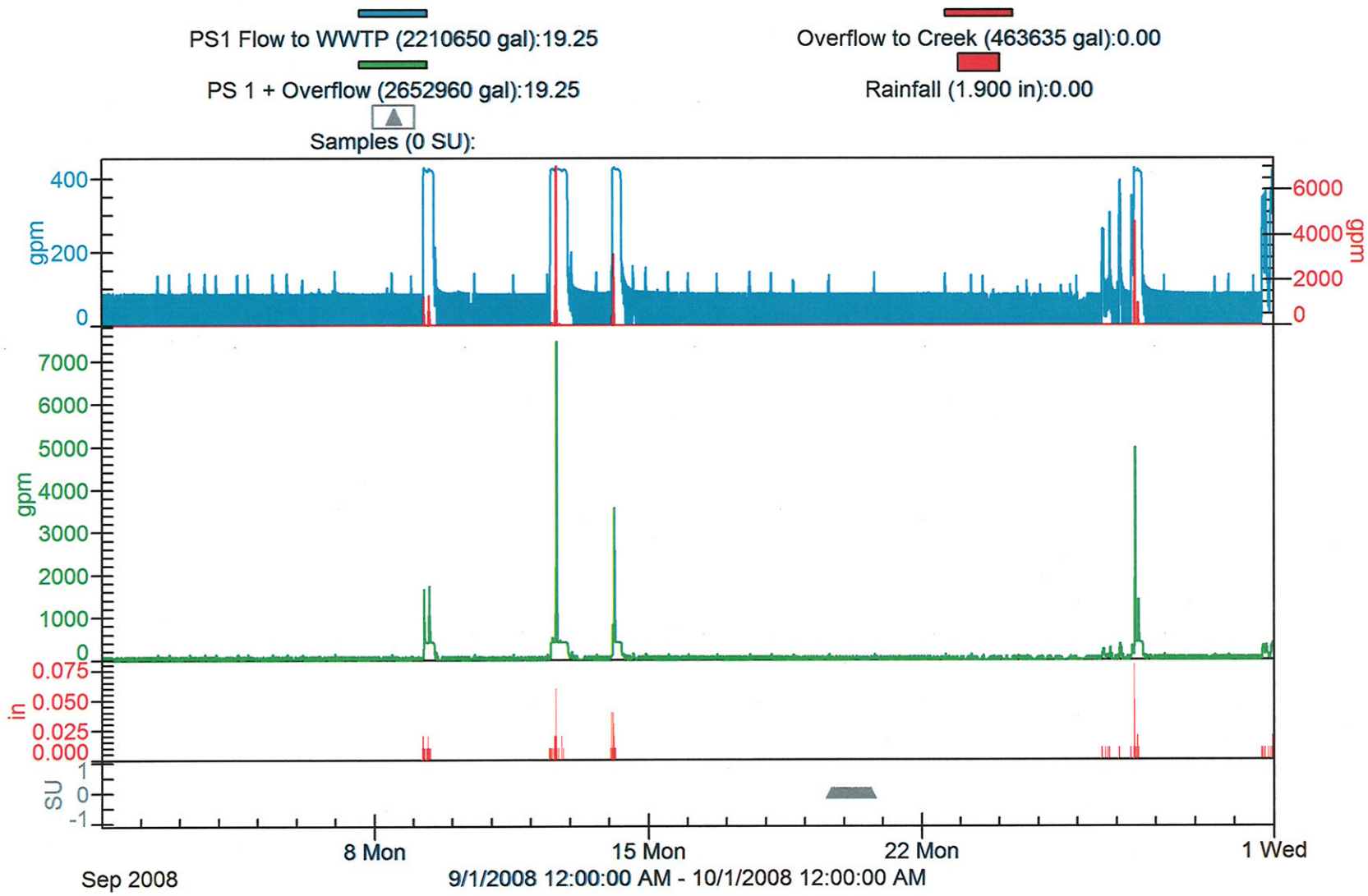
001 (Pump Station 1 to WWTP + Overflow to Creek)

Flowlink 5



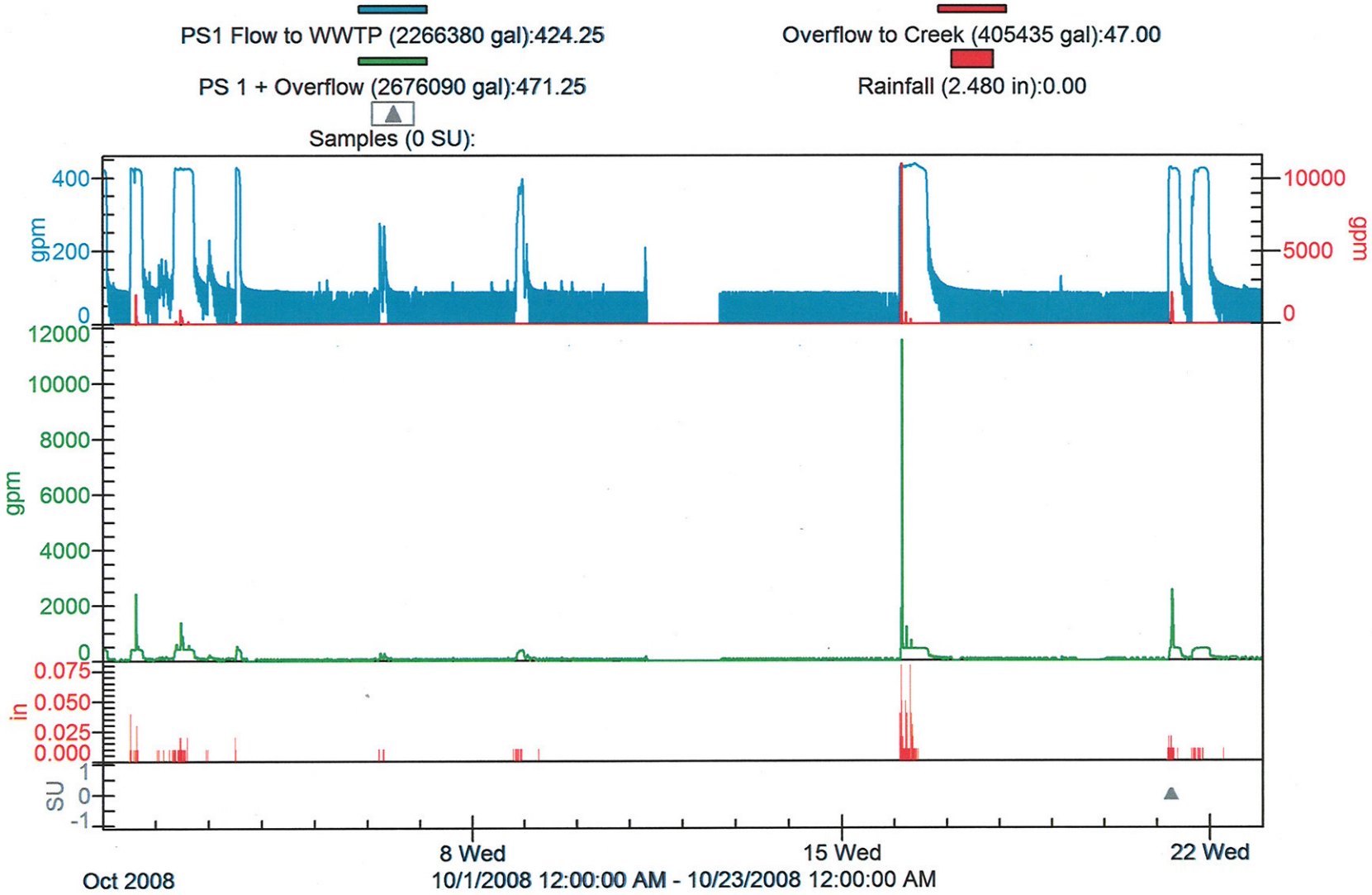
001 (Pump Station 1 to WWTP + Overflow to Creek)

