

a division of ADS LLC.

Site Name:	JC_JNI-I	Meter Type:	1502	Monitor S/N:	10061	Manhole #:	JNI-I
Address / Location:				Map Page #:		N/A	
19 Dyerville Avenue (Rick's Truck and Auto)				Pipe Height:		11 Inches	
Access:	Drive	Type of System:	Sanitary	Pipe Width:		11 Inches	
				Phone Number:		N/A	



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 18, 2008	10:34 AM	Manhole Depth:	8 Feet	5 Inches
Site Hydraulics:	GOOD, MODERATE FLOW		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	PVC	Good
Downstream Manhole:	N/A		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	4.5 +/-	0.25	Telephone Information:		
Range (Air Dof):	5 +/-	0.25	Access Pole #:	N/A	
Peak Velocity:	1.61	fps	Distance From Manhole:	N/A Feet	
Silt:	0	Inches	Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
 N 41 49' 37.6" W 71 28' 15.0"

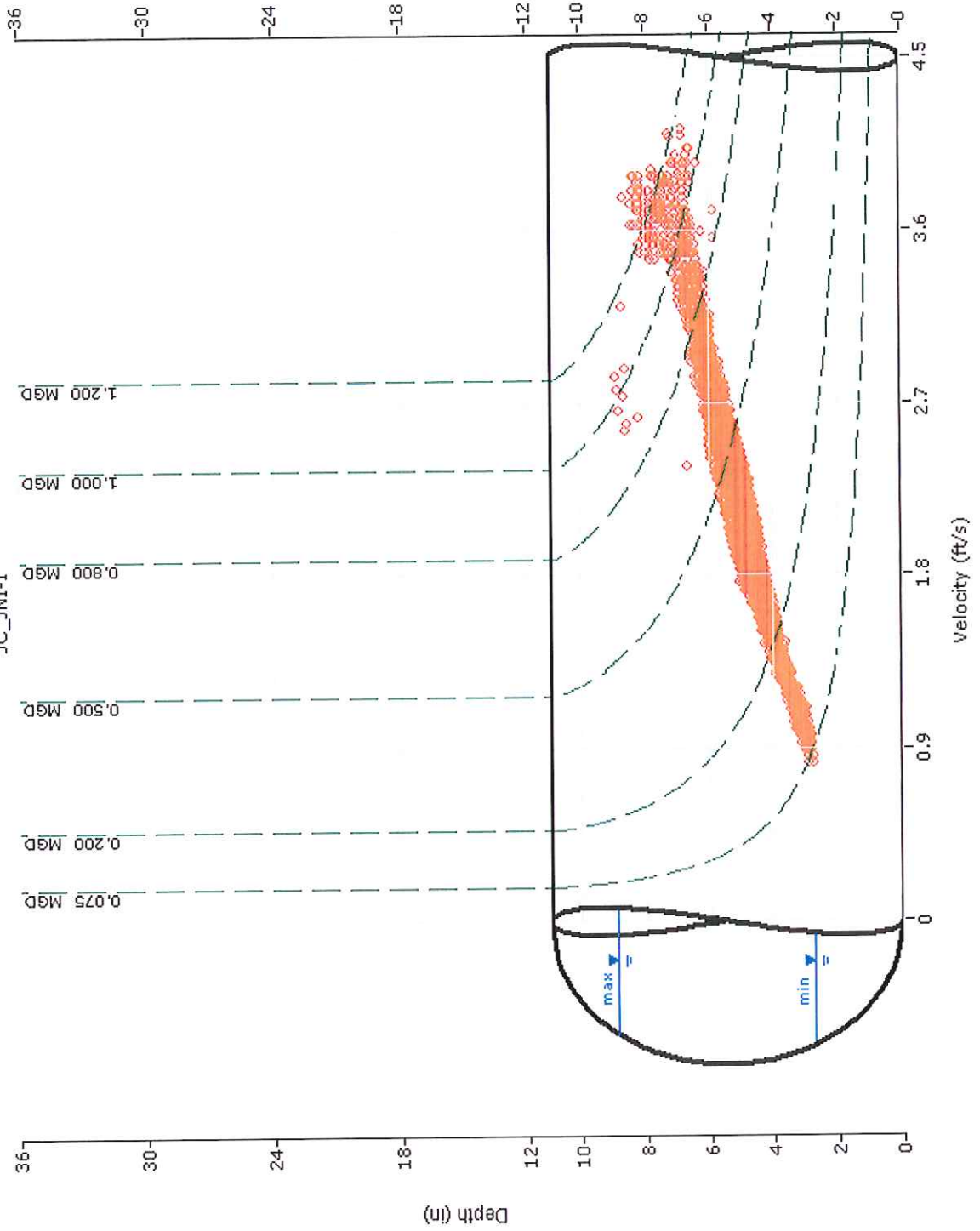


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-2	Other		x		

Additional Site Information / Comments:

PRESS SN 79020 PO 1.5 **GROUND WATER GAUGE**

SCATTERGRAPH REPORT
JC_JNI-I



Flow Monitor
JC_JNI-I

Nominal Diameter
10-in

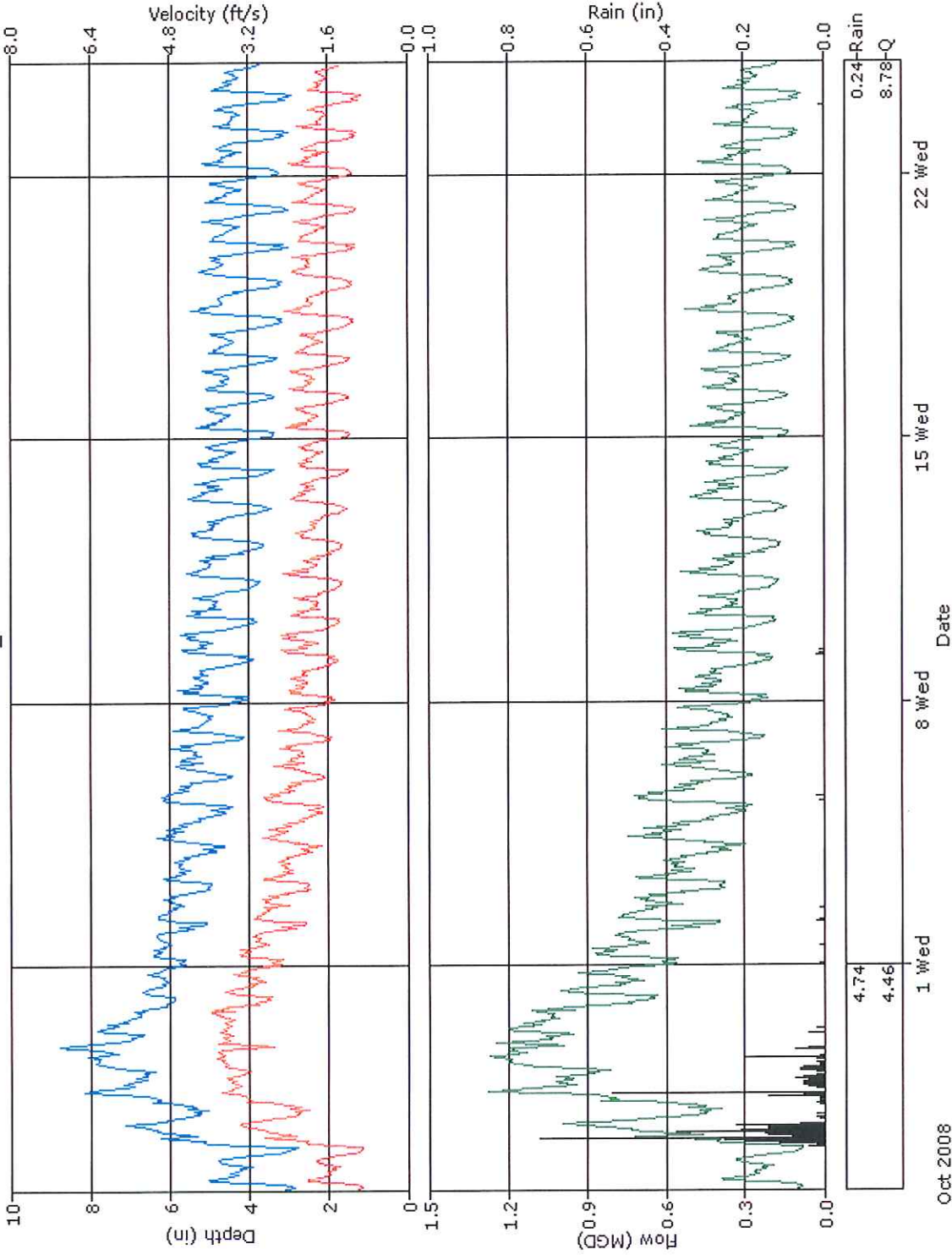
Report Period
9/25/2008
To
12/1/2008

Legend

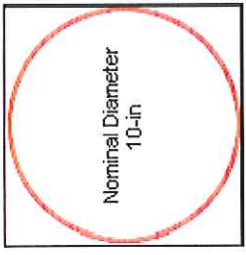
- Depth - Velocity
- - - Iso-Q™
- - - Silt
- ▾ Min-Max Depth

HYDROGRAPH REPORT

JC_JNI-I



Flow Monitor
JC_JNI-I



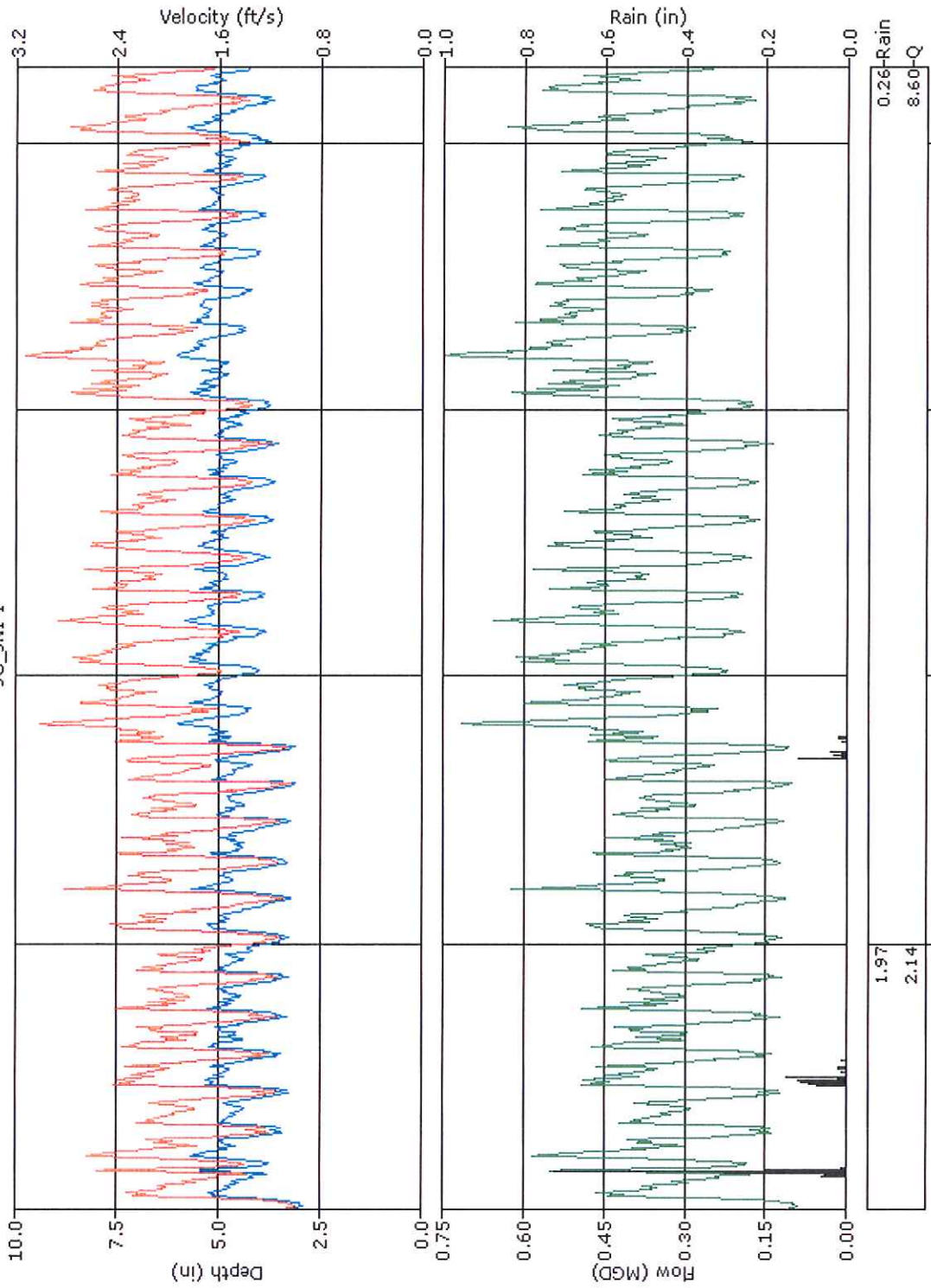
Report Period
9/25/2008
To
10/24/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JNI-I



Flow Monitor
JC_JNI-I



Report Period
10/25/2008
To
11/23/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



Nov 2008

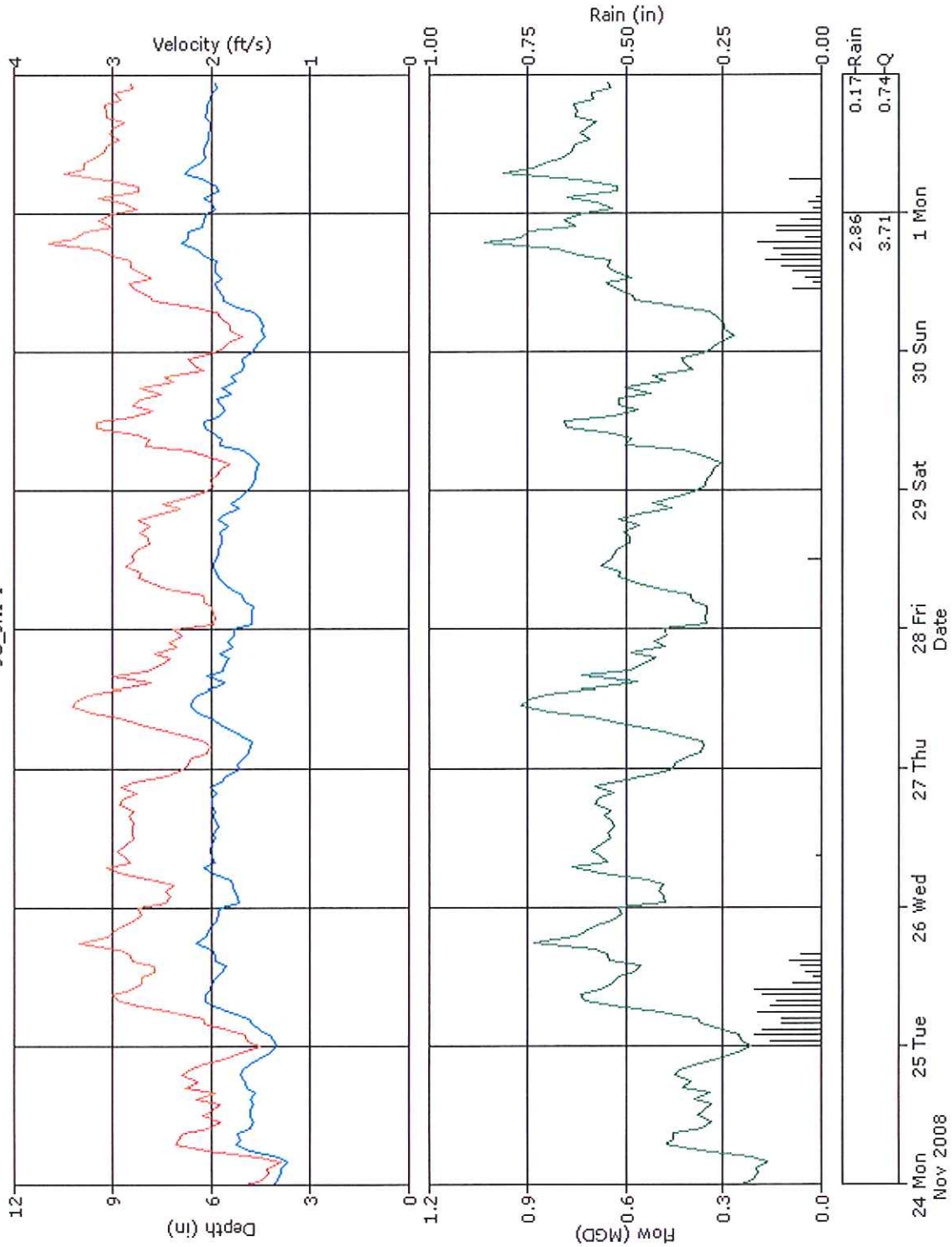
8 Sat
Date

15 Sat

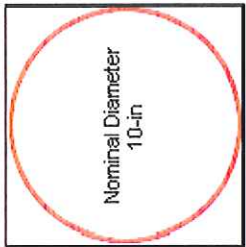
22 Sat

HYDROGRAPH REPORT

JC_JNI-1



Flow Monitor
JC_JNI-1



Report Period
11/24/2008
To
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JNI-I, Pipe Height: 10"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity						Rain
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008	03:15	2.83	08:30	5.36	4.11	03:00	0.83	08:30	2.27	1.51	03:00	0.074	08:30	0.467	0.232	0.232	
9/26/2008	04:30	2.73	19:00	7.73	5.18	04:30	0.83	19:00	3.60	2.25	04:30	0.068	19:00	1.152	0.504	0.504	2.91
9/27/2008	04:15	4.90	15:45	8.39	6.36	04:00	1.80	15:30	3.85	2.97	04:00	0.333	16:15	1.307	0.782	0.782	1.06
9/28/2008	05:30	6.31	21:15	8.88	7.50	21:45	2.56	20:00	3.92	3.54	05:30	0.793	20:15	1.361	1.093	1.093	0.71
9/29/2008	23:15	5.81	07:45	8.30	7.02	20:00	2.38	20:30	4.14	3.89	20:00	0.640	06:45	1.292	1.058	1.058	0.06
9/30/2008	23:45	5.75	19:15	7.04	6.21	03:45	2.70	10:30	3.91	3.17	23:45	0.609	19:15	1.113	0.792	0.792	
10/1/2008	03:00	5.31	07:15	6.65	6.06	05:15	2.27	10:00	3.57	2.96	05:15	0.477	07:15	0.952	0.718	0.718	0.10
10/2/2008	03:15	5.00	19:00	6.51	5.80	04:30	1.87	07:00	3.38	2.67	04:30	0.359	07:00	0.878	0.616	0.616	0.06
10/3/2008	02:45	4.67	08:15	6.58	5.54	02:45	1.80	08:15	3.16	2.40	02:45	0.310	08:15	0.842	0.521	0.521	
10/4/2008	05:00	4.51	10:15	6.65	5.49	05:30	1.66	10:15	3.14	2.36	05:00	0.279	10:15	0.846	0.509	0.509	
10/5/2008	05:45	4.22	10:45	6.43	5.37	05:45	1.62	10:45	3.17	2.27	05:45	0.244	10:45	0.820	0.482	0.482	0.03
10/6/2008	01:45	4.35	19:15	6.14	5.28	01:45	1.58	08:30	2.84	2.17	01:45	0.248	08:45	0.671	0.444	0.444	
10/7/2008	03:15	4.08	07:00	6.21	5.01	03:15	1.48	07:00	2.81	1.99	03:15	0.213	07:00	0.697	0.384	0.384	
10/8/2008	04:30	3.98	08:15	5.92	4.91	02:45	1.40	11:45	2.63	1.96	04:30	0.195	11:45	0.590	0.369	0.369	
10/9/2008	03:15	3.73	08:30	5.90	4.94	02:15	1.30	08:30	2.77	2.00	03:15	0.165	08:30	0.645	0.383	0.383	0.04
10/10/2008	03:15	3.59	07:15	5.76	4.74	04:45	1.26	07:15	2.67	1.84	04:45	0.154	07:15	0.603	0.331	0.331	
10/11/2008	04:45	3.50	10:15	5.67	4.65	02:45	1.22	10:15	2.60	1.80	04:45	0.143	10:15	0.576	0.319	0.319	
10/12/2008	04:45	3.41	12:45	5.72	4.56	06:00	1.26	12:00	2.52	1.77	06:00	0.146	12:45	0.565	0.305	0.305	
10/13/2008	04:30	3.33	10:00	5.78	4.57	05:30	1.08	10:00	2.68	1.82	05:30	0.118	10:00	0.607	0.317	0.317	
10/14/2008	04:15	3.26	06:45	5.48	4.47	04:45	1.12	06:45	2.41	1.81	04:15	0.122	06:45	0.512	0.306	0.306	
10/15/2008	03:30	3.20	07:45	5.65	4.45	03:15	1.08	08:45	2.56	1.84	03:30	0.111	07:45	0.556	0.310	0.310	
10/16/2008	04:00	3.24	07:45	5.56	4.40	02:00	1.12	20:30	2.59	1.85	03:30	0.118	20:30	0.551	0.306	0.306	
10/17/2008	04:00	3.14	07:00	5.44	4.31	04:00	1.08	07:00	2.48	1.77	04:00	0.108	07:00	0.523	0.284	0.284	
10/18/2008	03:15	3.04	10:45	5.77	4.28	02:45	1.01	10:45	2.77	1.72	02:45	0.097	10:45	0.628	0.280	0.280	
10/19/2008	04:30	3.02	12:00	5.57	4.27	04:15	0.97	12:00	2.70	1.75	04:15	0.093	12:00	0.585	0.284	0.284	
10/20/2008	04:15	2.82	07:45	5.45	4.25	03:45	0.97	09:00	2.56	1.74	04:15	0.084	09:00	0.523	0.280	0.280	
10/21/2008	02:30	2.91	20:00	5.36	4.23	03:15	0.97	20:00	2.45	1.72	02:30	0.091	20:00	0.505	0.273	0.273	
10/22/2008	04:30	2.96	08:00	5.56	4.26	04:00	0.97	08:00	2.66	1.75	04:30	0.090	08:00	0.576	0.280	0.280	
10/23/2008	02:45	2.86	18:45	5.22	4.14	02:15	0.97	08:00	2.34	1.62	03:45	0.086	18:45	0.460	0.249	0.249	0.01
10/24/2008	03:30	2.83	07:15	5.53	4.06	03:30	0.90	07:15	2.48	1.54	03:30	0.078	07:15	0.534	0.232	0.232	
10/25/2008	03:15	2.80	12:30	5.42	4.13	02:45	0.90	11:45	2.59	1.63	04:15	0.078	11:45	0.540	0.258	0.258	0.11
10/26/2008	06:45	3.46	01:45	6.39	4.72	06:45	1.19	01:45	3.38	1.98	06:45	0.137	01:45	0.871	0.359	0.359	1.23
10/27/2008	02:30	3.27	19:15	5.40	4.37	04:15	1.08	19:15	2.63	1.80	04:15	0.115	19:15	0.548	0.295	0.295	
10/28/2008	04:30	3.19	10:45	5.78	4.54	04:30	1.04	10:45	2.79	1.91	04:30	0.107	10:45	0.633	0.334	0.334	0.63
10/29/2008	01:45	3.38	13:00	5.93	4.52	02:30	1.15	13:00	2.74	1.85	02:30	0.128	13:00	0.641	0.315	0.315	
10/30/2008	02:30	3.23	11:45	6.18	4.45	02:15	1.08	11:45	3.02	1.82	02:15	0.120	11:45	0.747	0.306	0.306	
10/31/2008	04:30	3.22	07:30	5.39	4.31	04:00	1.01	07:15	2.41	1.73	04:30	0.109	07:30	0.494	0.277	0.277	
11/1/2008	04:45	3.19	11:15	5.71	4.40	04:15	1.04	11:15	2.81	1.82	04:15	0.111	11:15	0.628	0.307	0.307	
11/2/2008	05:15	3.18	11:30	5.87	4.45	04:30	1.01	11:30	2.88	1.89	04:30	0.104	11:30	0.666	0.323	0.323	
11/3/2008	05:15	3.01	09:00	5.56	4.32	05:15	0.97	19:30	2.70	1.80	05:15	0.092	19:30	0.583	0.292	0.292	
11/4/2008	05:15	3.17	11:15	5.43	4.34	04:45	1.01	10:15	2.56	1.81	04:45	0.104	10:30	0.516	0.294	0.294	
11/5/2008	05:45	3.06	08:30	5.39	4.32	05:00	0.97	19:45	2.59	1.79	05:00	0.098	19:00	0.523	0.292	0.292	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	05:15	3.07	19:30	6.06	4.67	02:30	1.01	19:30	3.10	2.04	05:15	0.101	19:30	0.746	0.378	0.378	0.10
11/7/2008	04:00	4.07	09:30	5.82	4.93	03:45	1.51	08:00	2.84	2.22	03:45	0.219	08:00	0.651	0.418	0.418	
11/8/2008	04:30	3.86	09:45	5.90	4.92	03:15	1.48	09:45	2.99	2.18	03:15	0.201	09:45	0.696	0.414	0.414	
11/9/2008	05:00	3.78	11:15	6.04	4.87	04:15	1.37	11:15	3.10	2.14	05:00	0.177	11:15	0.743	0.403	0.403	
11/10/2008	02:45	3.70	19:00	6.05	4.76	03:15	1.30	19:00	3.17	2.07	03:15	0.163	19:00	0.761	0.377	0.377	
11/11/2008	03:30	3.66	12:00	5.89	4.73	02:30	1.30	12:00	2.92	2.05	04:30	0.164	12:00	0.679	0.371	0.371	
11/12/2008	02:15	3.58	08:15	5.93	4.62	02:15	1.26	08:15	2.84	1.97	02:15	0.152	08:15	0.666	0.346	0.346	
11/13/2008	05:00	3.44	10:45	5.69	4.58	02:00	1.19	10:45	2.75	1.95	05:00	0.140	10:45	0.612	0.339	0.339	
11/14/2008	03:45	3.41	18:45	5.65	4.51	03:30	1.11	17:45	2.66	1.91	03:45	0.126	18:45	0.564	0.326	0.326	
11/15/2008	02:00	3.55	11:00	6.11	4.83	03:30	1.21	11:00	3.06	2.10	03:30	0.148	11:00	0.745	0.396	0.396	
11/16/2008	06:15	4.53	11:00	6.16	5.39	05:15	1.80	10:30	3.18	2.53	06:15	0.298	10:30	0.774	0.533	0.533	
11/17/2008	03:15	4.15	21:00	5.84	5.12	02:30	1.62	12:15	2.92	2.34	02:30	0.242	12:15	0.662	0.463	0.463	
11/18/2008	04:00	4.12	08:30	5.85	5.00	02:15	1.51	07:45	2.92	2.25	03:45	0.222	08:30	0.644	0.431	0.431	
11/19/2008	02:30	3.87	19:45	5.82	4.87	02:15	1.37	08:15	2.84	2.17	02:15	0.185	19:45	0.652	0.406	0.406	
11/20/2008	04:15	3.78	07:45	5.80	4.82	02:00	1.37	07:45	2.99	2.13	04:15	0.177	07:45	0.681	0.393	0.393	
11/21/2008	03:45	3.67	08:30	5.73	4.65	03:00	1.30	08:30	2.81	2.02	03:45	0.162	08:30	0.630	0.355	0.355	
11/22/2008	02:30	3.53	11:30	6.04	4.75	02:30	1.26	11:30	3.02	2.07	02:30	0.149	11:30	0.726	0.380	0.380	
11/23/2008	06:30	3.64	12:00	6.04	4.71	04:30	1.26	10:30	2.92	2.02	04:30	0.156	10:30	0.677	0.367	0.367	
11/24/2008	04:30	3.61	07:30	5.62	4.61	02:30	1.30	07:30	2.59	1.94	04:30	0.158	07:30	0.568	0.338	0.338	
11/25/2008	00:45	3.76	18:00	7.22	5.55	00:45	1.30	18:00	4.11	2.56	00:45	0.167	18:00	1.221	0.571	0.571	1.69
11/26/2008	02:45	4.94	07:15	6.41	5.77	23:15	2.23	07:15	3.22	2.75	02:45	0.421	07:15	0.830	0.626	0.626	0.01
11/27/2008	05:15	4.54	11:45	6.80	5.59	04:30	1.80	11:45	3.56	2.59	04:30	0.310	11:45	0.986	0.577	0.577	
11/28/2008	03:30	4.54	12:00	6.09	5.41	02:15	1.76	16:00	3.06	2.48	02:15	0.301	16:00	0.737	0.521	0.521	0.03
11/29/2008	04:30	4.33	12:15	6.30	5.30	03:45	1.69	12:15	3.28	2.41	04:30	0.275	12:15	0.828	0.501	0.501	
11/30/2008	05:15	4.20	19:45	6.98	5.55	04:30	1.55	19:45	3.82	2.56	05:15	0.231	19:45	1.090	0.576	0.576	1.13
12/1/2008	04:00	5.63	07:30	7.20	6.11	04:30	2.59	07:30	4.10	3.01	04:30	0.591	07:30	1.212	0.736	0.736	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			28.434	10.24
Report Avg	4.91	2.13	0.418	

Site Commentary

Site Information

JC_JNI-J	
Pipe Dimensions	Circular (8.00 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JNI-J indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	1.77	6.40	0.250
Minimum	1.02	2.92	0.051
Maximum	3.71	9.00	0.871
Time of Minimum	9/25/2008 3:00 AM	9/26/2008 3:00 AM	9/26/2008 4:45 AM
Time of Maximum	9/28/2008 8:15 PM	9/28/2008 6:00 AM	9/28/2008 8:15 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

a division of ADS LLC.

Site Name:	JC_JNI-J	Meter Type:	1502	Monitor S/N:	9233	Manhole #:	JNI-J
Address / Location:	95 Borden Avenue at Able Avenue			Map Page #:	N/A		
	***NEED DETAIL WITH CRUISER**			Pipe Height:	8 Inches		
Access:	Drive	Type of System:	Sanitary	Pipe Width:	8 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 23, 2008	2:59 PM	Manhole Depth:	5 Feet	
Site Hydraulics:	GOOD, LOW FAST FLOW		Manhole Material / Condition:	Brick	Fair
			Active Drop Connections?		
Upstream Input: (L/S, P/S)	N/A		Pipe Material / Condition:	ACP	Good
Upstream Manhole:	PITCHED		Mini System Character:	Residential	
Downstream Manhole:	GOOD, LOW FAST FLOW		Telephone Information:		
Depth of Flow (Wet Dof):	1.3 +/-	0.38	Access Pole #:	N/A	
Range (Air Dof):	5.25 +/-	0.38	Distance From Manhole:	N/A Feet	
Peak Velocity:	4.7	fps	Road Cut Length:	N/A Feet	
Silt:	0	Inches	Trench Length:	N/A Feet	

Other Information:

N 41 49' 32.7" W 71 28' 32.1"

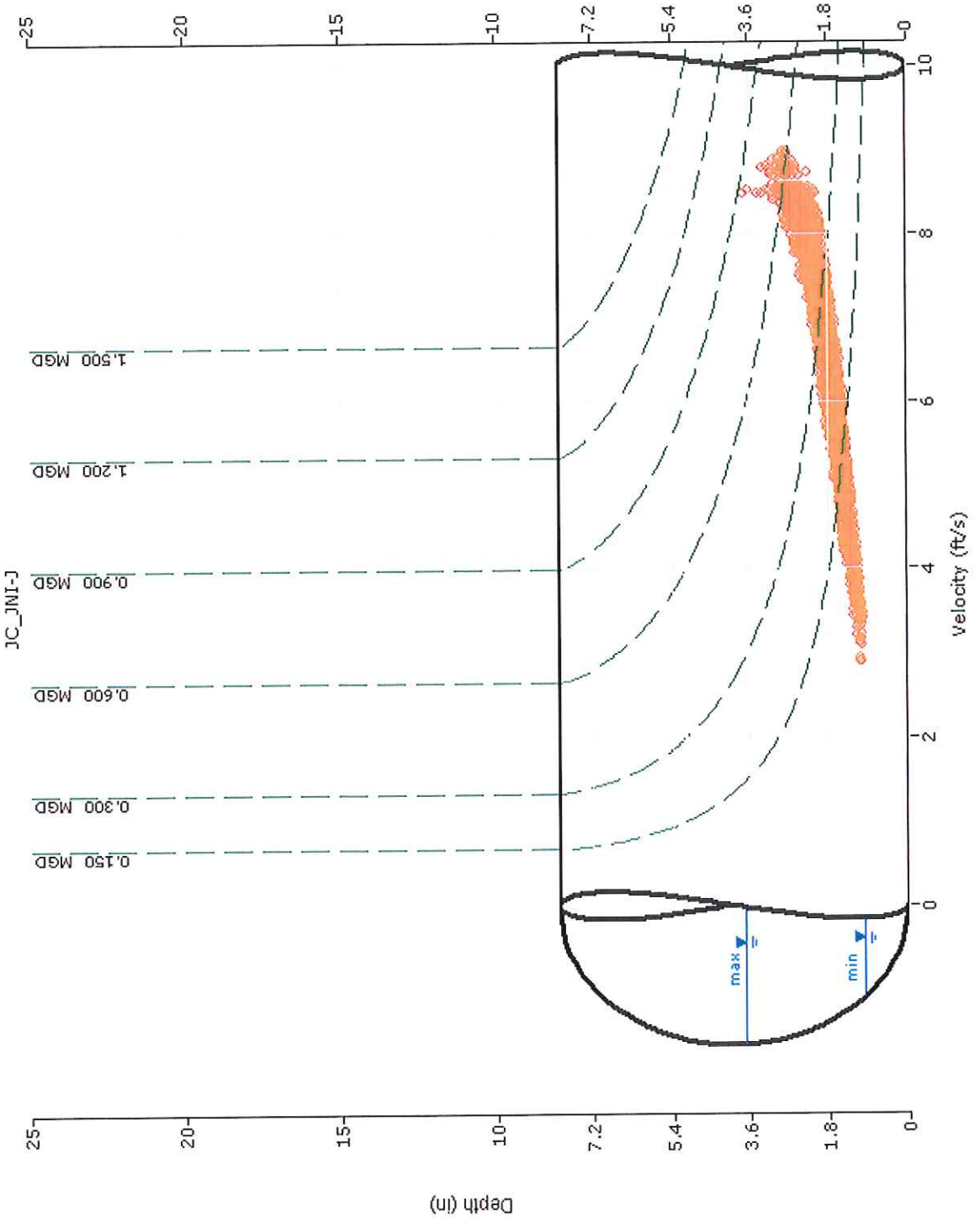


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	2 Feet	WWTP		x		
Rain Gauge Zone:	RG-2	Other		x		

Additional Site Information / Comments:

PRESS SN 79057 PO 1.75

SCATTERGRAPH REPORT



Flow Monitor
JC_JNI-J

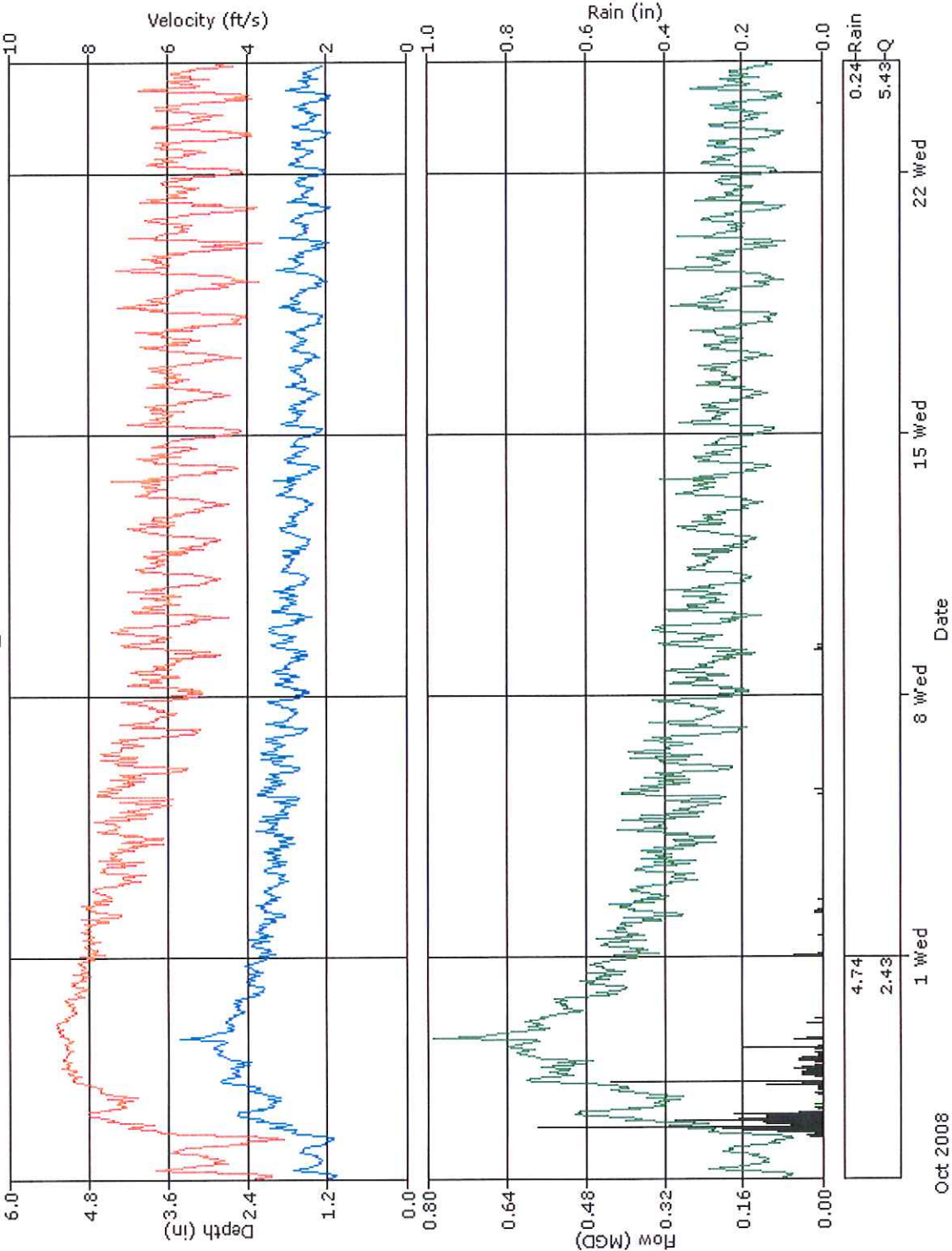
Nominal Diameter
8-in

Report Period
9/25/2008
To
12/1/2008

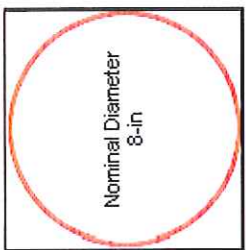
- Legend**
- Depth - Velocity
 - ISO-Q™
 - Silt
 - ▼ Min-Max Depth

HYDROGRAPH REPORT

JC_JNI-J



Flow Monitor
JC_JNI-J



Report Period
9/25/2008
To
10/24/2008

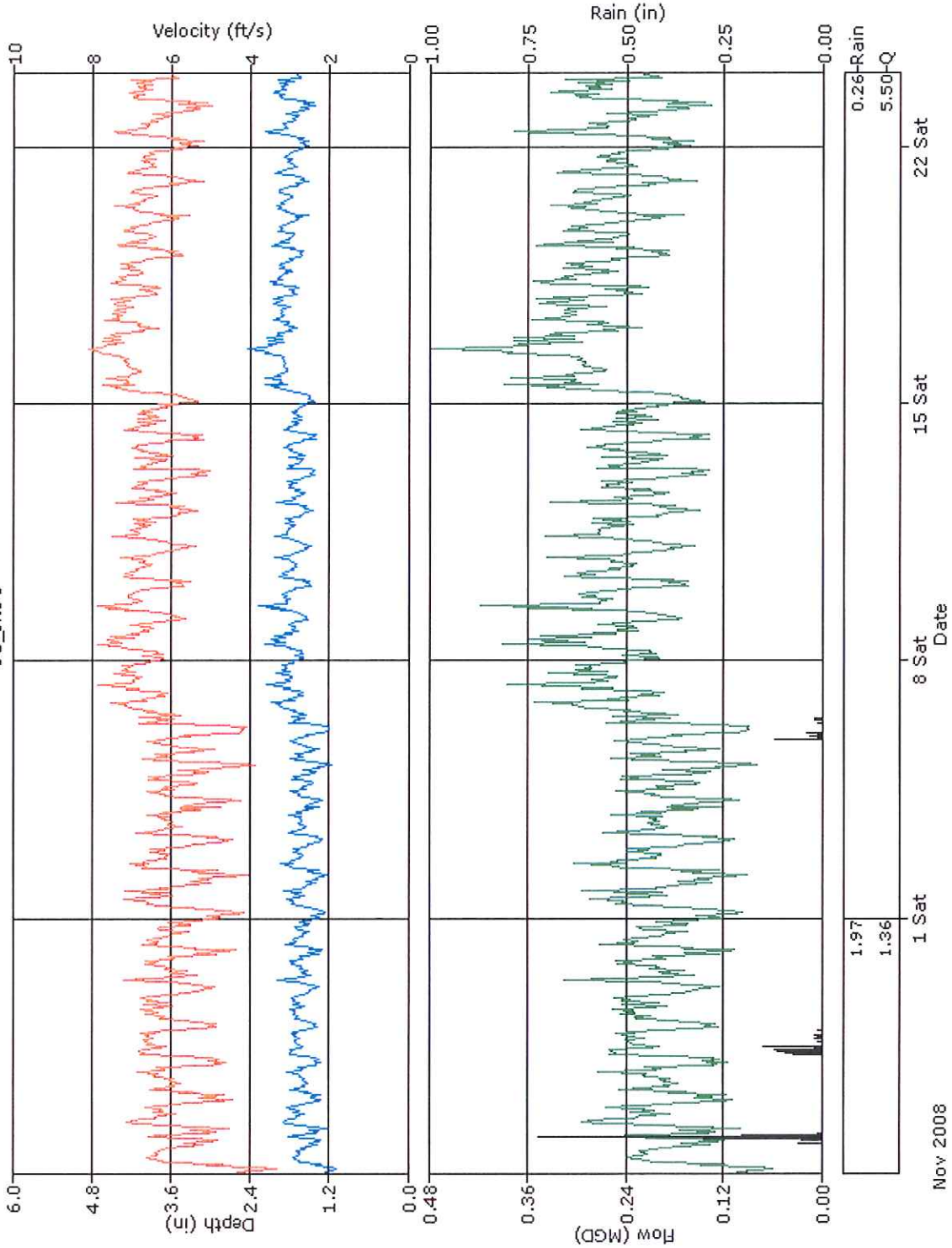
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JNI-J