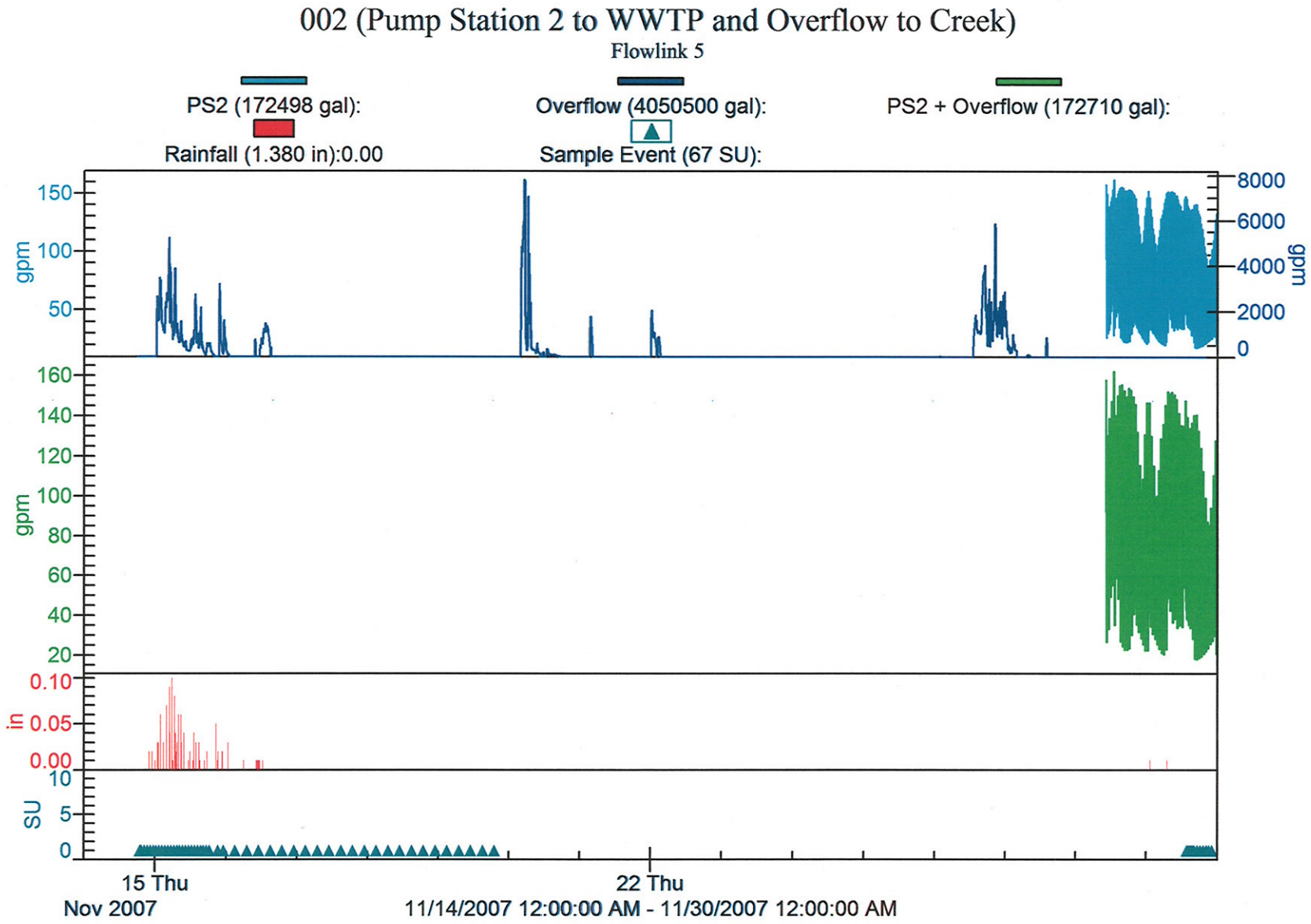
Flowlink 5



001 (Pump Station 1 to WWTP + Overflow to Creek)

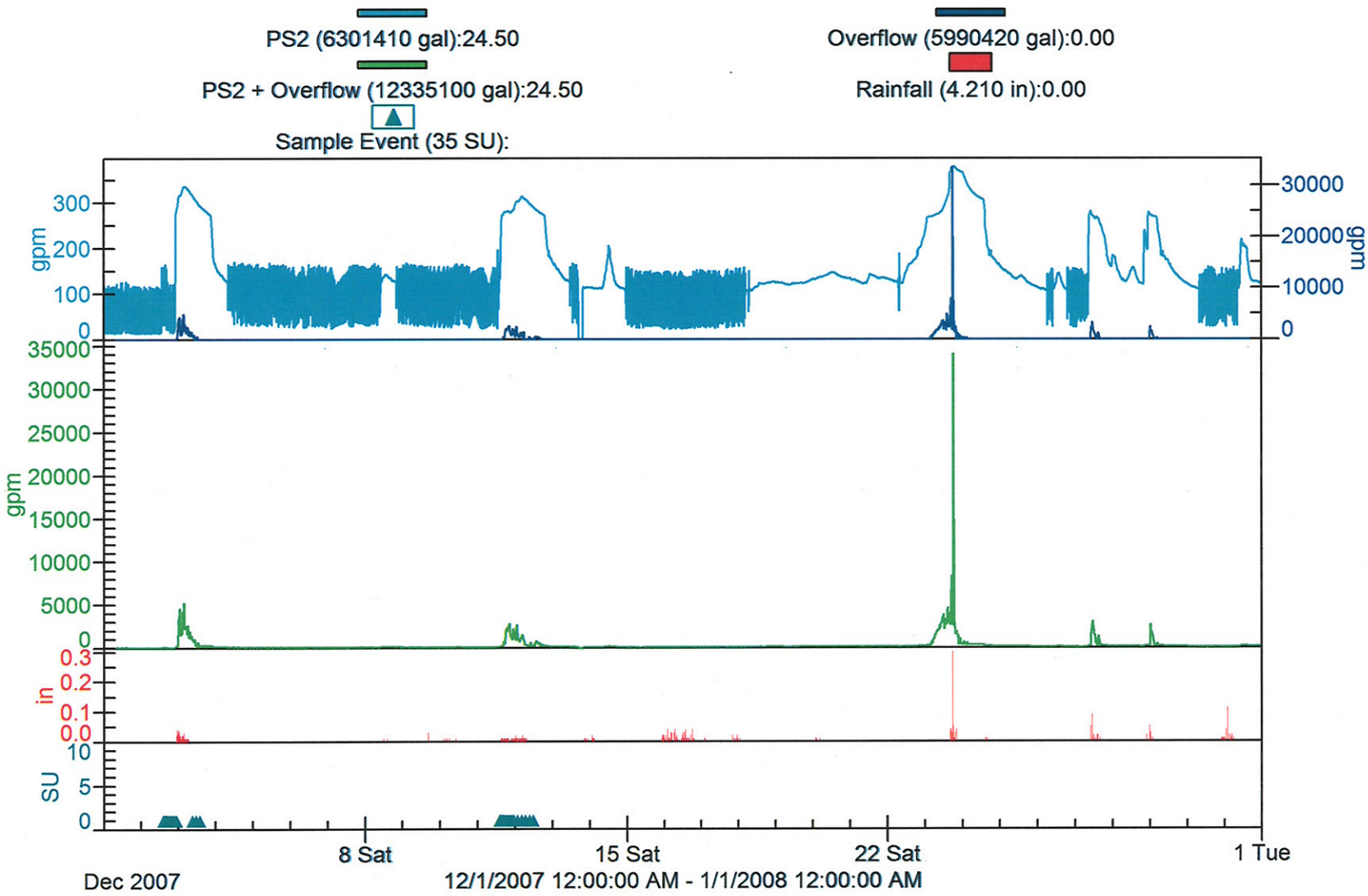
Flowlink 5




002 (Pump Station 2 to WWTP and Overflow to Creek)
Flowlink 5
PS2 (172498 gal):
Overflow (4050500 gal):
PS2 + Overflow (172710 gal):
Rainfall (1.380 in):0.00
Sample Event (67 SU):
gpm
150
100
50
8000
6000
4000
2000
0
gpm
160
140
120
100
80
60
40
20
in
0.10
0.05
0.00
SU
10
5
0
15 Thu
Nov 2007
22 Thu
11/14/2007 12:00:00 AM - 11/30/2007 12:00:00 AM

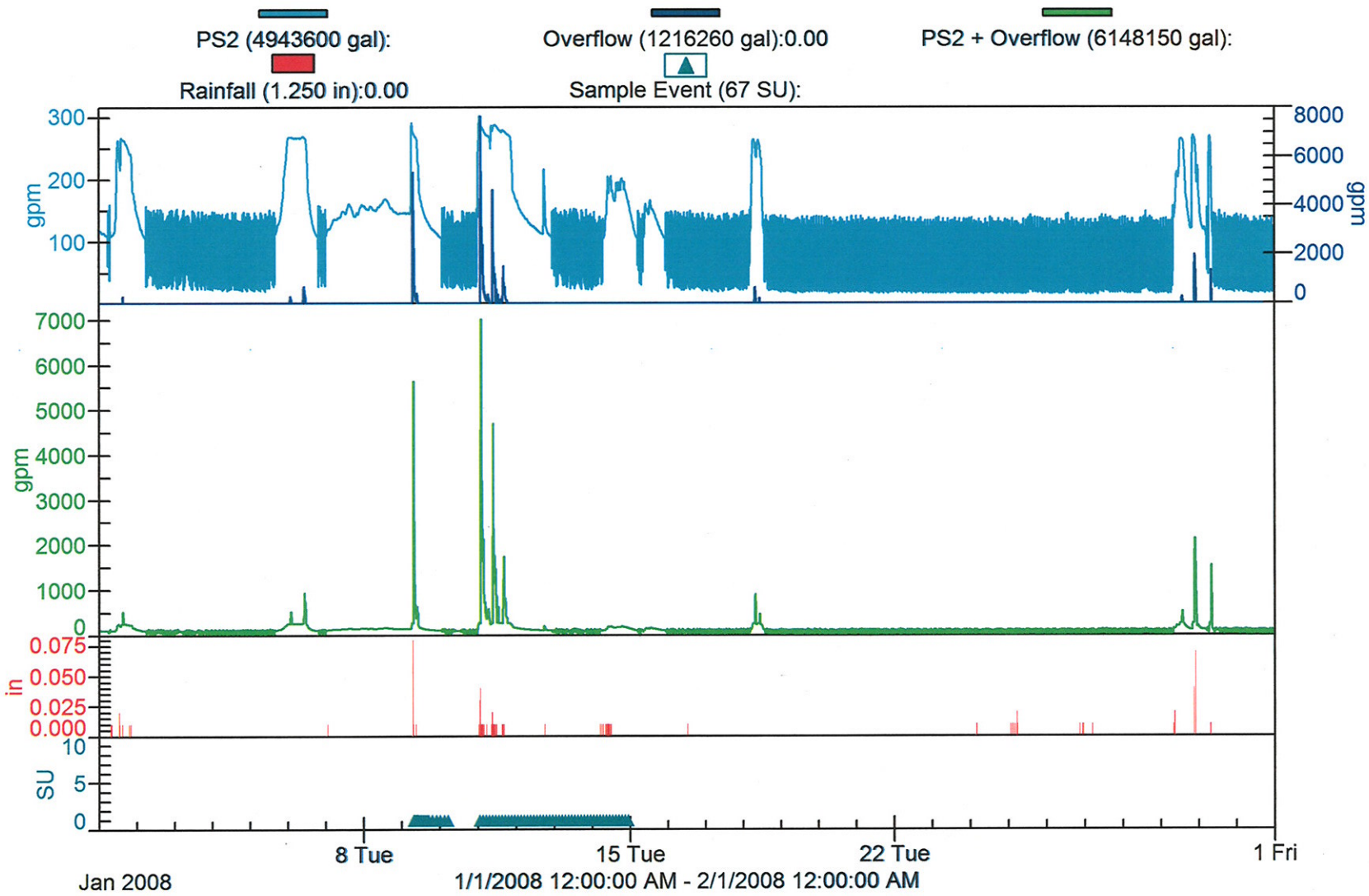
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



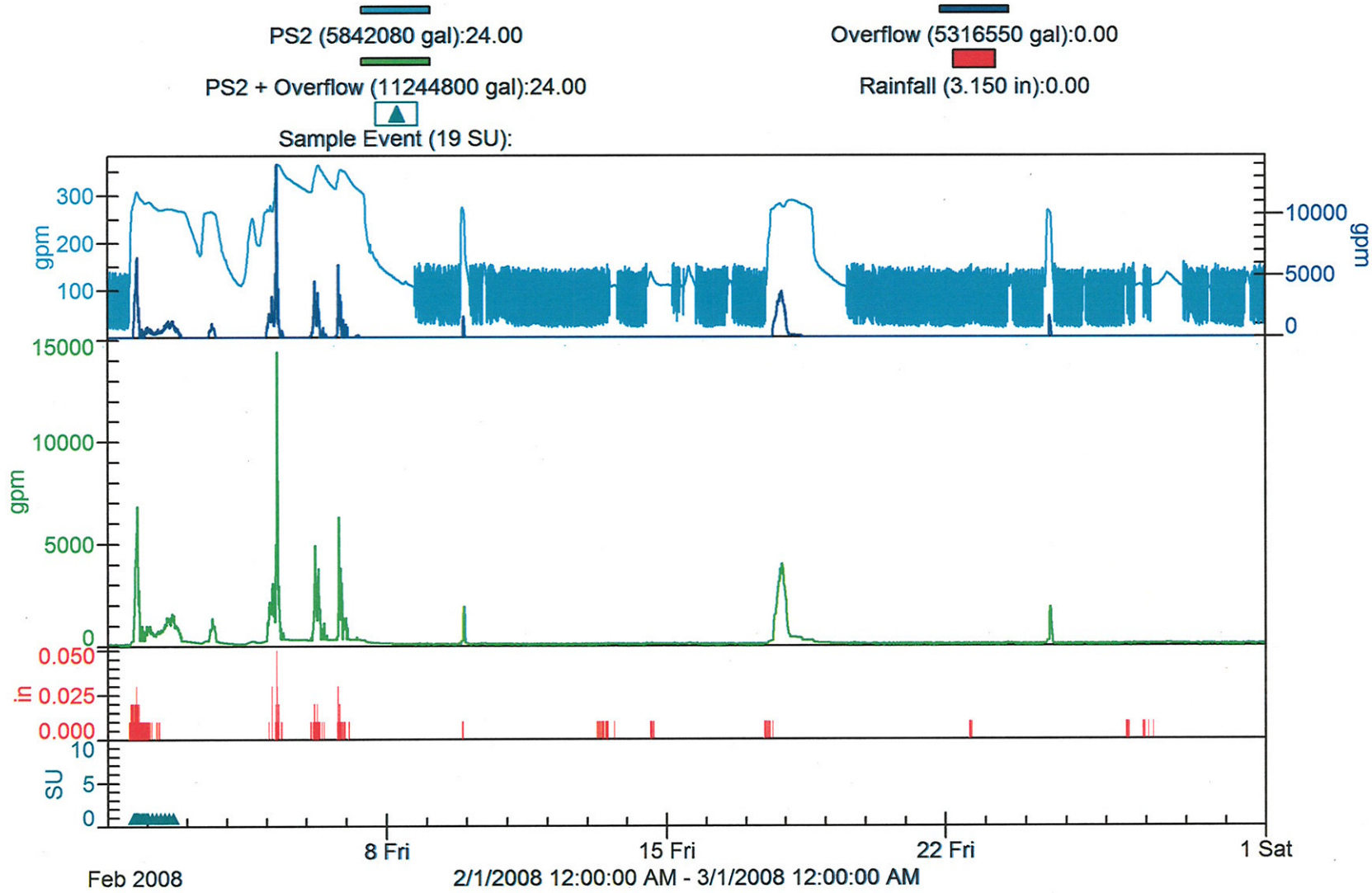
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



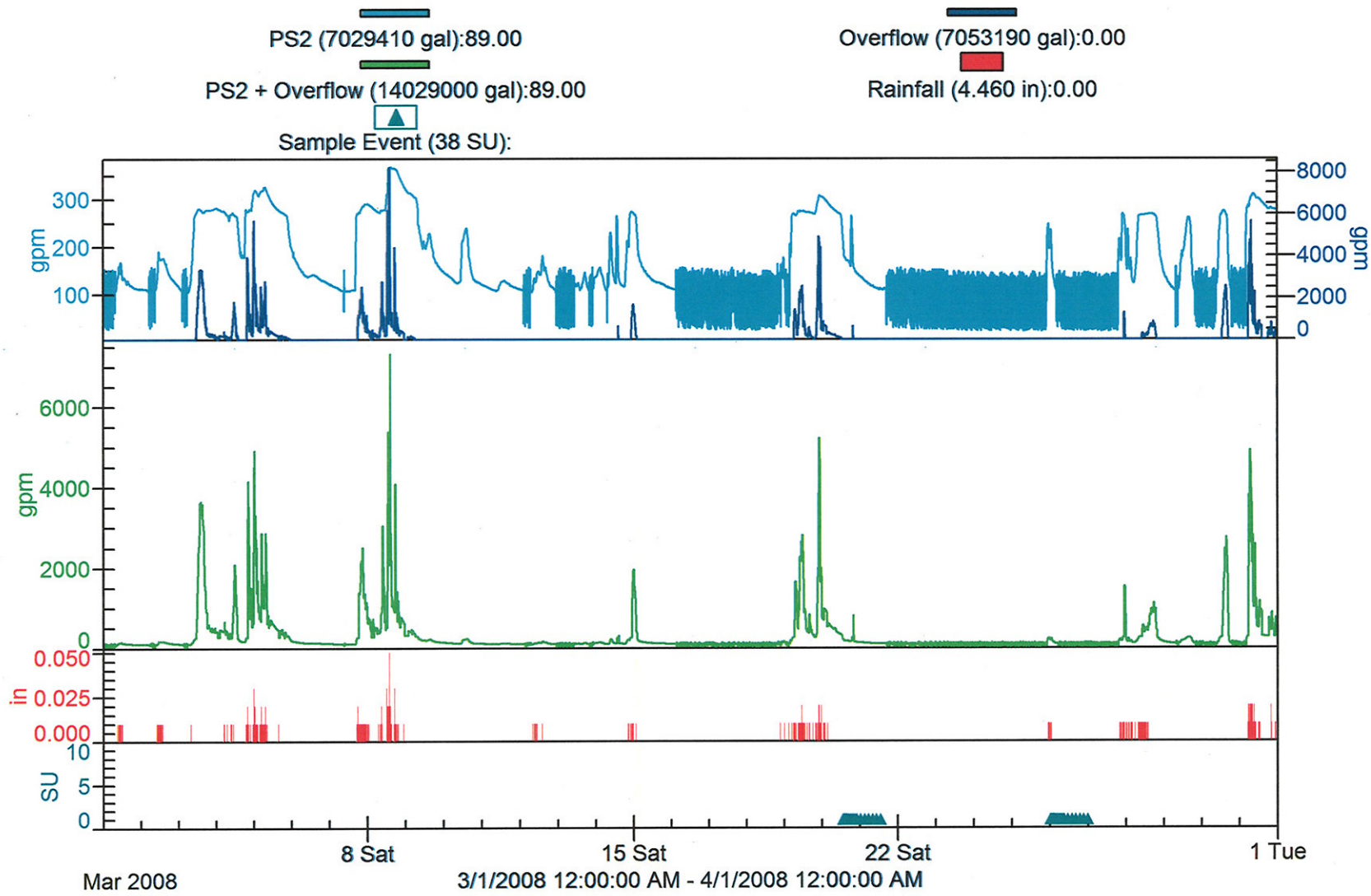
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



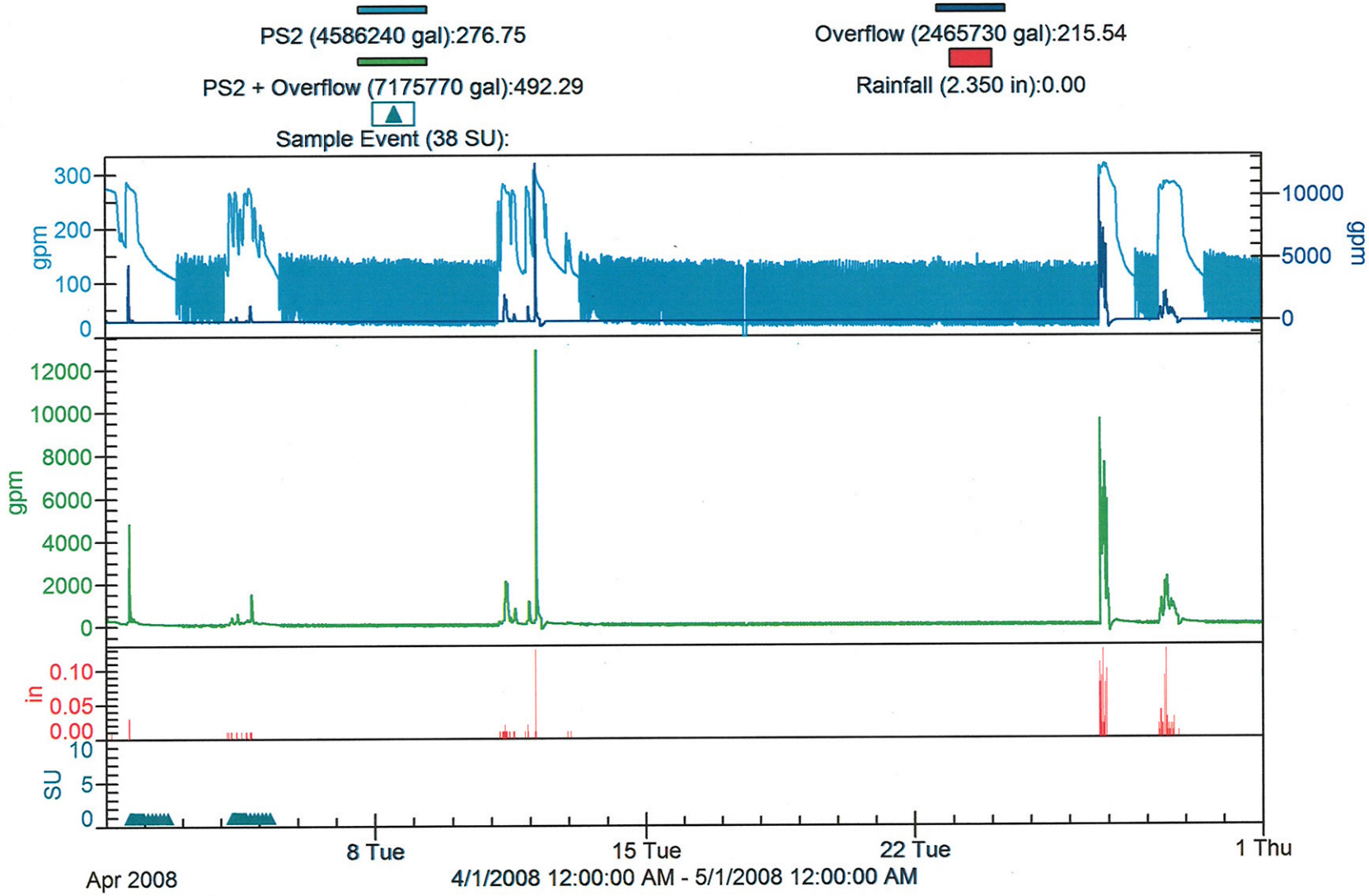
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