Flow Monitor
JC_JNI-J



Report Period
10/25/2008
To
11/23/2008

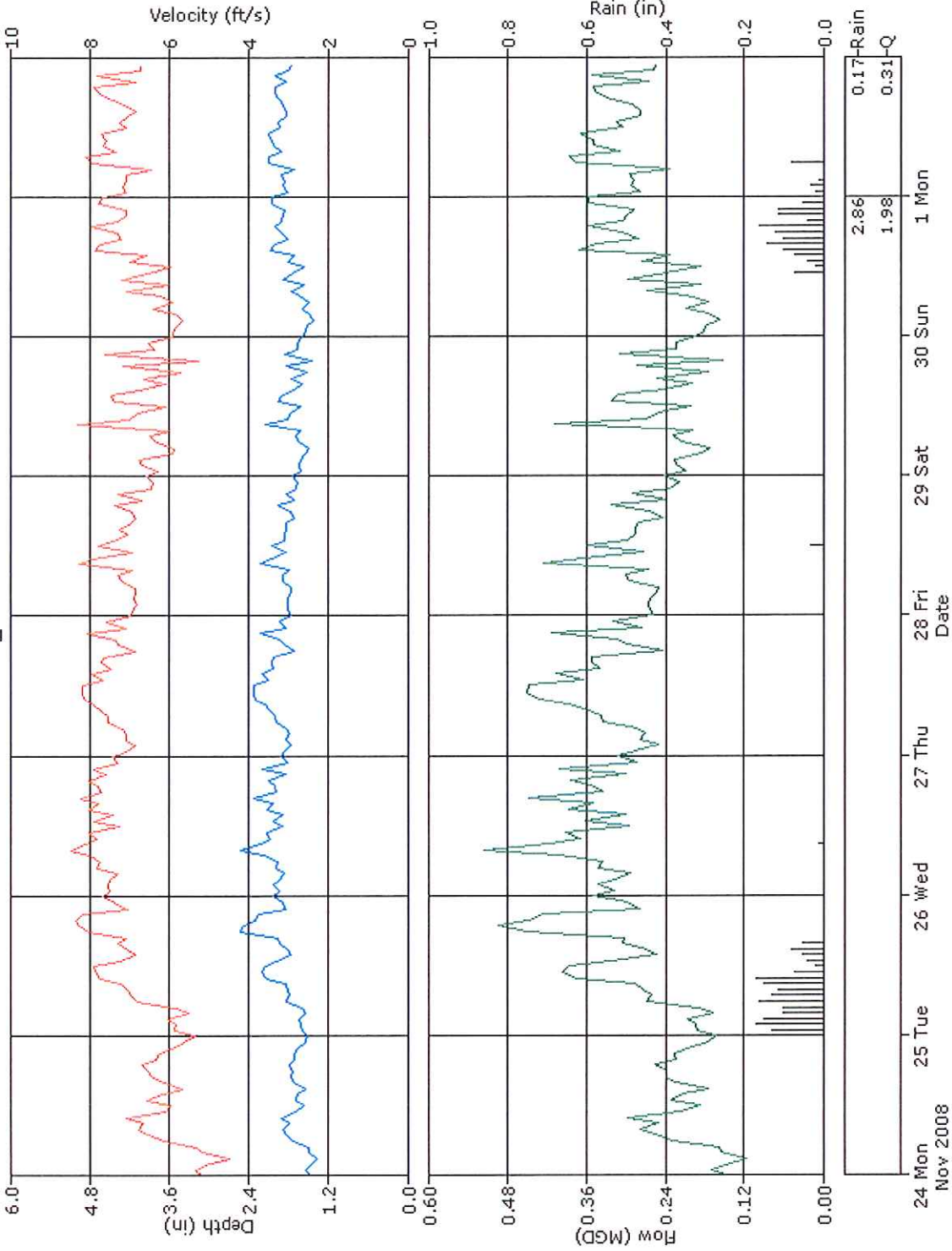
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JNI-J



Flow Monitor
JC_JNI-J



Report Period
11/24/2008
To
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JNI-J, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008	03:00	1.02	07:30	2.07	1.38	03:15	3.17	07:30	6.98	4.94	03:15	0.055	07:30	0.322	0.134	0.134	
9/26/2008	01:00	1.04	18:45	2.79	1.88	03:00	2.92	19:00	8.42	6.30	04:45	0.051	19:00	0.578	0.283	0.283	2.91
9/27/2008	06:00	1.86	15:30	3.26	2.34	06:00	6.52	15:30	8.81	7.77	06:00	0.260	15:30	0.761	0.434	0.434	1.06
9/28/2008	03:45	2.33	20:15	3.71	2.78	00:15	8.17	06:00	9.00	8.53	05:30	0.455	20:15	0.871	0.595	0.595	0.71
9/29/2008	23:00	2.20	00:45	2.91	2.60	23:00	7.34	05:30	9.00	8.53	23:00	0.370	06:45	0.660	0.544	0.544	0.06
9/30/2008	04:15	1.94	08:30	2.75	2.29	04:15	7.09	01:00	8.82	8.17	04:15	0.299	08:30	0.598	0.438	0.438	
10/1/2008	23:45	1.85	17:30	2.55	2.18	02:45	7.24	00:45	8.57	7.95	23:45	0.289	17:30	0.525	0.398	0.398	0.10
10/2/2008	23:15	1.79	08:00	2.47	2.06	16:00	6.59	09:45	8.57	7.66	16:00	0.254	08:00	0.498	0.356	0.356	0.06
10/3/2008	02:45	1.86	20:30	2.38	1.98	22:00	6.37	07:00	8.32	7.23	02:45	0.229	07:00	0.466	0.317	0.317	
10/4/2008	01:00	1.85	10:00	2.56	1.96	01:45	5.94	10:00	8.51	7.06	05:15	0.207	10:00	0.531	0.307	0.307	
10/5/2008	05:30	1.57	10:30	2.44	1.95	23:30	5.47	10:30	8.17	6.90	05:15	0.183	10:30	0.477	0.298	0.298	0.03
10/6/2008	00:45	1.55	12:30	2.30	1.94	02:00	5.29	19:00	8.03	6.86	00:45	0.172	12:30	0.423	0.295	0.295	
10/7/2008	03:45	1.49	07:00	2.50	1.79	02:00	5.00	07:00	8.41	6.21	03:30	0.149	07:00	0.506	0.239	0.239	
10/8/2008	02:00	1.42	07:45	2.23	1.76	00:45	5.00	16:00	7.27	6.04	02:00	0.136	07:45	0.373	0.225	0.225	
10/9/2008	03:15	1.46	09:00	2.22	1.81	01:30	4.43	17:00	7.60	6.18	03:00	0.127	18:45	0.385	0.243	0.243	0.04
10/10/2008	03:00	1.34	19:15	2.18	1.75	03:00	4.36	15:45	7.34	5.99	03:00	0.109	19:15	0.364	0.225	0.225	
10/11/2008	03:45	1.35	08:00	2.10	1.69	04:00	4.07	08:15	7.38	5.84	04:00	0.104	08:00	0.331	0.207	0.207	
10/12/2008	02:00	1.32	11:45	2.12	1.67	05:00	4.21	17:00	7.63	5.86	02:00	0.108	17:00	0.355	0.205	0.205	
10/13/2008	04:00	1.35	09:45	2.15	1.68	03:30	4.18	17:15	7.67	5.92	03:30	0.108	17:15	0.373	0.209	0.209	
10/14/2008	03:00	1.23	06:30	2.09	1.60	03:15	3.89	06:30	7.60	5.65	04:00	0.088	06:30	0.357	0.186	0.186	
10/15/2008	04:45	1.18	07:30	2.08	1.58	03:15	3.85	07:30	7.52	5.66	04:45	0.084	07:30	0.350	0.184	0.184	
10/16/2008	04:30	1.22	20:15	2.14	1.57	04:30	3.83	20:15	7.70	5.66	04:30	0.083	20:15	0.374	0.183	0.183	
10/17/2008	04:30	1.18	06:45	2.06	1.57	04:30	3.64	11:00	7.52	5.62	04:30	0.075	06:45	0.333	0.182	0.182	
10/18/2008	03:00	1.16	08:45	2.07	1.55	02:45	3.53	07:45	7.67	5.61	03:00	0.072	12:15	0.356	0.181	0.181	
10/19/2008	03:30	1.14	11:45	2.08	1.54	03:30	3.46	09:15	7.96	5.60	03:30	0.068	09:15	0.367	0.178	0.178	
10/20/2008	03:30	1.09	07:30	2.06	1.53	03:30	3.13	19:30	7.60	5.58	03:30	0.057	07:30	0.348	0.177	0.177	
10/21/2008	01:45	1.05	11:15	2.00	1.49	03:15	3.49	06:45	7.34	5.48	01:45	0.063	06:45	0.323	0.167	0.167	
10/22/2008	01:45	1.08	08:30	2.07	1.51	04:45	3.49	08:30	7.52	5.45	01:45	0.066	08:30	0.347	0.168	0.168	
10/23/2008	03:45	1.05	20:00	1.91	1.44	01:30	3.46	18:30	7.45	5.23	03:45	0.061	18:30	0.306	0.150	0.150	0.01
10/24/2008	03:45	1.07	07:00	2.20	1.42	01:30	3.62	07:00	7.67	5.20	03:45	0.065	07:00	0.386	0.146	0.146	
10/25/2008	02:45	1.02	15:30	2.02	1.46	04:00	3.13	15:30	7.42	5.36	04:00	0.056	15:30	0.332	0.160	0.160	0.11
10/26/2008	06:00	1.16	01:30	2.23	1.64	05:15	4.07	20:15	7.79	6.08	05:15	0.085	01:30	0.392	0.210	0.210	1.23
10/27/2008	04:30	1.25	07:00	2.14	1.57	01:00	4.21	19:00	7.63	5.84	01:00	0.098	07:00	0.364	0.189	0.189	
10/28/2008	01:45	1.22	10:30	2.11	1.63	00:00	4.03	08:30	7.74	6.08	01:45	0.091	10:30	0.360	0.207	0.207	0.63
10/29/2008	07:45	1.23	14:45	2.04	1.63	07:45	4.22	12:45	7.61	6.04	07:45	0.093	12:45	0.344	0.205	0.205	
10/30/2008	09:00	1.18	07:30	2.22	1.62	09:00	3.89	07:30	7.70	5.93	09:00	0.081	07:30	0.394	0.199	0.199	
10/31/2008	03:30	1.27	07:15	2.16	1.58	03:30	4.25	07:15	7.70	5.78	03:30	0.098	07:15	0.378	0.188	0.188	
11/1/2008	04:30	1.21	18:45	2.15	1.57	04:00	4.10	18:45	7.96	5.81	04:30	0.089	18:45	0.390	0.188	0.188	
11/2/2008	04:45	1.12	11:15	2.26	1.60	04:45	3.62	09:45	7.74	5.92	04:45	0.070	11:15	0.406	0.199	0.199	
11/3/2008	04:00	1.17	19:15	2.14	1.57	03:30	3.92	19:15	7.67	5.75	03:30	0.083	19:15	0.371	0.187	0.187	
11/4/2008	03:15	1.24	19:15	2.09	1.56	05:00	3.92	19:15	7.74	5.74	05:00	0.090	19:15	0.364	0.184	0.184	
11/5/2008	04:15	1.15	08:15	2.03	1.54	04:45	3.74	18:45	7.63	5.63	04:15	0.078	08:15	0.335	0.179	0.179	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	03:45	1.14	21:30	2.27	1.64	05:00	3.82	23:00	7.92	5.99	05:00	0.077	23:00	0.412	0.210	0.210	0.10
11/7/2008	03:30	1.48	17:00	2.27	1.81	03:30	5.47	08:30	7.96	6.87	03:30	0.157	08:30	0.418	0.267	0.267	
11/8/2008	04:45	1.42	12:45	2.33	1.80	04:45	5.54	13:15	8.03	6.87	04:45	0.150	13:00	0.426	0.265	0.265	
11/9/2008	04:30	1.46	12:00	2.40	1.80	04:30	5.36	09:30	8.03	6.72	04:30	0.150	12:00	0.452	0.260	0.260	
11/10/2008	03:30	1.45	07:45	2.27	1.73	02:00	5.33	19:00	8.03	6.52	05:00	0.149	19:00	0.422	0.240	0.240	
11/11/2008	03:45	1.40	11:00	2.18	1.74	03:45	4.86	18:45	7.96	6.46	03:45	0.129	18:45	0.395	0.238	0.238	
11/12/2008	01:15	1.38	07:30	2.17	1.69	03:45	4.90	07:30	8.03	6.34	02:30	0.132	07:30	0.398	0.224	0.224	
11/13/2008	03:30	1.31	21:30	2.10	1.67	02:45	4.50	19:15	7.85	6.25	02:45	0.113	19:15	0.365	0.218	0.218	
11/14/2008	01:30	1.34	07:00	2.11	1.66	02:45	4.75	07:00	7.85	6.34	01:30	0.121	07:00	0.373	0.220	0.220	
11/15/2008	05:15	1.28	19:00	2.35	1.81	02:15	4.61	17:45	8.03	6.70	05:15	0.108	17:45	0.442	0.265	0.265	
11/16/2008	02:30	1.70	12:45	2.62	2.02	02:30	6.55	12:45	8.36	7.42	02:30	0.229	12:45	0.537	0.334	0.334	
11/17/2008	04:30	1.56	07:45	2.35	1.91	04:30	5.94	10:00	8.24	7.12	04:30	0.184	07:45	0.443	0.297	0.297	
11/18/2008	04:45	1.61	08:45	2.37	1.87	05:00	5.80	20:00	8.03	6.89	05:00	0.189	08:45	0.437	0.280	0.280	
11/19/2008	03:15	1.47	07:30	2.43	1.82	02:45	5.40	08:45	8.03	6.81	03:15	0.153	07:30	0.454	0.261	0.261	
11/20/2008	03:15	1.47	20:45	2.26	1.83	02:15	5.29	10:45	7.81	6.57	02:15	0.152	18:15	0.394	0.260	0.260	
11/21/2008	02:45	1.47	07:45	2.35	1.77	03:15	4.86	08:45	7.70	6.37	02:45	0.144	07:45	0.420	0.241	0.241	
11/22/2008	01:45	1.44	09:00	2.51	1.78	02:45	4.93	10:30	8.35	6.33	02:45	0.138	10:30	0.483	0.243	0.243	
11/23/2008	03:00	1.28	13:45	2.30	1.77	03:00	4.28	15:00	7.74	6.24	03:00	0.100	12:30	0.402	0.239	0.239	
11/24/2008	03:45	1.32	08:00	2.19	1.66	03:30	4.28	08:00	7.78	6.00	03:45	0.105	08:00	0.391	0.209	0.209	
11/25/2008	00:45	1.43	18:00	2.87	1.92	03:30	4.93	20:30	8.53	7.03	00:45	0.137	19:15	0.526	0.300	0.300	1.69
11/26/2008	12:15	1.65	08:45	2.57	2.05	12:15	6.37	08:45	8.71	7.77	12:15	0.215	08:45	0.544	0.358	0.358	0.01
11/27/2008	19:00	1.53	07:45	2.44	2.01	19:00	5.63	11:00	8.50	7.52	19:00	0.170	07:45	0.492	0.338	0.338	
11/28/2008	22:30	1.41	09:15	2.32	1.85	22:30	5.07	12:45	8.53	7.10	22:30	0.136	12:45	0.462	0.284	0.284	0.03
11/29/2008	20:00	1.26	09:00	2.29	1.71	20:00	4.26	09:45	8.46	6.58	20:00	0.097	09:00	0.444	0.239	0.239	
11/30/2008	03:15	1.32	15:15	2.22	1.75	03:15	4.59	19:15	8.50	6.72	03:15	0.112	15:15	0.429	0.253	0.253	1.13
12/1/2008	15:45	1.44	11:15	2.37	1.93	15:45	5.19	07:15	8.75	7.31	15:45	0.143	00:15	0.464	0.314	0.311	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			17.002	10.24
Report Avg	1.77	6.40	0.250	

Site Commentary

Site Information

JC_JNI-K	
Pipe Dimensions	Circular (11.50 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JNI-K indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	3.46	1.65	0.200
Minimum	2.46	1.15	0.086
Maximum	5.15	2.20	0.444
Time of Minimum	9/26/2008 5:15 AM	9/26/2008 5:00 AM	9/26/2008 5:00 AM
Time of Maximum	9/28/2008 6:00 PM	9/28/2008 10:45 AM	9/28/2008 6:00 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

a division of ADS LLC.

Site Name:	JC_JNI-K	Meter Type:	1502	Monitor S/N:	8845	Manhole #:	JNI-K
Address / Location:	394 Greenville Avenue **NEED DETAIL WITH CRUISER**			Map Page #:	N/A		
				Pipe Height:	11.5 Inches		
Access:	Drive	Type of System:	Sanitary	Pipe Width:	11.5 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 24, 2008	11:45 AM	Manhole Depth:	17 Feet	4 Inches
Site Hydraulics:	GOOD, SMOOTH FLOW		Manhole Material / Condition:	Precast	Good
Upstream Input (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	PVC	Good
Downstream Manhole:	N/A		Mini System Character:	Residential	
Depth of Flow (Wet Dof):	3 +/- 0.25		Telephone Information:		
Range (Air Dof):	7.25 +/- 0.25		Access Pole #:	N/A	
Peak Velocity:	1.92 fps		Distance From Manhole:	N/A Feet	
Silt:	0 Inches		Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
 N 41 50' 32.7" W 71 29' 32.0"

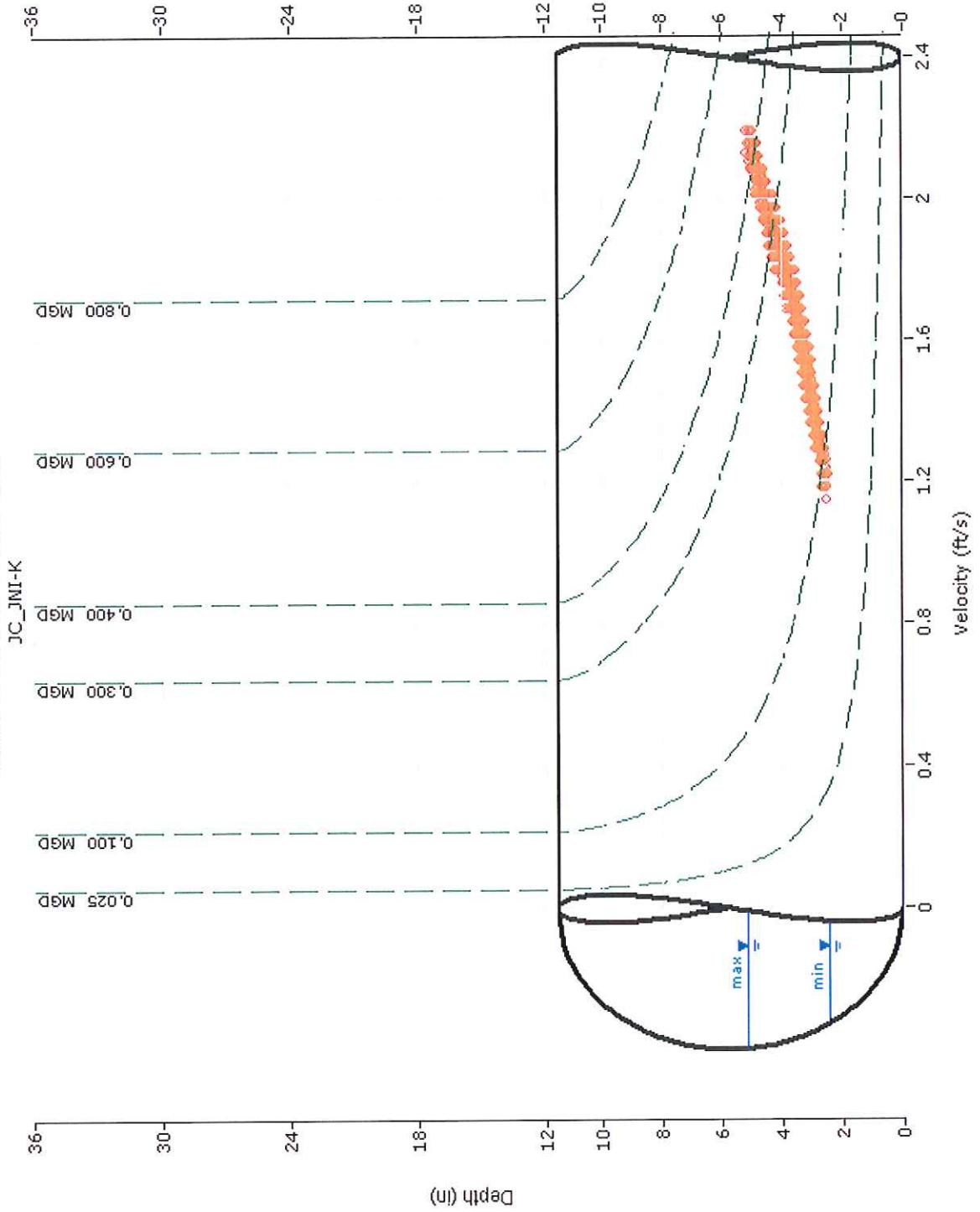


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-2	Other		x		

Additional Site Information / Comments:

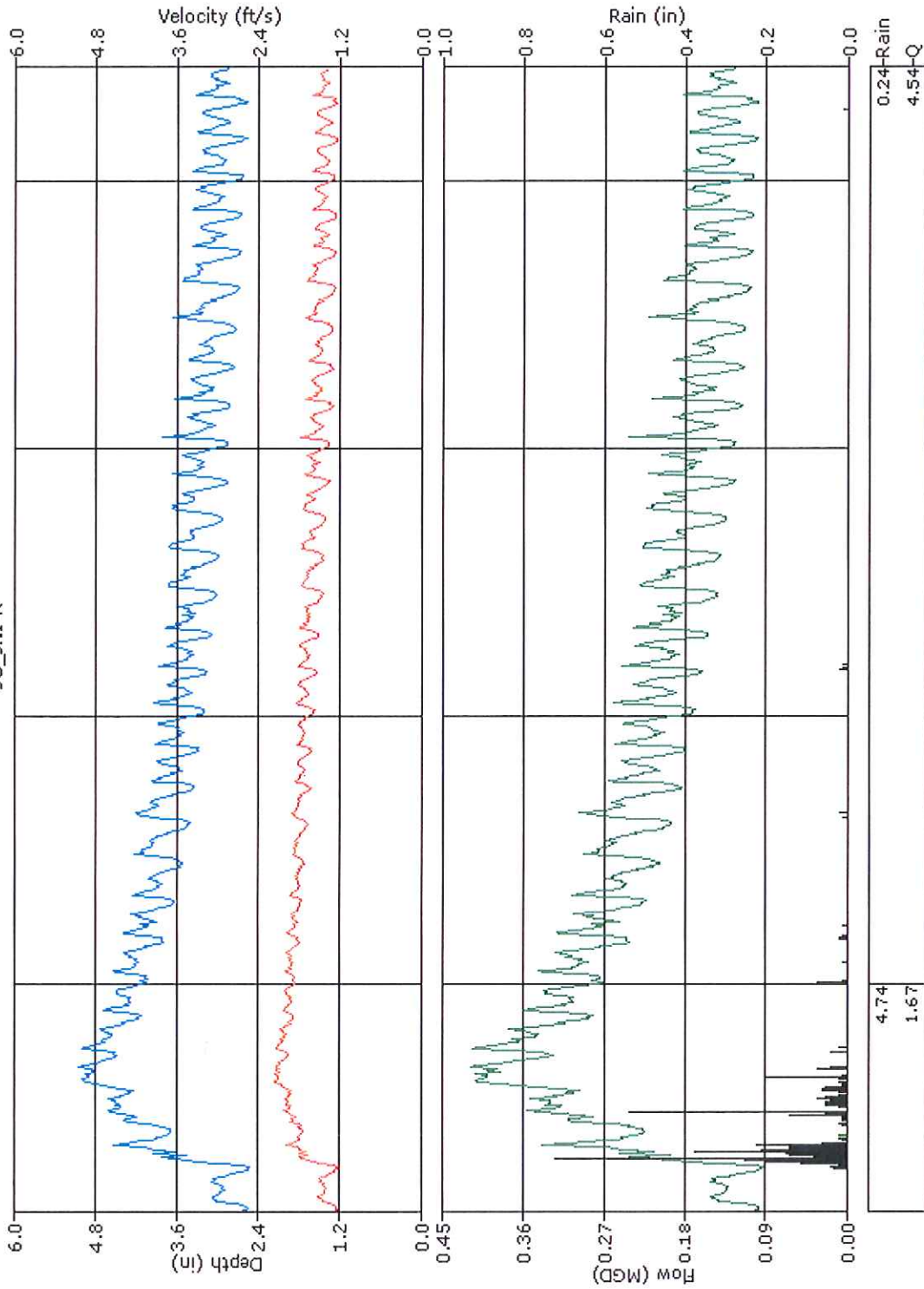
PRESS SN 79974 PO 1.25 **GROUND WATER GAUGE**

SCATTERGRAPH REPORT



HYDROGRAPH REPORT

JC_JNI-K



Flow Monitor
JC_JNI-K

Nominal Diameter
12-in

Report Period
9/25/2008
To
10/24/2008

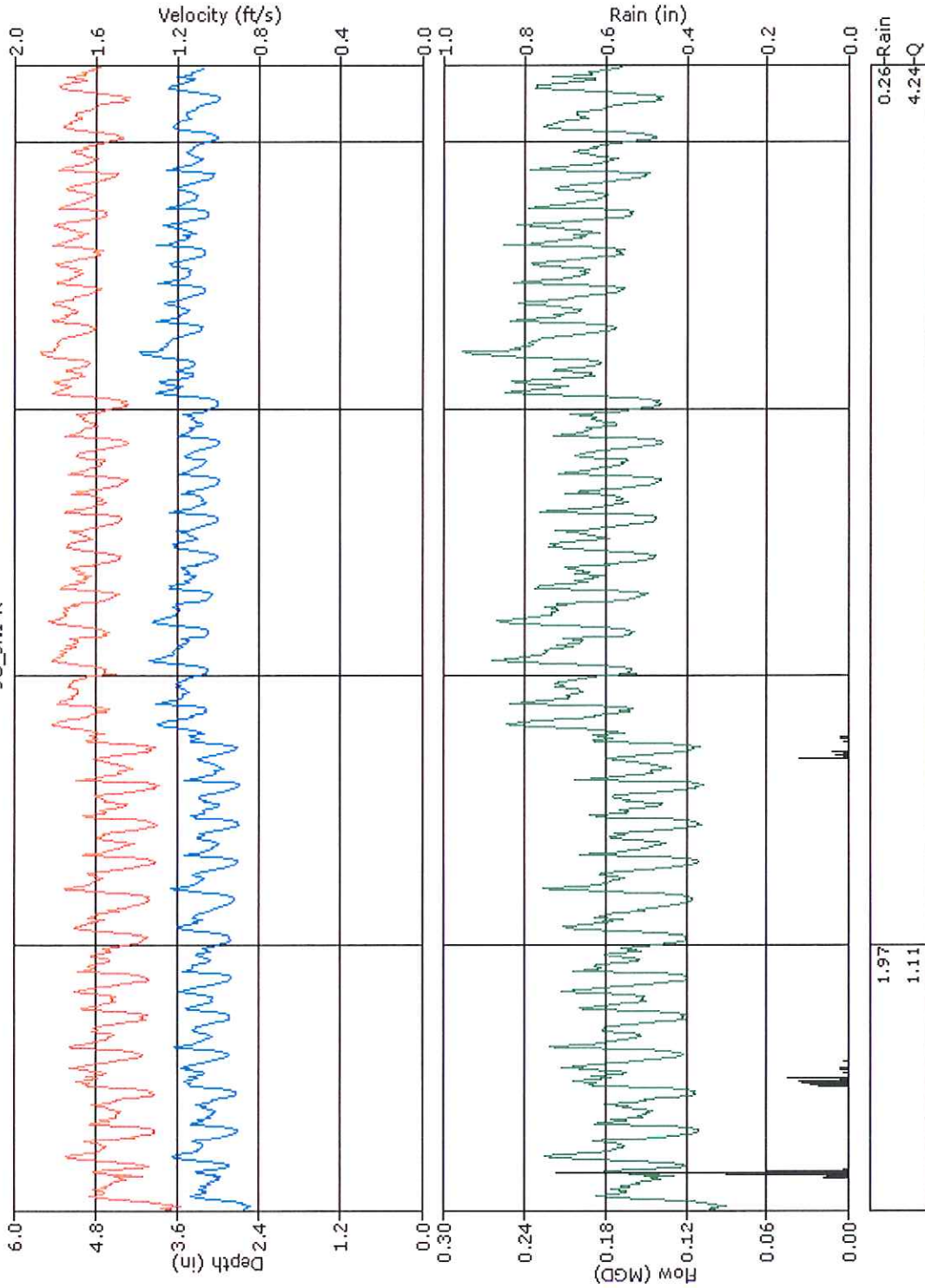
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JNI-K



Flow Monitor
JC_JNI-K



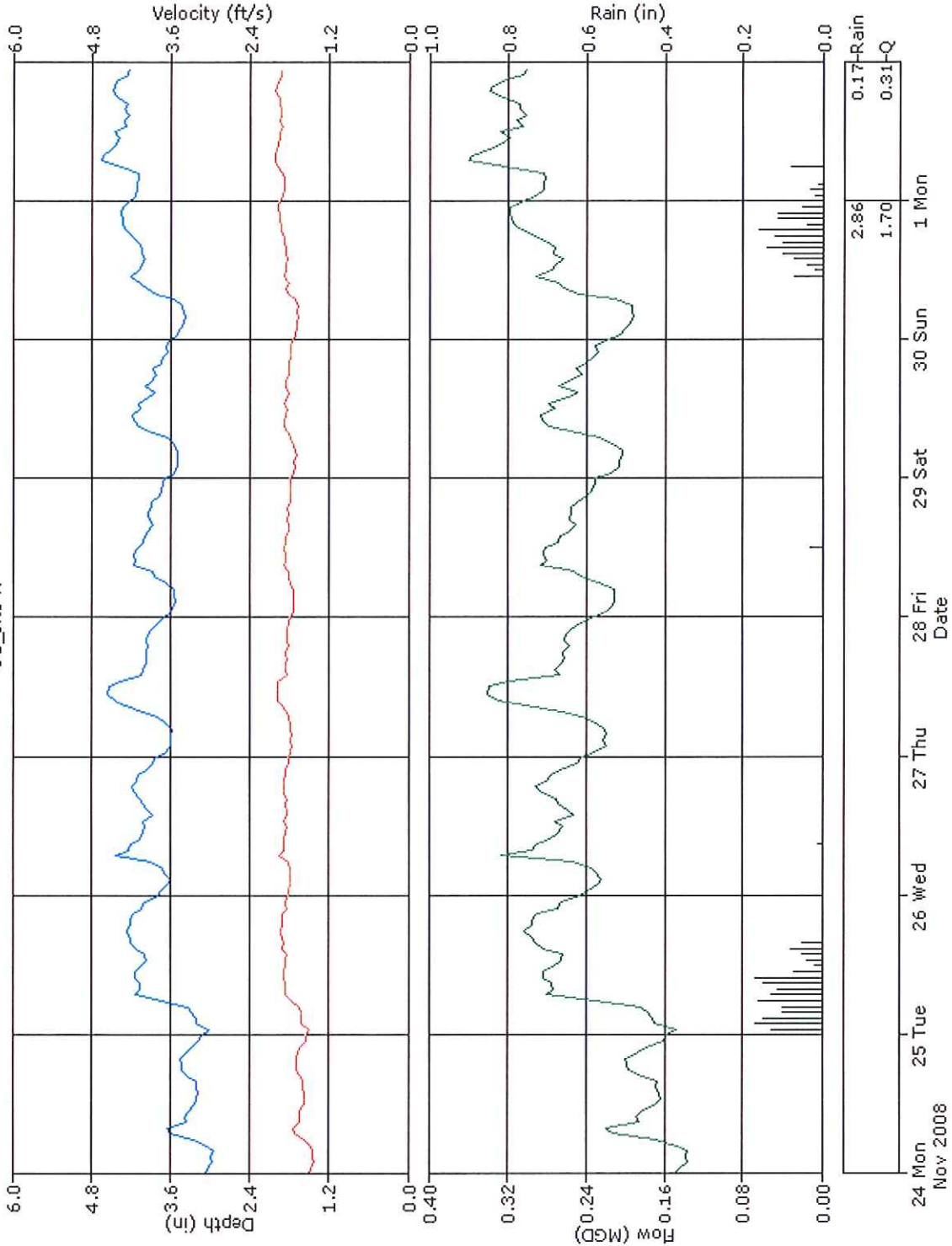
Report Period
10/25/2008
To
11/23/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JNI-K



Flow Monitor
JC_JNI-K

Nominal Diameter
12-in

Report Period
11/24/2008
To
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JNI-K, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008	02:45	2.51	19:30	3.17	2.89	02:30	1.19	10:45	1.55	1.41	02:45	0.092	19:30	0.158	0.130	0.130	
9/26/2008	05:15	2.46	18:30	4.97	3.49	05:00	1.15	18:30	2.16	1.63	05:00	0.086	18:30	0.417	0.203	0.203	2.91
9/27/2008	01:45	3.68	15:45	5.04	4.19	02:15	1.73	15:45	2.12	1.88	05:15	0.223	15:45	0.418	0.290	0.290	1.06
9/28/2008	04:30	4.19	18:00	6.15	4.72	03:00	1.87	10:45	2.20	2.06	05:45	0.289	18:00	0.444	0.373	0.373	0.71
9/29/2008	23:30	4.31	08:30	5.04	4.64	23:45	1.84	07:45	2.20	2.03	23:45	0.294	07:45	0.429	0.358	0.358	0.06
9/30/2008	04:15	4.11	07:45	4.83	4.35	02:15	1.87	07:00	2.05	1.95	04:15	0.280	07:45	0.377	0.316	0.316	
10/1/2008	23:15	3.97	08:30	4.64	4.21	01:15	1.80	08:15	2.05	1.92	14:15	0.258	08:30	0.351	0.298	0.298	0.10
10/2/2008	04:00	3.77	07:30	4.47	4.05	01:15	1.80	07:30	2.02	1.87	05:00	0.240	07:30	0.338	0.274	0.274	0.06
10/3/2008	03:30	3.60	07:30	4.40	3.89	05:45	1.73	07:15	1.98	1.83	04:15	0.221	07:30	0.322	0.254	0.254	
10/4/2008	04:00	3.50	10:15	4.29	3.86	03:30	1.70	09:45	1.94	1.82	03:30	0.206	09:45	0.308	0.250	0.250	
10/5/2008	05:45	3.38	18:30	4.47	3.78	02:30	1.66	12:00	1.94	1.79	03:45	0.193	18:30	0.326	0.240	0.240	0.03
10/6/2008	04:00	3.32	10:30	4.16	3.65	03:15	1.61	08:30	1.94	1.76	03:15	0.180	07:30	0.282	0.224	0.224	
10/7/2008	02:15	3.26	07:30	4.05	3.58	04:15	1.58	07:30	1.91	1.74	02:45	0.173	07:30	0.280	0.216	0.216	
10/8/2008	02:30	3.19	08:30	4.42	3.51	02:30	1.55	08:30	2.02	1.71	02:30	0.163	08:30	0.332	0.208	0.208	
10/9/2008	04:15	3.15	07:30	4.15	3.46	03:15	1.51	07:30	1.87	1.69	04:45	0.157	07:30	0.284	0.200	0.200	0.04
10/10/2008	03:15	3.08	07:30	3.99	3.39	01:45	1.48	07:45	1.85	1.65	04:45	0.148	07:30	0.263	0.189	0.189	
10/11/2008	04:00	2.99	09:30	3.97	3.36	03:30	1.44	09:30	1.86	1.62	05:45	0.140	09:30	0.266	0.185	0.185	
10/12/2008	04:00	2.99	09:45	4.00	3.32	05:30	1.40	09:45	1.87	1.60	05:30	0.135	09:45	0.270	0.180	0.180	
10/13/2008	04:15	2.91	10:15	3.81	3.30	05:00	1.37	10:15	1.80	1.59	05:00	0.129	10:15	0.243	0.177	0.177	
10/14/2008	03:30	2.85	08:45	4.16	3.23	03:45	1.33	08:45	1.91	1.56	04:30	0.121	08:45	0.291	0.169	0.169	
10/15/2008	04:00	2.85	07:15	4.16	3.20	04:45	1.33	07:15	1.94	1.53	04:45	0.122	07:15	0.295	0.163	0.163	
10/16/2008	04:15	2.82	07:15	3.92	3.16	01:15	1.30	07:15	1.80	1.51	03:30	0.116	07:15	0.252	0.158	0.158	
10/17/2008	03:45	2.76	07:45	3.60	3.09	02:30	1.30	07:45	1.73	1.48	03:00	0.112	07:45	0.216	0.151	0.151	
10/18/2008	03:45	2.72	11:15	4.17	3.13	02:15	1.30	11:15	1.84	1.50	02:45	0.110	11:15	0.280	0.156	0.156	
10/19/2008	05:45	2.68	10:45	3.63	3.12	05:00	1.26	10:30	1.73	1.49	05:00	0.104	10:45	0.218	0.155	0.155	
10/20/2008	02:30	2.67	09:45	3.67	3.03	04:45	1.22	09:45	1.73	1.45	04:45	0.101	09:45	0.221	0.144	0.144	
10/21/2008	03:00	2.66	08:00	3.60	3.02	04:00	1.22	08:00	1.69	1.45	04:00	0.101	08:00	0.211	0.143	0.143	
10/22/2008	04:15	2.63	07:15	3.44	2.99	04:45	1.27	07:30	1.66	1.43	04:45	0.103	07:30	0.194	0.139	0.139	
10/23/2008	04:45	2.58	08:00	3.40	2.96	01:45	1.22	07:15	1.62	1.42	03:00	0.097	08:00	0.187	0.136	0.136	0.01
10/24/2008	03:45	2.55	07:30	3.44	2.95	02:30	1.22	07:45	1.73	1.41	02:30	0.097	07:45	0.203	0.135	0.135	
10/25/2008	04:30	2.51	10:30	3.47	2.99	04:30	1.15	10:30	1.66	1.45	04:30	0.087	10:30	0.196	0.141	0.141	0.11
10/26/2008	05:45	2.82	11:00	3.77	3.24	05:00	1.30	11:00	1.80	1.56	05:00	0.116	11:00	0.239	0.169	0.169	1.23
10/27/2008	04:30	2.70	17:30	3.75	3.08	02:30	1.30	17:30	1.77	1.49	04:15	0.108	17:30	0.233	0.151	0.151	
10/28/2008	04:00	2.69	17:45	3.89	3.21	01:45	1.30	19:45	1.87	1.55	04:00	0.108	19:45	0.252	0.167	0.167	0.63
10/29/2008	03:00	2.84	08:15	4.04	3.19	03:15	1.33	08:15	1.87	1.54	03:15	0.120	08:15	0.273	0.164	0.164	
10/30/2008	04:15	2.83	19:45	4.05	3.16	01:15	1.33	19:45	1.84	1.53	04:00	0.119	19:45	0.269	0.160	0.160	
10/31/2008	04:00	2.81	11:15	3.67	3.15	02:00	1.30	07:30	1.73	1.52	03:00	0.115	11:15	0.221	0.159	0.159	
11/1/2008	04:15	2.81	11:00	3.66	3.18	05:30	1.30	10:30	1.76	1.53	05:30	0.116	11:15	0.222	0.163	0.163	
11/2/2008	05:15	2.72	12:15	3.82	3.17	03:00	1.30	12:15	1.80	1.54	05:30	0.111	12:15	0.244	0.163	0.163	
11/3/2008	05:15	2.70	22:45	3.66	3.08	03:00	1.30	22:45	1.76	1.48	05:15	0.108	22:45	0.225	0.150	0.150	
11/4/2008	03:45	2.68	10:30	3.44	3.08	04:00	1.26	09:30	1.73	1.49	04:00	0.105	09:30	0.199	0.150	0.150	
11/5/2008	04:00	2.67	08:15	3.57	3.04	04:00	1.26	08:15	1.73	1.47	04:00	0.103	08:15	0.213	0.146	0.146	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	05:00	2.68	17:45	4.31	3.28	05:00	1.26	17:45	1.91	1.57	05:00	0.104	17:45	0.305	0.176	0.176	0.10
11/7/2008	04:00	3.17	07:15	3.96	3.48	03:00	1.48	07:00	1.80	1.68	03:00	0.155	07:15	0.256	0.200	0.200	
11/8/2008	04:00	3.13	10:30	4.21	3.51	01:00	1.48	10:15	1.87	1.69	01:00	0.155	10:30	0.278	0.205	0.205	
11/9/2008	04:15	3.15	10:45	4.09	3.52	02:00	1.48	11:00	1.91	1.69	02:00	0.157	11:00	0.278	0.205	0.205	
11/10/2008	04:00	3.04	09:45	4.07	3.39	03:30	1.48	09:45	1.84	1.64	04:00	0.146	09:45	0.271	0.189	0.189	
11/11/2008	03:30	3.00	11:30	3.77	3.35	02:30	1.44	09:00	1.76	1.63	02:30	0.141	11:30	0.234	0.185	0.185	
11/12/2008	04:00	3.00	07:15	3.85	3.28	02:15	1.44	07:15	1.80	1.60	04:00	0.139	07:15	0.247	0.176	0.176	
11/13/2008	04:00	2.97	07:30	3.87	3.27	01:45	1.44	07:30	1.76	1.59	04:00	0.138	07:30	0.226	0.175	0.175	
11/14/2008	04:15	2.95	21:30	4.00	3.28	03:15	1.40	21:30	1.84	1.60	03:15	0.133	21:30	0.265	0.177	0.177	
11/15/2008	05:00	2.98	16:30	4.19	3.44	02:00	1.44	16:30	1.87	1.66	05:00	0.138	16:30	0.287	0.196	0.196	
11/16/2008	05:30	3.34	12:30	4.39	3.70	03:45	1.62	12:30	1.91	1.76	04:15	0.182	12:30	0.312	0.228	0.228	
11/17/2008	03:30	3.20	07:45	3.94	3.52	02:30	1.55	19:00	1.91	1.72	03:15	0.167	19:00	0.261	0.209	0.209	
11/18/2008	03:15	3.18	07:15	3.96	3.48	03:00	1.55	06:45	1.80	1.70	03:15	0.163	07:15	0.256	0.203	0.203	
11/19/2008	01:45	3.19	20:45	4.18	3.49	01:45	1.55	10:45	1.87	1.70	01:45	0.163	20:45	0.287	0.204	0.204	
11/20/2008	02:45	3.11	07:15	3.93	3.40	02:30	1.51	08:00	1.84	1.66	02:45	0.154	07:15	0.253	0.191	0.191	
11/21/2008	04:15	3.01	07:30	3.79	3.33	02:00	1.48	07:15	1.80	1.63	04:15	0.144	07:15	0.239	0.184	0.184	
11/22/2008	03:00	3.00	11:45	3.73	3.36	02:45	1.44	10:15	1.80	1.63	02:45	0.140	11:45	0.236	0.185	0.185	
11/23/2008	05:00	2.95	17:30	4.06	3.33	04:00	1.40	17:30	1.84	1.62	05:00	0.133	17:30	0.270	0.183	0.183	
11/24/2008	04:30	2.93	08:00	3.78	3.25	02:30	1.40	07:15	1.76	1.59	04:00	0.132	08:00	0.230	0.174	0.174	
11/25/2008	01:45	3.01	18:45	4.33	3.87	01:30	1.48	11:15	1.94	1.80	01:30	0.144	18:45	0.312	0.251	0.251	1.69
11/26/2008	03:30	3.58	07:45	4.78	3.97	04:00	1.76	07:45	2.06	1.85	03:30	0.223	07:45	0.377	0.265	0.265	0.01
11/27/2008	05:00	3.55	11:45	4.63	3.96	02:00	1.76	13:00	2.05	1.85	04:45	0.217	11:30	0.352	0.265	0.265	
11/28/2008	03:15	3.52	11:45	4.27	3.84	04:00	1.69	12:00	1.98	1.81	04:00	0.206	11:45	0.306	0.247	0.247	0.03
11/29/2008	05:00	3.47	13:45	4.34	3.79	04:15	1.66	13:45	2.02	1.81	05:00	0.196	13:45	0.324	0.243	0.243	
11/30/2008	03:00	3.38	20:00	4.40	3.91	04:15	1.62	23:15	2.02	1.83	04:15	0.186	23:30	0.325	0.258	0.258	1.13
12/1/2008	05:15	4.08	07:45	4.71	4.32	01:30	1.87	07:15	2.09	1.96	04:00	0.277	08:30	0.364	0.314	0.314	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			13.584	10.24
Report Avg	3.46	1.65	0.200	