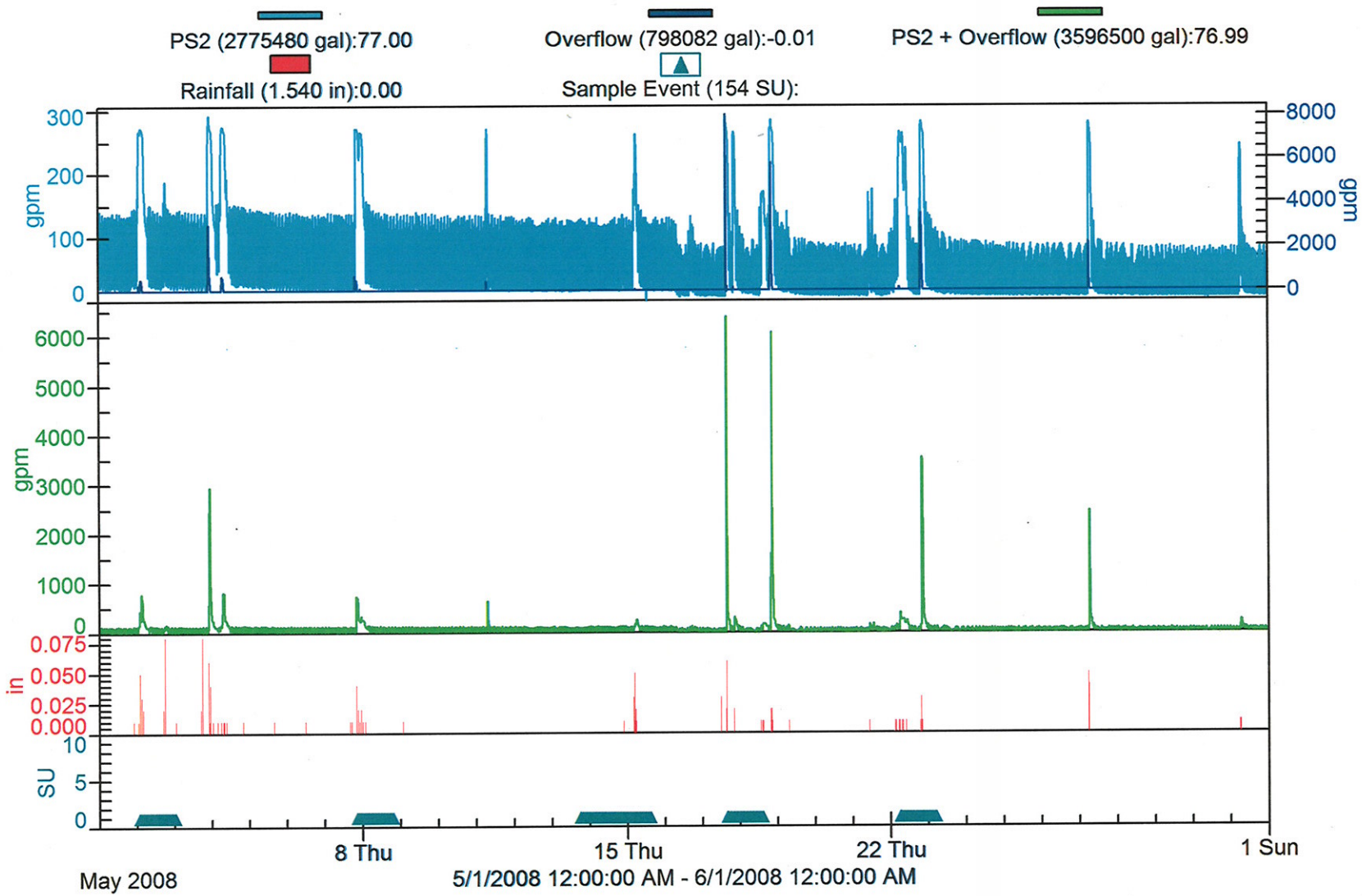
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



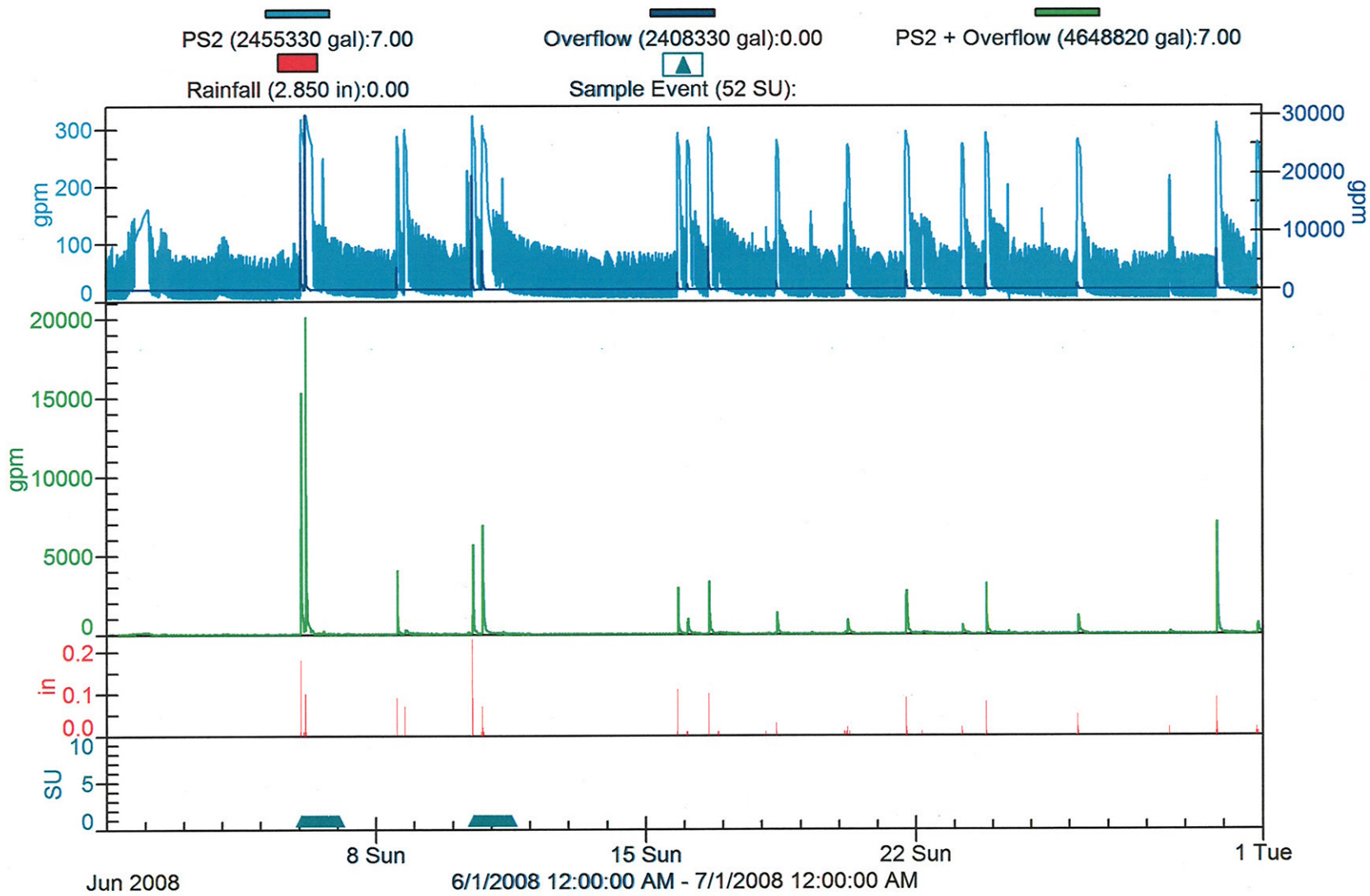
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