Site Commentary

Site Information

JC_JSI-R	
Pipe Dimensions (in.)	Circular (8.00 in H)
Silt (in.)	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-R indicate this location functioned mostly in free-flow conditions for the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	2.08	4.90	0.241
Minimum	1.15	2.38	0.050
Maximum	8.14	6.33	1.140
Time of Minimum	10/23/2008 3:15 AM	9/25/2008 4:15 AM	10/23/2008 2:15 AM
Time of Maximum	9/28/2008 8:00 PM	10/4/2008 9:45 AM	9/28/2008 8:15 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

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Name:	JC JSI-R	Meter Type:	1502	Monitor S/N:	8908	Manhole #:	JSI_R
Address / Location:	760 Hartford Avenue (City Limit Auto)			Map Page #:	N/A		
Access:	Drive	Type of System:	Sanitary	Pipe Height:	8 Inches		
				Pipe Width:	8 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 18, 2008	10:40 AM	Manhole Depth:	7 Feet	10 Inches
Site Hydraulics:	GOOD FAST FLOW		Manhole Material / Condition:	Brick	Fair
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	GOOD		Pipe Material / Condition:	ACP	Good
Downstream Manhole:	GOOD		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	1.75 +/-	0.5	Access Pole #:	N/A	
Range (Air Dof):	4.5 +/-	0.5	Distance From Manhole:	N/A Feet	
Peak Velocity:	4.5 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
N 41° 49' 11.4" W 71° 28' 12.8"

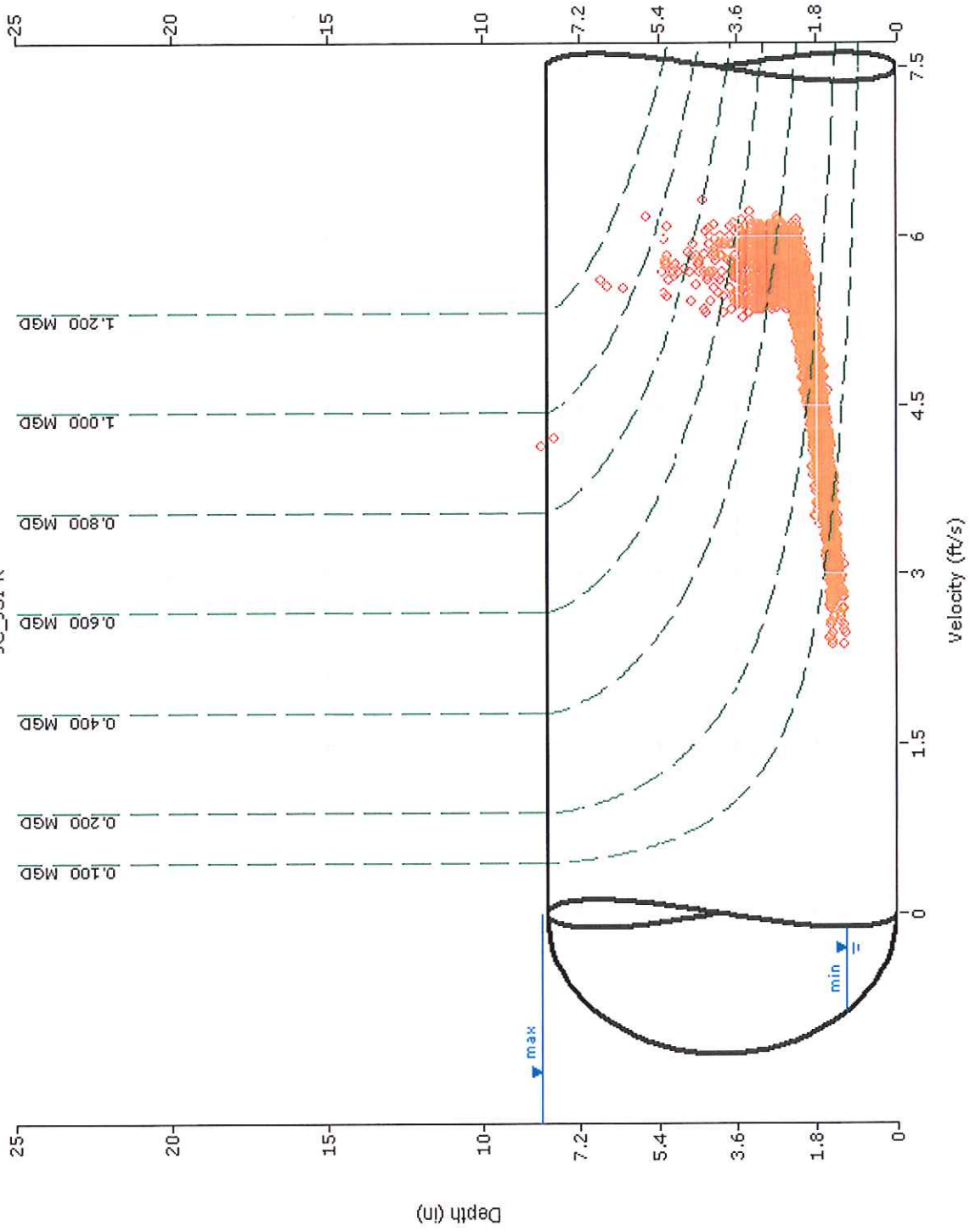


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-1	Other		x		

Additional Site Information / Comments:

PRESS SN 79894 PO 1.75

SCATTERGRAPH REPORT
JC_JSI-R



Flow Monitor
JC_JSI-R

Nominal Diameter
8-in

Report Period
9/25/2008
To
12/1/2008

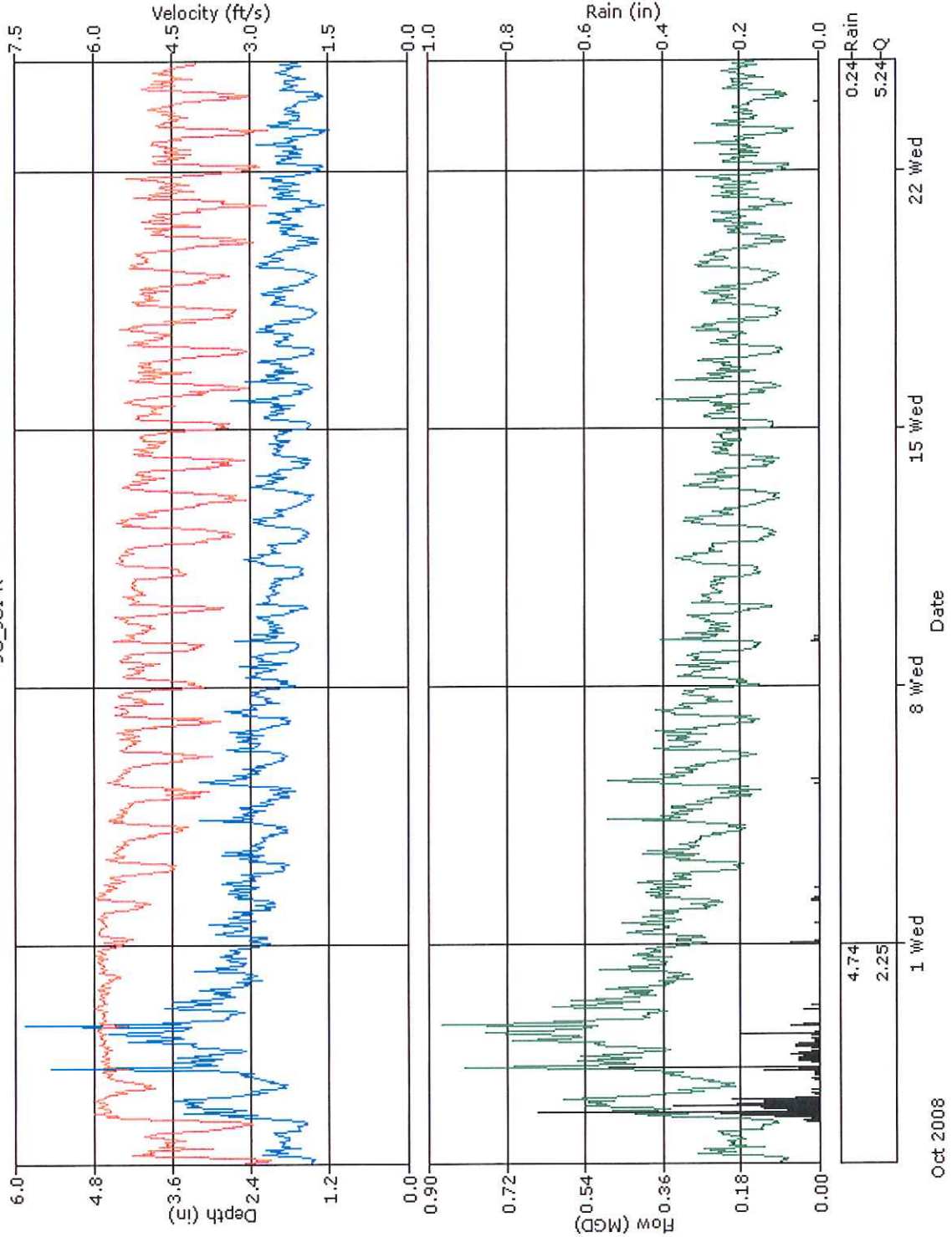
Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth

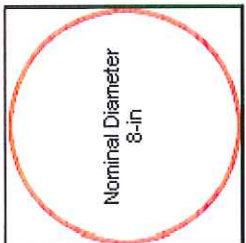


HYDROGRAPH REPORT

JC_JSI-R



Flow Monitor
JC_JSI-R



Report Period
9/25/2008
To
10/24/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JSI-R

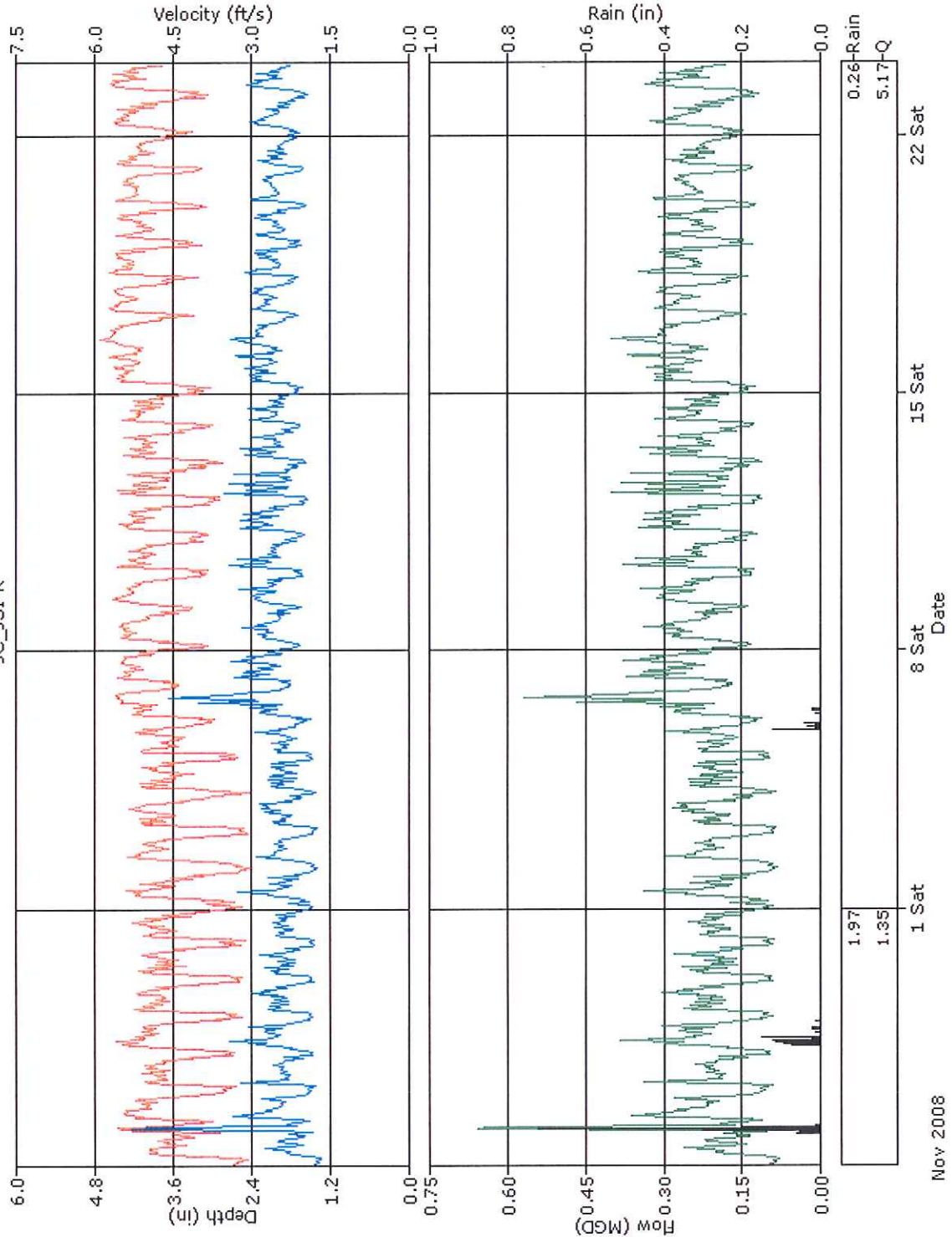
Flow Monitor
JC_JSI-R



Report Period
10/25/2008
To
11/23/2008

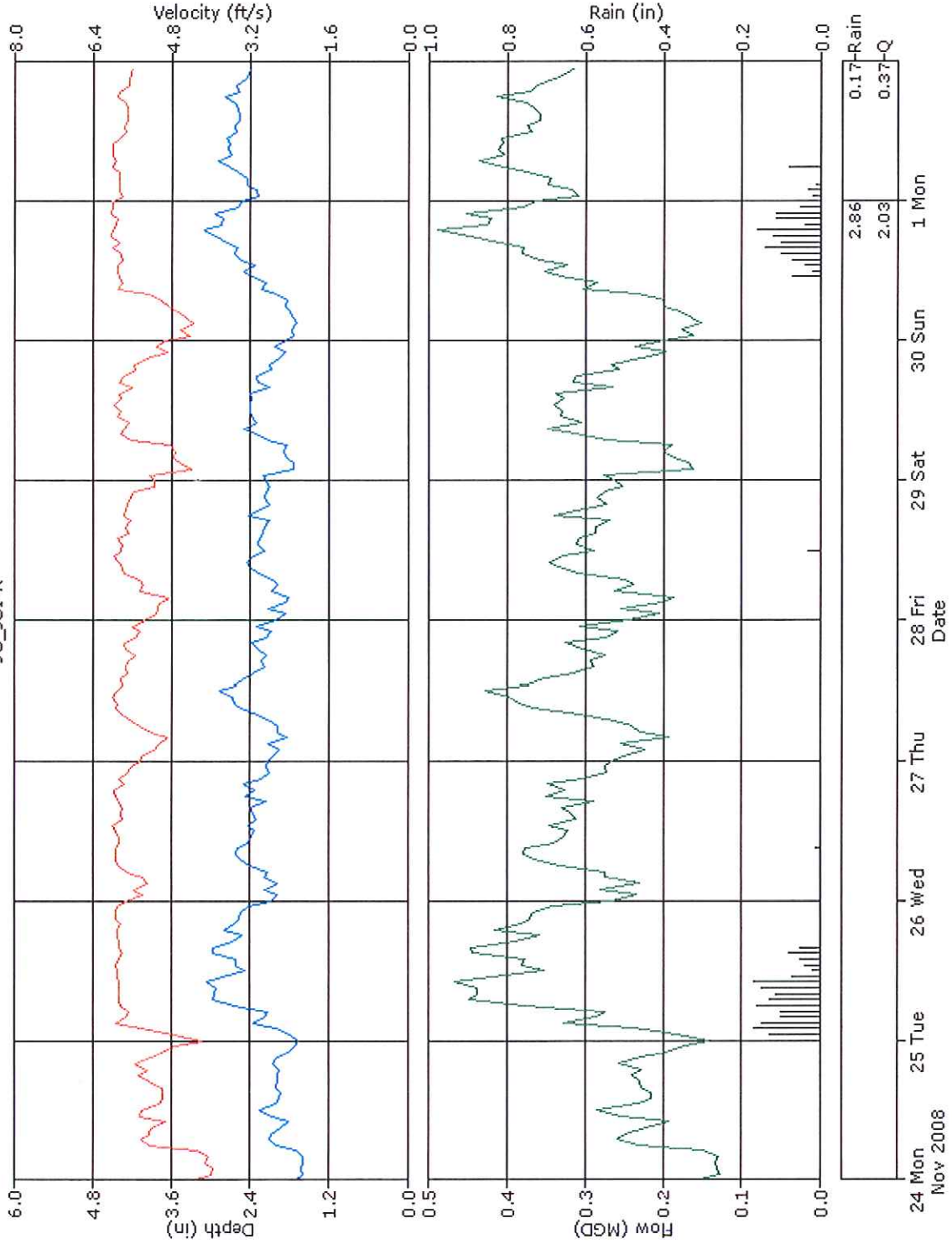
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

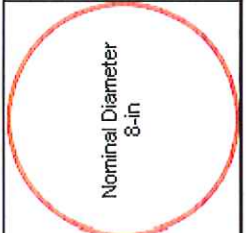


HYDROGRAPH REPORT

JC_JSI-R



Flow Monitor
JC_JSI-R



Report Period
11/24/2008
To
12/1/2008

- Legend**
- Depth
 - Silt
 - Velocity
 - Quantity
 - Rain



Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-R, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008	04:45	1.41	10:00	2.94	1.80	04:15	2.38	10:00	5.94	4.20	04:15	0.067	10:00	0.448	0.169	0.169	
9/26/2008	03:45	1.44	14:45	4.30	2.55	04:15	2.41	10:30	6.23	5.10	04:15	0.068	14:45	0.747	0.343	0.343	2.91
9/27/2008	05:45	1.78	15:30	7.80	2.74	15:30	4.21	14:45	6.16	5.54	03:45	0.167	15:45	1.041	0.384	0.384	1.06
9/28/2008	03:45	2.37	20:00	8.14	3.52	20:00	4.14	22:45	6.16	5.80	05:15	0.314	20:15	1.140	0.551	0.551	0.71
9/29/2008	23:30	2.30	07:15	5.72	2.90	18:45	5.54	07:15	6.19	5.83	23:30	0.318	07:15	1.069	0.433	0.433	0.06
9/30/2008	23:45	2.14	07:45	4.60	2.60	03:45	5.18	13:00	6.08	5.79	03:45	0.256	07:45	0.798	0.370	0.370	
10/1/2008	04:15	2.00	07:30	3.98	2.51	04:15	4.86	08:30	6.08	5.73	04:15	0.215	14:15	0.663	0.350	0.350	0.10
10/2/2008	01:15	1.85	11:30	4.03	2.41	04:00	4.46	06:15	6.05	5.53	04:00	0.179	11:30	0.676	0.321	0.321	0.06
10/3/2008	02:30	1.75	13:45	3.67	2.24	02:15	4.00	11:00	6.05	5.22	04:30	0.151	13:45	0.589	0.275	0.275	
10/4/2008	04:30	1.74	09:45	4.37	2.28	04:30	3.74	09:45	6.33	5.14	04:30	0.136	09:45	0.797	0.281	0.281	
10/5/2008	04:30	1.64	11:00	4.30	2.28	04:30	3.56	11:00	6.06	5.03	04:30	0.118	11:00	0.748	0.276	0.276	0.03
10/6/2008	03:15	1.71	13:45	4.06	2.27	03:30	3.53	07:45	5.80	5.01	03:15	0.126	13:45	0.650	0.270	0.270	
10/7/2008	02:00	1.73	08:15	3.92	2.22	02:00	3.46	07:30	5.80	4.98	02:00	0.125	08:15	0.601	0.262	0.262	
10/8/2008	23:30	1.62	13:30	3.57	2.10	02:45	3.49	03:00	5.80	4.93	02:45	0.122	13:30	0.530	0.241	0.241	
10/9/2008	02:30	1.53	10:30	3.32	2.00	02:15	3.31	17:00	5.90	4.92	02:15	0.102	10:30	0.497	0.224	0.224	0.04
10/10/2008	03:45	1.44	06:00	2.66	1.96	04:30	3.27	11:15	6.00	4.91	03:45	0.093	10:45	0.374	0.216	0.216	
10/11/2008	04:45	1.53	11:15	3.19	1.96	23:30	3.64	13:30	5.96	4.95	23:30	0.114	11:15	0.465	0.219	0.219	
10/12/2008	06:15	1.44	13:45	2.81	1.87	03:00	2.92	17:15	6.01	4.50	03:00	0.083	17:15	0.398	0.188	0.188	
10/13/2008	05:30	1.38	17:00	3.65	1.87	02:15	2.84	21:30	5.76	4.55	04:00	0.080	17:00	0.546	0.192	0.192	
10/14/2008	02:45	1.35	23:45	2.81	1.86	04:15	2.95	11:00	5.72	4.56	02:45	0.078	23:45	0.400	0.187	0.187	
10/15/2008	04:15	1.31	19:45	4.29	1.90	04:00	3.02	19:00	5.83	4.61	04:15	0.074	19:45	0.696	0.198	0.198	
10/16/2008	03:30	1.35	07:30	4.34	1.87	03:30	2.92	07:30	5.86	4.51	03:30	0.073	07:30	0.733	0.191	0.191	
10/17/2008	03:00	1.38	16:45	3.62	1.84	03:15	2.88	07:45	5.94	4.51	03:00	0.077	16:45	0.546	0.185	0.185	
10/18/2008	04:15	1.33	16:00	3.05	1.79	05:15	2.81	20:00	5.72	4.44	03:45	0.072	16:00	0.425	0.176	0.176	
10/19/2008	05:00	1.34	13:15	3.16	1.83	05:00	3.23	09:00	5.82	4.57	05:00	0.080	13:15	0.451	0.187	0.187	
10/20/2008	04:15	1.31	15:15	3.36	1.75	02:15	2.81	16:00	5.80	4.30	02:45	0.069	21:15	0.509	0.166	0.166	
10/21/2008	02:45	1.21	14:15	3.13	1.77	02:30	2.59	11:15	5.79	4.29	02:45	0.058	14:15	0.463	0.168	0.168	
10/22/2008	02:15	1.21	18:15	4.01	1.71	02:15	2.52	06:30	5.77	4.20	02:15	0.054	18:15	0.623	0.157	0.157	
10/23/2008	03:15	1.15	07:15	3.16	1.65	02:15	2.38	07:15	5.62	4.17	02:15	0.050	07:15	0.465	0.149	0.149	0.01
10/24/2008	01:45	1.20	22:00	3.20	1.70	01:30	2.81	06:30	5.81	4.26	01:30	0.062	22:00	0.452	0.159	0.159	
10/25/2008	06:30	1.29	12:00	3.47	1.68	01:30	2.84	17:30	5.78	4.16	01:30	0.071	12:00	0.497	0.151	0.151	0.11
10/26/2008	05:45	1.45	01:45	6.58	2.17	05:45	3.28	22:45	5.76	4.90	05:45	0.091	01:45	1.104	0.258	0.258	1.23
10/27/2008	02:00	1.37	07:30	4.79	1.84	03:00	2.88	07:30	5.72	4.45	05:00	0.075	07:30	0.808	0.182	0.182	
10/28/2008	23:45	1.43	20:00	3.72	1.99	02:00	2.95	21:00	5.80	4.68	02:00	0.084	20:00	0.551	0.216	0.216	0.63
10/29/2008	00:45	1.41	18:30	3.71	1.91	03:00	2.95	17:00	5.76	4.50	03:30	0.079	18:30	0.560	0.196	0.196	
10/30/2008	02:45	1.40	19:15	3.37	1.83	02:45	2.99	06:30	5.65	4.40	02:45	0.079	19:15	0.491	0.179	0.179	
10/31/2008	02:30	1.41	21:45	2.54	1.80	04:00	2.88	16:30	5.65	4.41	04:00	0.081	21:45	0.333	0.174	0.174	
11/1/2008	02:00	1.42	11:45	4.33	1.87	02:45	3.02	12:30	5.72	4.37	02:00	0.084	11:45	0.664	0.183	0.183	
11/2/2008	02:00	1.34	10:00	2.71	1.83	02:00	2.84	11:30	5.84	4.37	02:00	0.070	10:00	0.371	0.179	0.179	
11/3/2008	05:30	1.36	21:15	3.52	1.87	01:45	2.88	10:45	5.62	4.42	05:15	0.073	21:15	0.520	0.186	0.186	
11/4/2008	04:45	1.35	23:15	3.43	1.85	04:30	2.84	11:45	5.62	4.38	04:45	0.074	23:15	0.502	0.182	0.182	
11/5/2008	02:45	1.32	20:30	3.27	1.84	05:30	2.84	20:30	5.62	4.43	02:45	0.074	20:30	0.487	0.181	0.181	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	04:45	1.31	15:30	5.22	2.22	05:00	2.84	21:00	5.72	4.88	04:45	0.071	19:00	0.869	0.263	0.263	0.10
11/7/2008	03:00	1.76	17:45	4.14	2.19	02:45	4.14	13:00	5.76	5.12	03:00	0.155	17:45	0.869	0.262	0.262	
11/8/2008	04:30	1.61	15:30	3.98	2.05	05:15	3.49	17:15	5.80	4.99	05:15	0.115	15:30	0.830	0.232	0.232	
11/9/2008	04:00	1.48	16:30	4.21	2.09	04:00	3.28	10:00	5.83	4.99	04:00	0.094	16:30	0.853	0.241	0.241	
11/10/2008	02:45	1.46	08:45	4.34	2.03	02:45	3.35	21:15	5.80	4.79	02:45	0.094	12:30	0.880	0.224	0.224	
11/11/2008	03:30	1.48	08:30	4.23	2.09	05:00	3.28	17:45	5.87	4.81	03:30	0.098	08:30	0.889	0.238	0.238	
11/12/2008	03:45	1.45	07:30	4.68	1.99	03:15	3.35	13:00	5.90	4.65	03:15	0.097	07:30	0.780	0.215	0.215	
11/13/2008	02:00	1.45	08:30	3.41	2.00	03:00	3.28	12:45	5.87	4.71	02:00	0.094	12:45	0.531	0.216	0.216	
11/14/2008	02:45	1.54	14:15	3.90	1.99	02:45	3.31	20:45	5.76	4.80	02:45	0.100	14:15	0.583	0.216	0.216	
11/15/2008	01:45	1.53	08:30	2.90	2.07	02:00	3.53	08:30	5.93	4.99	02:00	0.110	08:30	0.438	0.239	0.239	
11/16/2008	05:00	1.85	11:15	3.08	2.29	03:45	4.50	11:15	6.11	5.50	03:45	0.179	11:15	0.489	0.296	0.296	
11/17/2008	04:00	1.58	21:00	2.82	2.11	03:30	3.89	19:15	5.94	5.25	04:00	0.123	21:00	0.405	0.253	0.253	
11/18/2008	05:15	1.60	06:15	3.11	2.07	04:15	3.64	06:15	5.87	5.20	04:00	0.119	06:15	0.476	0.247	0.247	
11/19/2008	03:30	1.59	05:45	2.81	2.01	01:45	3.82	07:15	5.94	5.01	03:30	0.123	05:45	0.410	0.229	0.229	
11/20/2008	04:45	1.51	08:30	3.01	2.03	04:45	3.71	08:30	5.90	5.05	04:45	0.110	08:30	0.457	0.234	0.234	
11/21/2008	01:45	1.55	15:15	2.85	1.92	01:45	3.64	15:15	5.87	4.91	01:45	0.112	15:15	0.422	0.208	0.208	
11/22/2008	02:30	1.53	10:45	2.74	2.00	02:30	3.78	12:00	5.85	5.04	02:30	0.114	10:45	0.384	0.227	0.227	
11/23/2008	05:30	1.49	10:30	2.96	1.97	02:45	3.56	13:30	6.12	4.96	02:45	0.105	10:30	0.437	0.221	0.221	
11/24/2008	03:00	1.50	13:15	2.70	1.90	02:45	3.56	08:00	5.83	4.92	03:45	0.105	13:15	0.388	0.207	0.207	
11/25/2008	01:00	1.55	10:45	3.17	2.55	00:15	3.78	20:30	6.12	5.73	01:00	0.119	10:45	0.500	0.361	0.361	1.89
11/26/2008	04:15	1.85	04:30	2.97	2.30	04:15	5.04	13:45	6.16	5.77	04:15	0.199	04:30	0.460	0.312	0.312	0.01
11/27/2008	04:15	1.78	12:00	3.05	2.27	03:30	4.64	10:45	6.12	5.59	03:30	0.176	12:00	0.480	0.299	0.299	
11/28/2008	04:00	1.76	02:45	3.04	2.16	04:00	4.46	05:30	6.08	5.56	04:00	0.165	02:45	0.458	0.277	0.277	0.03
11/29/2008	03:00	1.69	00:15	3.06	2.14	02:45	4.18	09:45	6.19	5.41	02:45	0.147	00:15	0.471	0.268	0.268	
11/30/2008	05:00	1.67	19:30	3.17	2.32	01:30	4.18	09:00	6.12	5.48	02:15	0.144	19:30	0.503	0.308	0.308	1.13
12/1/2008	05:00	2.18	03:45	3.16	2.59	05:00	5.44	08:15	6.16	5.83	05:00	0.270	03:45	0.507	0.369	0.369	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			16.415	10.24
Report Avg	2.08	4.90	0.241	

Site Commentary

Site Information

JC_JSI-S	
Pipe Dimensions	Circular (29.50 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-S indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	9.54	1.19	1.051
Minimum	7.66	0.69	0.442
Maximum	17.00	2.37	4.336
Time of Minimum	10/19/2008 3:45 AM	10/24/2008 2:30 AM	10/24/2008 2:30 AM
Time of Maximum	10/26/2008 2:15 AM	10/26/2008 1:45 AM	10/26/2008 2:15 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

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Site Name:	JC_JSI-S	Meter Type:	1502	Monitor S/N:	9373	Manhole #:	JSI-S
Address / Location:	170 Silverlake Avenue			Map Page #:	N/A		
Access:	Drive	Type of System:	Sanitary	Pipe Height:	29.5 Inches		
				Pipe Width:	29.5 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 22, 2008	1:59 PM	Manhole Depth:	19 Feet	
Site Hydraulics:	GOOD LEVEL FLOW		Manhole Material / Condition:	PRECAST	Good
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	PVC	Good
Downstream Manhole:	N/A		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	10 +/- 0.25		Access Pole #:	N/A	
Range (Air Dof):	18 +/- 0.25		Distance From Manhole:	N/A Feet	
Peak Velocity:	1.38 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:

N 41 48' 21.3" W 71 27' 51.1"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	2 Feet	WWTP		x		
Rain Gauge Zone:	R1	Other		x		