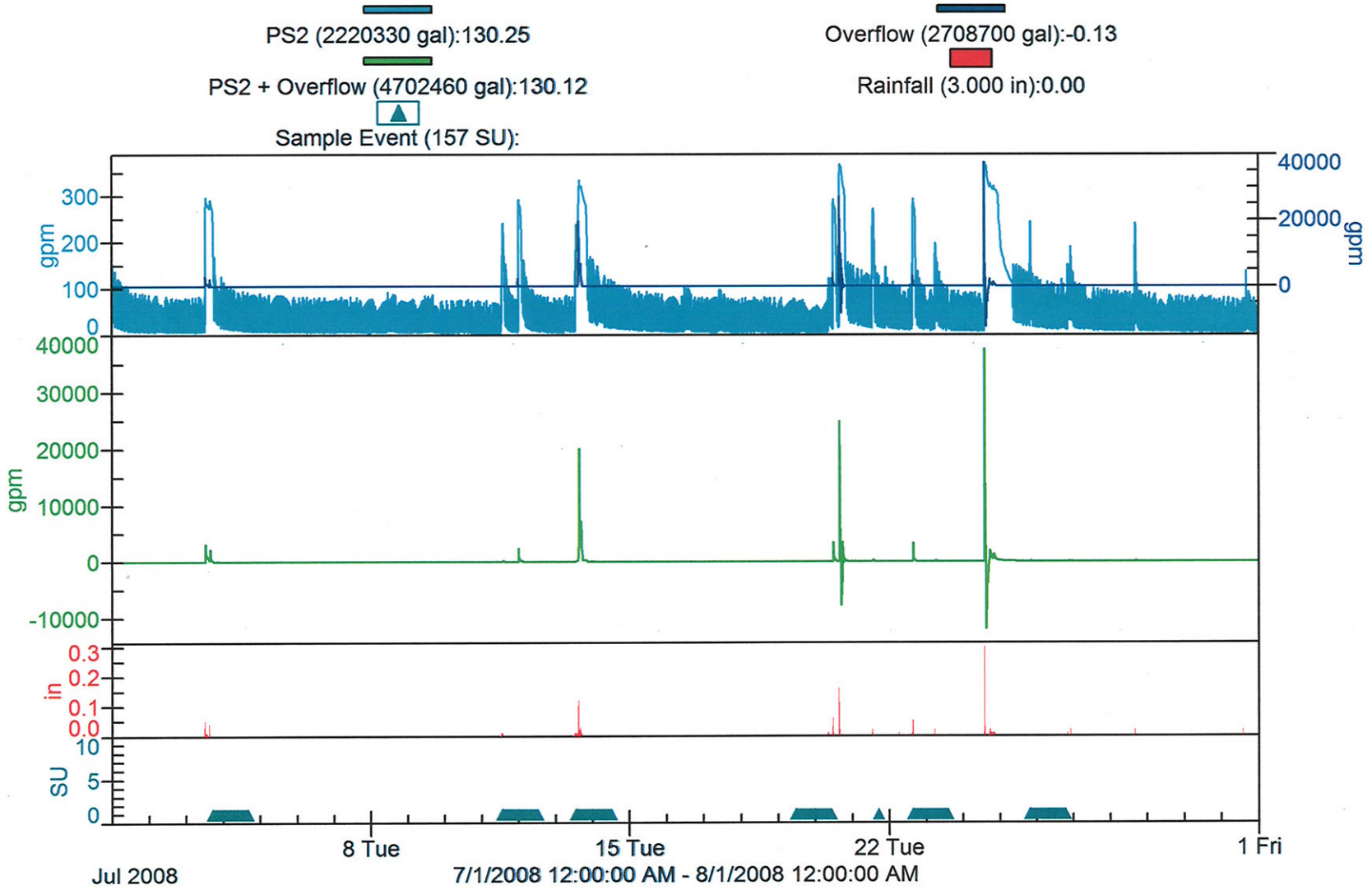
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



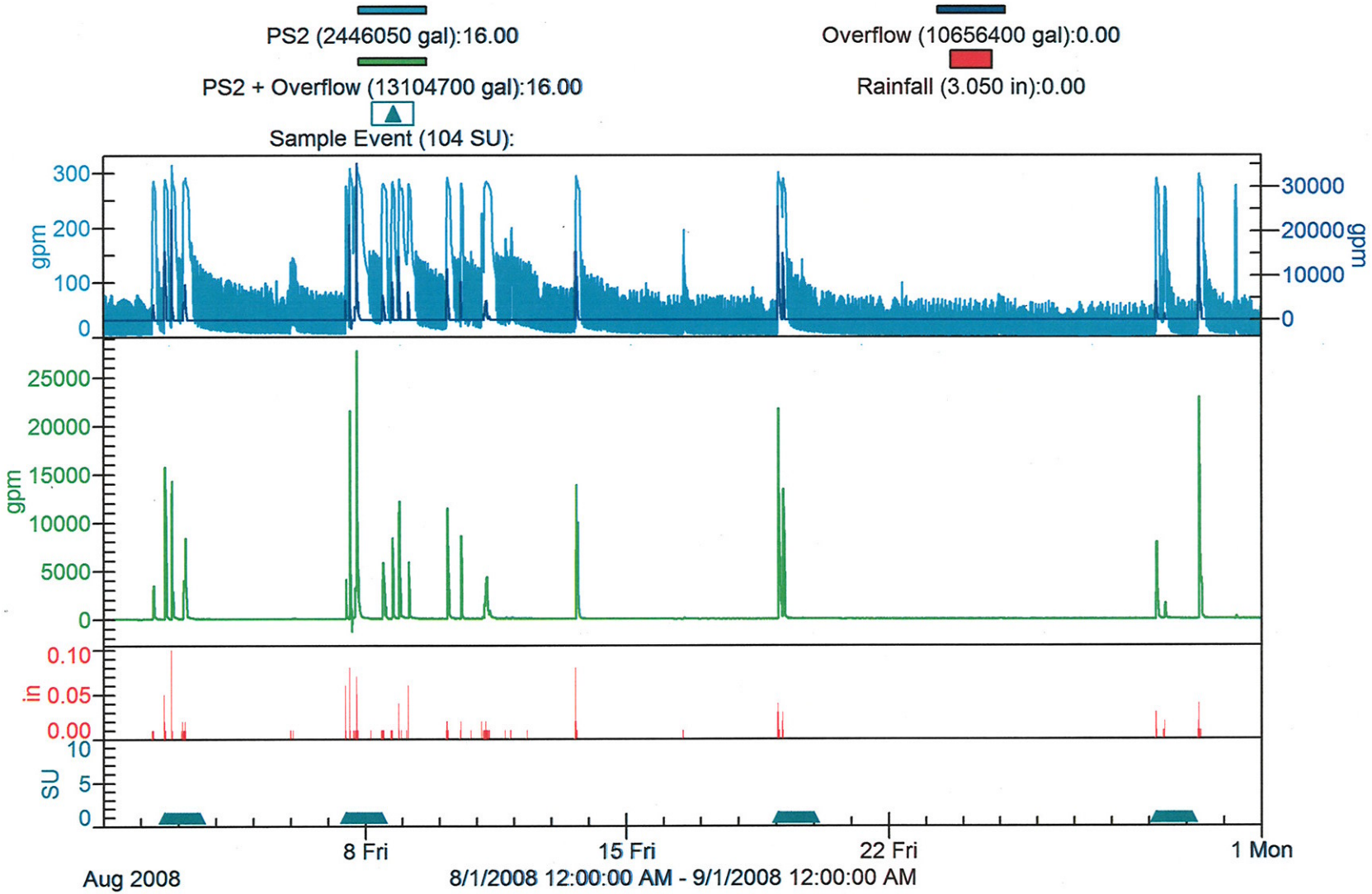
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



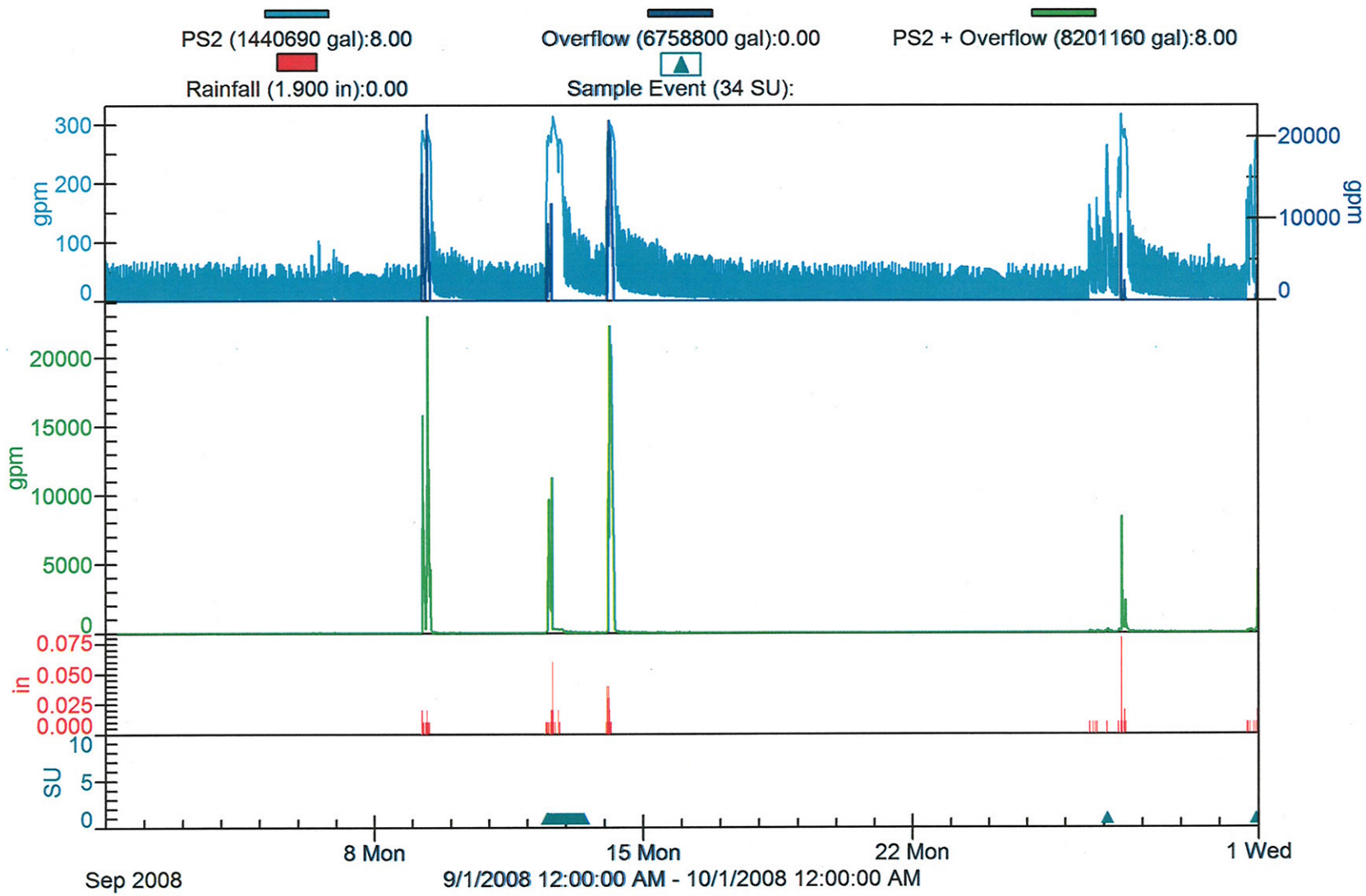
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