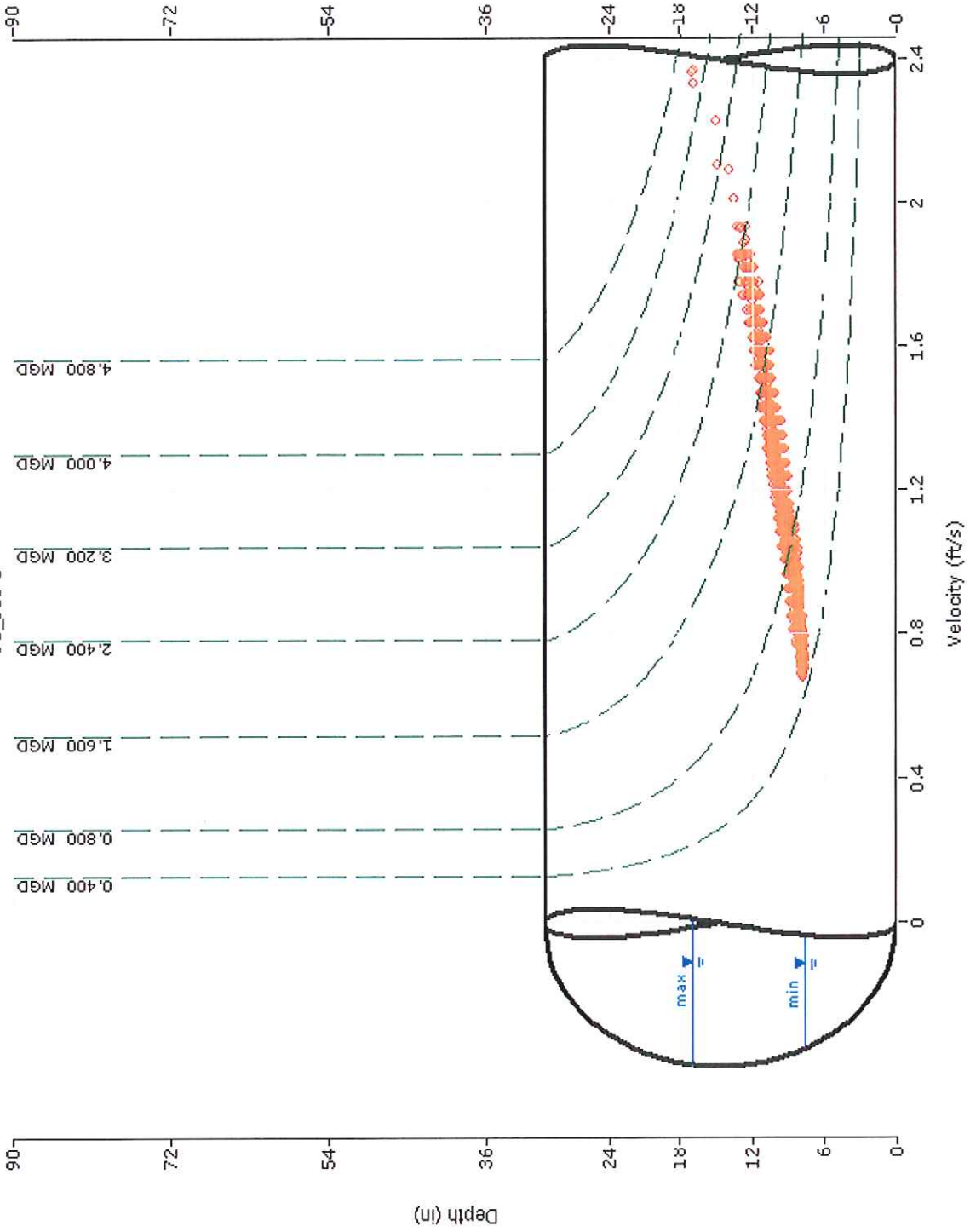
PRESS SN 78246 PO 1.5

SIGMA METER AT THIS SITE HALF BAND ON 4" PIPE- DOWNLOOKER

GOUND WATER GAUGE

SCATTERGRAPH REPORT

JC_JSI-S



Flow Monitor
JC_JSI-S

Nominal Diameter
30-in

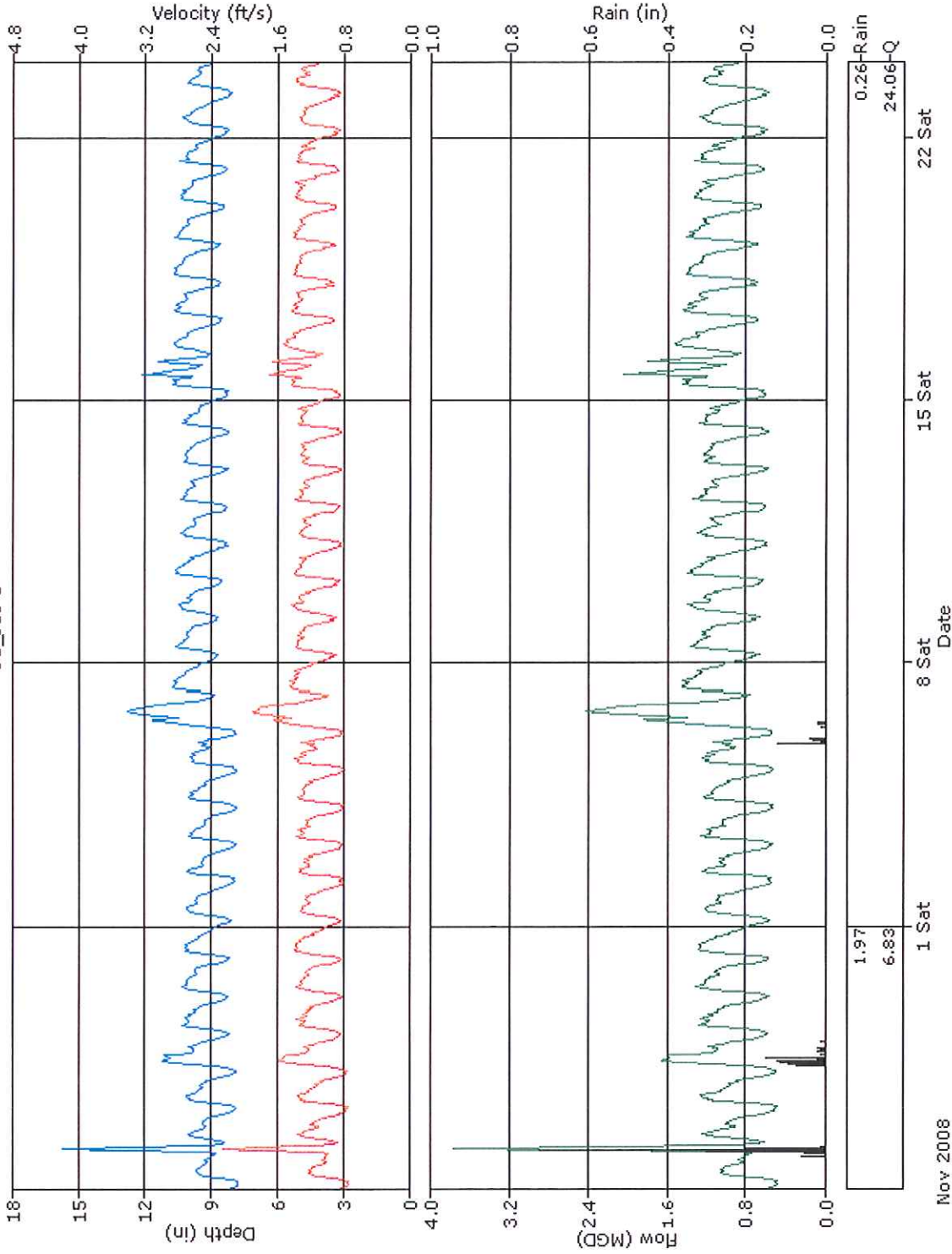
Report Period
9/25/2008
To
12/1/2008

Legend
 ○ Depth - Velocity
 --- Iso-Q™
 - - - Silt
 ▽ Min-Max Depth



HYDROGRAPH REPORT

JC_JSI-S



Flow Monitor
JC_JSI-S

Nominal Diameter
30-in

Report Period
10/25/2008
To
11/23/2008

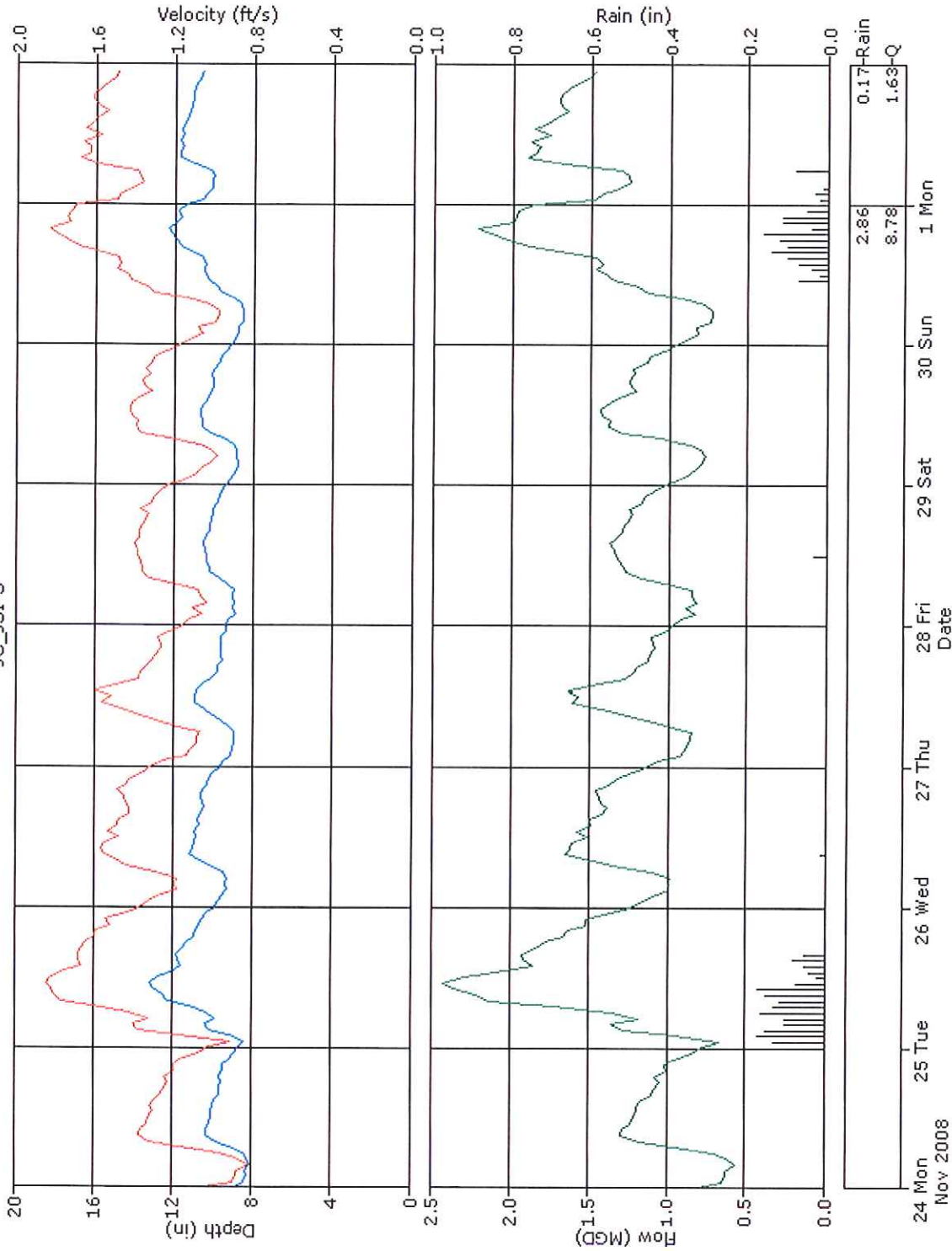
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JSI-S



Flow Monitor
JC_JSI-S

Nominal Diameter
30-in

Report Period
11/24/2008
To
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-S, Pipe Height: 30"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity						Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total	
9/25/2008																		2.91
9/26/2008																		1.06
9/27/2008																		0.71
9/28/2008																		0.06
9/29/2008	23:15	10.60	16:30	11.54	11.13	23:15	1.44	20:00	1.71	1.58	23:15	1.423	20:00	1.855	1.674	0.575	0.06	
9/30/2008	04:30	9.72	09:15	11.71	10.71	04:00	1.16	09:30	1.71	1.46	04:00	1.044	09:30	1.934	1.481	1.481		
10/1/2008	05:00	9.51	10:00	11.41	10.50	05:15	1.13	10:45	1.67	1.41	05:15	0.971	10:45	1.777	1.384	1.384	0.10	
10/2/2008	04:00	9.17	14:15	11.97	10.35	03:45	1.01	14:15	1.74	1.37	03:45	0.839	14:15	2.026	1.327	1.327	0.06	
10/3/2008	05:45	8.95	11:00	11.15	10.09	05:00	0.97	09:15	1.55	1.30	05:00	0.773	09:15	1.645	1.217	1.217		
10/4/2008	06:00	8.81	11:00	10.80	9.87	04:45	0.97	20:30	1.47	1.25	05:00	0.752	11:00	1.460	1.131	1.131		
10/5/2008	06:00	8.52	12:45	10.75	9.68	03:15	0.97	12:45	1.55	1.22	03:45	0.735	12:45	1.568	1.085	1.085	0.03	
10/6/2008	04:45	8.54	11:00	10.73	9.75	05:00	0.97	11:45	1.44	1.21	06:15	0.732	11:45	1.425	1.082	1.082		
10/7/2008	03:45	8.29	08:45	10.63	9.67	03:45	0.97	08:15	1.43	1.20	03:45	0.686	08:15	1.418	1.058	1.058		
10/8/2008	02:45	8.47	09:15	10.57	9.63	02:30	1.00	09:15	1.35	1.19	02:45	0.733	09:15	1.332	1.043	1.043		
10/9/2008	04:30	8.25	09:45	10.45	9.38	04:30	0.96	13:00	1.34	1.15	04:30	0.677	09:45	1.293	0.972	0.972	0.04	
10/10/2008	04:45	8.11	09:45	10.10	9.16	04:45	0.94	09:45	1.27	1.11	04:45	0.643	09:45	1.177	0.914	0.914		
10/11/2008	04:00	7.99	11:30	10.05	8.98	04:00	0.91	11:30	1.26	1.08	04:00	0.612	11:30	1.162	0.863	0.863		
10/12/2008	05:00	7.99	10:45	10.05	9.06	04:15	0.88	10:45	1.26	1.09	04:15	0.593	10:45	1.162	0.882	0.882		
10/13/2008	02:45	7.99	10:15	10.05	8.97	01:15	0.83	10:15	1.26	1.08	01:15	0.562	10:15	1.162	0.860	0.860		
10/14/2008	03:45	7.99	08:30	10.03	9.24	02:30	0.87	13:45	1.36	1.15	03:00	0.587	13:45	1.216	0.954	0.954		
10/15/2008	04:30	7.69	10:00	10.08	9.13	03:30	0.76	10:00	1.40	1.09	03:30	0.497	10:00	1.294	0.899	0.899		
10/16/2008	04:15	7.80	11:30	10.09	9.11	02:45	0.77	09:45	1.40	1.09	06:00	0.515	11:45	1.260	0.893	0.893		
10/17/2008	04:45	7.82	09:15	10.07	9.14	04:45	0.77	11:45	1.32	1.06	04:45	0.501	13:00	1.221	0.877	0.877		
10/18/2008	04:00	7.69	13:00	9.92	8.87	06:15	0.75	12:15	1.36	1.03	06:15	0.485	12:45	1.214	0.814	0.814		
10/19/2008	03:45	7.66	13:00	9.69	8.79	04:30	0.70	11:15	1.36	1.00	04:00	0.452	13:00	1.191	0.779	0.779		
10/20/2008	04:00	7.67	12:00	10.10	9.08	03:30	0.70	09:45	1.36	1.04	04:45	0.448	10:00	1.253	0.851	0.851		
10/21/2008	04:45	7.78	12:00	10.04	9.07	04:45	0.76	12:45	1.40	1.06	04:45	0.492	12:45	1.252	0.867	0.867		
10/22/2008	04:15	7.69	10:30	9.92	8.95	02:15	0.70	10:30	1.32	1.03	06:15	0.449	10:30	1.195	0.829	0.829		
10/23/2008	05:00	7.78	11:30	9.85	8.92	06:00	0.74	09:30	1.36	1.06	06:00	0.492	11:30	1.219	0.841	0.841	0.01	
10/24/2008	02:30	7.75	09:15	9.89	8.85	02:30	0.69	10:15	1.36	1.01	02:30	0.442	10:15	1.193	0.796	0.796		
10/25/2008	03:30	7.71	12:30	9.75	8.82	06:30	0.72	10:45	1.24	0.99	06:30	0.464	10:45	1.096	0.773	0.773	0.11	
10/26/2008	06:45	8.26	02:15	17.00	9.81	06:30	0.78	01:45	2.37	1.24	06:30	0.549	02:15	4.336	1.180	1.180	1.23	
10/27/2008	04:45	7.79	13:00	10.35	9.10	03:15	0.69	13:00	1.40	1.08	03:15	0.453	13:00	1.341	0.887	0.887		
10/28/2008	03:15	7.80	10:45	11.61	9.57	03:15	0.70	10:30	1.67	1.17	03:15	0.453	10:45	1.871	1.051	1.051	0.63	
10/29/2008	04:15	8.02	09:30	10.40	9.42	04:15	0.74	09:30	1.40	1.14	04:15	0.497	09:30	1.349	0.973	0.973		
10/30/2008	04:00	8.16	10:15	10.40	9.43	04:15	0.78	10:15	1.40	1.15	04:15	0.538	10:15	1.349	0.989	0.989		
10/31/2008	05:30	7.98	09:45	10.35	9.29	04:00	0.81	09:45	1.44	1.16	05:15	0.557	09:45	1.377	0.972	0.972		
11/1/2008	05:45	7.98	12:30	10.18	9.17	03:45	0.78	10:30	1.36	1.11	04:30	0.524	11:45	1.269	0.920	0.920		
11/2/2008	05:45	7.85	12:30	10.25	8.99	03:45	0.78	12:30	1.47	1.09	04:00	0.511	12:30	1.397	0.881	0.881		
11/3/2008	05:15	7.79	12:30	10.09	9.05	04:45	0.78	10:15	1.40	1.14	04:45	0.518	10:30	1.291	0.927	0.927		
11/4/2008	05:00	7.79	11:00	10.00	9.02	04:45	0.78	10:45	1.40	1.13	04:45	0.506	11:30	1.272	0.914	0.914		
11/5/2008	04:45	7.80	15:15	10.09	9.03	04:45	0.78	09:30	1.40	1.13	04:45	0.503	15:15	1.296	0.915	0.915	0.16	

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/8/2008	04:30	7.82	18:15	13.41	10.26	03:45	0.78	18:15	2.01	1.37	03:45	0.510	18:15	2.732	1.387	1.387	0.10
11/7/2008	04:00	8.75	09:30	10.96	9.89	04:00	0.89	13:30	1.51	1.29	04:00	0.680	09:30	1.530	1.172	1.172	
11/8/2008	05:15	8.53	11:30	10.67	9.71	05:00	0.85	14:00	1.51	1.22	05:15	0.628	14:00	1.491	1.086	1.086	
11/9/2008	05:15	8.56	13:30	10.49	9.64	03:15	0.85	13:45	1.51	1.21	05:15	0.631	13:45	1.455	1.061	1.061	
11/10/2008	05:45	8.44	11:00	10.69	9.65	02:15	0.85	09:45	1.44	1.19	05:45	0.618	09:45	1.431	1.053	1.053	
11/11/2008	05:00	8.15	11:15	10.49	9.40	02:45	0.78	11:00	1.40	1.14	05:00	0.535	11:15	1.366	0.978	0.978	
11/12/2008	04:30	8.15	09:30	10.57	9.48	04:30	0.81	09:30	1.47	1.16	04:30	0.562	09:30	1.456	1.001	1.001	
11/13/2008	05:00	8.13	09:45	10.29	9.48	03:15	0.78	09:45	1.36	1.15	04:45	0.538	09:45	1.293	0.992	0.992	
11/14/2008	03:45	8.11	09:45	10.56	9.36	03:00	0.78	09:30	1.40	1.16	03:00	0.535	09:45	1.379	0.984	0.984	
11/15/2008	06:15	8.10	17:15	13.09	9.74	03:45	0.78	17:30	1.85	1.25	03:45	0.537	17:15	2.430	1.139	1.139	
11/16/2008	06:45	8.94	01:15	11.69	10.08	04:45	1.01	01:30	1.75	1.38	06:30	0.807	01:30	1.950	1.287	1.287	
11/17/2008	05:15	8.42	09:30	10.82	9.78	03:30	0.85	09:30	1.51	1.25	04:00	0.620	09:30	1.543	1.129	1.129	
11/18/2008	05:45	8.50	14:00	10.76	9.83	04:45	0.89	09:15	1.44	1.24	05:45	0.653	10:15	1.448	1.128	1.128	
11/19/2008	04:30	8.45	09:15	10.70	9.76	04:15	0.85	09:00	1.44	1.23	04:30	0.620	09:00	1.438	1.104	1.104	
11/20/2008	03:45	8.27	11:00	10.46	9.60	04:00	0.81	14:45	1.44	1.22	04:00	0.583	09:15	1.380	1.070	1.070	
11/21/2008	04:00	8.13	09:15	10.55	9.43	04:00	0.78	08:45	1.40	1.18	04:00	0.534	09:15	1.377	1.016	1.016	
11/22/2008	05:15	8.19	13:45	10.34	9.31	06:45	0.78	13:45	1.40	1.15	06:45	0.551	13:45	1.340	0.969	0.969	
11/23/2008	05:00	8.02	11:15	10.14	9.15	05:15	0.81	10:45	1.44	1.15	06:00	0.555	10:45	1.301	0.948	0.948	
11/24/2008	04:00	7.95	10:15	10.44	9.32	02:45	0.78	09:00	1.40	1.15	04:00	0.517	10:15	1.357	0.976	0.976	
11/25/2008	01:45	8.30	10:45	13.26	11.04	01:30	0.85	12:45	1.90	1.54	01:45	0.605	10:45	2.489	1.659	1.659	1.69
11/26/2008	05:15	9.15	09:15	11.34	10.29	03:45	1.09	09:15	1.67	1.41	03:45	0.905	09:15	1.813	1.351	1.351	0.01
11/27/2008	04:00	8.83	13:00	11.11	9.76	04:00	1.02	11:30	1.63	1.30	04:00	0.785	13:00	1.722	1.165	1.165	
11/28/2008	02:30	8.67	14:30	10.67	9.79	02:30	0.97	14:30	1.47	1.27	02:30	0.730	14:30	1.475	1.137	1.137	0.03
11/29/2008	04:30	8.63	13:45	10.90	9.76	04:30	0.93	09:00	1.51	1.26	04:30	0.696	13:45	1.518	1.128	1.128	
11/30/2008	06:00	8.36	20:00	12.58	10.23	05:00	0.93	20:00	1.94	1.39	06:00	0.666	20:00	2.420	1.366	1.366	1.13
12/1/2008	05:30	9.88	09:00	11.96	11.02	04:00	1.28	00:00	1.75	1.55	04:00	1.173	09:00	1.993	1.632	1.632	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			66.575	10.24
Report Avg	9.54	1.19	1.051	

Site Commentary

Site Information

JC_JSI-U	
Pipe Dimensions	Circular (29.50 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-U indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	7.79	1.54	1.017
Minimum	5.78	0.83	0.371
Maximum	13.59	2.16	2.790
Time of Minimum	10/24/2008 4:30 AM	9/25/2008 3:00 AM	9/25/2008 3:00 AM
Time of Maximum	9/26/2008 11:15 AM	11/6/2008 4:30 PM	9/27/2008 4:15 PM

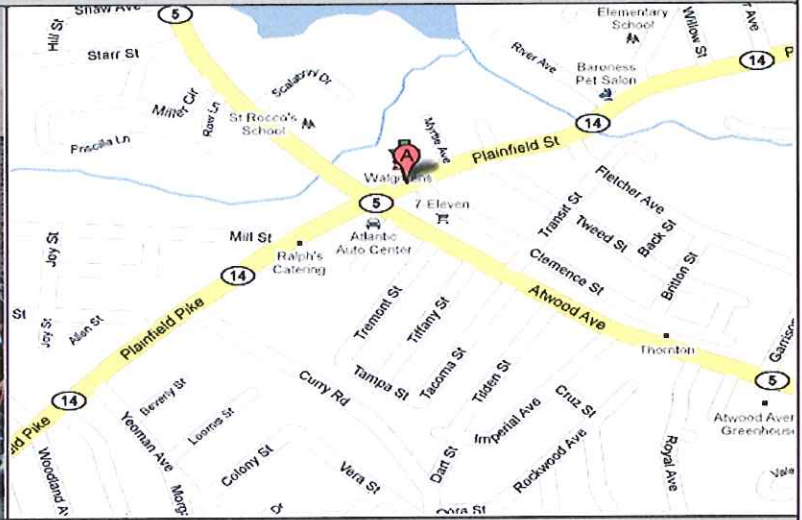
Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

a division of ADS LLC.

Name:	JC JSI-U	Meter Type:	1502	Monitor S/N:	9218	Manhole #:	JSI-U
Address / Location:	1387 Plainfield Pike (Walgreens) **NEED DETAIL WITH CRUISER** 24 HR NOTICE**			Map Page #:	N/A		
Access:	Drive	Type of System:	Sanitary	Pipe Height:	30 Inches		
				Pipe Width:	30 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 23, 2008	1:10 PM	Manhole Depth:	11 Feet	6 Inches
Site Hydraulics:	GOOD, SLOW FLOW		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	CURVE		Pipe Material / Condition:	PVC	Good
Downstream Manhole:	GOOD		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	8.5 +/- 0.25		Telephone Information:		
Range (Air Dof):	19.5 +/- 0.25		Access Pole #:	N/A	
Peak Velocity:	1.75 fps		Distance From Manhole:	N/A Feet	
Silt:	1.5 Inches		Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

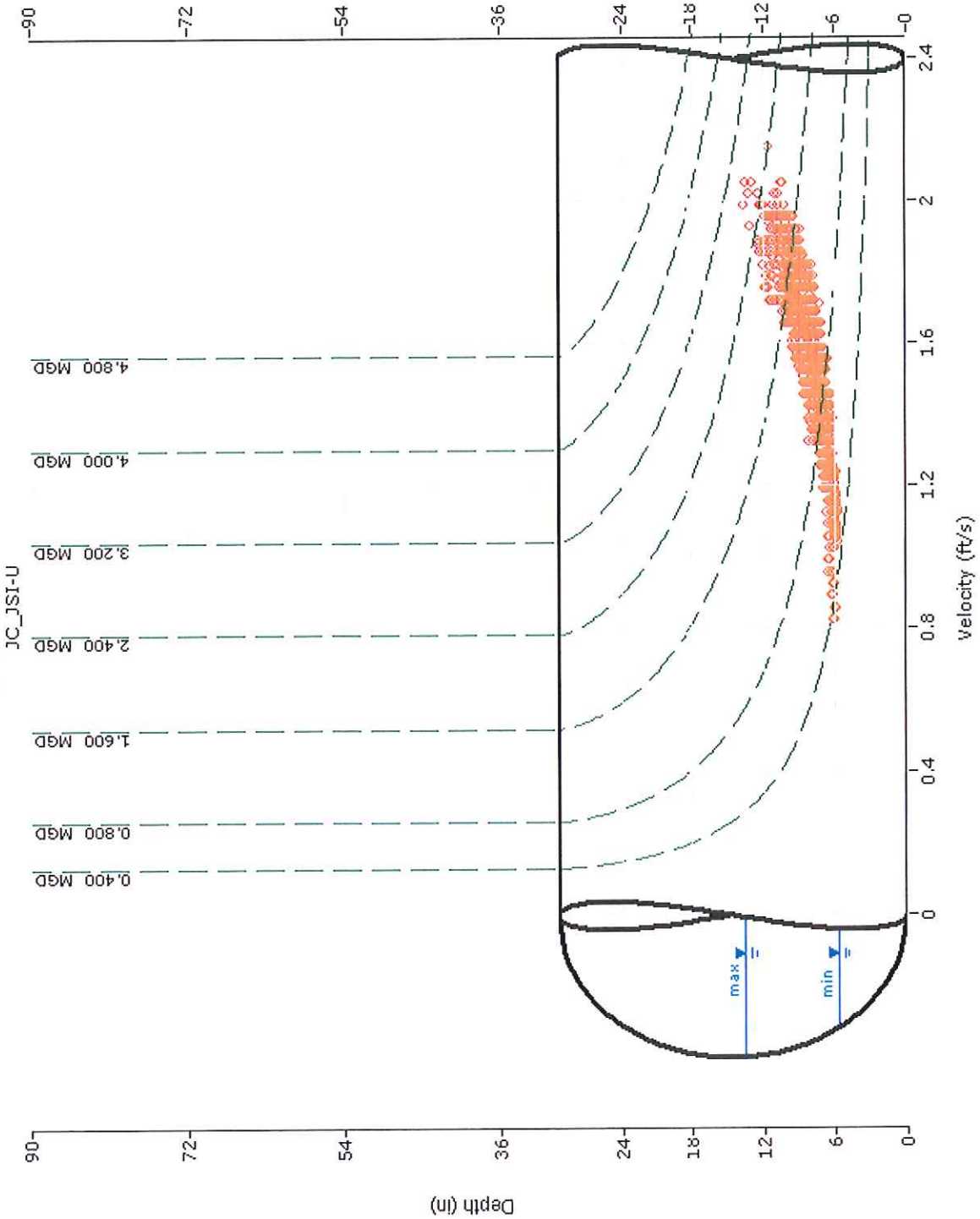
Other Information:
N 41° 47' 46.5" W 71° 28' 56.1"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		X		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		X		
Surcharge Height:	4 Feet	WWTP		X		
Rain Gauge Zone:	RG-1	Other		X		

Additional Site Information / Comments:
PRESS SN 79888 PO 1.5 GROUND WATER GAUGE

SCATTERGRAPH REPORT



Flow Monitor
JC_JSI-U

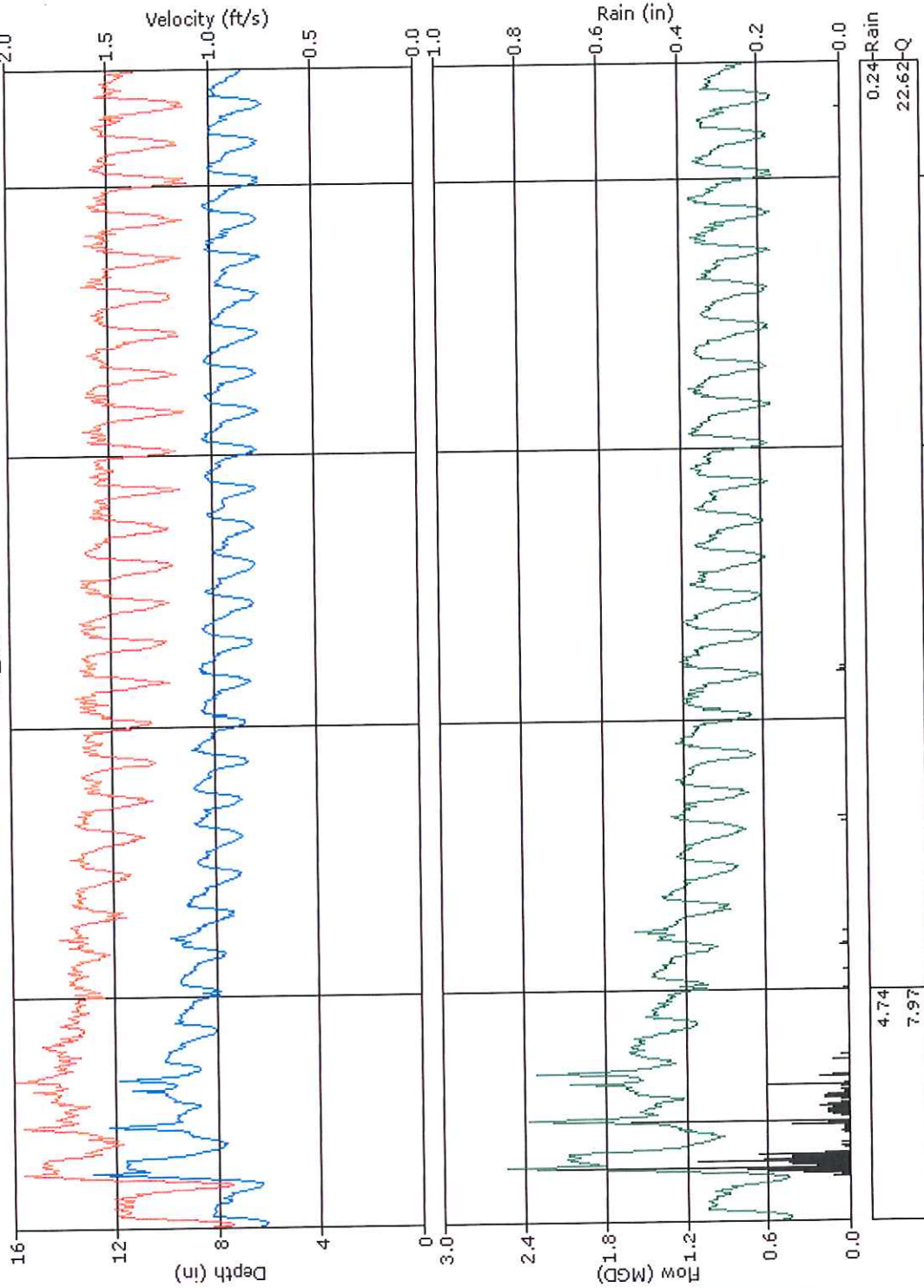
Nominal Diameter
30-in

Report Period
9/25/2008
To
12/1/2008

Legend
 ○ Depth - Velocity
 - - - Iso-Q™
 - - - Silt
 ▽ Min-Max Depth

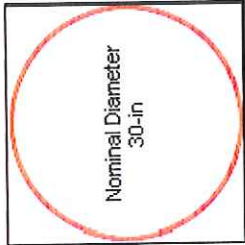
HYDROGRAPH REPORT

JC_JSI-U



Flow Monitor

JC_JSI-U



Report Period

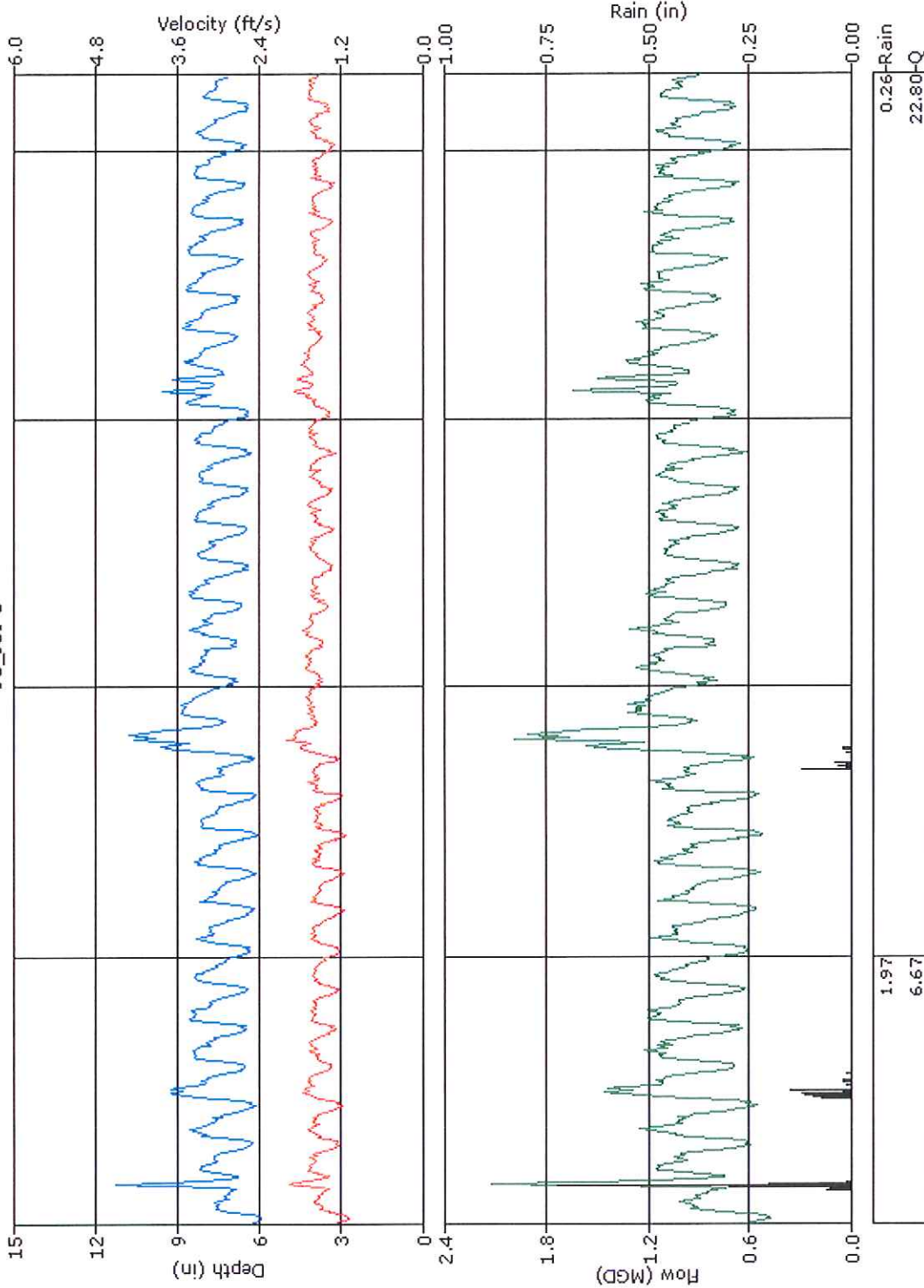
9/25/2008
To
10/24/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JSI-U



Flow Monitor
JC_JSI-U

Nominal Diameter
30-in

Report Period
10/25/2008
To
11/23/2008

Legend

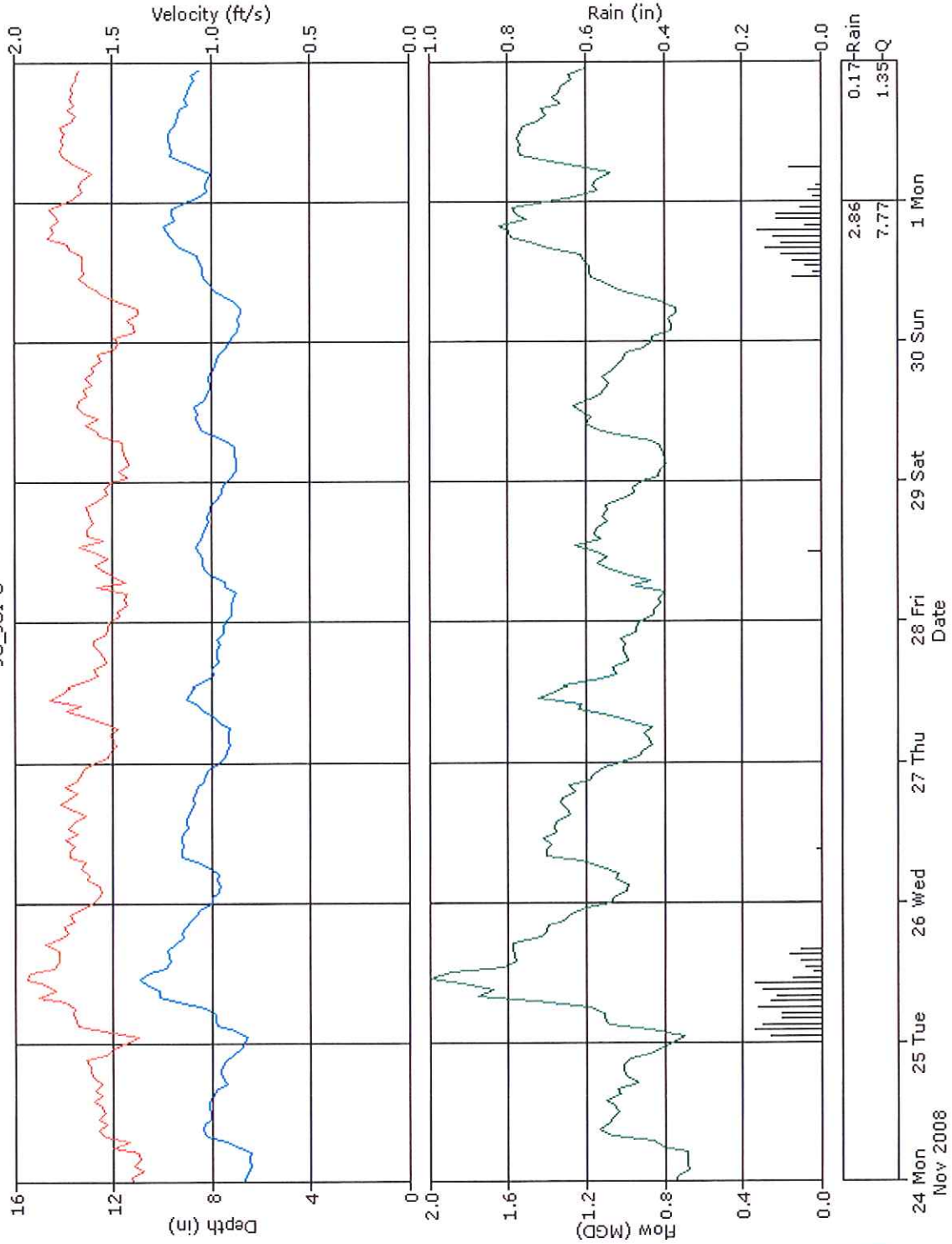
- Depth
- Silt
- Velocity
- Quantity
- Rain



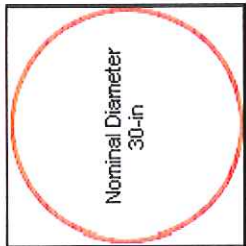
Nov 2008

HYDROGRAPH REPORT

JC_JSI-U



Flow Monitor
JC_JSI-U



Report Period
11/24/2008
to
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-U, Pipe Height: 30"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008	04:30	6.88	08:30	8.75	7.37	03:00	0.83	13:15	1.66	1.32	03:00	0.371	13:15	1.178	0.811	0.811	
9/26/2008	03:30	6.02	11:15	13.59	9.39	05:00	0.83	11:00	2.03	1.55	05:00	0.385	11:15	2.750	1.404	1.404	2.91
9/27/2008	05:30	7.42	16:15	13.40	9.11	05:45	1.36	16:15	2.06	1.66	05:45	0.858	16:15	2.790	1.358	1.358	1.06
9/28/2008	04:15	8.37	21:00	12.86	9.81	05:30	1.49	21:00	2.06	1.78	05:30	1.117	21:00	2.645	1.600	1.600	0.71
9/29/2008	03:15	8.51	08:30	10.19	9.39	03:15	1.59	01:30	1.93	1.77	03:15	1.168	18:15	1.766	1.484	1.484	0.06
9/30/2008	05:45	7.94	08:15	9.92	8.88	23:15	1.53	07:30	1.86	1.69	05:45	1.060	08:15	1.565	1.312	1.312	
10/1/2008	02:15	7.79	10:45	9.68	8.74	01:15	1.53	11:00	1.83	1.66	02:15	0.988	11:00	1.548	1.269	1.269	0.10
10/2/2008	02:30	7.47	13:30	10.49	8.58	03:30	1.46	13:30	1.86	1.64	03:30	0.910	13:30	1.819	1.224	1.224	0.06
10/3/2008	02:45	7.16	10:15	9.53	8.28	05:00	1.36	18:00	1.79	1.61	05:00	0.801	10:15	1.489	1.145	1.145	
10/4/2008	05:15	6.89	14:30	9.01	7.95	02:30	1.29	10:45	1.76	1.58	02:30	0.735	14:30	1.317	1.058	1.058	
10/5/2008	05:00	6.75	11:30	9.15	7.92	04:30	1.33	17:15	1.79	1.55	05:00	0.703	17:15	1.362	1.036	1.036	0.03
10/6/2008	03:45	6.86	10:15	9.34	7.97	03:15	1.26	18:00	1.76	1.53	03:15	0.684	10:15	1.439	1.034	1.034	
10/7/2008	03:45	6.52	10:45	9.26	7.83	02:45	1.20	08:45	1.73	1.52	02:45	0.604	10:45	1.367	1.001	1.001	
10/8/2008	05:00	6.55	09:30	8.82	7.74	05:00	1.23	12:45	1.73	1.53	05:00	0.623	08:45	1.265	0.988	0.988	
10/9/2008	03:30	6.47	12:15	8.92	7.73	03:30	1.20	07:45	1.79	1.52	03:30	0.595	07:45	1.327	0.985	0.985	0.04
10/10/2008	05:45	6.34	12:00	8.55	7.56	03:45	1.16	13:15	1.76	1.50	05:45	0.563	13:15	1.289	0.942	0.942	
10/11/2008	05:00	6.28	09:30	8.39	7.37	05:00	1.16	11:45	1.73	1.47	05:00	0.555	11:45	1.223	0.891	0.891	
10/12/2008	05:30	6.21	12:15	8.32	7.16	05:30	1.13	09:30	1.66	1.45	05:30	0.531	13:15	1.174	0.843	0.843	
10/13/2008	03:30	6.21	11:45	8.41	7.29	03:30	1.10	10:45	1.66	1.45	03:30	0.515	11:45	1.150	0.865	0.865	
10/14/2008	03:15	6.16	12:15	8.54	7.43	03:15	1.10	13:00	1.69	1.46	03:15	0.509	12:15	1.222	0.898	0.898	
10/15/2008	03:00	6.08	11:45	8.78	7.44	03:00	1.10	08:45	1.66	1.46	03:00	0.500	11:45	1.246	0.901	0.901	
10/16/2008	03:15	6.04	11:00	8.63	7.38	04:15	1.10	21:00	1.76	1.45	04:15	0.501	11:00	1.242	0.883	0.883	
10/17/2008	03:15	6.11	11:15	8.62	7.36	03:30	1.13	11:15	1.66	1.45	04:00	0.520	11:15	1.241	0.877	0.877	
10/18/2008	04:30	6.00	11:30	8.28	7.15	03:00	1.10	16:30	1.66	1.42	04:00	0.495	16:30	1.105	0.829	0.829	
10/19/2008	05:15	5.94	19:45	7.97	7.06	01:45	1.13	10:15	1.73	1.42	05:15	0.498	10:15	1.131	0.809	0.809	
10/20/2008	03:30	5.82	09:00	8.43	7.24	01:15	1.10	12:45	1.66	1.43	03:30	0.488	09:00	1.177	0.848	0.848	
10/21/2008	04:00	5.91	12:45	8.43	7.25	03:45	1.10	11:15	1.66	1.43	03:45	0.498	12:45	1.201	0.850	0.850	
10/22/2008	04:15	5.92	14:15	8.30	7.19	02:45	1.06	11:45	1.66	1.41	02:45	0.473	11:45	1.135	0.831	0.831	
10/23/2008	04:00	6.04	12:30	8.39	7.17	03:30	1.10	10:45	1.69	1.41	03:30	0.502	10:45	1.189	0.825	0.825	0.01
10/24/2008	04:30	5.78	08:45	8.22	7.04	02:00	1.06	08:30	1.59	1.39	02:15	0.457	08:45	1.089	0.791	0.791	
10/25/2008	04:15	5.79	14:15	7.97	6.91	04:15	1.05	16:15	1.71	1.39	04:15	0.446	14:00	1.112	0.772	0.772	0.11
10/26/2008	07:15	6.49	02:15	11.93	7.87	07:15	1.29	01:45	2.06	1.62	07:15	0.648	02:15	2.317	1.084	1.084	1.23
10/27/2008	02:45	6.08	11:45	8.76	7.40	04:45	1.13	12:45	1.83	1.50	04:45	0.521	11:45	1.390	0.915	0.915	
10/28/2008	03:45	5.99	11:15	9.86	7.77	03:00	1.16	11:15	1.93	1.54	03:45	0.518	11:15	1.730	1.020	1.020	0.63
10/29/2008	04:00	6.41	13:30	8.77	7.65	04:45	1.26	10:15	1.76	1.54	04:45	0.630	10:15	1.296	0.981	0.981	
10/30/2008	03:15	6.28	09:45	8.79	7.66	03:15	1.16	12:00	1.69	1.53	03:15	0.555	14:30	1.286	0.976	0.976	
10/31/2008	02:45	6.20	10:45	8.75	7.49	02:45	1.13	09:00	1.79	1.49	02:45	0.529	09:00	1.359	0.921	0.921	
11/1/2008	04:45	6.19	11:45	8.70	7.35	04:45	1.13	11:45	1.73	1.48	04:45	0.528	11:45	1.305	0.893	0.893	
11/2/2008	06:45	6.00	11:45	8.58	7.18	04:15	1.10	10:30	1.66	1.44	04:15	0.511	11:45	1.230	0.844	0.844	
11/3/2008	04:45	5.99	12:00	8.80	7.39	04:45	1.08	08:45	1.76	1.46	04:45	0.481	12:00	1.292	0.892	0.892	
11/4/2008	04:00	6.00	10:45	8.35	7.32	04:30	1.06	13:45	1.66	1.45	04:30	0.477	14:00	1.183	0.872	0.872	
11/5/2008	05:00	5.91	14:30	8.62	7.35	05:00	1.10	14:30	1.76	1.48	05:00	0.480	14:30	1.314	0.901	0.901	0.16