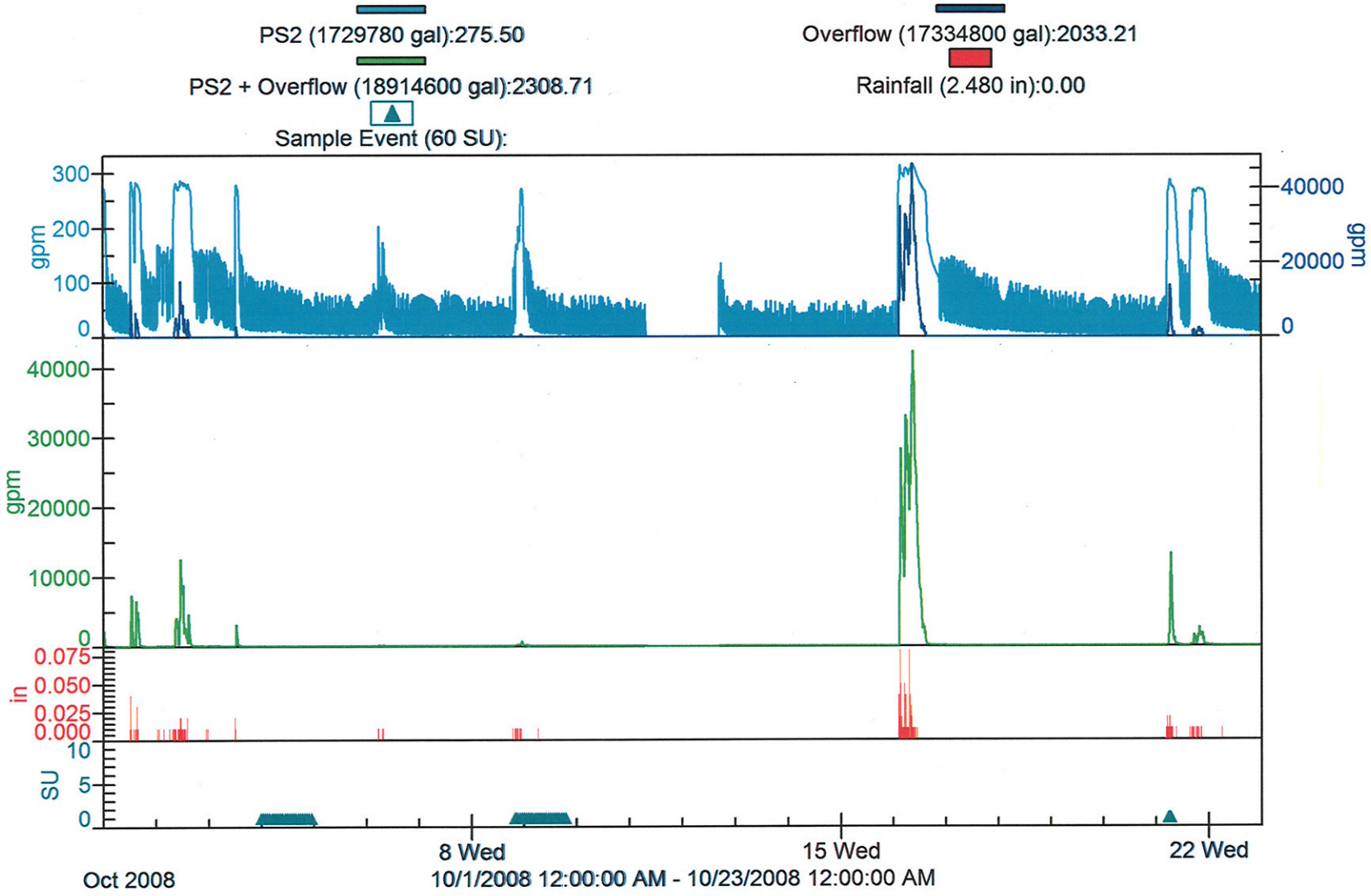
002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



002 (Pump Station 2 to WWTP and Overflow to Creek)

Flowlink 5



Appendix C

Summary of Sampling Data Collected at Outfall 01A

Summary of Sampling Data Collected at PS-1/Outfall 001

Summary of Sampling Data Collected at PS-2/Outfall 002

Summary of Sampling Data Collected from Sanders Creek (Upstream)

Particle Size Distribution Summary

Summary of Data Collected at Outfall 01A

Summary of Sampling Data Collected at 01A

				Composite Samples								Grab Samples							
		Daily		TSS	O&G	TOC	PCB, Unfiltered (ug/l)				PCB, Filtered (ug/l)		TSS	O&G	TOC	PCB, Unfiltered (ug/l)			PCB, Filtered (ug/l)	
Date	Note	Rainfall (inches)		mg/l	mg/l	mg/l	1260	1254	1248	Total	1260	1254	mg/l	mg/l	mg/l	1260	1254	1248	1260	1254
11/16/2007	C	0.12	10:15													< 0.065	< 0.065	< 0.065		
12/3/2007		0.68	0:05										16.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
			0:33	1.2			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	1.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
			3:33	0.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
			9:33	1.6			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
			23:15	0.0			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/4/2007		0	9:15	2.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.12								
12/11/2007		0.28	15:50	28.0	2.1	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	7.2	0	0	< 0.065	< 0.065	< 0.065		
			18:49	12.8	2.1	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
	C															< 0.065	< 0.065	< 0.065		
12/12/2007		0.4	0:49	6.8	3.7	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/8/2008	C	0														< 0.065	< 0.065	< 0.065		
1/9/2008		0.13	7:05	115	3.4		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	19.5	4.2		0.091	< 0.065	< 0.065	< 0.065	< 0.065
			9:20										28.5	1.6		0.094	< 0.065	< 0.065	< 0.065	< 0.065
			10:15	13.0	2.6		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
			16:15	3.0	3.1		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/11/2008		0.54	0:39	8.6	2.0	0.41	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
			9:18										6.6	3.6		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
1/12/2008		0.01	0:39	1.4	2.3		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/1/2008		1.13	16:11	59	1.5		< 0.065	0.085	< 0.065	0.085	< 0.065	< 0.065	126	2.5		< 0.065	0.14	< 0.065	< 0.065	< 0.065
			19:51	5.0	2.6		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/2/2008		0.09	3:21	9.5	1.9		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/5/2008	C	0.5														< 0.065	< 0.065	< 0.065		
3/4/2008	C	0.4														< 0.065	< 0.065	< 0.065		
3/27/2008		0.11	21:22	25.3			< 0.065	< 0.065	< 0.065	< 0.065			22.7			< 0.065	< 0.065	< 0.065		
3/28/2008		0.46	0:52	13.3			< 0.065	< 0.065	< 0.065	< 0.065										
			8:22	19.5			< 0.065	< 0.065	< 0.065	< 0.065										
3/31/2008		0.69	13:10	6.2			< 0.065	< 0.065	< 0.065	< 0.065			7.4			< 0.065	< 0.065	< 0.065		
			16:50	6.2			< 0.065	< 0.065	< 0.065	< 0.065										
4/1/2008		0.11	0:20	6.4			< 0.065	< 0.065	< 0.065	< 0.065										
	C															< 0.25	< 0.25	< 0.25		
4/4/2008		0.19	6:42	29.0			< 0.065	< 0.065	< 0.065	< 0.065			47.4			< 0.065	< 0.065	< 0.065		
			10:12	9.8			< 0.065	< 0.065	< 0.065	< 0.065										
			17:42	3.6			< 0.065	< 0.065	< 0.065	< 0.065										
5/7/2008		0.12	20:00		2.2	2.1	< 0.065	< 0.065	< 0.065	< 0.065				3.3	6	< 0.065	< 0.065	< 0.065		
5/17/2008		0.22	15:45	13.5	3.0	3.5	< 0.065	< 0.065	< 0.065	< 0.065			129	3.4	4.2	< 0.065	< 0.065	< 0.065		
5/22/2008	C	0.19	12:40													0.5	< 0.065	< 0.065		
6/6/2008		0.72	1:30			1.5	< 0.065	< 0.065	< 0.065	< 0.065				5	6	0.16	0.14	< 0.065		
6/10/2008		0.52	12:27	2.8	2.6	3.2	< 0.065	< 0.065	< 0.065	< 0.065			80	0	2.8	0.22	< 0.065	< 0.065	< 0.065	< 0.065
	C		12:40													0.21	< 0.065	< 0.065		
7/3/2008		0.29	16:41	1.4	2.2	3.4	< 0.065	< 0.065	< 0.065	< 0.065			6	2.2	4.5	< 0.065	< 0.065	< 0.065		
	C		13:30													2.5	< 0.065	< 0.065		
7/11/2008		0.06	13:00	109							< 0.065	< 0.065	28.3						< 0.065	< 0.065
7/13/2008		0.73	11:48	21.2	0.0	0.33	0.14	< 0.065	< 0.065	0.14	< 0.065	< 0.065	1.8	1.8	0.28	0.17	< 0.065	< 0.065	< 0.065	< 0.065
7/21/2008		0.03	17:45	1.2	1.8	1.1	< 0.065	< 0.065	< 0.065	< 0.065										
8/2/2008		0.42	15:48	4.4	2.2	6.2	< 0.065	< 0.065	< 0.065	< 0.065			7.8	3.7	2.7	< 0.065	< 0.065	< 0.065		
8/4/2008		0	22:10		3.1	0.38	< 0.065	< 0.065	< 0.065	< 0.065				0	0.31	< 0.065	< 0.065	< 0.065		
8/7/2008	C	0.59	14:10													0.36	< 0.065	< 0.065		
9/9/2008	C	0.29	11:00													0.5	< 0.065	< 0.065		
9/27/2008		0.5	10:53	4.2	2.4	1.7	< 0.065	< 0.065	< 0.065	< 0.065			39	1.7	4.5	0.12	< 0.065	< 0.065	< 0.065	< 0.065
9/30/2008		0.14	13:45		1.9	0.22	< 0.065	< 0.065	< 0.065	< 0.065				1.9	1.5	< 0.065	< 0.065	< 0.065		
			23:48	3.8									7.2							
10/16/2008	C	1.28	9:10													1.6	< 0.065	< 0.065		
10/21/2008		0.42	10:47										20.8			0.077	< 0.065	< 0.065	< 0.065	< 0.065
Maximum		1.28		115	3.7	6.2	0.14	0.085	< 0.065	0.14	< 0.065	0.12	129	5	6	2.5	0.14	< 0.25	< 0.065	< 0.065

Note: "C" designates grab sample collected by Carrier for routine NPDES reporting.