Date	Depth					Velocity					Quantity						Rain
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	05:45	6.08	16:30	11.82	8.42	03:00	1.20	16:30	2.16	1.64	05:45	0.546	16:30	2.422	1.238	1.238	0.10
11/7/2008	04:30	6.88	08:45	9.35	8.14	01:45	1.49	09:00	1.80	1.63	04:30	0.813	09:00	1.446	1.128	1.128	
11/8/2008	06:00	6.74	10:45	8.80	7.80	00:30	1.43	11:00	1.76	1.61	04:00	0.771	13:15	1.309	1.051	1.051	
11/9/2008	04:30	6.71	12:15	8.92	7.65	02:30	1.43	12:15	1.93	1.61	03:30	0.750	12:15	1.508	1.025	1.025	
11/10/2008	05:00	6.37	08:45	8.99	7.69	05:00	1.29	13:15	1.73	1.55	05:00	0.630	08:45	1.313	0.993	0.993	
11/11/2008	02:15	6.27	12:45	8.55	7.45	02:45	1.29	14:30	1.73	1.53	04:00	0.622	10:45	1.185	0.938	0.938	
11/12/2008	04:30	6.29	11:15	8.69	7.56	04:15	1.23	19:30	1.76	1.55	04:15	0.605	11:15	1.253	0.970	0.970	
11/13/2008	04:15	6.35	14:00	8.60	7.50	04:00	1.26	12:15	1.79	1.54	04:00	0.620	12:15	1.266	0.952	0.952	
11/14/2008	03:45	6.13	11:30	8.62	7.49	03:30	1.23	08:45	1.73	1.56	03:45	0.567	08:45	1.233	0.963	0.963	
11/15/2008	04:00	6.28	18:15	10.23	7.74	04:00	1.26	18:30	1.96	1.60	04:00	0.602	18:15	1.819	1.042	1.042	
11/16/2008	06:00	7.12	00:45	9.58	8.12	00:15	1.56	01:45	1.93	1.70	06:00	0.891	01:45	1.596	1.174	1.174	
11/17/2008	04:30	6.52	08:45	9.15	7.89	03:15	1.39	13:00	1.79	1.60	03:15	0.715	13:00	1.371	1.058	1.058	
11/18/2008	05:00	6.57	10:15	9.02	7.86	03:30	1.36	13:15	1.83	1.58	03:30	0.701	13:15	1.443	1.045	1.045	
11/19/2008	03:45	6.48	12:00	8.82	7.81	01:30	1.29	07:30	1.69	1.56	01:30	0.660	08:30	1.264	1.018	1.018	
11/20/2008	03:45	6.48	13:00	8.78	7.74	04:15	1.26	10:30	1.69	1.53	04:15	0.642	10:30	1.244	0.990	0.990	
11/21/2008	05:15	6.35	10:30	8.79	7.62	02:15	1.26	13:15	1.73	1.51	02:15	0.620	13:15	1.256	0.957	0.957	
11/22/2008	03:45	6.37	12:30	8.81	7.44	04:30	1.23	13:00	1.79	1.51	04:30	0.612	13:00	1.326	0.927	0.927	
11/23/2008	06:15	6.24	11:45	8.55	7.26	04:15	1.26	09:00	1.83	1.57	04:15	0.603	10:15	1.258	0.931	0.931	
11/24/2008	03:15	6.18	09:30	8.62	7.41	02:00	1.26	19:00	1.69	1.51	05:00	0.599	09:30	1.239	0.921	0.921	
11/25/2008	01:00	6.41	11:15	11.08	8.97	01:00	1.29	11:15	2.03	1.73	01:00	0.636	11:15	2.132	1.389	1.389	1.69
11/26/2008	03:30	7.46	09:15	9.65	8.51	02:15	1.53	16:45	1.83	1.67	03:30	0.931	08:30	1.514	1.227	1.227	0.01
11/27/2008	05:15	7.09	12:30	9.19	7.85	02:45	1.39	11:00	1.89	1.59	02:45	0.806	11:00	1.527	1.048	1.048	
11/28/2008	05:15	6.79	13:15	8.85	7.85	04:00	1.33	13:15	1.73	1.55	05:15	0.709	13:15	1.337	1.018	1.018	0.03
11/29/2008	03:45	6.74	13:15	8.87	7.79	06:15	1.29	10:15	1.73	1.55	06:15	0.705	12:00	1.336	1.014	1.014	
11/30/2008	02:00	6.59	22:30	10.05	8.23	06:30	1.29	18:00	1.93	1.61	06:30	0.679	22:30	1.756	1.153	1.153	1.13
12/1/2008	05:00	7.82	12:30	10.16	8.97	02:15	1.56	07:45	1.93	1.70	05:00	1.060	12:30	1.734	1.348	1.348	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			69.179	10.24
Report Avg	7.79	1.54	1.017	

Site Commentary

Site Information

JC_JSI-V	
Pipe Dimensions	Circular (26.50 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-V indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	4.98	2.26	0.751
Minimum	3.18	1.42	0.246
Maximum	8.23	3.49	2.285
Time of Minimum	10/21/2008 4:00 AM	10/28/2008 3:15 AM	10/21/2008 4:00 AM
Time of Maximum	10/26/2008 2:30 AM	10/26/2008 2:30 AM	10/26/2008 2:30 AM

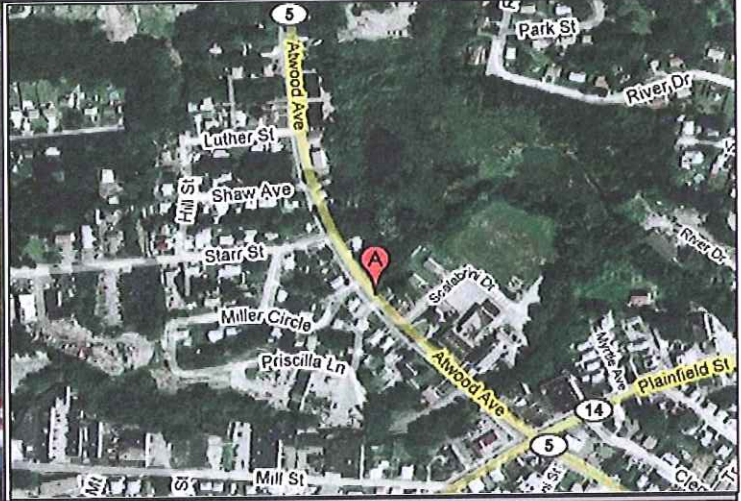
Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

a division of ADS LLC.

Site Name:	JC JSI-V	Meter Type:	1502	Monitor S/N:	9980	Manhole #:	JSI-V
Address / Location:	938 Atwood Avenue			Map Page #:	N/A		
	***NEED DETAIL W/CRUISER (24 NOTICE)**			Pipe Height:	26.5 Inches		
Access:	Drive	Type of System:	Sanitary	Pipe Width:	26.5 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 18, 2008	10:40 AM	Manhole Depth:	10 Feet	6.5 Inches
Site Hydraulics:			Manhole Material / Condition:	Precast	Good
			Active Drop Connections?		
Upstream Input: (L/S, P/S)			Pipe Material / Condition:	PVC	Good
Upstream Manhole:			Mini System Character:	Residential	
Downstream Manhole:			Telephone Information:		
Depth of Flow (Wet Dof):	6 +/-	0.25	Access Pole #:	N/A	
Range (Air Dof):	19 +/-	0.25	Distance From Manhole:	N/A Feet	
Peak Velocity:	2.56 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:
 N 41 47' 49.9" W 71 29' 4.2"

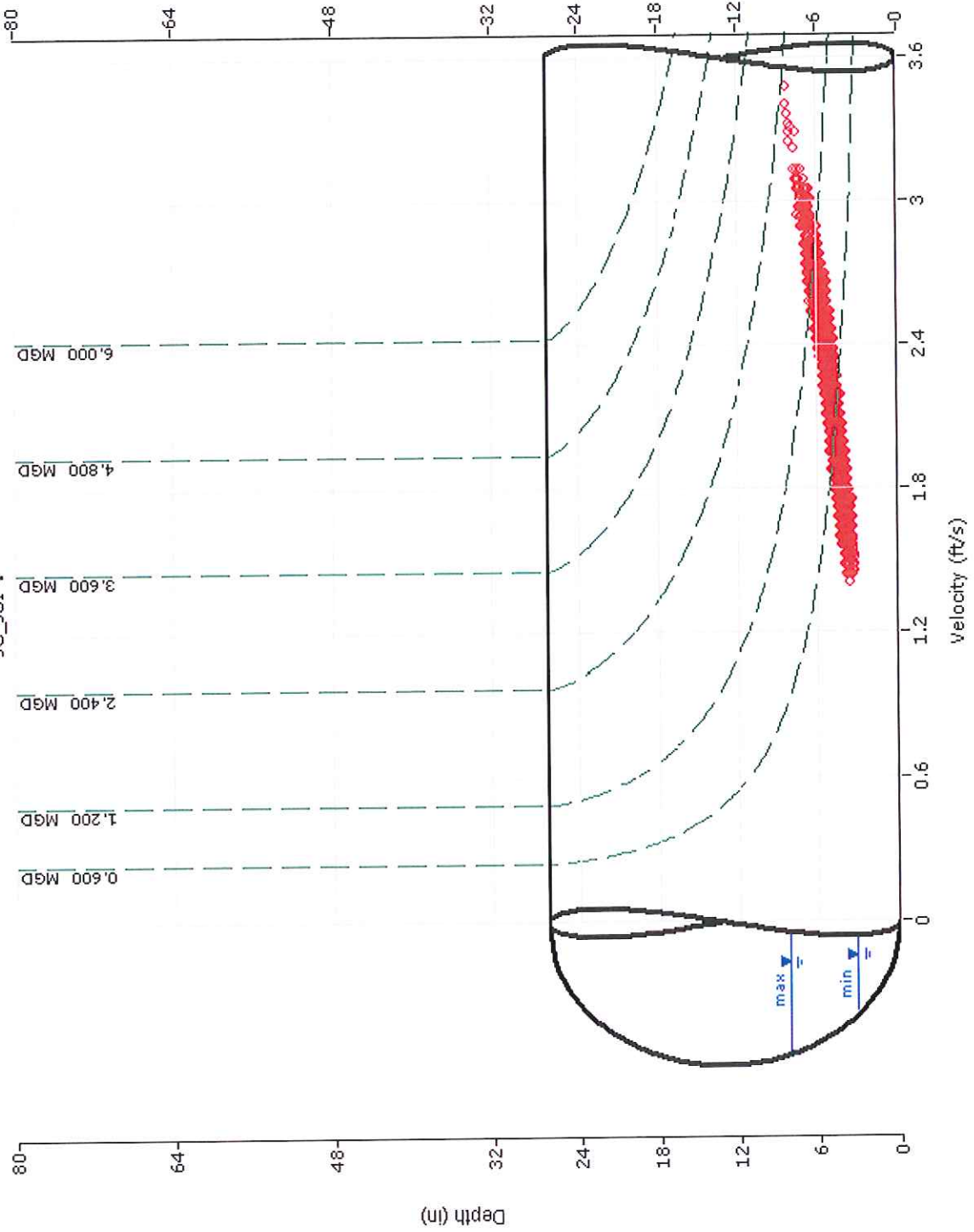


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	VVWTP		x		
Rain Gauge Zone:	RG-1	Other		x		

Additional Site Information / Comments:

PRESS SN 40163 PO 1.5"

SCATTERGRAPH REPORT
JC_JSI-V



Flow Monitor
JC_JSI-V

Nominal Diameter
27-in

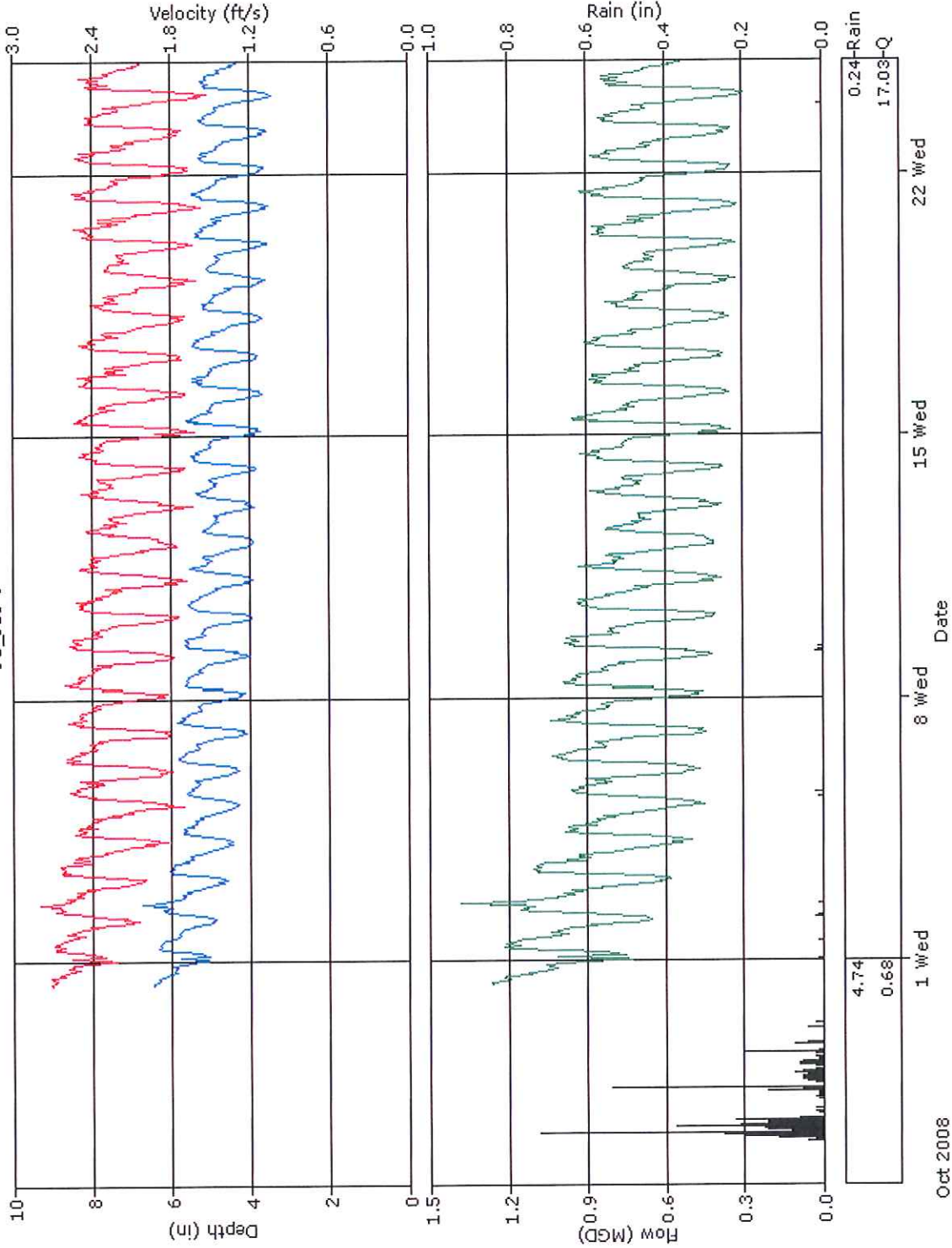
Report Period
9/25/2008
To
12/1/2008

Legend

- Depth - Velocity
- Iso-Q™
- Silt
- Min-Max Depth

HYDROGRAPH REPORT

JC_JSI-V



Flow Monitor
JC_JSI-V

Nominal Diameter
27-in

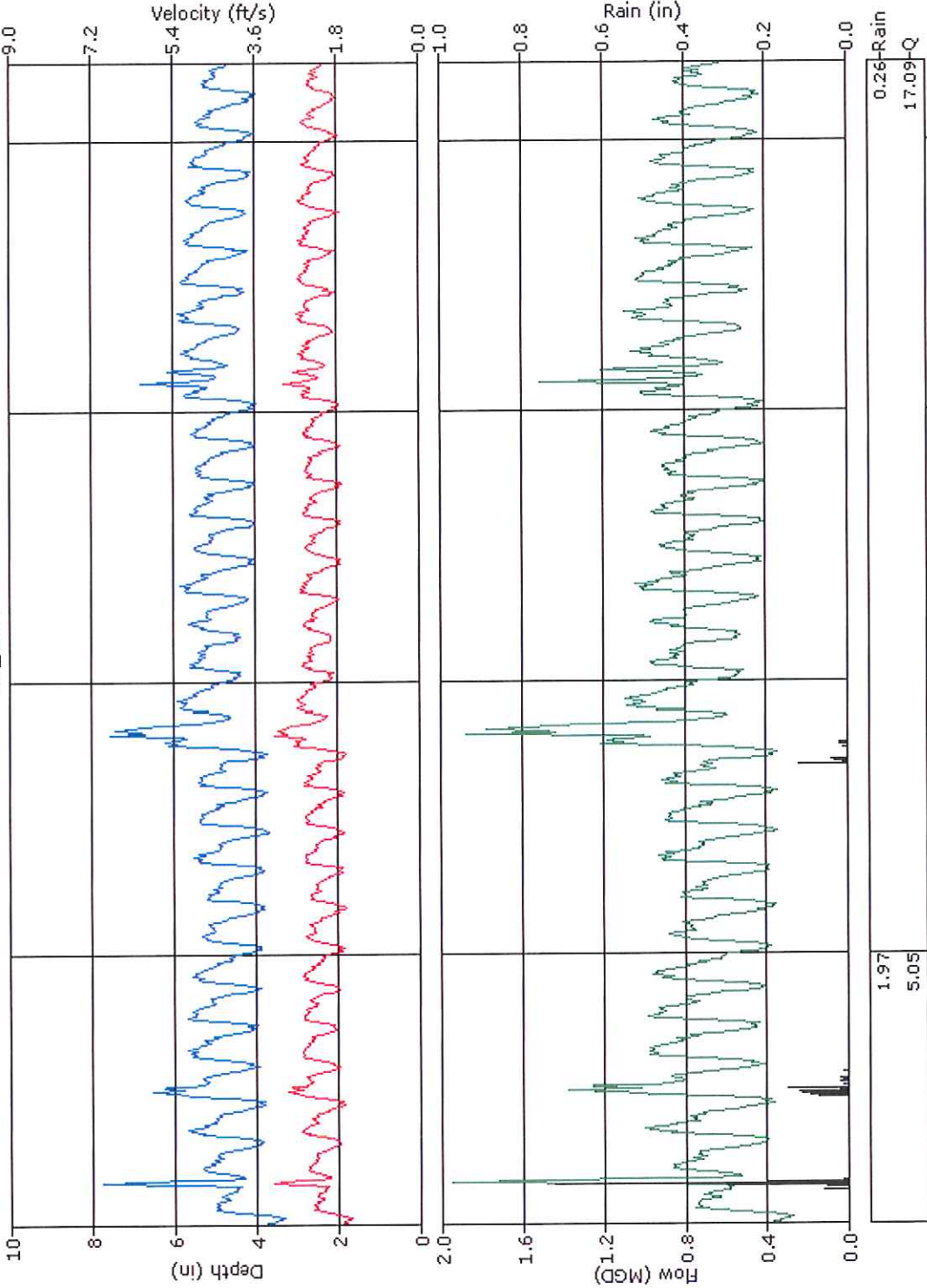
Report Period
9/25/2008
To
10/24/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JSI-V



Flow Monitor
JC_JSI-V

Nominal Diameter
27-in

Report Period
10/25/2008
To
11/23/2008

- Legend**
- Depth
 - Silt
 - Velocity
 - Quantity
 - Rain

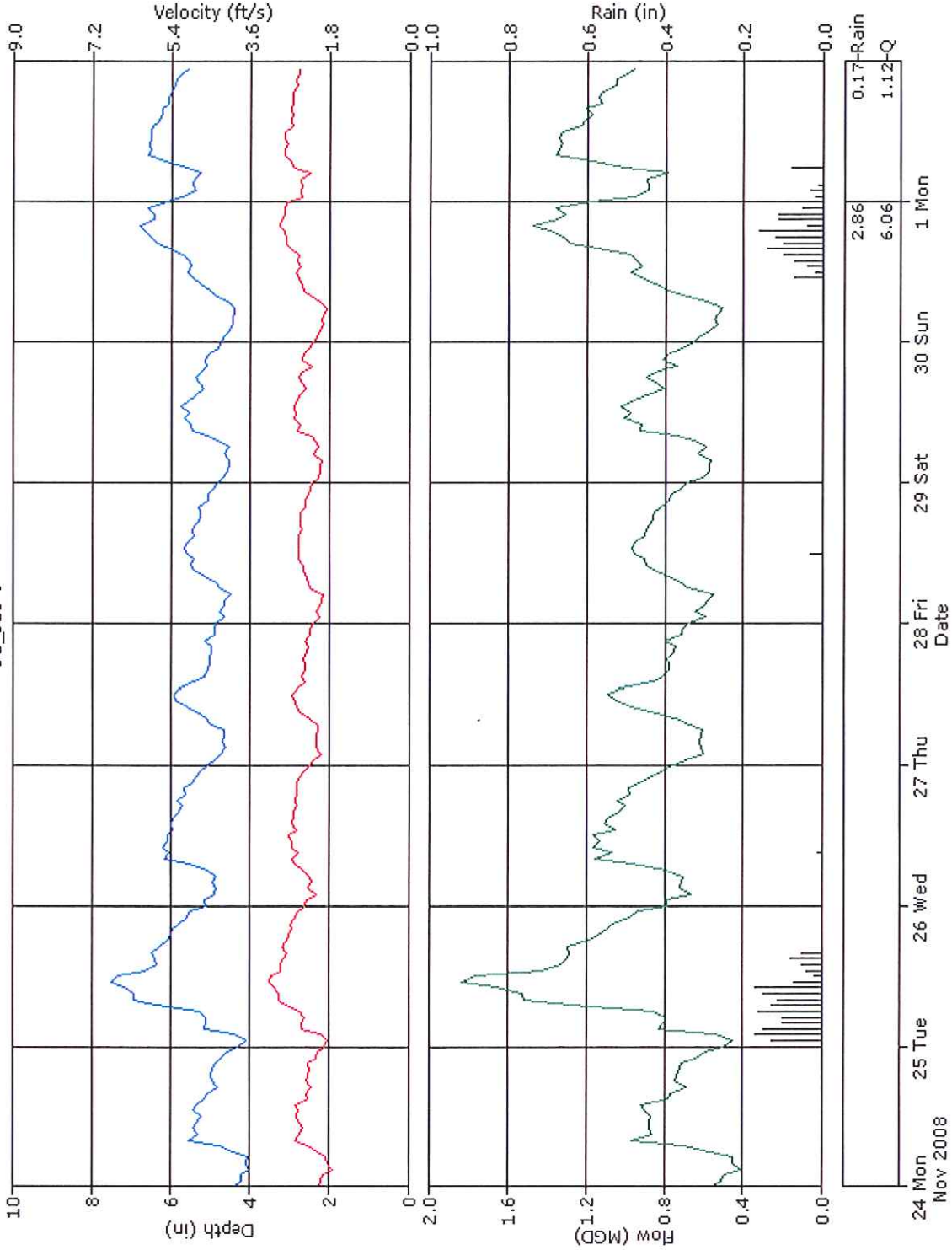


Nov 2008

Date
1 Sat 8 Sat 15 Sat 22 Sat

HYDROGRAPH REPORT

JC_JSI-V



Flow Monitor
JC_JSI-V

Nominal Diameter
27-in

Report Period
11/24/2008
To
12/1/2008

Legend
 — Depth
 — Silt
 — Velocity
 — Quantity
 — Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-V, Pipe Height: 27"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity						Rain
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008																	
9/26/2008																	2.91
9/27/2008																	1.06
9/28/2008																	0.71
9/29/2008																	0.06
9/30/2008	23:30	5.31	10:15	6.59	6.04	23:30	2.27	10:15	2.78	2.61	23:30	0.804	10:15	1.338	1.112	0.683	
10/1/2008	02:15	4.88	09:30	6.62	5.71	01:00	2.04	11:15	2.86	2.50	01:00	0.663	11:15	1.368	0.988	0.988	0.10
10/2/2008	04:30	4.73	13:30	7.41	5.60	02:45	1.88	13:30	2.95	2.45	02:45	0.587	13:30	1.670	0.946	0.946	0.06
10/3/2008	04:00	4.50	10:15	6.40	5.39	05:15	1.80	10:30	2.74	2.39	05:15	0.532	10:15	1.209	0.875	0.875	
10/4/2008	05:15	4.19	13:45	5.82	5.13	05:45	1.69	09:45	2.59	2.26	05:45	0.451	10:30	1.032	0.772	0.772	
10/5/2008	05:15	4.14	13:45	5.71	5.03	04:45	1.57	13:00	2.63	2.25	04:45	0.401	13:45	1.015	0.745	0.745	0.03
10/6/2008	03:15	4.19	10:15	6.01	5.13	03:30	1.57	09:30	2.67	2.27	03:30	0.400	10:15	1.124	0.779	0.779	
10/7/2008	04:30	3.98	10:45	6.28	5.07	01:30	1.61	08:15	2.67	2.26	04:30	0.384	10:45	1.195	0.764	0.764	
10/8/2008	02:45	3.97	09:30	5.86	5.04	04:00	1.65	10:30	2.67	2.28	04:00	0.383	10:30	1.062	0.761	0.761	
10/9/2008	03:30	3.90	11:45	5.85	5.02	05:45	1.57	11:45	2.70	2.26	04:15	0.383	11:45	1.096	0.752	0.752	0.04
10/10/2008	05:45	3.85	12:15	5.81	4.92	04:30	1.61	11:30	2.67	2.22	04:30	0.368	12:15	1.072	0.719	0.719	
10/11/2008	04:30	3.66	11:45	5.68	4.74	04:30	1.49	11:00	2.55	2.17	04:30	0.308	11:00	0.966	0.665	0.665	
10/12/2008	05:30	3.70	11:00	5.31	4.59	02:00	1.61	12:45	2.59	2.12	03:30	0.367	12:45	0.884	0.616	0.616	
10/13/2008	03:30	3.76	11:45	5.51	4.67	03:45	1.53	12:00	2.59	2.14	03:45	0.339	12:30	0.926	0.642	0.642	
10/14/2008	04:00	3.71	12:15	5.87	4.79	03:30	1.53	12:15	2.67	2.19	03:30	0.327	12:15	1.087	0.683	0.683	
10/15/2008	05:00	3.56	11:45	5.88	4.77	03:00	1.55	09:00	2.59	2.19	03:00	0.316	11:45	1.057	0.682	0.682	
10/16/2008	04:15	3.38	11:00	5.82	4.71	03:30	1.57	15:45	2.59	2.17	03:30	0.291	11:00	1.026	0.663	0.663	
10/17/2008	04:00	3.54	11:15	5.64	4.73	04:45	1.57	10:30	2.55	2.15	04:00	0.324	11:15	0.981	0.659	0.659	
10/18/2008	05:15	3.43	10:30	5.53	4.55	04:15	1.49	10:30	2.55	2.08	06:00	0.303	10:30	0.955	0.600	0.600	
10/19/2008	05:15	3.31	14:15	5.21	4.47	06:30	1.49	13:30	2.47	2.04	05:15	0.272	13:30	0.830	0.577	0.577	
10/20/2008	03:30	3.26	12:45	5.59	4.61	03:45	1.49	14:30	2.59	2.14	03:30	0.264	12:45	0.974	0.637	0.637	
10/21/2008	04:00	3.18	11:30	5.65	4.62	03:30	1.45	13:45	2.63	2.14	04:00	0.246	13:45	1.014	0.642	0.642	
10/22/2008	03:00	3.44	10:00	5.57	4.59	05:00	1.45	15:15	2.67	2.14	03:00	0.288	10:00	0.994	0.630	0.630	
10/23/2008	04:15	3.40	11:00	5.65	4.56	02:15	1.61	12:45	2.63	2.13	05:45	0.315	11:00	0.985	0.620	0.620	0.01
10/24/2008	03:15	3.29	08:45	5.56	4.51	02:15	1.45	08:45	2.63	2.10	02:15	0.263	08:45	0.990	0.608	0.608	
10/25/2008	05:45	3.19	12:45	5.21	4.38	05:30	1.45	13:15	2.51	2.04	05:45	0.252	14:00	0.849	0.563	0.563	0.11
10/26/2008	07:15	3.95	02:30	8.23	5.11	07:15	1.84	02:30	3.49	2.36	07:15	0.426	02:30	2.285	0.815	0.815	1.23
10/27/2008	02:45	3.63	12:15	5.78	4.77	04:00	1.57	08:30	2.74	2.22	04:00	0.326	08:30	1.068	0.691	0.691	
10/28/2008	03:15	3.63	11:15	7.12	5.06	03:15	1.42	11:15	3.03	2.32	03:15	0.289	11:15	1.623	0.799	0.799	0.63
10/29/2008	02:30	3.82	13:30	5.98	4.95	02:30	1.57	09:00	2.70	2.30	02:30	0.345	09:00	1.102	0.752	0.752	
10/30/2008	02:45	3.82	09:45	5.92	4.92	05:15	1.65	13:15	2.67	2.27	05:15	0.363	09:45	1.068	0.735	0.735	
10/31/2008	04:45	3.80	11:00	5.90	4.80	03:15	1.61	13:45	2.70	2.22	03:15	0.356	11:00	1.013	0.693	0.693	
11/1/2008	05:30	3.55	13:15	5.47	4.69	04:00	1.57	12:15	2.55	2.15	05:30	0.324	13:15	0.941	0.648	0.648	
11/2/2008	06:45	3.56	11:15	5.47	4.57	04:45	1.45	11:15	2.63	2.09	04:45	0.295	11:15	0.969	0.610	0.610	
11/3/2008	05:00	3.46	12:00	5.69	4.73	05:00	1.50	09:45	2.70	2.19	05:00	0.285	12:00	0.993	0.673	0.673	
11/4/2008	06:00	3.51	11:15	5.56	4.71	04:30	1.57	09:45	2.59	2.17	04:30	0.313	09:45	0.975	0.664	0.664	
11/5/2008	05:30	3.53	14:45	5.61	4.70	05:30	1.54	11:15	2.67	2.17	05:30	0.302	11:15	0.970	0.659	0.659	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	03:15	3.62	16:15	8.21	5.50	05:00	1.49	16:15	3.41	2.43	05:00	0.312	16:15	2.229	0.974	0.974	0.10
11/7/2008	02:45	4.47	11:15	6.10	5.28	04:15	1.84	13:45	2.82	2.41	04:15	0.526	13:45	1.172	0.855	0.855	
11/8/2008	04:15	4.18	12:15	5.76	5.07	03:30	1.72	11:15	2.70	2.29	03:45	0.433	11:15	1.052	0.768	0.768	
11/9/2008	04:30	4.08	12:15	5.67	5.00	02:15	1.76	11:00	2.67	2.26	04:30	0.446	12:30	0.993	0.739	0.739	
11/10/2008	04:45	3.96	12:00	6.04	5.05	03:45	1.53	08:45	2.78	2.28	03:45	0.359	08:45	1.143	0.764	0.764	
11/11/2008	02:45	3.88	10:30	5.78	4.84	02:00	1.53	12:30	2.63	2.18	02:00	0.348	12:30	1.013	0.686	0.686	
11/12/2008	03:45	3.80	08:45	5.97	4.90	05:30	1.49	08:45	2.70	2.22	05:30	0.337	08:45	1.129	0.715	0.715	
11/13/2008	05:00	3.84	14:45	5.64	4.88	01:15	1.57	11:45	2.59	2.22	01:15	0.368	14:45	0.982	0.712	0.712	
11/14/2008	02:15	3.84	11:30	5.94	4.88	05:30	1.57	11:30	2.70	2.23	05:30	0.366	11:30	1.121	0.711	0.711	
11/15/2008	02:45	3.84	18:15	7.48	5.02	02:45	1.61	18:15	3.29	2.28	02:45	0.356	18:15	1.891	0.771	0.771	
11/16/2008	05:30	4.60	01:30	6.46	5.33	05:15	1.96	01:00	2.86	2.42	05:30	0.563	01:30	1.337	0.868	0.868	
11/17/2008	04:15	4.11	09:00	6.02	5.15	02:15	1.69	09:00	2.78	2.35	02:15	0.445	09:00	1.176	0.809	0.809	
11/18/2008	03:15	4.09	09:45	5.96	5.13	03:15	1.61	13:15	2.90	2.36	03:15	0.390	13:15	1.177	0.806	0.806	
11/19/2008	04:45	4.06	11:45	6.00	5.08	04:30	1.69	11:30	2.78	2.34	04:30	0.422	09:30	1.106	0.788	0.788	
11/20/2008	02:30	4.02	08:30	5.82	5.05	04:45	1.57	12:45	2.78	2.32	04:45	0.384	12:45	1.121	0.776	0.776	
11/21/2008	03:15	3.90	10:30	5.98	4.94	05:15	1.61	10:30	2.86	2.26	05:15	0.384	10:30	1.199	0.735	0.735	
11/22/2008	05:00	3.80	13:00	5.68	4.82	04:45	1.61	12:15	2.74	2.22	04:45	0.382	12:30	1.056	0.698	0.698	
11/23/2008	06:15	3.81	12:45	5.47	4.72	04:45	1.65	12:45	2.55	2.19	06:45	0.379	12:45	0.939	0.663	0.663	
11/24/2008	03:15	3.77	08:30	5.72	4.82	03:15	1.65	08:30	2.82	2.23	03:15	0.355	08:30	1.110	0.700	0.700	
11/25/2008	02:15	3.94	12:00	7.90	5.94	00:30	1.65	11:15	3.32	2.65	00:30	0.402	11:15	2.017	1.141	1.141	1.69
11/26/2008	05:30	4.71	08:30	6.56	5.56	02:15	1.96	12:45	2.82	2.49	02:15	0.608	08:30	1.273	0.947	0.947	0.01
11/27/2008	05:00	4.36	12:30	6.18	5.10	07:15	1.88	12:30	2.78	2.30	05:00	0.525	12:30	1.220	0.777	0.777	
11/28/2008	01:45	4.32	13:45	5.92	5.13	02:15	1.80	12:45	2.67	2.31	02:15	0.497	13:45	1.085	0.786	0.786	0.03
11/29/2008	06:00	4.28	11:15	5.97	5.09	02:00	1.84	12:30	2.74	2.32	03:45	0.524	11:15	1.114	0.782	0.782	
11/30/2008	06:30	4.14	19:30	7.12	5.47	03:30	1.72	21:15	3.06	2.44	03:30	0.447	20:30	1.566	0.931	0.931	1.13
12/1/2008	05:45	5.16	08:30	6.79	6.01	03:15	2.12	08:15	3.02	2.63	03:15	0.732	08:30	1.454	1.116	1.116	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			47.028	10.24
Report Avg	4.98	2.26	0.751	

Site Commentary

Site Information

JC_JSI-W	
Pipe Dimensions (in.)	Circular (26.50 in H)
Silt (in.)	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-W indicate this location functioned mostly in free-flow conditions for the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	3.80	3.24	0.718
Minimum	2.54	1.75	0.253
Maximum	7.52	6.33	3.577
Time of Minimum	9/26/2008 3:15 AM	10/15/2008 5:15 AM	9/26/2008 3:15 AM
Time of Maximum	9/25/2008 9:15 AM	9/27/2008 4:00 PM	9/25/2008 9:15 AM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period. Graphical data reports are based on an hourly average.

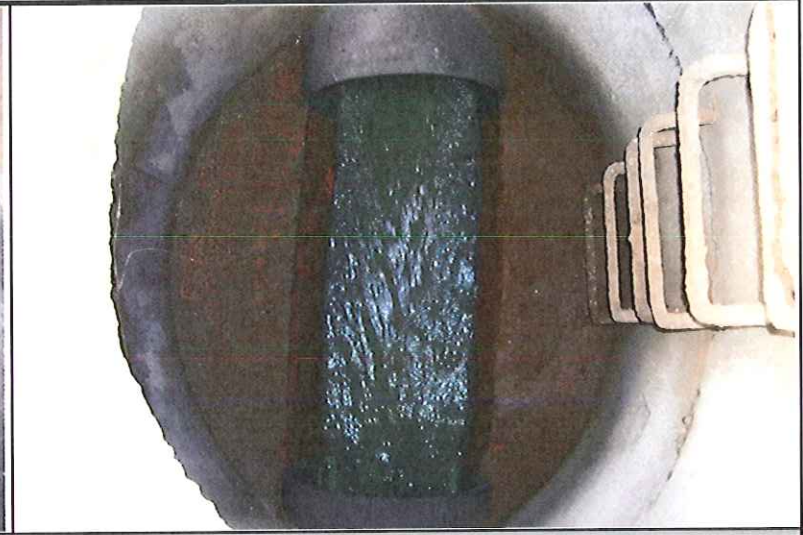
a division of ADS LLC.

Name:	JC JSI-W	Meter Type:	1502	Monitor S/N:	9026	Manhole #:	JSI-W
Address / Location:	1162 Atwood Avenue (Best wheels Imports)			Map Page #:	N/A		
	*** NEED DETAIL**			Pipe Height:	26.5 Inches		
Access:	Drive	Type of System:	Sanitary	Pipe Width:	26.5 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 23, 2008	1:43 PM	Manhole Depth:	10 Feet	
Site Hydraulics:	GOOD MODERATE FLOW		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	Good		Pipe Material / Condition:	PVC	Good
Downstream Manhole:	Good		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	5 +/-	0.25	Telephone Information:		
Range (Air Dof):	20 +/-	0.25	Access Pole #:	N/A	
Peak Velocity:	5.15	fps	Distance From Manhole:	N/A Feet	
Silt:	0	Inches	Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
N 41° 48' 17.0" W 71° 29' 22.5"

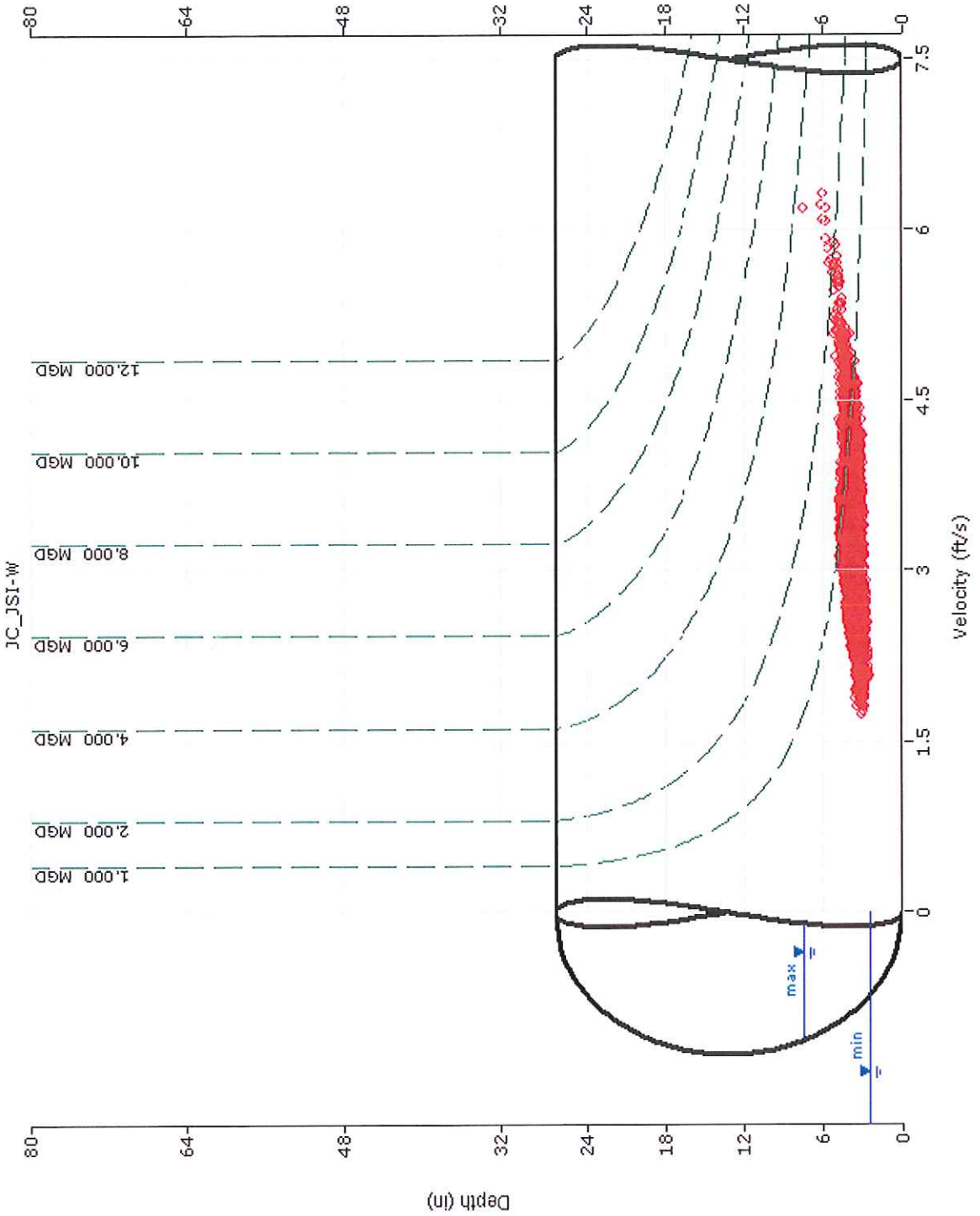


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-1	Other		x		

Additional Site Information / Comments:

PRESS SN 77911 P0 1.5 **GROUND WATER GAUGE**

SCATTERGRAPH REPORT



Flow Monitor
JC_JSI-W

Nominal Diameter
27-in

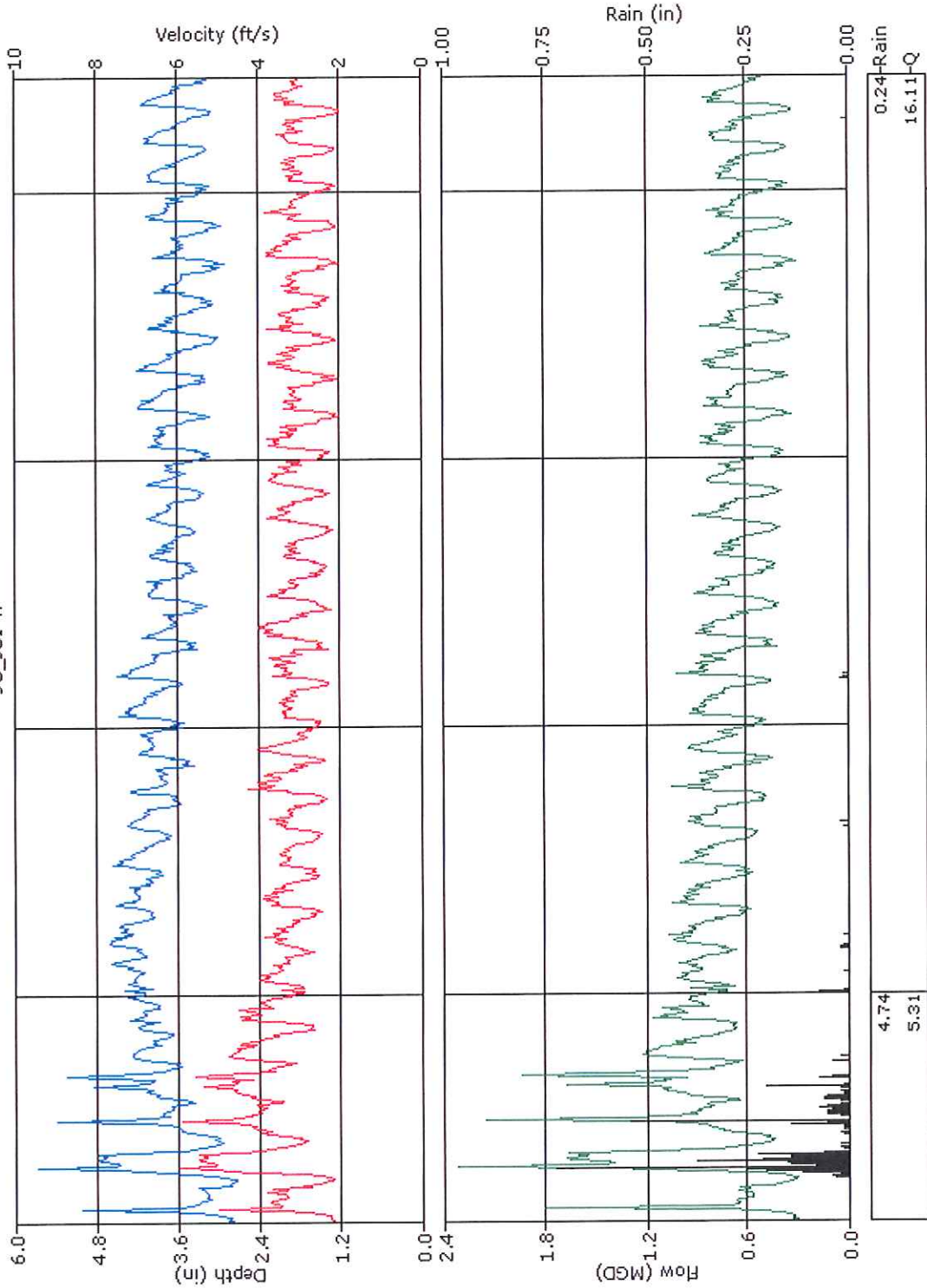
Report Period
9/25/2008
to
12/1/2008

Legend

- Depth - Velocity
- - - Iso-Q™
- ⋯ Silt
- ▾ Min-Max Depth

HYDROGRAPH REPORT

JC_JSI-W



Flow Monitor
JC_JSI-W

Nominal Diameter
27-in

Report Period
9/25/2008
To
10/24/2008

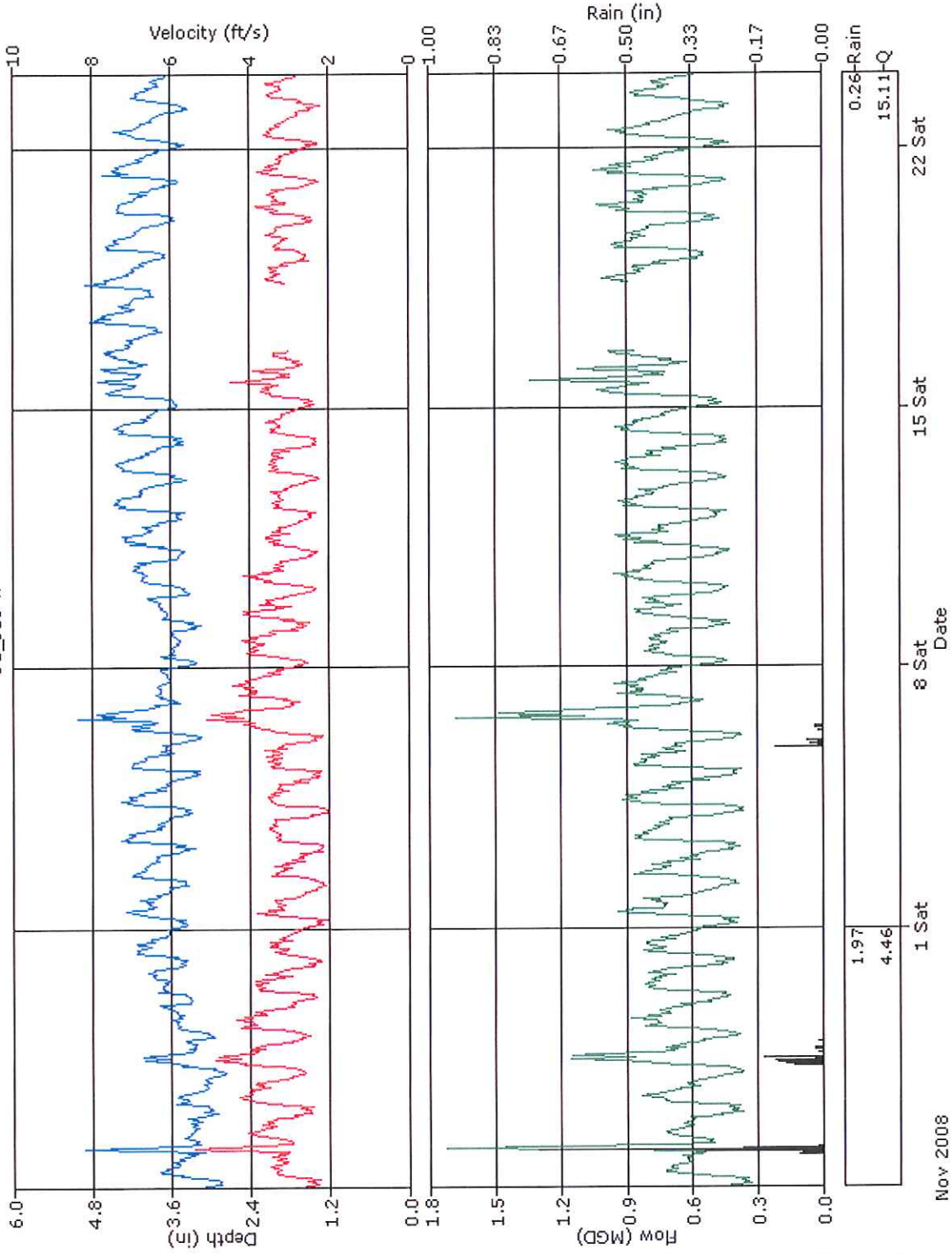
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

4.74
5.31
1 Wed
8 Wed
15 Wed
22 Wed
Date
0.24-Rain
16.11-Q
Oct 2008

HYDROGRAPH REPORT

JC_JSI-W



Flow Monitor
JC_JSI-W

Nominal Diameter
27-in

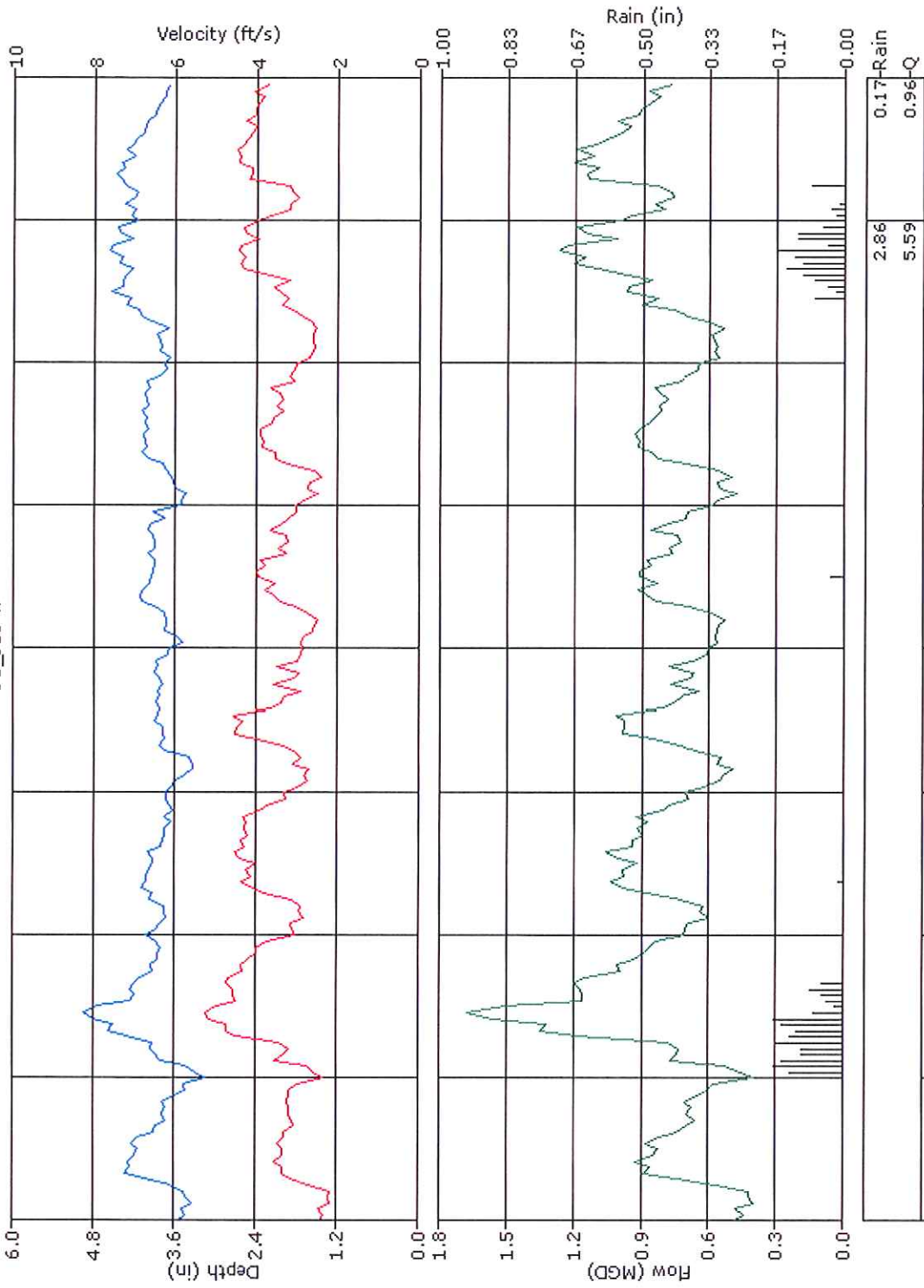
Report Period
10/25/2008
To
11/23/2008

Legend

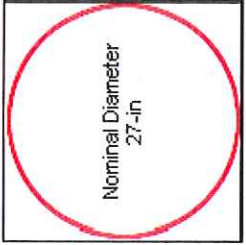
- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JSI-W



Flow Monitor
JC_JSI-W



Report Period
11/24/2008
To
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-W, Pipe Height: 27"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
9/25/2008	03:30	2.63	09:15	7.52	3.25	04:00	2.00	09:15	6.19	3.16	03:30	0.268	09:15	3.577	0.678	0.578	
9/26/2008	03:15	2.54	11:15	6.09	3.89	04:00	2.06	11:15	6.23	4.11	03:15	0.253	11:15	2.676	1.026	1.026	2.91
9/27/2008	02:00	2.89	16:00	6.05	3.58	04:00	2.44	16:00	6.33	3.90	04:00	0.374	16:00	2.691	0.819	0.819	1.06
9/28/2008	05:00	3.26	20:45	6.06	4.01	05:00	2.51	20:45	6.11	4.42	05:00	0.435	20:45	2.604	1.069	1.069	0.71
9/29/2008	03:30	3.47	11:30	4.46	3.93	03:30	2.92	14:45	4.95	4.06	03:30	0.559	09:00	1.317	0.940	0.940	0.06
9/30/2008	00:30	3.65	23:30	4.44	4.04	02:30	2.58	14:15	4.95	3.67	05:45	0.622	14:15	1.286	0.876	0.876	
10/1/2008	04:45	3.82	22:15	4.63	4.24	02:30	2.58	09:00	4.82	3.43	02:30	0.581	09:00	1.275	0.879	0.879	0.10
10/2/2008	23:30	3.85	10:00	4.70	4.32	03:15	2.58	18:00	4.33	3.30	03:15	0.630	13:15	1.130	0.872	0.872	0.06
10/3/2008	02:30	3.79	07:45	4.72	4.15	01:30	2.41	13:15	4.85	3.29	02:30	0.545	13:15	1.198	0.821	0.821	
10/4/2008	05:00	3.70	10:00	4.66	4.15	02:30	2.44	11:00	3.75	3.11	05:00	0.512	11:00	1.037	0.776	0.776	
10/5/2008	04:45	3.46	11:15	4.53	3.99	03:45	2.27	15:00	4.47	3.07	04:45	0.439	15:00	1.138	0.726	0.726	0.03
10/6/2008	23:30	3.34	09:00	4.35	3.83	03:15	2.20	12:30	4.61	3.26	03:15	0.440	10:00	1.115	0.723	0.723	
10/7/2008	03:30	3.20	10:30	4.28	3.86	03:15	2.30	12:30	4.58	3.10	03:30	0.409	10:30	1.170	0.698	0.698	
10/8/2008	04:45	3.38	08:30	4.60	3.96	03:00	2.37	16:00	4.02	3.08	03:00	0.445	08:30	1.037	0.721	0.721	
10/9/2008	02:15	3.40	08:45	4.61	3.95	04:30	2.17	14:30	4.16	3.07	04:30	0.416	08:30	1.058	0.716	0.716	0.04
10/10/2008	05:30	3.14	08:00	4.26	3.67	01:00	2.20	17:15	4.47	3.21	05:30	0.381	09:45	1.015	0.672	0.672	
10/11/2008	04:45	2.99	09:15	4.17	3.67	02:15	2.13	11:45	4.54	3.00	04:45	0.327	11:45	1.091	0.632	0.632	
10/12/2008	04:00	3.15	10:45	4.27	3.65	05:15	1.86	17:15	3.72	2.91	05:15	0.329	10:45	0.941	0.606	0.606	
10/13/2008	01:15	3.17	11:30	4.12	3.67	03:15	1.93	12:15	4.47	3.00	03:15	0.323	12:15	1.025	0.630	0.630	
10/14/2008	02:30	3.09	08:00	4.08	3.58	03:00	1.89	14:30	4.54	3.13	03:00	0.314	09:00	1.011	0.635	0.635	
10/15/2008	02:45	2.98	08:15	4.10	3.65	05:15	1.75	08:45	4.37	3.07	05:15	0.285	08:45	1.008	0.644	0.644	
10/16/2008	03:45	3.04	08:00	4.39	3.73	05:15	1.75	12:45	3.85	2.89	03:00	0.288	13:30	0.938	0.625	0.625	
10/17/2008	01:30	2.99	08:30	4.30	3.63	05:45	1.86	15:30	4.47	3.05	05:45	0.308	13:30	0.993	0.634	0.634	
10/18/2008	05:45	2.82	10:15	4.14	3.50	04:15	1.89	13:15	4.37	3.01	04:15	0.280	11:15	0.970	0.593	0.593	
10/19/2008	02:45	2.90	10:15	4.03	3.45	06:15	1.89	19:30	3.99	2.91	06:15	0.295	11:15	0.843	0.558	0.558	
10/20/2008	03:00	2.81	08:00	4.07	3.44	03:15	1.82	10:00	4.20	3.04	03:15	0.267	09:30	0.882	0.587	0.587	
10/21/2008	02:15	2.84	10:15	4.11	3.54	02:45	1.82	12:30	4.20	2.91	02:45	0.275	12:30	0.917	0.585	0.585	
10/22/2008	05:30	2.90	07:30	4.14	3.61	03:15	1.82	11:30	4.33	2.88	05:30	0.289	11:30	0.962	0.592	0.592	
10/23/2008	04:30	3.00	08:30	4.30	3.60	01:45	1.89	19:00	4.13	2.91	02:30	0.305	19:00	0.936	0.599	0.599	0.01
10/24/2008	04:15	2.85	08:00	4.32	3.54	05:00	1.79	14:00	4.30	2.91	05:00	0.274	09:30	0.981	0.586	0.586	
10/25/2008	05:15	2.76	11:15	3.84	3.32	06:00	2.13	18:15	4.44	3.03	06:00	0.296	18:15	0.834	0.552	0.552	0.11
10/26/2008	06:15	2.86	02:15	5.36	3.39	23:15	2.55	02:15	5.74	3.61	06:15	0.387	02:15	2.055	0.690	0.690	1.23
10/27/2008	01:15	2.78	11:30	3.62	3.17	01:45	2.30	11:30	4.85	3.49	01:00	0.337	11:30	0.987	0.589	0.589	
10/28/2008	04:45	2.64	11:00	4.35	3.31	04:45	2.30	11:00	5.15	3.65	04:45	0.295	11:00	1.369	0.672	0.672	0.63
10/29/2008	04:15	2.88	22:00	3.87	3.40	03:45	2.20	13:00	4.71	3.45	03:45	0.321	13:00	0.993	0.648	0.648	
10/30/2008	01:00	3.05	22:45	4.12	3.63	03:30	2.17	14:30	4.37	3.23	03:30	0.369	17:15	0.939	0.664	0.664	
10/31/2008	02:30	3.12	13:15	4.22	3.76	04:15	2.10	16:30	4.16	2.95	02:30	0.354	14:45	0.932	0.641	0.641	
11/1/2008	06:30	3.14	12:45	4.47	3.78	06:15	1.82	09:45	4.51	2.94	03:15	0.339	09:45	1.232	0.650	0.650	
11/2/2008	06:30	3.16	12:15	4.51	3.79	01:45	2.00	18:45	3.96	2.76	04:30	0.344	18:45	0.941	0.609	0.609	
11/3/2008	03:15	3.12	09:45	4.52	3.81	05:30	1.89	18:00	3.72	3.00	06:00	0.321	09:15	1.001	0.668	0.668	
11/4/2008	03:30	3.02	10:30	4.47	3.78	03:30	1.93	17:30	3.78	2.94	03:30	0.301	14:00	0.955	0.650	0.650	
11/5/2008	06:45	2.96	09:30	4.37	3.69	02:30	1.96	13:30	4.30	3.02	05:15	0.304	13:30	0.991	0.644	0.644	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	04:15	2.95	16:15	5.49	3.88	05:30	1.89	16:15	5.71	3.55	05:30	0.301	16:15	2.119	0.842	0.842	0.10
11/7/2008	02:30	3.27	12:45	4.03	3.68	02:30	2.41	13:15	4.92	3.58	02:30	0.422	13:15	1.103	0.746	0.746	
11/8/2008	03:30	3.07	06:45	3.94	3.49	04:30	2.13	17:30	4.71	3.46	04:30	0.353	17:30	0.932	0.672	0.672	
11/9/2008	02:00	2.99	21:00	4.02	3.60	04:15	2.34	09:30	4.58	3.30	04:15	0.362	20:30	0.926	0.672	0.672	
11/10/2008	01:00	3.17	07:15	4.22	3.80	03:45	2.24	11:45	4.64	3.17	03:45	0.402	11:45	1.089	0.702	0.702	
11/11/2008	02:30	3.14	13:45	4.56	3.86	03:45	2.13	12:30	4.09	3.02	04:45	0.393	12:30	1.129	0.683	0.683	
11/12/2008	05:15	3.24	08:30	4.64	3.97	04:00	2.17	11:45	4.09	3.02	04:00	0.383	11:45	1.128	0.712	0.712	
11/13/2008	02:45	3.25	10:45	4.68	3.94	03:15	2.13	14:30	4.02	3.07	04:45	0.398	14:30	1.091	0.718	0.718	
11/14/2008	03:15	3.18	11:00	4.60	3.95	04:30	2.17	16:15	3.96	3.02	03:15	0.398	09:00	1.017	0.708	0.708	
11/15/2008	02:30	3.30	18:00	5.10	4.06	03:45	2.20	18:00	4.88	3.22	03:45	0.413	18:00	1.628	0.791	0.791	
11/16/2008	05:45	3.75	02:15	4.85	4.31	04:45	2.57	01:45	4.23	3.15	05:45	0.559	01:45	1.200	0.847	0.503	
11/17/2008	02:45	3.61	09:00	4.96	4.25												
11/18/2008	01:15	3.75	08:30	5.12	4.22	22:00	2.79	13:00	4.44	3.31	23:15	0.650	12:45	1.208	0.863	0.539	
11/19/2008	02:45	3.48	08:00	4.85	4.12	00:30	2.30	18:00	3.72	3.09	04:00	0.460	08:00	1.130	0.766	0.766	
11/20/2008	02:45	3.30	08:45	4.61	4.03	04:45	2.27	12:30	4.12	3.16	02:45	0.410	10:45	1.085	0.760	0.760	
11/21/2008	02:30	3.39	08:15	4.71	4.00	03:00	2.06	10:15	4.13	3.05	03:00	0.388	10:15	1.171	0.731	0.731	
11/22/2008	04:45	3.22	12:15	4.59	3.88	05:15	2.00	10:45	3.96	3.01	05:15	0.376	12:15	1.054	0.688	0.688	
11/23/2008	01:15	3.20	12:30	4.43	3.77	05:00	1.96	12:45	3.89	3.00	02:30	0.358	12:30	1.012	0.656	0.656	
11/24/2008	22:45	3.09	08:15	4.60	3.80	03:00	1.86	10:15	3.85	2.99	03:00	0.316	08:15	1.058	0.663	0.663	
11/25/2008	00:00	3.04	11:45	5.11	4.06	00:15	2.17	11:45	5.47	4.09	00:15	0.353	11:45	1.829	1.014	1.014	1.69
11/26/2008	03:00	3.34	08:15	4.32	3.84	03:30	2.58	11:45	4.78	3.81	03:30	0.536	09:45	1.163	0.844	0.844	0.01
11/27/2008	04:45	3.11	12:15	4.12	3.72	04:45	2.41	13:15	4.82	3.38	04:45	0.392	13:15	1.175	0.719	0.719	
11/28/2008	01:30	3.24	08:15	4.31	3.86	04:30	2.30	12:00	4.51	3.28	01:30	0.441	13:30	1.035	0.738	0.738	0.03
11/29/2008	02:15	3.26	21:45	4.18	3.86	05:30	2.24	14:15	4.58	3.28	02:15	0.432	12:45	1.059	0.739	0.739	
11/30/2008	05:00	3.50	19:15	4.76	4.17	03:00	2.34	19:45	4.82	3.43	05:00	0.453	19:45	1.433	0.871	0.871	1.13
12/1/2008	23:30	3.60	07:15	4.54	4.13	04:30	2.68	12:00	4.78	3.91	04:30	0.655	07:15	1.329	0.964	0.964	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			47.532	10.24
Report Avg	3.80	3.24	0.718	

Site Commentary

Site Information

JC_JSI-X	
Pipe Dimensions	Circular (14.50 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-X indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	4.22	1.11	0.224
Minimum	2.37	0.25	0.025
Maximum	9.40	2.95	1.500
Time of Minimum	11/6/2008 5:15 AM	11/19/2008 5:30 AM	11/24/2008 9:45 PM
Time of Maximum	9/26/2008 3:15 PM	9/26/2008 3:15 PM	9/26/2008 3:15 PM

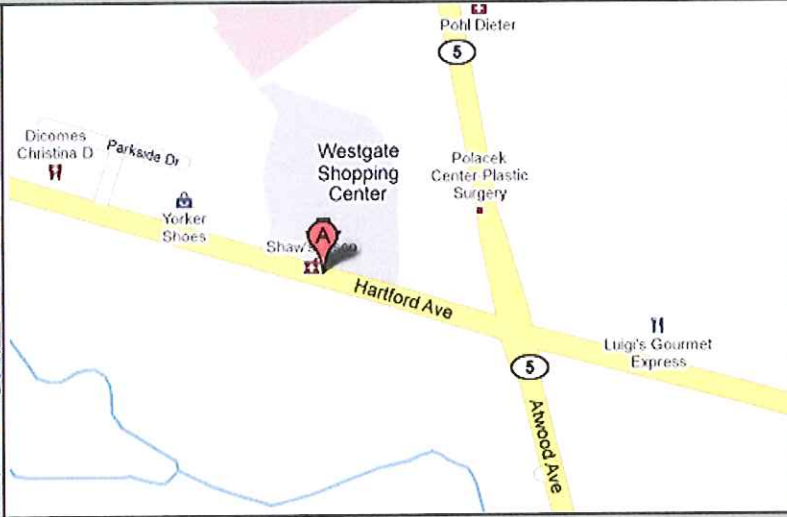
Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

a division of ADS LLC.

Name:	JC_JSI-X	Meter Type:	1502	Monitor S/N:	9037	Manhole #:	JSI_X
Address / Location:	Hartford Avenue (Shaws Market) **NEED DETAIL WITH CRUISER**			Map Page #:	N/A		
	Access:	Drive	Type of System:	Sanitary	Pipe Height:	14.5 Inches	
					Pipe Width:	14.5 Inches	
					Phone Number:	N/A	



Investigation Information:		Manhole Information:	
Date/Time of Investigation:	September 18, 2008	Manhole Depth:	7 Feet 2 Inches
Site Hydraulics:	GOOD MODERATE FLOW	Manhole Material / Condition:	Precast Good
Upstream Input: (L/S, P/S)	N/A	Active Drop Connections?	
Upstream Manhole:	GOOD	Pipe Material / Condition:	PVC Good
Downstream Manhole:	GOOD	Mini System Character:	Commercial
Depth of Flow (Wet Dof):	5.4 +/- 0.25	Telephone Information:	
Range (Air Dof):	7.5 +/- 0.25	Access Pole #:	N/A
Peak Velocity:	0.99 fps	Distance From Manhole:	N/A Feet
Silt:	1.5 Inches	Road Cut Length:	N/A Feet
		Trench Length:	N/A Feet

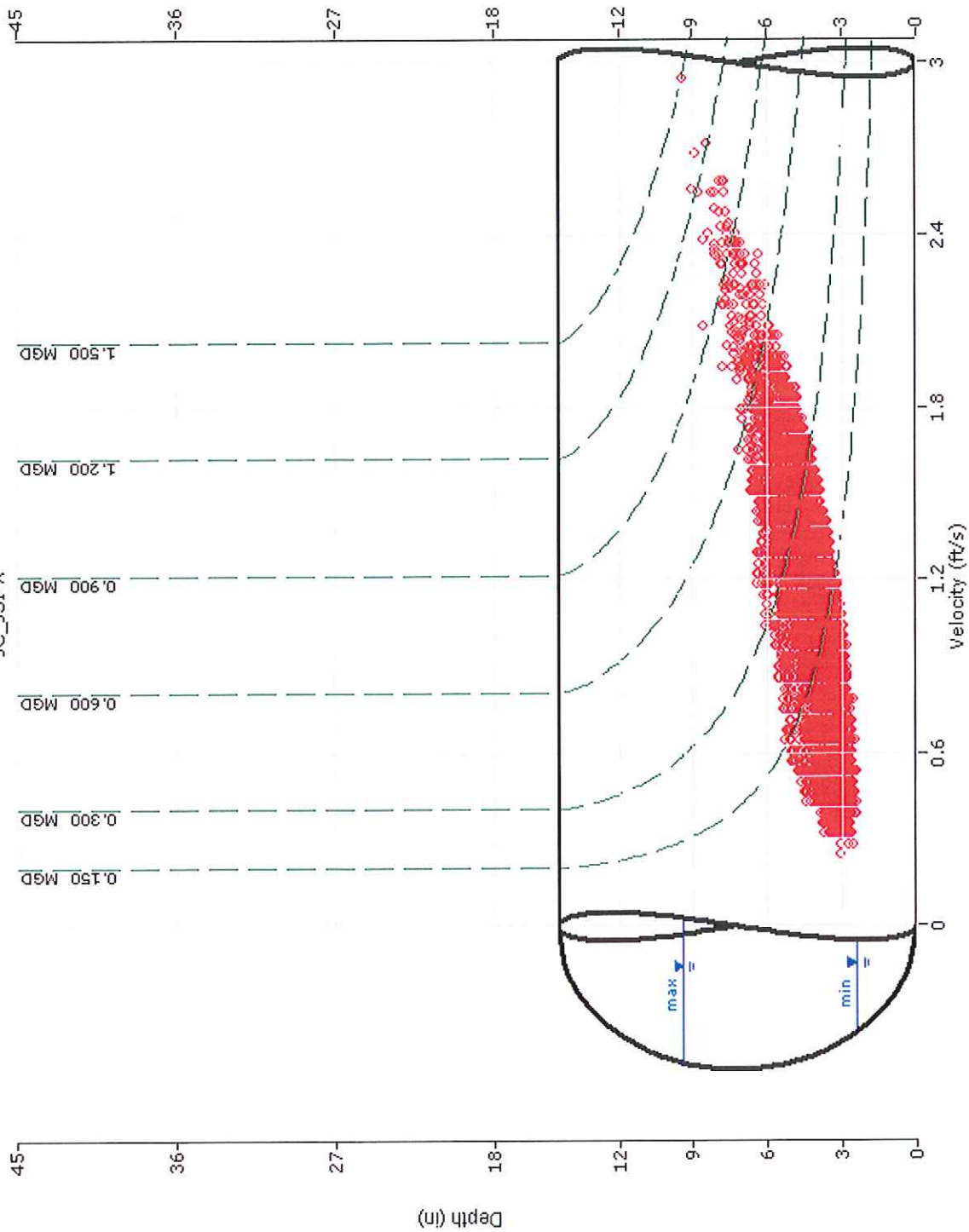
Other Information:
 N 41° 49' 28.4" W 71° 30' 6.0"



Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-1	Other		x		

Additional Site Information / Comments:
 PRESS SN 79055 PO 1.5"

SCATTERGRAPH REPORT
JC_JSI-X



Flow Monitor
JC_JSI-X

Nominal Diameter
15-in

Report Period
9/25/2008
To
12/1/2008

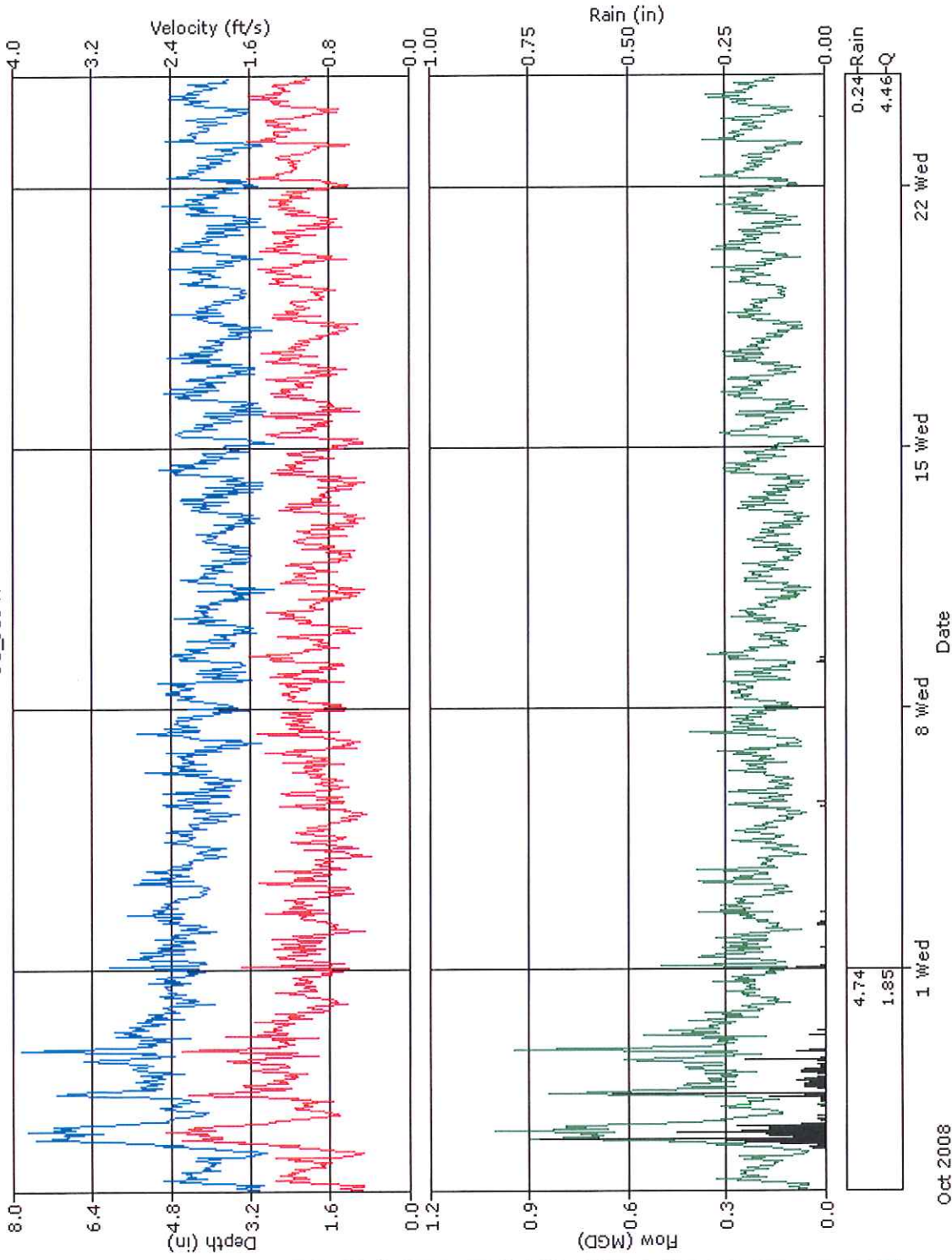
Legend

- Depth - Velocity
- - - Iso-Q™
- - - Silt
- ▾ Min-Max Depth



HYDROGRAPH REPORT

JC_JSI-X



Flow Monitor
JC_JSI-X

Nominal Diameter
15-in

Report Period
9/25/2008
To
10/24/2008

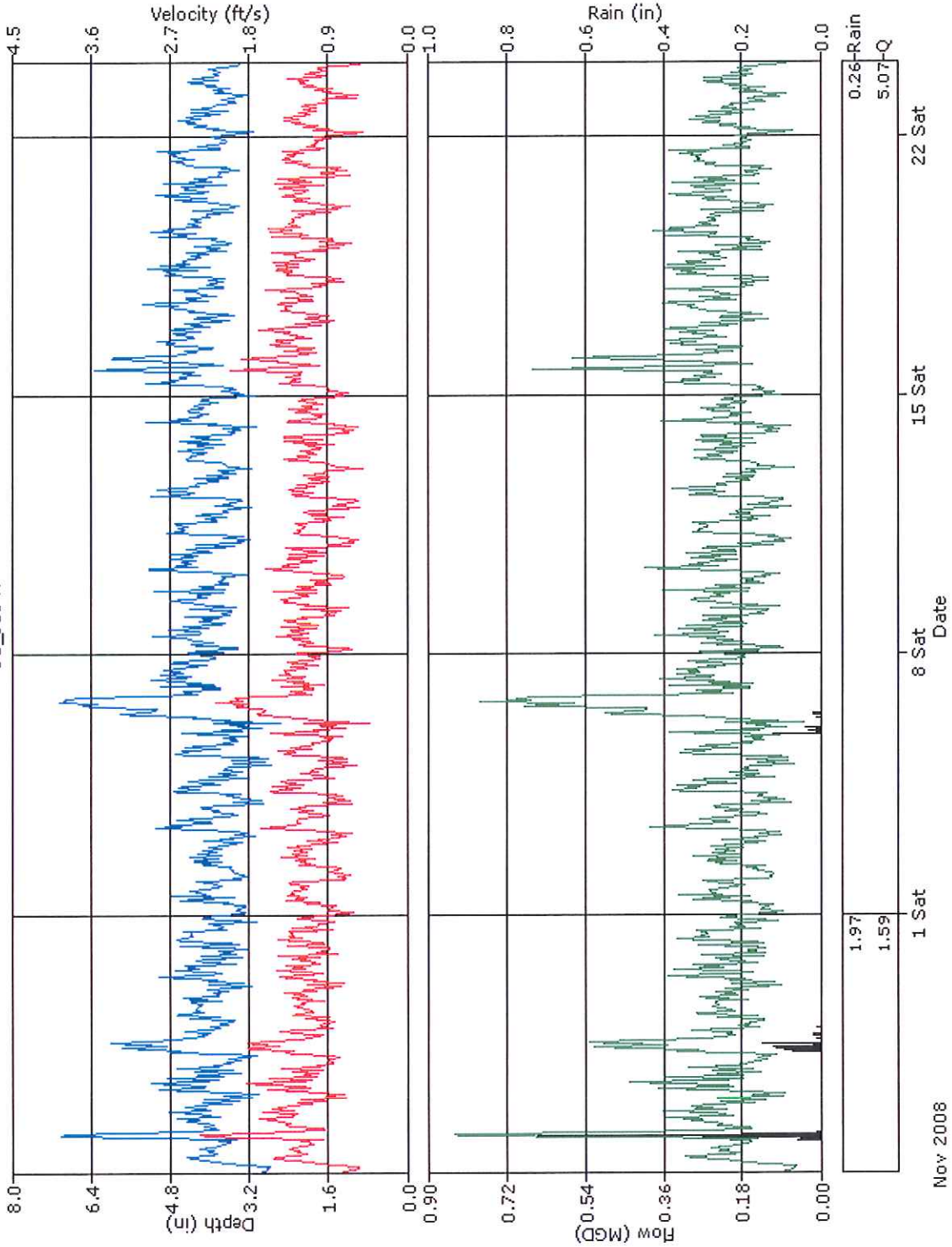
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JSI-X