Summary of Data Collected at PS-1/Outfall 001

Summary of Sampling Data Collected at 001

	Daily		Composite Samples									Grab Samples							
			TSS	O&G	TOC	PCB, Unfiltered (ug/l)				PCB, Filtered (ug/l)		TSS	O&G	TOC	PCB, Unfiltered (ug/l)			PCB, Filtered (ug/l)	
Date	Rainfall (inches)		mg/l	mg/l	mg/l	1260	1254	1248	Total	1260	1254	mg/l	mg/l	mg/l	1260	1254	1248	1260	1254
12/1/2007	0	11:51	4.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		14:51	2.2			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		16:01										2			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		20:51	2.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/2/2007	0.5	23:15				< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		23:59										4.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
12/3/2007	0.68	1:40	5.7			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	7.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		8:15	1.3			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		23:15	0.6			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/4/2007	0	11:22	3.2			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	0.074								
12/5/2007	0	1:15	4.2			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/11/2007	0.28	15:40	4.7	3.4	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	138	4.1	92	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		18:50	15.7	3.1	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/12/2007	0.4	0:50	11.0	3.1	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/9/2008	0.13	6:45	118	3.3		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	725	3.8		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		9:15	12.0	2.9		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	33.3	3.1		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		16:16	6.2	1.5		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/11/2008	0.54	0:39	9.0	1.6	97	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		9:13										60.3	4.9		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
1/12/2008	0.01	0:39	4.4	2.0		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/1/2008	1.13	16:13	71	1.8		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	135	2.1		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		19:53	7.5	2.2		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/2/2008	0.09	3:23	17.3	2.4		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
3/27/2008	0.11	21:12	36.0			< 0.065	< 0.065	< 0.065	< 0.065			59.7			< 0.065	< 0.065	< 0.065		
3/28/2008	0.46	0:52	21.0			< 0.065	< 0.065	< 0.065	< 0.065										
		8:22	28.0			< 0.065	< 0.065	< 0.065	< 0.065										
3/31/2008	0.69	13:10	9.2			< 0.065	< 0.065	< 0.065	< 0.065			18.5			< 0.065	< 0.065	< 0.065		
		16:50	20.3			< 0.065	< 0.065	< 0.065	< 0.065										
4/1/2008	0.11	0:20	9.5			< 0.065	< 0.065	< 0.065	< 0.065										
4/4/2008	0.19	6:42	38.3			< 0.065	< 0.065	< 0.065	< 0.065			67			< 0.065	< 0.065	< 0.065		
		10:12	16.8			< 0.065	< 0.065	< 0.065	< 0.065										
		17:42	5.2			< 0.065	< 0.065	< 0.065	< 0.065										
5/7/2008	0.12	20:02		2.2	2.2	< 0.065	< 0.065	< 0.065	< 0.065				2.2	28.3	< 0.065	< 0.065	< 0.065		
5/17/2008	0.22	15:47	8.7	1.9	4.4	< 0.065	< 0.065	< 0.065	< 0.065			256	3.4	6.4	< 0.065	< 0.065	< 0.065		
6/6/2008	0.72	1:32			1.1	< 0.065	< 0.065	< 0.065	< 0.065				2.2	5.2	< 0.065	< 0.065	< 0.065		
6/10/2008	0.52	12:28	0.67		3.2	< 0.065	< 0.065	< 0.065	< 0.065			39.3	1.8	3.6	< 0.065	< 0.065	< 0.065		
7/3/2008	0.29	13:04	1.8	2.4	4.6	< 0.065	< 0.065	< 0.065	< 0.065			18	2.7	4.9	< 0.065	< 0.065	< 0.065		
7/11/2008	0.06	13:00	3.2							< 0.065	< 0.065	18							
7/13/2008	0.73	11:50	3.5	2.0	1.2	< 0.065	< 0.065	< 0.065	< 0.065			2.8			0.076	< 0.065	< 0.065	< 0.065	< 0.065
7/21/2008	0.03	18:07	2.8	2.5	0.6	< 0.065	< 0.065	< 0.065	< 0.065			2.2	2	1.4	< 0.065	< 0.065	< 0.065		
8/2/2008	0.42	15:51	33.4	2.6	3.9	< 0.065	< 0.065	< 0.065	< 0.065			5.8	2	5.8	< 0.065	< 0.065	< 0.065		
8/4/2008	0	22:12		2.5	1.2	< 0.065	< 0.065	< 0.065	< 0.065					0.32	< 0.065	< 0.065	< 0.065		
9/27/2008	0.5	10:56	18.8	3.2	0.79	0.083	< 0.065	< 0.065	0.083	< 0.065	< 0.065	13.2	2	1.3	0.092	< 0.065	< 0.065	< 0.065	< 0.065
9/30/2008	0.14	13:46	13.5	5.0	0.29	< 0.065	< 0.065	< 0.065	< 0.065			5.8	2.2	1.5	< 0.065	< 0.065	< 0.065		
10/21/2008	0.42	10:47										28.5			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
Maximum	1.13		118	5	97	0.083	< 0.065	< 0.065	0.083	< 0.065	0.074	725	4.9	92	0.092	< 0.065	< 0.065	< 0.065	< 0.065