Flow Monitor
JC_JSI-X

Nominal Diameter
15-in

Report Period
10/25/2008
To
11/23/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JSI-X

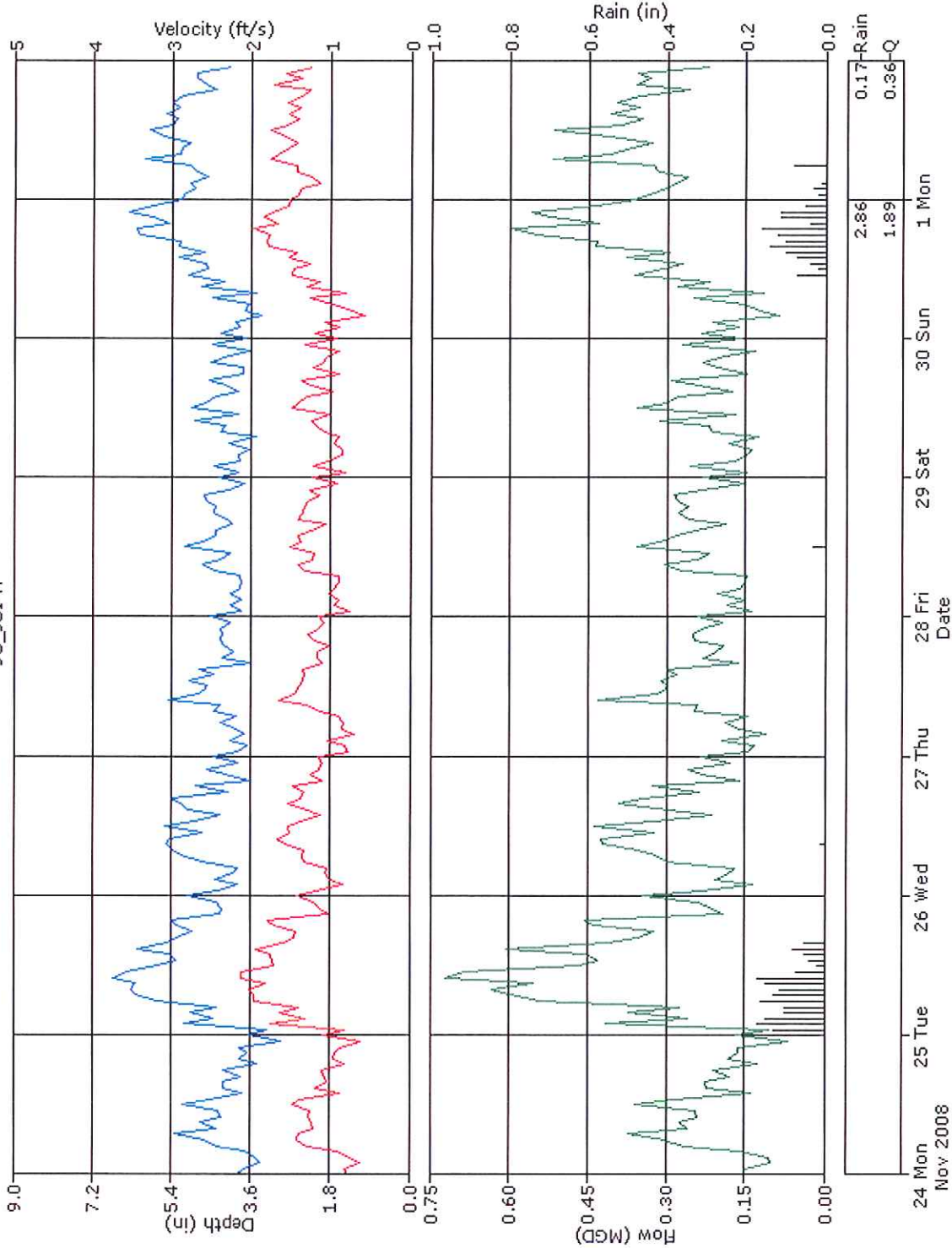
Flow Monitor
JC_JSI-X



Report Period
11/24/2008
To
12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-X, Pipe Height: 15"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
9/25/2008	04:15	2.64	08:00	6.08	3.94	02:00	0.36	15:00	1.91	0.94	05:15	0.037	08:00	0.531	0.174	0.174	
9/26/2008	01:15	2.62	15:15	9.40	5.45	00:15	0.40	15:15	2.95	1.52	02:00	0.038	15:15	1.500	0.455	0.455	2.91
9/27/2008	04:15	3.68	15:15	8.42	5.03	08:00	0.43	15:15	2.72	1.24	08:00	0.064	15:15	1.216	0.315	0.315	1.08
9/28/2008	05:00	4.17	20:00	8.35	5.53	05:00	0.54	20:15	2.56	1.39	05:00	0.095	20:15	1.078	0.387	0.387	0.71
9/29/2008	23:45	3.86	08:00	8.06	5.19	04:00	0.50	08:00	2.49	1.23	23:45	0.080	08:00	1.055	0.309	0.309	0.08
9/30/2008	02:00	3.54	16:30	7.58	4.67	02:00	0.40	16:30	2.25	0.97	02:00	0.056	16:30	0.881	0.211	0.211	
10/1/2008	01:45	3.53	07:15	7.57	4.79	23:00	0.36	08:30	2.38	1.06	23:00	0.052	08:30	0.889	0.244	0.244	0.10
10/2/2008	00:00	3.50	17:30	7.14	4.68	02:45	0.36	13:45	2.30	0.97	02:45	0.052	13:45	0.821	0.215	0.215	0.08
10/3/2008	22:45	3.41	16:30	7.13	4.58	02:45	0.32	08:00	1.91	0.92	23:30	0.044	16:30	0.691	0.202	0.202	
10/4/2008	03:00	3.29	11:30	6.23	4.32	01:45	0.32	08:30	1.73	0.81	04:30	0.043	11:30	0.438	0.165	0.165	
10/5/2008	23:45	3.03	11:30	6.33	4.11	01:15	0.32	08:00	1.97	0.80	01:15	0.040	08:00	0.595	0.151	0.151	0.03
10/6/2008	02:30	2.98	18:15	6.47	4.29	02:30	0.47	20:45	1.73	0.95	02:30	0.051	18:15	0.552	0.189	0.189	
10/7/2008	02:15	2.90	09:45	6.54	4.21	01:30	0.36	09:45	1.92	0.97	04:30	0.039	09:45	0.623	0.191	0.191	
10/8/2008	21:30	2.89	00:00	6.91	4.12	05:00	0.36	00:00	2.07	1.05	05:00	0.040	00:00	0.721	0.203	0.203	
10/9/2008	03:00	2.75	11:45	6.28	3.95	04:30	0.40	10:00	1.87	1.01	04:45	0.046	10:00	0.569	0.182	0.182	0.04
10/10/2008	03:15	2.60	07:15	6.34	3.82	04:00	0.36	12:45	1.87	0.94	04:00	0.036	14:30	0.470	0.159	0.159	
10/11/2008	03:00	2.62	14:30	5.97	3.74	02:15	0.40	20:00	1.80	0.91	03:00	0.036	14:30	0.456	0.154	0.154	
10/12/2008	01:45	2.62	12:15	5.87	3.67	04:00	0.36	07:45	2.02	0.84	05:30	0.040	07:45	0.564	0.138	0.138	
10/13/2008	05:00	2.60	17:45	6.38	3.77	01:30	0.36	09:30	1.73	0.84	01:30	0.036	15:45	0.450	0.146	0.146	
10/14/2008	02:15	2.59	09:45	6.43	3.96	01:30	0.40	13:15	1.87	0.98	06:00	0.036	09:45	0.549	0.183	0.183	
10/15/2008	03:45	2.60	10:15	6.20	3.87	00:15	0.36	09:00	1.91	0.95	03:45	0.039	09:00	0.457	0.172	0.172	
10/16/2008	05:00	2.57	08:30	7.02	3.93	00:45	0.34	07:15	2.21	1.04	00:45	0.035	07:15	0.745	0.192	0.192	
10/17/2008	01:15	2.57	10:45	6.25	3.88	04:30	0.40	14:45	1.76	1.08	04:30	0.043	10:45	0.473	0.192	0.192	
10/18/2008	06:45	2.59	01:30	5.90	3.80	03:00	0.36	03:30	1.84	0.99	03:15	0.043	23:15	0.461	0.175	0.175	
10/19/2008	06:30	2.75	20:00	5.89	3.85	06:30	0.36	13:45	1.76	1.12	06:30	0.035	20:00	0.498	0.190	0.190	
10/20/2008	23:45	2.57	08:15	6.28	3.92	02:15	0.43	11:30	2.05	1.13	02:15	0.042	11:30	0.621	0.205	0.205	
10/21/2008	03:30	2.51	08:00	6.33	3.91	02:00	0.43	11:45	1.84	1.09	03:30	0.037	11:45	0.512	0.198	0.198	
10/22/2008	01:45	2.72	07:30	5.86	3.89	04:30	0.36	07:30	2.09	1.10	04:30	0.036	07:30	0.585	0.193	0.193	
10/23/2008	04:15	2.68	07:30	5.93	3.91	05:45	0.47	07:30	1.98	1.18	05:45	0.047	07:30	0.564	0.207	0.207	0.01
10/24/2008	04:00	2.70	12:30	6.22	3.98	03:15	0.36	03:30	1.84	1.18	03:15	0.036	12:30	0.547	0.212	0.212	
10/25/2008	05:45	2.53	14:30	5.55	3.65	04:00	0.40	14:30	1.98	1.07	04:15	0.037	14:30	0.516	0.173	0.173	0.11
10/26/2008	06:00	3.22	01:30	8.83	4.49	06:00	0.50	01:30	2.89	1.45	06:00	0.062	01:30	1.271	0.310	0.310	1.23
10/27/2008	22:00	2.79	14:45	6.32	4.03	03:30	0.47	11:15	2.02	1.16	22:00	0.047	14:45	0.603	0.219	0.219	
10/28/2008	04:00	2.59	12:45	7.47	4.32	04:15	0.43	10:30	2.38	1.23	04:15	0.044	12:45	0.915	0.261	0.261	0.63
10/29/2008	03:30	2.90	00:15	6.10	4.07	17:45	0.47	08:30	2.05	1.12	02:15	0.055	08:30	0.566	0.209	0.209	
10/30/2008	04:30	2.75	08:45	6.50	4.00	04:00	0.50	08:45	2.02	1.13	04:30	0.049	08:45	0.648	0.207	0.207	
10/31/2008	01:30	2.76	14:45	5.85	4.00	03:30	0.40	12:30	1.87	1.12	03:30	0.042	08:30	0.490	0.206	0.206	
11/1/2008	04:15	2.56	12:30	6.78	3.84	00:00	0.40	14:30	1.80	1.10	01:45	0.037	12:30	0.563	0.195	0.195	
11/2/2008	01:00	2.60	10:45	6.22	3.78	02:15	0.32	09:30	1.91	1.05	05:15	0.030	09:30	0.581	0.185	0.185	
11/3/2008	23:15	2.58	22:45	6.01	3.96	02:45	0.40	23:30	1.94	1.12	05:45	0.037	23:30	0.533	0.208	0.208	
11/4/2008	03:15	2.46	11:30	6.20	3.82	02:00	0.40	10:15	1.94	1.09	03:15	0.033	10:15	0.524	0.195	0.195	
11/5/2008	07:00	2.42	09:30	6.38	3.71	00:15	0.40	14:45	2.16	1.03	00:15	0.035	14:45	0.642	0.181	0.181	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	05:15	2.37	15:30	8.69	4.94	05:30	0.40	20:00	2.59	1.43	05:45	0.032	15:30	1.185	0.380	0.380	0.10
11/7/2008	23:15	3.24	14:00	6.08	4.43	23:15	0.58	14:00	1.87	1.23	23:15	0.071	14:00	0.552	0.249	0.249	
11/8/2008	04:45	3.18	12:15	6.95	4.17	03:00	0.40	12:15	2.11	1.15	04:45	0.048	12:15	0.741	0.223	0.223	
11/9/2008	05:00	3.08	00:15	6.10	4.04	02:15	0.40	19:00	1.94	1.10	02:15	0.046	00:15	0.556	0.203	0.203	
11/10/2008	04:45	2.92	18:30	6.25	4.20	02:30	0.40	22:15	1.87	1.13	04:45	0.042	08:45	0.551	0.221	0.221	
11/11/2008	03:45	2.91	07:00	6.22	4.01	02:30	0.32	09:30	1.84	0.99	02:30	0.037	11:30	0.542	0.186	0.186	
11/12/2008	03:00	2.73	11:15	5.93	4.01	00:15	0.32	11:00	1.91	0.99	04:15	0.032	11:00	0.510	0.186	0.186	
11/13/2008	01:45	2.78	12:45	6.10	4.06	01:00	0.32	09:30	1.84	1.07	04:15	0.033	09:30	0.526	0.204	0.204	
11/14/2008	04:15	2.77	07:30	6.84	4.07	02:15	0.32	17:00	1.91	1.01	04:15	0.032	07:30	0.620	0.195	0.195	
11/15/2008	00:15	2.79	17:30	7.77	4.36	00:15	0.40	17:30	2.38	1.20	00:15	0.039	17:30	0.960	0.256	0.256	
11/16/2008	23:45	3.20	00:30	7.61	4.61	23:45	0.40	00:30	2.48	1.35	23:45	0.048	00:30	0.978	0.291	0.291	
11/17/2008	04:15	3.08	13:45	6.42	4.28	00:30	0.40	21:45	1.94	1.21	03:00	0.048	13:45	0.600	0.238	0.238	
11/18/2008	02:00	3.06	06:30	6.41	4.33	00:15	0.32	06:30	1.89	1.20	00:15	0.039	06:30	0.599	0.241	0.241	
11/19/2008	23:30	2.91	12:15	6.59	4.22	05:30	0.25	21:15	2.23	1.16	05:30	0.028	21:15	0.677	0.233	0.233	
11/20/2008	01:45	2.91	23:15	6.17	4.17	03:45	0.32	16:45	1.94	1.14	03:45	0.036	11:45	0.532	0.224	0.224	
11/21/2008	03:15	2.84	13:15	6.70	4.16	00:45	0.32	15:00	1.90	1.10	23:15	0.034	15:00	0.601	0.216	0.216	
11/22/2008	04:30	2.67	19:15	6.60	3.94	03:45	0.29	19:15	1.94	1.05	03:45	0.028	19:15	0.637	0.192	0.192	
11/23/2008	06:15	2.75	12:15	6.46	3.81	04:15	0.32	05:45	1.73	0.97	04:15	0.032	12:15	0.552	0.168	0.168	
11/24/2008	21:45	2.50	07:30	6.93	4.08	21:45	0.29	07:30	2.05	1.08	21:45	0.025	07:30	0.717	0.206	0.206	
11/25/2008	01:00	2.67	15:00	8.53	5.21	01:00	0.43	11:15	2.59	1.61	01:00	0.040	15:00	1.084	0.412	0.412	1.89
11/26/2008	22:45	3.36	12:45	7.61	4.66	03:15	0.54	12:45	2.18	1.29	03:15	0.079	12:45	0.859	0.284	0.284	0.01
11/27/2008	19:00	3.25	13:00	6.40	4.29	04:00	0.40	10:15	2.05	1.14	04:00	0.050	10:15	0.608	0.227	0.227	
11/28/2008	23:45	3.17	21:00	6.62	4.26	02:45	0.43	13:15	1.98	1.17	04:00	0.053	13:15	0.653	0.230	0.230	0.03
11/29/2008	02:30	3.10	10:45	6.78	4.16	06:00	0.32	14:45	2.05	1.12	06:00	0.038	10:45	0.675	0.214	0.214	
11/30/2008	00:45	2.98	18:30	8.55	4.75	04:15	0.29	19:15	2.16	1.35	04:15	0.033	18:30	0.949	0.316	0.316	1.13
12/1/2008	23:45	3.64	12:45	7.26	5.10	03:45	0.72	12:45	2.10	1.47	03:45	0.118	12:45	0.780	0.356	0.356	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			15.210	10.24
Report Avg	4.22	1.11	0.224	

Site Commentary

Site Information

JC_JSI-Y	
Pipe Dimensions	Circular (12.00 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-Y indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	2.23	2.58	0.175
Minimum	1.60	0.76	0.032
Maximum	5.42	4.87	1.057
Time of Minimum	11/5/2008 6:00 AM	9/26/2008 4:00 AM	9/26/2008 4:00 AM
Time of Maximum	9/28/2008 8:15 PM	10/26/2008 1:30 AM	9/28/2008 8:15 PM

Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

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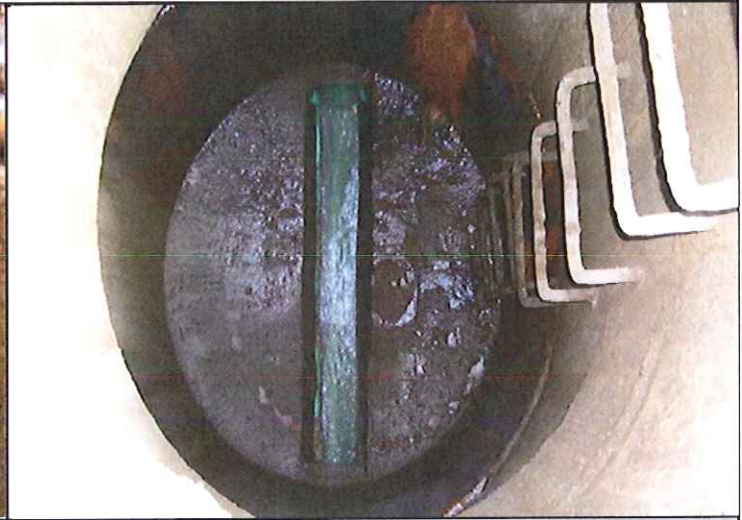
Site Name:	JC_JSI-Y	Meter Type:	1502	Monitor S/N:	9953	Manhole #:	JSI-Y
Address / Location:	1384 Hartford Avenue (at the Shell Station LEFT LANE)***NEED DETAIL WITH CRUISER**			Map Page #:	N/A		
				Pipe Height:	12 Inches		
Access:	Drive	Type of System:	Sanitary	Pipe Width:	12 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 18, 2008	2:26 PM	Manhole Depth:	11 Feet	7 Inches
Site Hydraulics:	GOOD		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	PVC	Good
Downstream Manhole:	N/A		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	2 +/-	0.38	Access Pole #:	N/A	
Range (Air Dof):	8.5 +/-	0.38	Distance From Manhole:	N/A Feet	
Peak Velocity:	3 fps		Road Cut Length:	N/A Feet	
Silt:	0 Inches		Trench Length:	N/A Feet	

Other Information:

N 41 49' 25.4" W 71 29' 53.1"

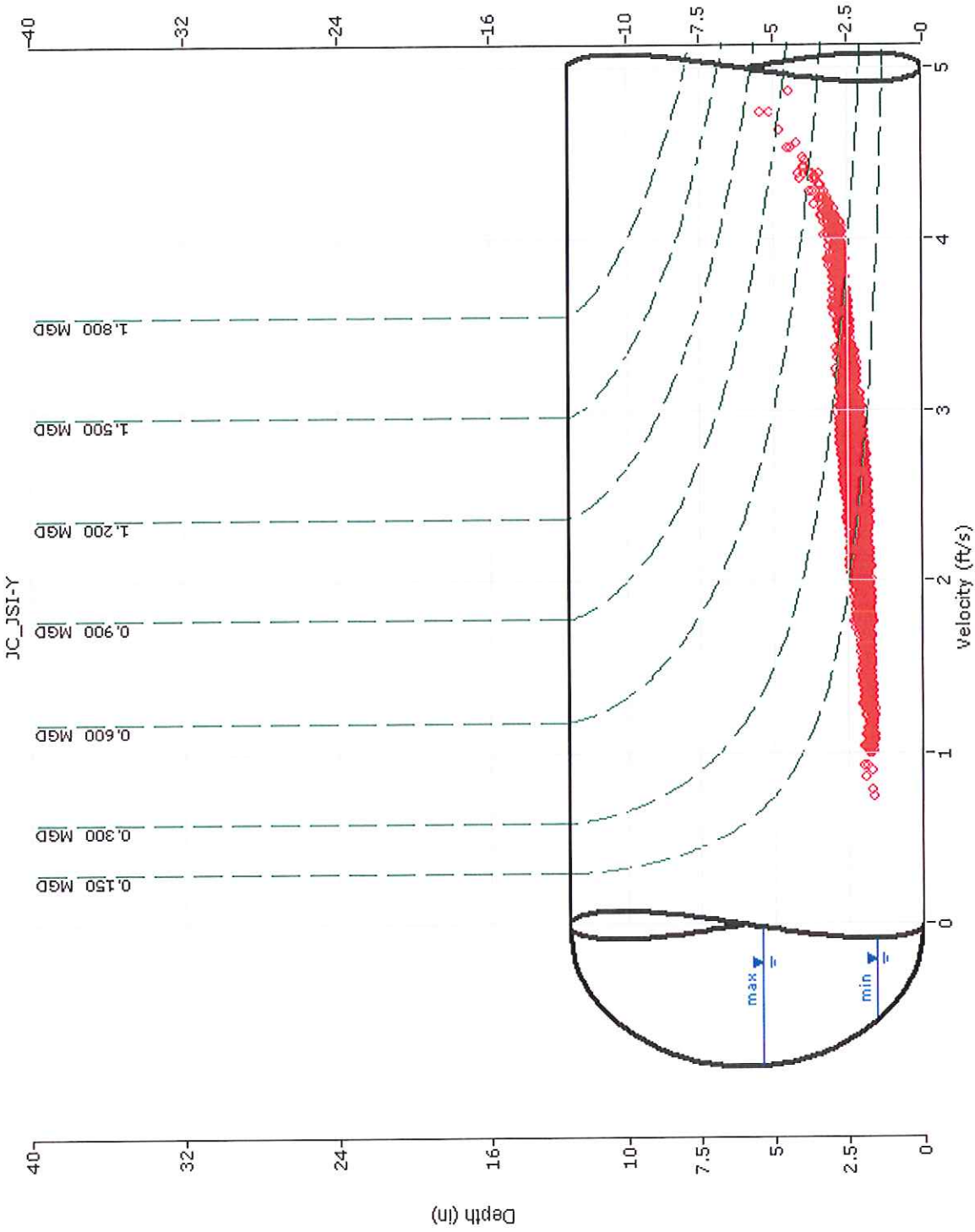


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-1	Other		x		

Additional Site Information / Comments:

PRESS SN 77988 PO 1.5 **GROUND WATER GAUGE**

SCATTERGRAPH REPORT



Flow Monitor
JC_JSI-Y

Nominal Diameter
12-in

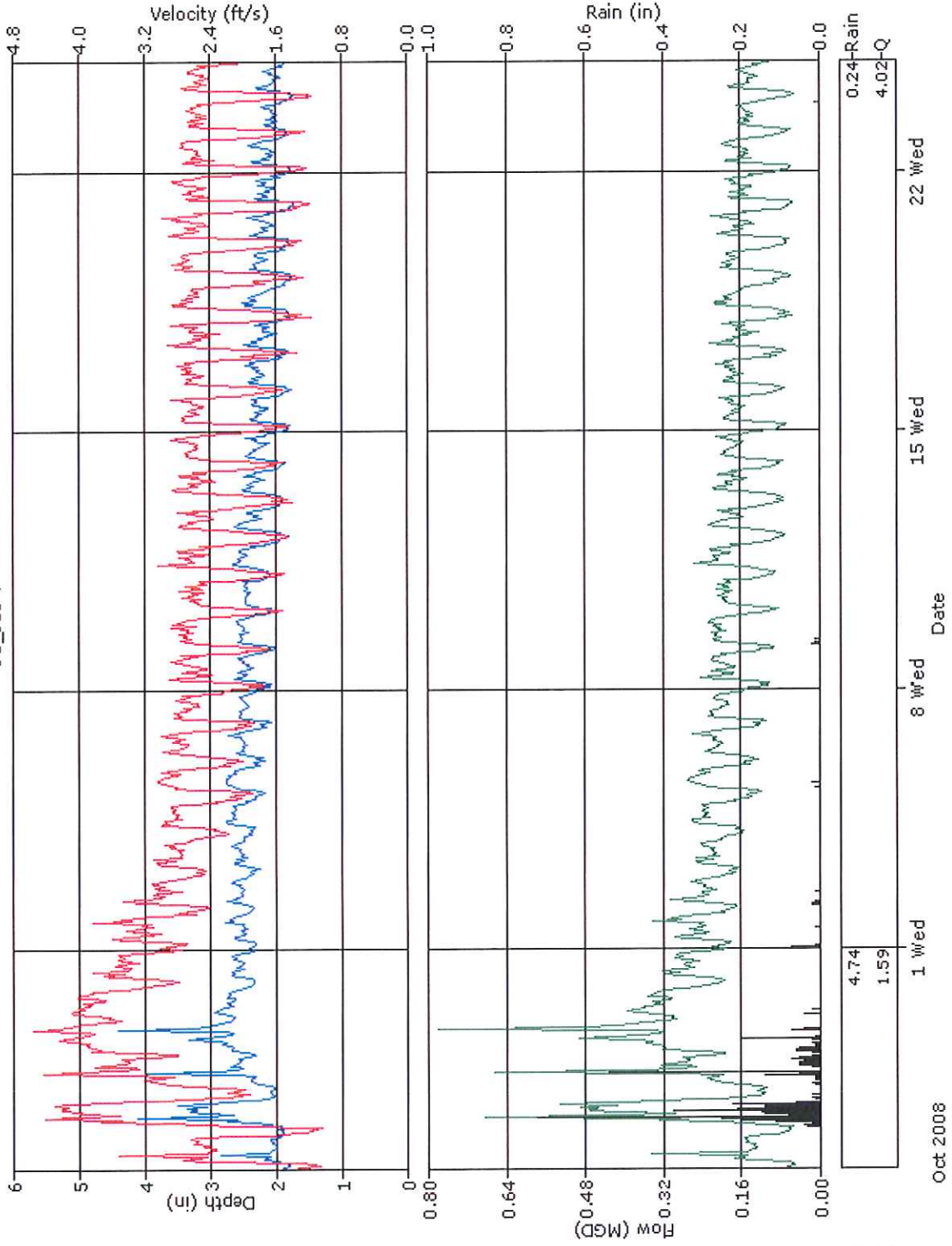
Report Period
9/25/2008
To
12/1/2008

Legend

- Depth - Velocity
- - - Iso-Q™
- - - Silt
- ▽ Min-Max Depth

HYDROGRAPH REPORT

JC_JSI-Y



Flow Monitor
JC_JSI-Y

Nominal Diameter
12-in

Report Period
9/25/2008
To
10/24/2008

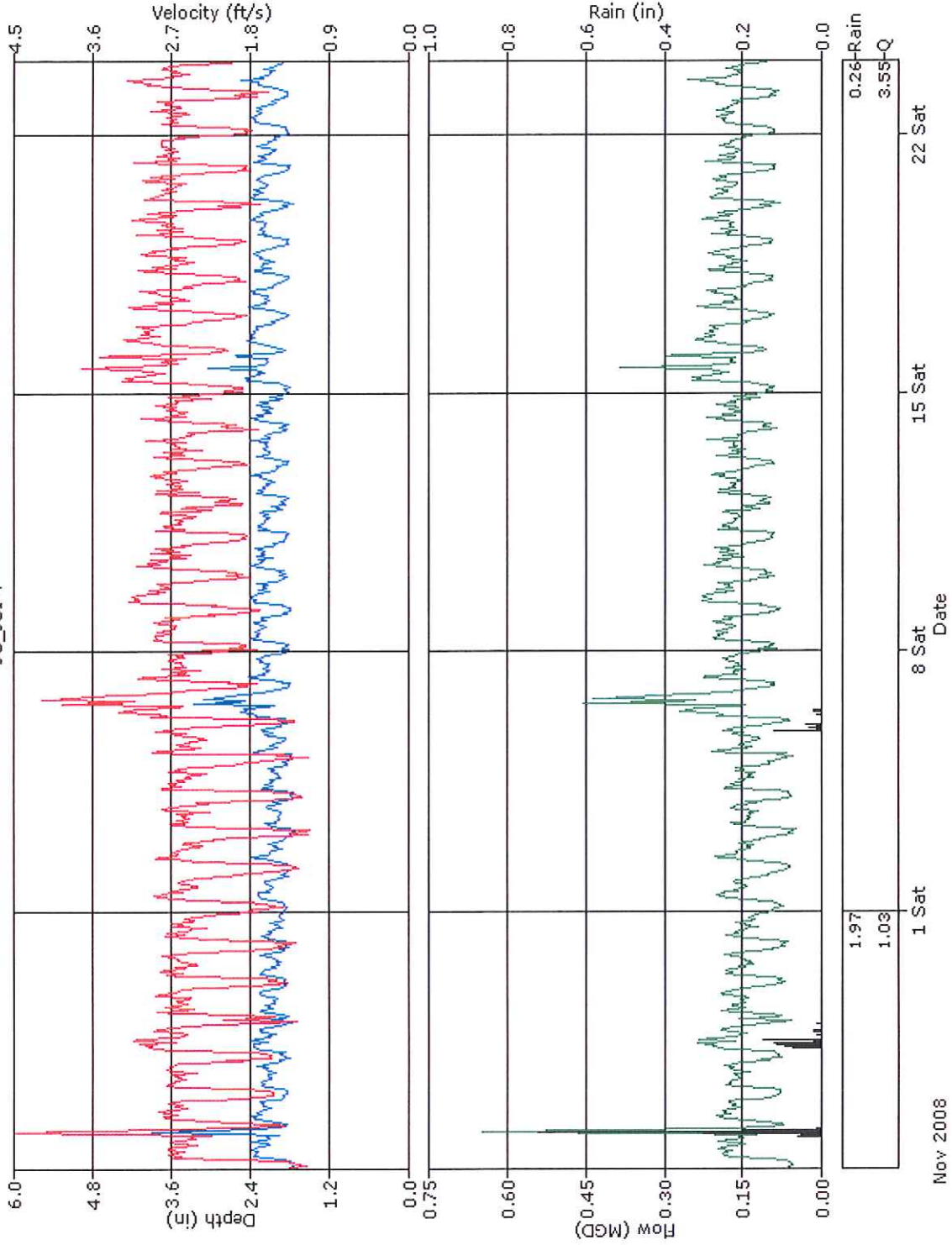
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



HYDROGRAPH REPORT

JC_JSI-Y



Flow Monitor
JC_JSI-Y

Nominal Diameter
12-in

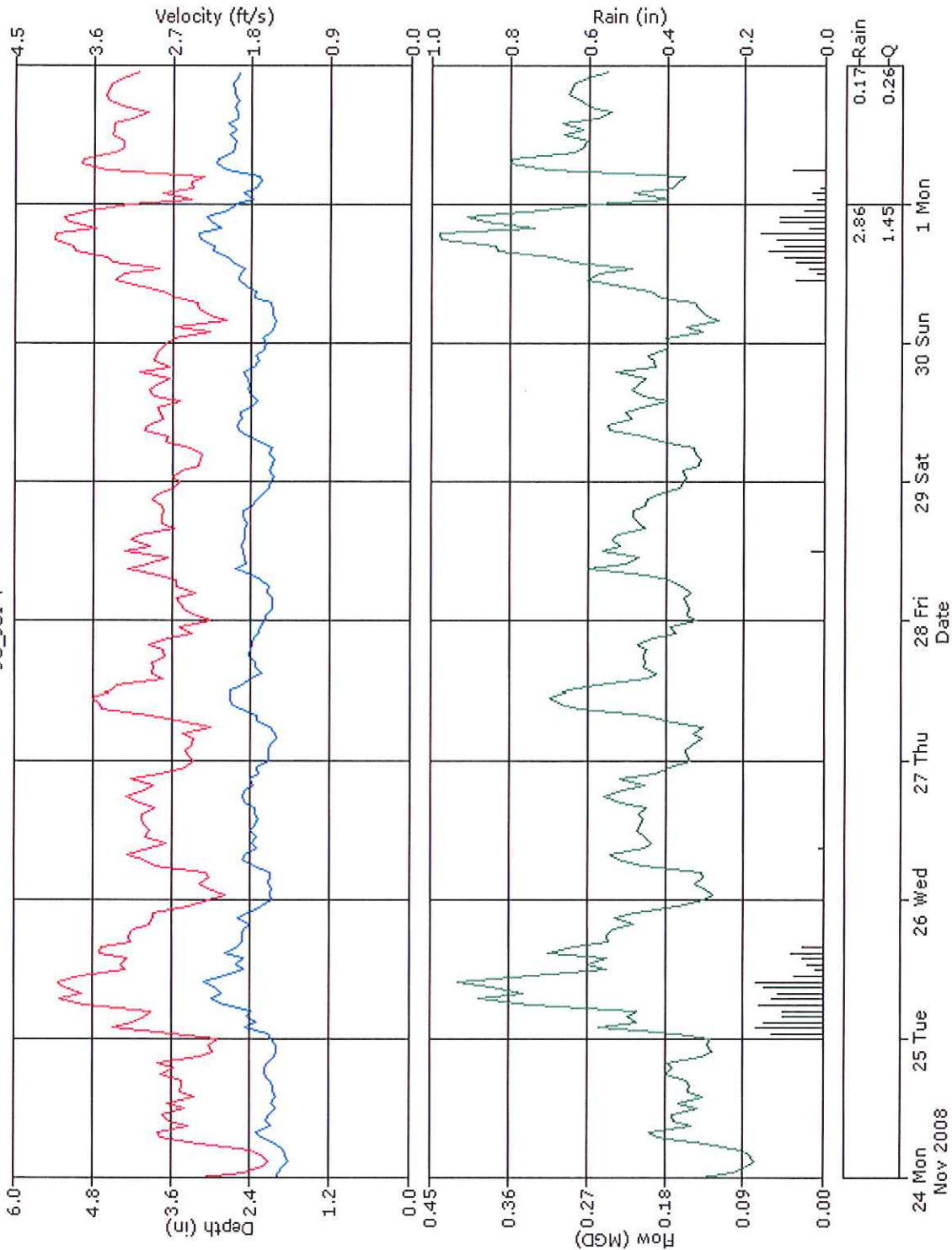
Report Period
10/25/2008
To
11/23/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

HYDROGRAPH REPORT

JC_JSI-Y



Flow Monitor
JC_JSI-Y

Nominal Diameter
12-in

Report Period
 11/24/2008
 To
 12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain



Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-Y, Pipe Height: 12"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg		Total
9/25/2008	03:30	1.72	10:30	3.54	2.03	03:30	0.90	10:30	4.37	2.18	03:30	0.040	10:30	0.546	0.130	0.130	
9/26/2008	04:00	1.65	10:45	4.54	2.63	04:00	0.76	10:30	4.54	3.10	04:00	0.032	10:45	0.798	0.289	0.289	2.91
9/27/2008	07:00	1.84	15:30	5.11	2.42	02:45	1.69	15:30	4.75	2.99	02:45	0.096	15:30	0.980	0.232	0.232	1.08
9/28/2008	05:00	2.28	20:15	5.42	2.81	04:15	2.66	20:15	4.75	3.79	04:15	0.186	20:15	1.057	0.352	0.352	0.71
9/29/2008	23:45	2.43	07:00	3.09	2.71	23:00	3.02	07:00	4.21	3.82	23:00	0.229	07:00	0.436	0.329	0.329	0.06
9/30/2008	23:15	2.23	18:00	2.82	2.51	03:45	2.70	07:30	4.00	3.33	23:15	0.180	07:30	0.353	0.258	0.258	
10/1/2008	02:15	2.22	18:45	2.98	2.50	23:30	2.34	18:45	4.13	3.17	03:30	0.164	18:45	0.405	0.244	0.244	0.10
10/2/2008	03:45	2.30	07:30	2.81	2.51	02:15	2.12	07:30	3.77	2.91	02:15	0.154	07:30	0.341	0.225	0.225	0.06
10/3/2008	04:00	2.11	08:00	2.79	2.50	01:30	2.09	06:45	3.38	2.77	01:30	0.149	08:00	0.299	0.213	0.213	
10/4/2008	07:00	2.09	12:00	2.88	2.55	04:00	1.98	08:15	3.38	2.67	04:00	0.132	12:00	0.304	0.212	0.212	
10/5/2008	04:15	2.05	15:15	2.82	2.50	04:15	1.76	15:15	3.35	2.57	04:15	0.102	15:15	0.304	0.201	0.201	0.03
10/6/2008	04:30	2.10	19:00	2.82	2.44	03:15	1.87	19:00	3.20	2.60	02:45	0.116	19:00	0.291	0.195	0.195	
10/7/2008	00:00	2.02	10:00	2.64	2.40	05:00	1.89	06:00	3.02	2.49	03:30	0.102	10:00	0.241	0.182	0.182	
10/8/2008	02:45	1.99	07:30	2.82	2.39	02:45	1.44	07:30	3.31	2.46	02:45	0.080	07:30	0.301	0.179	0.179	
10/9/2008	03:30	1.95	17:45	2.70	2.40	04:30	1.51	21:45	3.13	2.47	04:30	0.082	17:45	0.256	0.182	0.182	0.04
10/10/2008	04:15	1.93	07:30	2.69	2.35	03:30	1.33	12:30	3.20	2.35	03:30	0.073	16:45	0.253	0.168	0.168	
10/11/2008	02:15	1.93	09:30	2.87	2.36	04:30	1.30	09:30	3.37	2.34	04:30	0.071	09:30	0.314	0.169	0.169	
10/12/2008	04:45	1.73	09:15	2.72	2.22	05:15	1.30	09:15	3.13	2.24	04:00	0.060	09:15	0.270	0.160	0.160	
10/13/2008	00:45	1.76	10:00	2.56	2.20	02:45	1.33	10:45	3.06	2.29	02:45	0.067	19:15	0.234	0.151	0.151	
10/14/2008	04:30	1.80	08:30	2.56	2.18	04:00	1.37	19:30	2.99	2.40	04:00	0.067	11:00	0.225	0.155	0.155	
10/15/2008	04:45	1.64	08:15	2.58	2.14	03:30	1.26	21:30	3.17	2.38	04:45	0.055	21:30	0.237	0.160	0.160	
10/16/2008	01:30	1.71	19:15	2.53	2.16	03:30	1.37	19:15	2.99	2.39	03:00	0.063	19:15	0.233	0.152	0.152	
10/17/2008	05:00	1.75	08:00	2.66	2.12	03:30	1.22	08:15	3.17	2.36	03:30	0.061	08:15	0.261	0.147	0.147	
10/18/2008	03:45	1.64	12:00	2.61	2.10	03:00	1.04	09:00	3.10	2.25	03:00	0.047	09:00	0.228	0.141	0.141	
10/19/2008	03:30	1.67	10:45	2.52	2.07	05:15	1.12	09:45	3.02	2.27	04:30	0.053	10:45	0.228	0.138	0.138	
10/20/2008	04:00	1.67	19:15	2.54	2.08	03:15	1.12	19:00	3.13	2.33	03:15	0.048	19:00	0.244	0.142	0.142	
10/21/2008	02:15	1.63	19:45	2.48	2.03	04:00	1.01	19:45	3.06	2.25	04:00	0.044	19:45	0.232	0.133	0.133	
10/22/2008	02:15	1.61	18:45	2.48	2.06	03:15	1.01	17:15	2.99	2.28	03:15	0.048	18:45	0.226	0.137	0.137	
10/23/2008	04:15	1.71	13:30	2.32	1.98	03:30	1.08	11:00	2.99	2.25	03:30	0.051	11:00	0.200	0.126	0.126	0.01
10/24/2008	03:15	1.62	18:30	2.45	1.97	01:30	1.04	18:30	2.93	2.23	01:45	0.044	18:30	0.218	0.125	0.125	
10/25/2008	05:30	1.65	18:45	2.47	2.08	01:15	1.01	18:45	2.99	2.19	04:15	0.043	18:45	0.225	0.135	0.135	0.11
10/26/2008	06:00	1.71	01:30	4.46	2.28	06:00	1.30	01:30	4.87	2.60	06:00	0.057	01:30	0.837	0.189	0.189	1.23
10/27/2008	02:00	1.70	19:00	2.39	2.07	02:00	1.37	07:30	2.95	2.37	02:00	0.060	07:30	0.200	0.142	0.142	
10/28/2008	01:00	1.70	10:15	2.91	2.13	00:45	1.33	10:00	4.00	2.49	00:45	0.062	10:15	0.379	0.157	0.157	0.63
10/29/2008	01:30	1.61	02:30	3.09	2.05	02:00	1.19	02:30	4.10	2.39	01:30	0.050	02:30	0.425	0.143	0.143	
10/30/2008	13:00	1.78	07:00	2.38	2.03	02:45	1.26	20:15	3.10	2.33	02:45	0.063	20:15	0.210	0.135	0.135	
10/31/2008	04:00	1.74	17:15	2.31	1.99	04:00	1.22	08:15	3.20	2.25	04:00	0.056	08:15	0.214	0.126	0.126	
11/1/2008	03:15	1.79	10:00	2.43	2.06	03:15	1.30	10:00	3.38	2.31	03:15	0.062	10:00	0.249	0.138	0.138	
11/2/2008	04:30	1.69	12:00	2.52	2.00	06:30	1.12	12:00	3.20	2.22	05:30	0.054	12:00	0.248	0.127	0.127	
11/3/2008	05:45	1.61	07:45	2.40	1.97	05:30	1.04	08:45	3.20	2.24	05:15	0.044	08:45	0.221	0.125	0.125	
11/4/2008	05:45	1.65	11:30	2.53	1.99	02:45	1.12	07:30	3.53	2.23	02:45	0.048	07:30	0.272	0.127	0.127	
11/5/2008	06:00	1.60	21:15	2.71	2.01	04:30	1.01	21:15	3.53	2.28	04:30	0.043	21:15	0.303	0.133	0.133	0.16