Summary of Data Collected at PS-2/Outfall 002

Summary of Sampling Data Collected at 002

Date	Daily Rainfall (inches)	Overflow? 001	Overflow? 002	Sampled? 001	Sampled? 002	Sampled? 01A		Composite Samples TSS mg/l	O&G mg/l	TOC mg/l	PCB, Unfiltered (ug/l) 1260	1254	1248	Total	PCB, Filtered (ug/l) 1260	1254	Grab Samples TSS mg/l	O&G mg/l	TOC mg/l	PCB, Unfiltered (ug/l) 1260	1254	1248	PCB, Filtered (ug/l) 1260	1254
11/14/2007	0.05		0		1		6:00	1.0			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	1.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
11/15/2007	1.19				1		6:00	3.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
					1		12:00	0.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
							13:00	1.0			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
			1		1		19:00	1.0			0.15	0.27	< 0.065	0.42	< 0.065	< 0.065								
11/16/2007	0.12		1		1		19:00	0.6			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
11/17/2007	0		0		1		19:00	0.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
11/18/2007	0		0				19:00	0.4			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
11/29/2007	0.02						0:36	0.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
			0		1		13:36	1.8			0.18	0.12	< 0.065	0.3	< 0.065	< 0.065								
					1		17:06	0.67			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/2/2007	0.5	1	1	1	1		14:06	0.8			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	1			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
					1		17:36	4.6			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/11/2007	0.28	1	1	1	1	1	13:58	2.8	2.8	0.0	0.092	< 0.065	< 0.065	0.092	0.1	< 0.065	0.8	1.9	0	< 0.065	< 0.065	< 0.065	0.094	< 0.065
					1		16:58	7.7	2.5	0.0	0.081	< 0.065	< 0.065	0.081	< 0.065	< 0.065								
					1		22:58	1.6	0.0	78.0	< 0.065	< 0.065	< 0.065	< 0.065	0.1	< 0.065								
1/9/2008	0.13	1	1	1	1	1	7:16	99.5	1.6		0.13	< 0.065	< 0.065	0.13	< 0.065	< 0.065	407	25.8		0.21	< 0.065	< 0.065	< 0.065	< 0.065
					1		10:14	4.0	3.2		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	6.8	4		0.094	< 0.065	< 0.065	< 0.065	< 0.065
					1		16:16	1.0	2.9		0.068	< 0.065	< 0.065	0.068	< 0.065	< 0.065								
1/11/2008	0.54	1	1	1		1	0:38	3.6	1.9	0.0	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/12/2008	0.01		0	1		1	0:38	1.2	3.5		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/1/2008	1.13	1	1	1	1	1	15:38	29.7	4.4	0.0	0.19	0.23	< 0.065	0.42	< 0.065	< 0.065	74	7.2	0	0.81	0.44	0.98	< 0.065	< 0.065
					1		19:18	2.6	2.9	0.0	0.065	0.084	< 0.065	0.149	< 0.065	< 0.065								
2/2/2008	0.09	1	1	1		1	2:48	3.8	2.4	0.0	< 0.065	0.068	< 0.065	0.068	< 0.065	< 0.065								
3/20/2008	0.06	1	1		1		12:51				0.091	0.084	< 0.065	0.175	< 0.065	< 0.065				0.55	0.31	< 0.065	< 0.065	< 0.065
					1		16:31				< 0.065	< 0.065	< 0.065	< 0.065										
3/21/2008	0		0		1		0:01				< 0.065	< 0.065	< 0.065	< 0.065										
3/25/2008	0.04		0		1		23:46				0.087	< 0.065	< 0.065	0.087	< 0.065	< 0.065				0.16	0.077	< 0.065	< 0.065	< 0.065
3/26/2008	0.02		0		1		3:26				< 0.065	< 0.065	< 0.065	< 0.065										
					1		10:56				< 0.065	< 0.065	< 0.065	< 0.065										
4/1/2008	0.11	1	1	1	1	1	14:02	2.3			< 0.065	< 0.065	< 0.065	< 0.065										
							14:52										159			0.16	0.11	< 0.065	< 0.065	< 0.065
					1		15:02	57.2			< 0.065	< 0.065	< 0.065	< 0.065										
					1		18:32	5.7			< 0.065	< 0.065	< 0.065	< 0.065										
4/4/2008	0.19		1	1	1	1	6:27	5.6			< 0.065	< 0.065	< 0.065	< 0.065			5.6			< 0.065	< 0.065	< 0.065		
					1		10:07	2.7			< 0.065	< 0.065	< 0.065	< 0.065										
					1		17:37	0.0			< 0.065	< 0.065	< 0.065	< 0.065										
5/2/2008	0.21	1	1		1		1:47	2.2	3.8	1.3	0.072	< 0.065	< 0.065	0.072	< 0.065	< 0.065	8.2	27.3	1.9	0.38	0.29	< 0.065	< 0.065	< 0.065
5/7/2008	0.12	1	0	1	1	1	20:07		2.5	4.5	0.11	0.091	< 0.065	0.201	< 0.065	< 0.065		5.3	10.9	0.35	0.2	< 0.065		
5/17/2008	0.22	1	1	1	1	1	15:33	11.2	3.2	0.0	0.071	0.11	< 0.065	0.181	< 0.065	< 0.065	61	2.9	9.8	0.096	0.12	< 0.065	< 0.065	< 0.065
5/22/2008	0.19						5:33	3.6		1.3							3.4		2.6					
6/6/2008	0.72	1	1	1	1	1	1:28		1.8	3.3	0.079	0.1	< 0.065	0.179				2.3	3.7	0.19	< 0.065	< 0.065		
6/10/2008	0.52	1	1	1	1	1	12:36	6.0	0	1.8	< 0.065	0.14	< 0.065	0.203	< 0.065	< 0.065	78	1.9	2.5	0.14	0.2	< 0.065	< 0.065	< 0.065
7/3/2008	0.29	1	1	1	1	1	17:05	0.8	0	0.55	< 0.065	< 0.065	< 0.065	< 0.065			0.6	2.3	3.1	< 0.065	< 0.065	< 0.065		
7/11/2008	0.06	1	1	0	0	0	13:15	35.8									9.7		3.7				< 0.065	< 0.065
7/13/2008	0.73	1	1	1	1	1	12:49	22.0	2.1	0.65	< 0.065	< 0.065	< 0.065	< 0.065			41.5	2	8.5	0.13	0.14	< 0.065	< 0.065	< 0.065
7/22/2008	0.16	1	1		1		15:31	3.4	1.9	1.5	< 0.065	< 0.065	< 0.065	< 0.065			28	1.9	3	0.12	< 0.065	< 0.065	< 0.065	< 0.065
8/2/2008	0.42	1	1	1	1	1	14:57	2.8	3.3	3.1	0.074	< 0.065	< 0.065	0.074	< 0.065	< 0.065	11	2.9	3.9	0.12	< 0.065	< 0.065	< 0.065	< 0.065
8/7/2008	0.59	1	1		1		11:33	19.2		3.5	0.09	< 0.065	< 0.065	0.09	< 0.065	< 0.065	821	3	4.8	< 0.065	< 0.065	< 0.065		
8/19/2008	0.33	1	0				1:14								0.12	0.12	34.2	3.4	3.5	0.13	0.092	< 0.065	0.17	0.15
9/12/2008	0.55	1	1		1		11:53	7.6	2.2	2.1	< 0.065	< 0.065	< 0.065	< 0.065			12.5	0	2.9	< 0.065	< 0.065	< 0.065		
9/27/2008	0.5						13:33										1	0	8.4	0.092	< 0.065	< 0.065	< 0.065	< 0.065
9/30/2008	0.14						22:11										2			< 0.065	< 0.065	< 0.065		
							23:42											2.2	0.21	< 0.065	< 0.065	< 0.065		
10/21/2008	0.42						10:47										10.9			0.076	< 0.065	< 0.065	< 0.065	< 0.065
Maximum	1.19	21	22	16	41	15		99.5	4.4	78	0.19	0.27	< 0.065	0.42	0.12	0.12	821	27.3	10.9	0.81	0.44	0.98	0.17	0.15

Summary of Sampling Data Obtained from Sanders Creek (Upstream)

Summary of Sampling Data Collected from Sanders Creek (Upstream of Outfall 001)

	Daily		Composite Samples									Grab Samples							
			TSS	O&G	TOC	PCB, Unfiltered (ug/l)				PCB, Filtered (ug/l)		TSS	O&G	TOC	PCB, Unfiltered (ug/l)			PCB, Filtered (ug/l)	
Date	Rainfall (inches)		mg/l	mg/l	mg/l	1260	1254	1248	Total	1260	1254	mg/l	mg/l	mg/l	1260	1254	1248	1260	1254
12/2/2007	0.5	23:17	5.0			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/3/2007	0.68	0:20										12.2			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		2:17	5.3			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		8:17	7.5			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		23:15	10.5			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/4/2007	0	11:15	4.0			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/5/2007	0	1:15	7.6			< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/11/2007	0.28	15:40	10.8		0.9	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	7	2.9	0.88	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		18:50	37.7	2.5	1.1	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
12/12/2007	0.4	0:50	25.0	3.5	1.9	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/9/2008	0.13	6:45	99	2.0		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		7:05										8.5	2.3		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		9:30										50	3.2		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
		10:15	23.3	2.4		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		16:15	16.8	2.6		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
1/11/2008	0.54	0:38	50.0	0.0		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
		9:22										12.8	3.8		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065
1/12/2008	0.01	0:39	9.8	0.0		< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065								
2/1/2008	1.13	16:13																	
		19:53																	
2/2/2008	0.09	3:23																	
3/27/2008	0.11	21:12	11			< 0.065	< 0.065	< 0.065	< 0.065			8.6			< 0.065	< 0.065	< 0.065		
3/28/2008	0.46	0:52	10			< 0.065	< 0.065	< 0.065	< 0.065										
		8:22	12.6			< 0.065	< 0.065	< 0.065	< 0.065										
3/31/2008	0.69	13:13	20.3			< 0.065	< 0.065	< 0.065	< 0.065			50.5			< 0.065	< 0.065	< 0.065		
		16:53	20.0			< 0.065	< 0.065	< 0.065	< 0.065										
4/1/2008	0.11	0:23	17.0			< 0.065	< 0.065	< 0.065	< 0.065										
4/4/2008	0.19	6:31	6.6			< 0.065	< 0.065	< 0.065	< 0.065			8.4			< 0.065	< 0.065	< 0.065		
		10:11	6.6			< 0.065	< 0.065	< 0.065	< 0.065										
		17:41	8.6			< 0.065	< 0.065	< 0.065	< 0.065										
5/7/2008	0.12	20:00		3.2	3.6	< 0.065	< 0.065	< 0.065	< 0.065				2.8	2.4	< 0.065	< 0.065	< 0.065		
5/17/2008	0.22	15:45	10.8	2.0	3.0	< 0.065	< 0.065	< 0.065	< 0.065			40.5	2.7	2.4	< 0.065	< 0.065	< 0.065		
6/6/2008	0.72	1:30			4.3	< 0.065	< 0.065	< 0.065	< 0.065				2.1	6.5	< 0.065	< 0.065	< 0.065		
6/10/2008	0.52	12:26	20.0		4.4	< 0.065	< 0.065	< 0.065	< 0.065			89		3.8	< 0.065	< 0.065	< 0.065		
7/3/2008	0.29	16:44	20.7		3.6	< 0.065	< 0.065	< 0.065	< 0.065			1.2		3.9	< 0.065	< 0.065	< 0.065		
7/11/2008	0.06	13:20	21.8									12							
7/13/2008	0.73	11:48	39.5	2.5	3.7	< 0.065	< 0.065	< 0.065	< 0.065			12.2		2.9	< 0.065	< 0.065	< 0.065		
7/21/2008	0.03	18:06	65.0		2.4	< 0.065	< 0.065	< 0.065	< 0.065			22.5			< 0.065	< 0.065	< 0.065		
8/2/2008	0.42	15:49	61.5		4.5	< 0.065	< 0.065	< 0.065	< 0.065			5.4	2.4	3.3	< 0.065	< 0.065	< 0.065		
8/4/2008	0	22:10		3.6	1.5	< 0.065	< 0.065	< 0.065	< 0.065				2	2.5	< 0.065	< 0.065	< 0.065		
9/27/2008	0.5	10:56																	
9/30/2008	0.14	13:52	34.5	5.0	2.0	< 0.065	< 0.065	< 0.065	< 0.065				2.2	2.4	< 0.065	< 0.065	< 0.065		
10/21/2008	0.42	10:47																	
Maximum	1.13		99	5	4.5	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065	89	3.8	6.5	< 0.065	< 0.065	< 0.065	< 0.065	< 0.065

Particle Size Distribution Summary

Particle Size Distribution Summary

Sample Location	Sample Date	Composite Samples			Grab Samples		
		Clay	Sand	Silt	Clay	Sand	Silt
Outfall 001	9/27/2008	0.6%	93.19%	6.76%	0%	96.49%	3.51%
	9/30/2008	0%	96.49%	3.51%	0%	89.9%	10.1%
Outfall 002	9/27/2008	—	—	—	0%	92.15%	7.85%
	9/30/2008	—	—	—	0%	96.84%	3.16%
Outfall 01A	9/27/2008	0.36%	76.5%	23.14%	2.72%	37.63%	59.65%
	9/30/2008	0%	99.33%	0.68%	0%	97.01%	2.99%