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	03:15	1.69	15:30	3.97	2.31	04:15	1.19	15:30	4.43	2.73	04:45	0.056	15:30	0.650	0.205	0.205	0.10
11/7/2008	03:30	1.69	08:15	2.62	2.11	02:30	1.62	07:30	3.78	2.61	03:30	0.079	07:30	0.305	0.153	0.153	
11/8/2008	02:00	1.71	19:15	2.65	2.14	02:00	1.47	19:15	3.53	2.52	02:00	0.065	19:15	0.294	0.158	0.158	
11/9/2008	05:45	1.72	09:45	2.61	2.10	04:30	1.51	09:45	3.71	2.56	04:30	0.071	09:45	0.302	0.158	0.158	
11/10/2008	05:00	1.75	14:45	2.53	2.13	00:45	1.62	10:00	3.46	2.54	03:45	0.084	10:00	0.267	0.158	0.158	
11/11/2008	05:30	1.71	07:30	2.56	2.08	01:00	1.62	07:30	3.45	2.43	05:30	0.075	07:30	0.274	0.146	0.146	
11/12/2008	05:15	1.72	20:00	2.62	2.11	03:30	1.62	20:00	3.56	2.53	03:30	0.075	20:00	0.292	0.155	0.155	
11/13/2008	04:00	1.66	18:45	2.68	2.10	02:30	1.62	18:45	3.67	2.49	04:00	0.075	18:45	0.311	0.151	0.151	
11/14/2008	03:30	1.70	17:15	2.59	2.09	01:00	1.66	17:15	3.67	2.50	03:30	0.074	17:15	0.296	0.151	0.151	
11/15/2008	04:00	1.68	17:15	3.66	2.18	03:30	1.69	17:15	4.28	2.71	04:00	0.077	17:15	0.562	0.178	0.178	
11/16/2008	04:30	1.79	00:45	2.97	2.25	03:15	1.87	00:45	4.07	2.80	04:30	0.090	00:45	0.399	0.189	0.189	
11/17/2008	04:15	1.73	17:45	2.64	2.13	03:00	1.66	08:00	3.56	2.58	03:00	0.078	08:00	0.293	0.160	0.160	
11/18/2008	04:30	1.71	08:30	2.67	2.12	03:30	1.66	08:30	3.67	2.58	03:30	0.081	08:30	0.310	0.160	0.160	
11/19/2008	01:45	1.72	17:45	2.58	2.13	03:00	1.55	18:30	3.60	2.61	03:00	0.073	17:45	0.274	0.162	0.162	
11/20/2008	03:00	1.71	06:45	2.72	2.15	03:15	1.58	06:45	3.89	2.60	03:15	0.072	06:45	0.335	0.165	0.165	
11/21/2008	04:00	1.71	07:30	2.69	2.07	02:30	1.69	07:30	3.56	2.53	04:00	0.080	07:30	0.304	0.151	0.151	
11/22/2008	00:30	1.78	12:00	2.67	2.11	04:00	1.55	12:00	3.17	2.46	05:15	0.075	12:00	0.266	0.151	0.151	
11/23/2008	02:45	1.75	12:15	2.68	2.07	05:00	1.40	12:15	3.46	2.47	05:30	0.065	12:15	0.293	0.148	0.148	
11/24/2008	05:30	1.78	07:30	2.70	2.05	04:45	1.44	07:30	3.49	2.41	04:45	0.070	07:30	0.299	0.142	0.142	
11/25/2008	00:45	1.98	10:15	3.14	2.56	00:45	1.76	09:45	4.10	3.25	00:45	0.097	06:45	0.426	0.264	0.264	1.69
11/26/2008	02:15	1.96	18:00	2.73	2.31	01:15	1.94	18:00	3.71	2.81	01:30	0.113	18:00	0.321	0.194	0.194	0.01
11/27/2008	04:30	1.83	11:30	2.96	2.33	06:30	1.98	11:00	3.85	2.85	04:30	0.122	11:30	0.364	0.201	0.201	
11/28/2008	05:45	1.99	09:15	2.95	2.35	00:15	2.16	09:15	3.89	2.79	03:15	0.124	09:15	0.376	0.197	0.197	0.03
11/29/2008	01:30	1.98	19:00	2.67	2.33	04:15	1.98	09:15	3.31	2.76	04:15	0.116	09:15	0.274	0.193	0.193	
11/30/2008	04:15	1.88	22:15	3.30	2.55	02:30	1.94	19:30	4.18	3.14	04:15	0.101	22:15	0.474	0.260	0.260	1.13
12/1/2008	05:45	2.20	06:45	3.16	2.62	05:30	2.20	06:45	4.23	3.18	05:30	0.144	06:45	0.452	0.264	0.264	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			11.899	10.24
Report Avg	2.23	2.58	0.175	

Site Commentary

Site Information

JC_JSI-Z	
Pipe Dimensions	Circular (8.00 in H)
Silt	0.00"

Overview

A review of the [hydrograph](#) and [scattergraph](#) for JC_JSI-Z indicate this location functioned under typical open channel flow conditions during the monitoring period of Thursday, September 25, 2008 to Monday, December 01, 2008 . Flow depth and velocity measurements recorded by the flow monitor are consistent with field confirmations conducted to date and support the relative accuracy of the flow monitor at this location.

[Daily longtables](#) displaying final quantities are also provided.

Observations

Average flow depth, velocity, and quantity data observed during Thursday, September 25, 2008 to Monday, December 01, 2008 , along with observed minimum and maximum data, are provided in the following table.

Observed Flow Conditions			
Item	Depth (in)	Velocity (ft/s)	Quantity (MGD)
Average	2.30	1.45	0.080
Minimum	1.70	0.65	0.023
Maximum	3.29	2.99	0.262
Time of Minimum	10/25/2008 1:15 AM	9/25/2008 4:00 AM	9/25/2008 4:30 AM
Time of Maximum	10/14/2008 9:30 AM	10/14/2008 9:30 AM	10/14/2008 9:30 AM

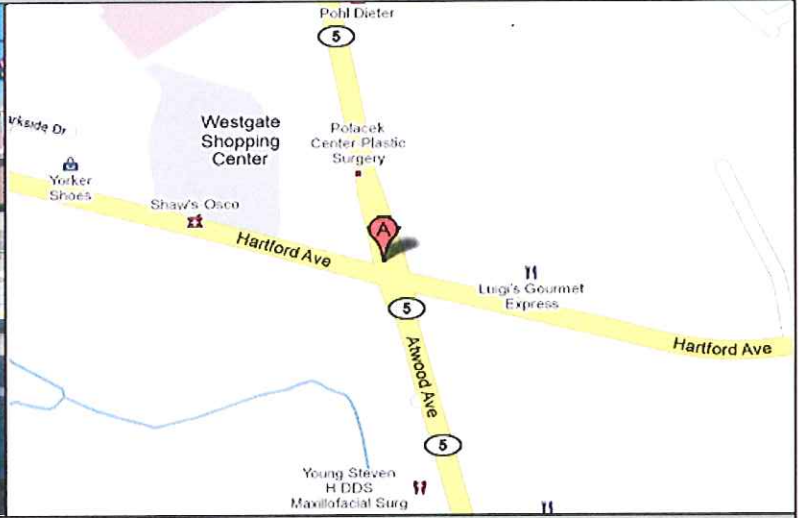
Please note the minimum and maximum flow rate recorded in this table may vary from those recorded on the daily and weekly tabular data. The minimum and maximum rates recorded on the daily and weekly tabular data are absolute verses average fifteen minute data.

Based upon the quality and consistency of the observed flow depth and velocity data, the Continuity equation was used to calculate flow rate and quantities during the monitoring period.

Graphical data reports are based on an hourly average.

a division of ADS LLC.

Name:	JC JSI-Z	Meter Type:	1502	Monitor S/N:	9062	Manhole #:	JSI-Z
Address / Location:	Atwood Avenue (Across from the Town Hall) middle lane before intersection **NEED DETAIL**			Map Page #:	N/A		
				Pipe Height:	8 Inches		
Access:	Drive	Type of System:	Sanitary	Pipe Width:	8 Inches		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 18, 2008	2:55 PM	Manhole Depth:	8 Feet	1 Inch
Site Hydraulics:	GOOD LEVEL FLOW		Manhole Material / Condition:	Precast	Good
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	ACP	Good
Downstream Manhole:	N/A		Mini System Character:	Commercial	
Depth of Flow (Wet Dof):	2 +/- 0.25		Telephone Information:		
Range (Air Dof):	4.5 +/- 0.25		Access Pole #:	N/A	
Peak Velocity:	1.5 fps		Distance From Manhole:	N/A Feet	
Silt:	0 Inches		Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
 N 41° 49' 26.8" W 71° 29' 57.1"

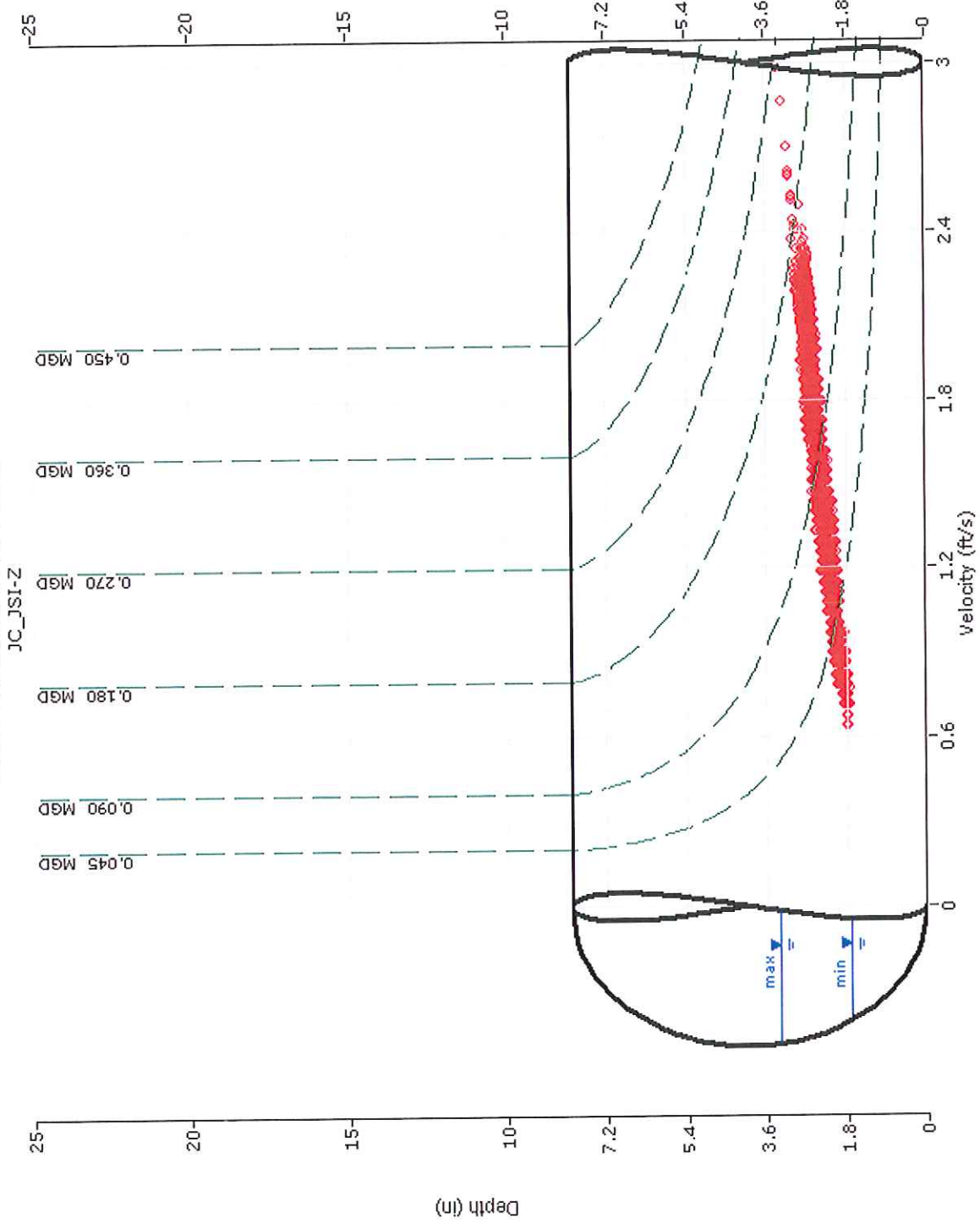


Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Doppler Standard Ring and Crank Installation	Trunk		x		
Sensors / Devices:	Ultra, Velocity, Pressure (Non I.S.)	Lift/Pump Station		x		
Surcharge Height:	0 Feet	WWTP		x		
Rain Gauge Zone:	RG-1	Other		x		

Additional Site Information / Comments:

PRESS SN # 77903 Ultra PO 1.5

SCATTERGRAPH REPORT



Flow Monitor
JC_JSI-Z

Nominal Diameter
8-in

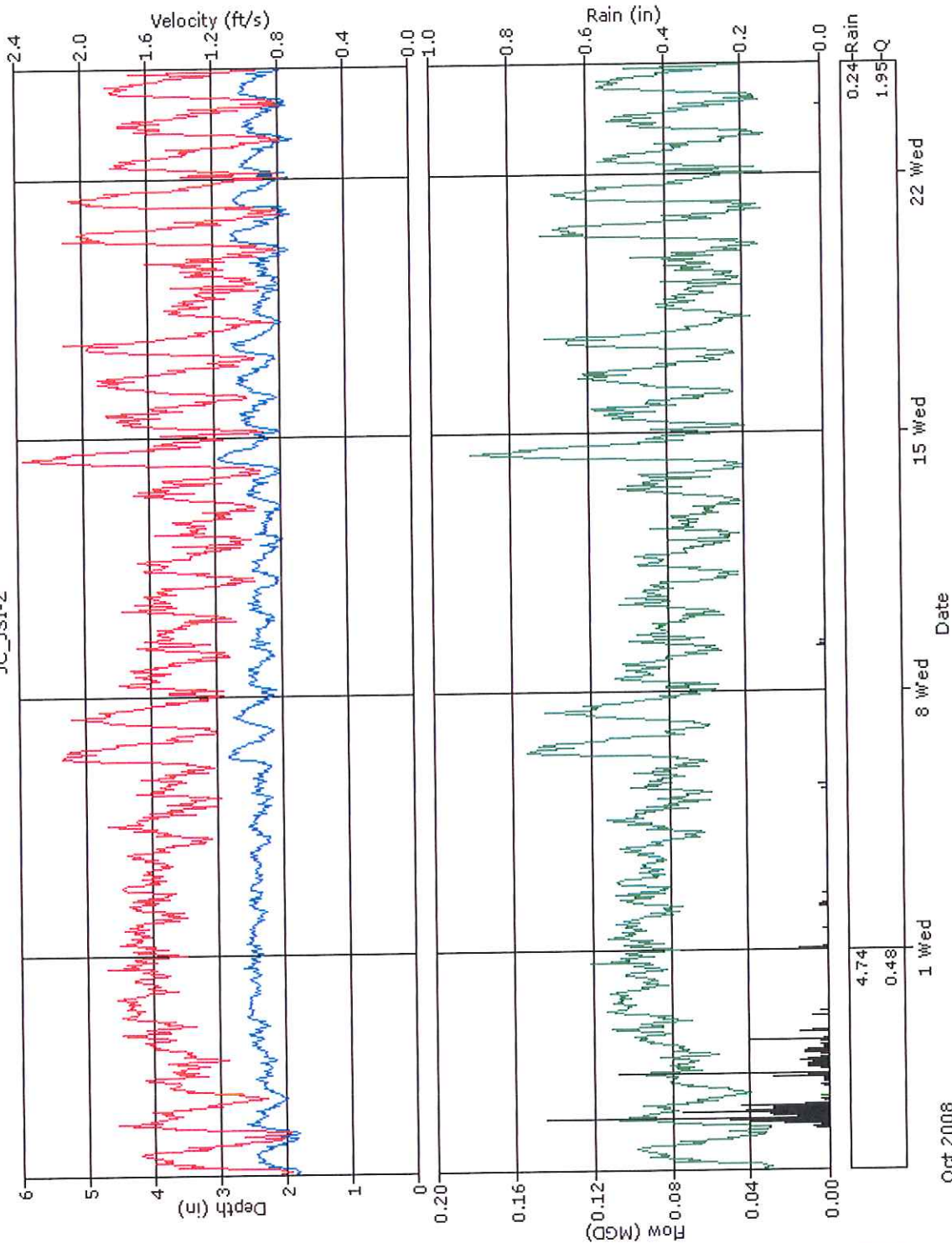
Report Period
9/25/2008
To
12/1/2008

Legend

- Depth - Velocity
- - - Iso-Q™
- - - Silt
- ▾ Min-Max Depth

HYDROGRAPH REPORT

JC_JSI-Z



Flow Monitor
JC_JSI-Z

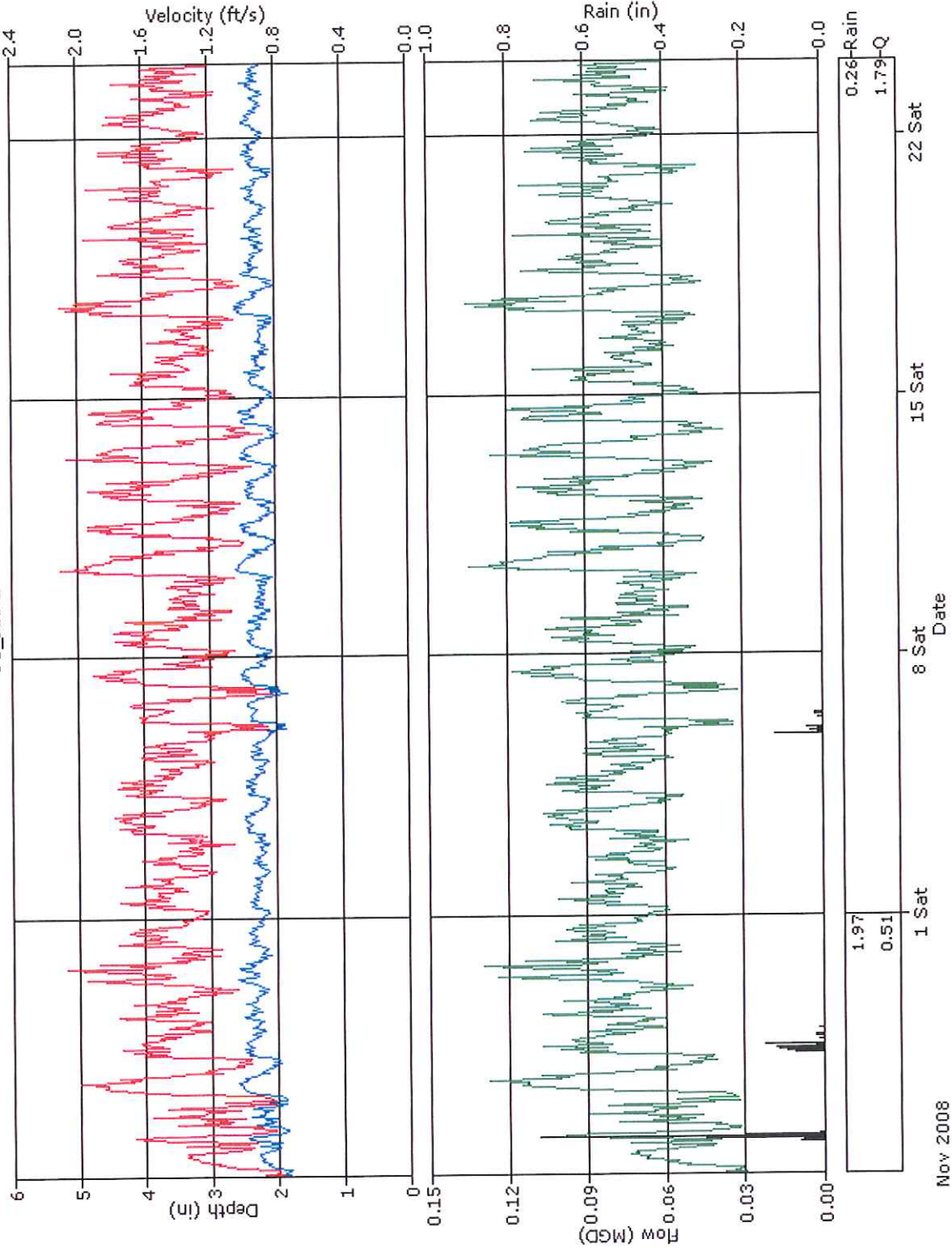


Report Period
9/25/2008
To
10/24/2008

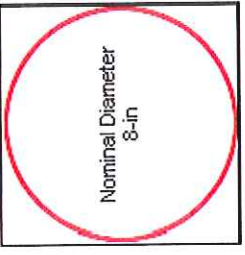
- Legend**
- Depth
 - Silt
 - Velocity
 - Quantity
 - Rain

HYDROGRAPH REPORT

JC_JSI-Z



Flow Monitor
JC_JSI-Z



Report Period
10/25/2008
To
11/23/2008

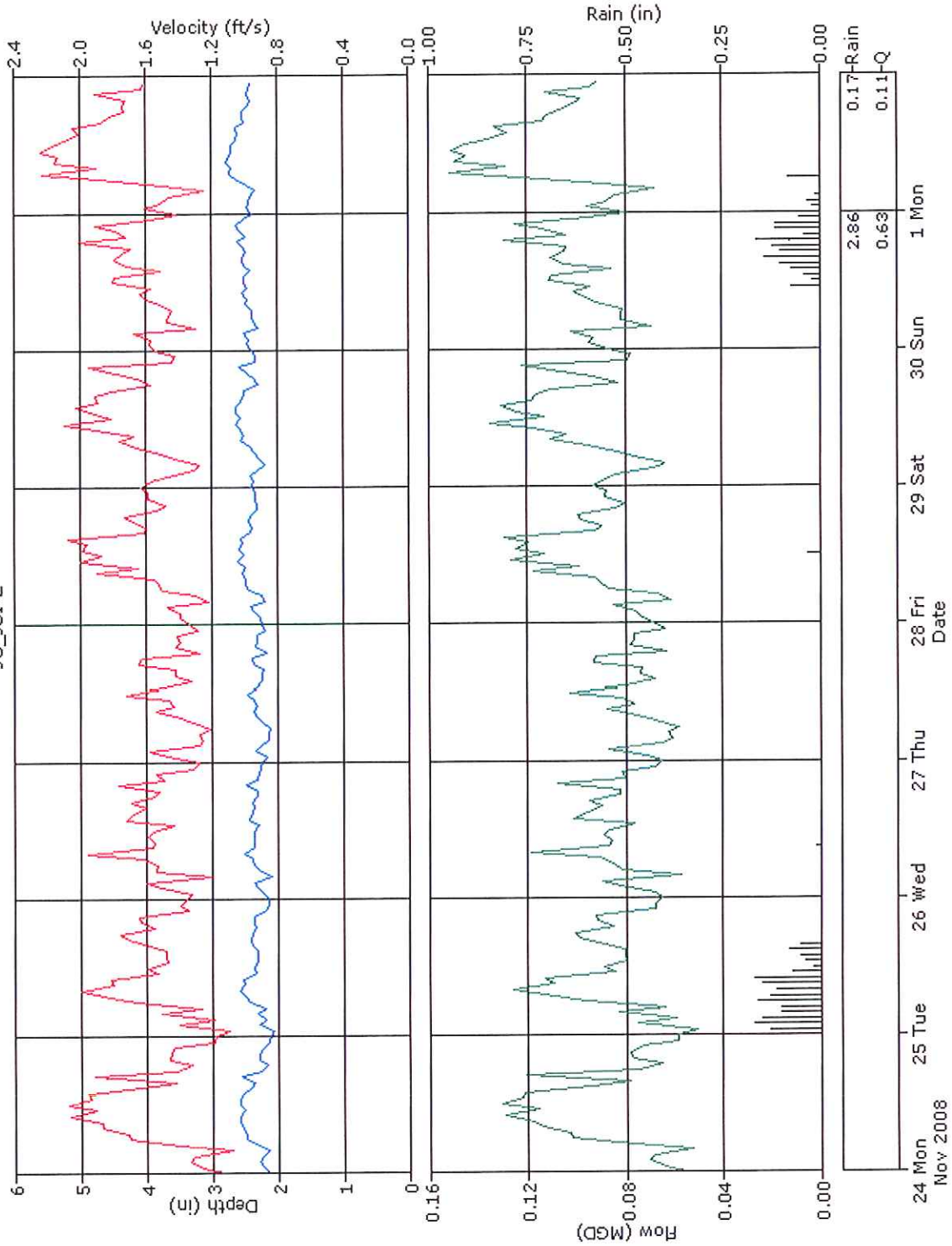
Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

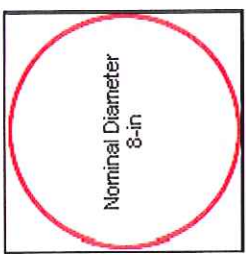


HYDROGRAPH REPORT

JC_JSI-Z



Flow Monitor
JC_JSI-Z



Report Period
 11/24/2008
 To
 12/1/2008

Legend

- Depth
- Silt
- Velocity
- Quantity
- Rain

Narragansett Bay

Daily Tabular Report For The Period 9/25/2008 - 12/1/2008

JC_JSI-Z, Pipe Height: 8"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Depth					Velocity					Quantity						Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total	
9/25/2008	03:30	1.72	14:00	2.59	2.16	04:00	0.65	14:00	1.96	1.26	04:30	0.023	14:00	0.124	0.065	0.065		
9/26/2008	01:00	1.76	10:45	2.83	2.21	03:15	0.72	10:45	2.19	1.31	04:45	0.027	10:45	0.156	0.070	0.070	2.91	
9/27/2008	02:30	1.87	15:30	2.57	2.22	02:30	0.79	19:30	1.84	1.33	02:30	0.032	19:30	0.113	0.069	0.069	1.06	
9/28/2008	03:30	2.12	13:45	2.65	2.35	03:30	1.04	12:15	2.02	1.48	03:30	0.050	12:15	0.129	0.083	0.083	0.71	
9/29/2008	03:00	2.17	13:45	2.77	2.47	01:15	1.30	04:30	2.02	1.66	02:00	0.065	13:45	0.139	0.099	0.099	0.06	
9/30/2008	10:00	2.24	16:30	2.82	2.44	10:00	1.34	16:30	2.14	1.63	10:00	0.069	16:30	0.152	0.096	0.096		
10/1/2008	23:00	2.16	13:00	2.73	2.45	13:30	1.26	13:00	2.02	1.64	13:30	0.063	13:00	0.138	0.097	0.097	0.10	
10/2/2008	17:15	2.19	11:30	2.89	2.41	17:15	1.26	11:30	2.23	1.61	17:15	0.063	11:30	0.164	0.093	0.093	0.06	
10/3/2008	08:15	2.20	18:30	2.69	2.40	08:15	1.28	18:30	1.97	1.59	08:15	0.065	18:30	0.131	0.090	0.090		
10/4/2008	00:15	2.13	06:00	2.78	2.36	02:15	1.19	06:00	2.10	1.53	20:30	0.060	06:00	0.146	0.086	0.086		
10/5/2008	06:00	2.11	19:30	2.63	2.31	06:15	1.01	10:15	1.94	1.43	06:15	0.048	19:30	0.122	0.078	0.078	0.03	
10/6/2008	02:45	2.10	08:15	3.03	2.49	02:30	1.12	08:15	2.60	1.70	02:45	0.053	08:15	0.204	0.105	0.105		
10/7/2008	05:45	2.05	11:00	2.98	2.42	04:45	0.94	11:00	2.53	1.58	04:45	0.045	11:00	0.194	0.094	0.094		
10/8/2008	04:30	2.04	22:15	2.67	2.34	05:45	1.01	18:15	1.94	1.49	05:45	0.046	22:15	0.128	0.083	0.083		
10/9/2008	04:30	2.03	13:30	2.55	2.28	03:00	0.94	07:30	1.87	1.40	03:00	0.043	07:30	0.113	0.075	0.075	0.04	
10/10/2008	03:00	2.03	12:00	2.72	2.31	05:00	0.97	12:00	2.01	1.45	05:00	0.045	12:00	0.136	0.079	0.079		
10/11/2008	06:00	1.94	15:30	2.59	2.23	05:30	0.90	10:00	1.80	1.34	06:00	0.038	15:30	0.111	0.070	0.070		
10/12/2008	05:45	1.90	14:45	2.56	2.17	23:30	0.83	17:00	1.91	1.22	23:30	0.035	17:00	0.117	0.062	0.062		
10/13/2008	01:45	1.91	19:15	3.03	2.26	02:00	0.83	19:15	2.61	1.32	02:00	0.036	19:15	0.204	0.073	0.073		
10/14/2008	01:15	1.94	09:30	3.29	2.45	05:15	0.79	09:30	2.99	1.58	05:15	0.035	09:30	0.262	0.099	0.099		
10/15/2008	04:15	1.97	17:00	2.76	2.36	05:45	0.79	17:00	2.10	1.48	05:45	0.035	17:00	0.145	0.085	0.085		
10/16/2008	02:45	2.00	11:00	2.76	2.39	04:45	0.94	11:00	2.06	1.50	04:45	0.042	11:00	0.142	0.087	0.087		
10/17/2008	23:45	1.95	09:30	3.04	2.36	04:30	0.83	09:30	2.62	1.47	04:30	0.036	09:30	0.206	0.086	0.086		
10/18/2008	02:30	1.92	12:30	2.61	2.22	02:30	0.79	12:30	1.87	1.24	02:30	0.033	12:30	0.120	0.065	0.065		
10/19/2008	23:45	1.87	13:30	2.89	2.17	22:30	0.76	13:30	2.27	1.18	22:30	0.031	13:30	0.167	0.060	0.060		
10/20/2008	02:30	1.81	09:45	2.79	2.32	00:15	0.76	09:45	2.27	1.44	00:15	0.029	09:45	0.159	0.084	0.084		
10/21/2008	01:30	1.79	12:15	2.82	2.29	01:00	0.72	12:15	2.41	1.43	01:00	0.028	12:15	0.171	0.082	0.082		
10/22/2008	01:15	1.80	13:00	2.67	2.26	01:15	0.72	13:00	1.97	1.35	01:15	0.027	13:00	0.130	0.074	0.074		
10/23/2008	02:15	1.74	11:15	2.68	2.22	00:00	0.72	12:00	2.02	1.30	02:30	0.028	11:15	0.131	0.070	0.070	0.01	
10/24/2008	02:00	1.80	08:15	2.83	2.27	02:00	0.72	08:15	2.19	1.36	02:00	0.027	08:15	0.156	0.076	0.076		
10/25/2008	01:15	1.70	13:15	2.62	2.07	01:15	0.72	13:15	2.02	1.08	01:15	0.025	13:15	0.129	0.052	0.052	0.11	
10/26/2008	08:30	1.78	01:45	2.61	2.15	05:30	0.76	02:15	1.90	1.19	05:30	0.029	02:15	0.121	0.061	0.061	1.23	
10/27/2008	02:15	1.84	13:00	2.66	2.27	02:15	0.76	13:00	2.27	1.38	02:15	0.030	13:00	0.149	0.077	0.077		
10/28/2008	02:45	1.89	11:00	2.67	2.28	00:00	0.79	11:00	2.08	1.38	00:00	0.034	11:00	0.138	0.075	0.075	0.63	
10/29/2008	16:15	2.11	12:15	2.64	2.33	00:00	1.08	08:45	2.09	1.42	16:15	0.052	08:45	0.133	0.079	0.079		
10/30/2008	02:30	2.07	14:00	2.66	2.35	02:30	0.97	13:30	2.23	1.51	02:30	0.045	13:45	0.144	0.085	0.085		
10/31/2008	00:15	2.06	11:45	2.64	2.29	01:30	1.04	11:45	2.20	1.45	01:30	0.049	11:45	0.143	0.078	0.078		
11/1/2008	03:15	2.06	22:00	2.59	2.28	05:30	1.08	22:00	2.07	1.45	05:30	0.051	22:00	0.131	0.077	0.077		
11/2/2008	06:00	2.06	02:30	2.60	2.23	06:30	1.04	00:30	2.12	1.36	06:30	0.049	02:30	0.134	0.071	0.071		
11/3/2008	00:15	2.06	20:45	2.66	2.34	00:15	0.97	20:45	2.26	1.52	00:15	0.045	20:45	0.148	0.085	0.085		
11/4/2008	22:45	2.02	13:30	2.65	2.29	05:15	1.04	13:30	2.23	1.46	05:15	0.049	13:30	0.146	0.079	0.079		
11/5/2008	22:45	1.94	12:00	2.60	2.23	23:45	0.90	12:00	2.10	1.37	23:45	0.039	12:00	0.134	0.071	0.071	0.16	

Date	Depth					Velocity					Quantity					Rain	
	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Time	Min	Time	Max	Avg	Total	Total
11/6/2008	02:30	1.75	11:00	2.61	2.22	02:30	0.88	11:00	2.13	1.36	02:30	0.025	11:00	0.136	0.072	0.072	0.10
11/7/2008	01:45	1.78	13:30	2.66	2.26	01:15	0.79	13:30	2.28	1.41	01:15	0.031	13:30	0.150	0.076	0.076	
11/8/2008	05:00	1.98	16:30	2.68	2.29	04:00	0.94	16:30	2.35	1.46	04:00	0.043	16:30	0.156	0.079	0.079	
11/9/2008	19:15	2.02	21:15	2.62	2.21	04:30	0.97	21:15	2.15	1.30	06:45	0.045	21:15	0.138	0.067	0.067	
11/10/2008	23:45	1.97	12:15	2.68	2.34	04:30	0.97	09:45	2.30	1.58	23:45	0.042	09:45	0.147	0.089	0.089	
11/11/2008	22:30	1.95	09:15	2.62	2.23	23:30	0.83	13:00	2.11	1.40	23:30	0.037	11:45	0.129	0.075	0.075	
11/12/2008	00:00	1.90	12:00	2.58	2.27	00:00	0.86	12:15	2.23	1.47	00:00	0.035	12:15	0.139	0.079	0.079	
11/13/2008	22:30	1.92	12:30	2.57	2.26	03:45	0.83	09:30	2.23	1.45	03:45	0.035	09:30	0.140	0.078	0.078	
11/14/2008	00:30	1.90	14:15	2.64	2.27	05:30	0.79	15:30	2.27	1.44	01:45	0.035	15:30	0.144	0.078	0.078	
11/15/2008	01:30	1.93	17:15	2.76	2.23	04:00	0.94	17:15	2.25	1.38	04:00	0.040	17:15	0.155	0.073	0.073	
11/16/2008	23:30	1.97	17:15	2.56	2.21	22:00	0.94	18:15	2.08	1.34	23:30	0.040	18:15	0.127	0.069	0.069	
11/17/2008	01:45	1.97	12:45	2.80	2.34	01:30	0.94	12:30	2.30	1.57	01:30	0.041	12:45	0.158	0.089	0.089	
11/18/2008	04:30	1.98	09:15	2.59	2.28	00:15	0.94	09:15	2.21	1.46	00:15	0.041	09:15	0.140	0.078	0.078	
11/19/2008	03:00	2.10	21:00	2.55	2.30	00:45	1.12	08:45	2.16	1.51	04:30	0.054	08:45	0.132	0.082	0.082	
11/20/2008	23:45	2.02	09:45	2.74	2.28	23:45	1.04	10:30	2.32	1.48	23:45	0.047	10:30	0.156	0.080	0.080	
11/21/2008	01:00	2.00	14:00	2.69	2.28	04:15	0.94	08:00	2.10	1.46	04:15	0.042	14:00	0.138	0.079	0.079	
11/22/2008	01:30	2.10	11:15	2.65	2.30	04:45	1.04	10:00	2.30	1.48	04:45	0.052	10:00	0.148	0.080	0.080	
11/23/2008	06:15	2.13	19:15	2.67	2.30	05:30	1.08	15:15	2.30	1.45	07:30	0.052	15:15	0.151	0.079	0.079	
11/24/2008	23:15	1.97	13:00	2.80	2.36	23:30	0.94	10:15	2.34	1.58	23:30	0.042	13:00	0.158	0.090	0.090	
11/25/2008	00:30	1.94	08:45	2.74	2.32	00:30	0.79	07:00	2.33	1.54	00:30	0.034	07:00	0.150	0.085	0.085	1.69
11/26/2008	04:30	1.94	20:15	2.72	2.32	04:30	0.85	14:30	2.32	1.55	04:30	0.036	20:15	0.155	0.085	0.085	0.01
11/27/2008	04:00	2.05	12:15	2.73	2.26	03:45	1.15	12:15	2.14	1.41	06:15	0.054	12:15	0.146	0.075	0.075	
11/28/2008	05:15	2.08	13:00	2.73	2.40	03:00	1.15	13:00	2.36	1.62	04:45	0.055	13:00	0.161	0.094	0.094	0.03
11/29/2008	06:30	2.14	13:15	2.80	2.44	03:30	1.19	15:00	2.38	1.68	04:45	0.060	13:15	0.162	0.100	0.100	
11/30/2008	05:30	2.23	22:30	2.80	2.47	08:00	1.26	19:15	2.50	1.64	09:15	0.067	19:15	0.175	0.099	0.099	1.13
12/1/2008	03:00	2.22	08:45	2.92	2.54	00:45	1.19	08:45	2.43	1.82	00:45	0.064	08:45	0.181	0.113	0.113	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Depth (in) : D Velocity (ft/s) : V Quantity (MGD - Total MG) : Q Rain (in) : Rain

	D	V	Q	Rain
Report Total			5.466	10.24
Report Avg	2.30	1.45	0.080	

Rainfall data

The rainfall measured at JC_RG1 from September 25, 2008 to December 01, 2008 is 10.24 inches.

a division of ADS LLC.

Site Name:	JC_RG-1	Meter Type:	1501	Monitor S/N:	8702	Manhole #:	N/A
Address / Location:	Central Avenue at Atwood Avenue (Pump Station) *** SEE BELOW ***			Map Page #:	N/A	Pipe Height:	N/A Inches
Access:	Drive	Type of System:		Pipe Width:	N/A	Phone Number:	N/A



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 22, 2008	12:30 PM	Manhole Depth:	N/A	Feet
Site Hydraulics:	N/A		Manhole Material / Condition:	N/A	
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	N/A	
Downstream Manhole:	N/A		Mini System Character:	N/A	
Depth of Flow (Wet Dof):	N/A	+/-	Telephone Information:		
Range (Air Dof):	N/A	+/-	Access Pole #:	N/A	
Peak Velocity:	N/A	fps	Distance From Manhole:	N/A Feet	
Silt:	N/A	Inches	Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
N 41 48' 35.1" W 71 29' 28.3"



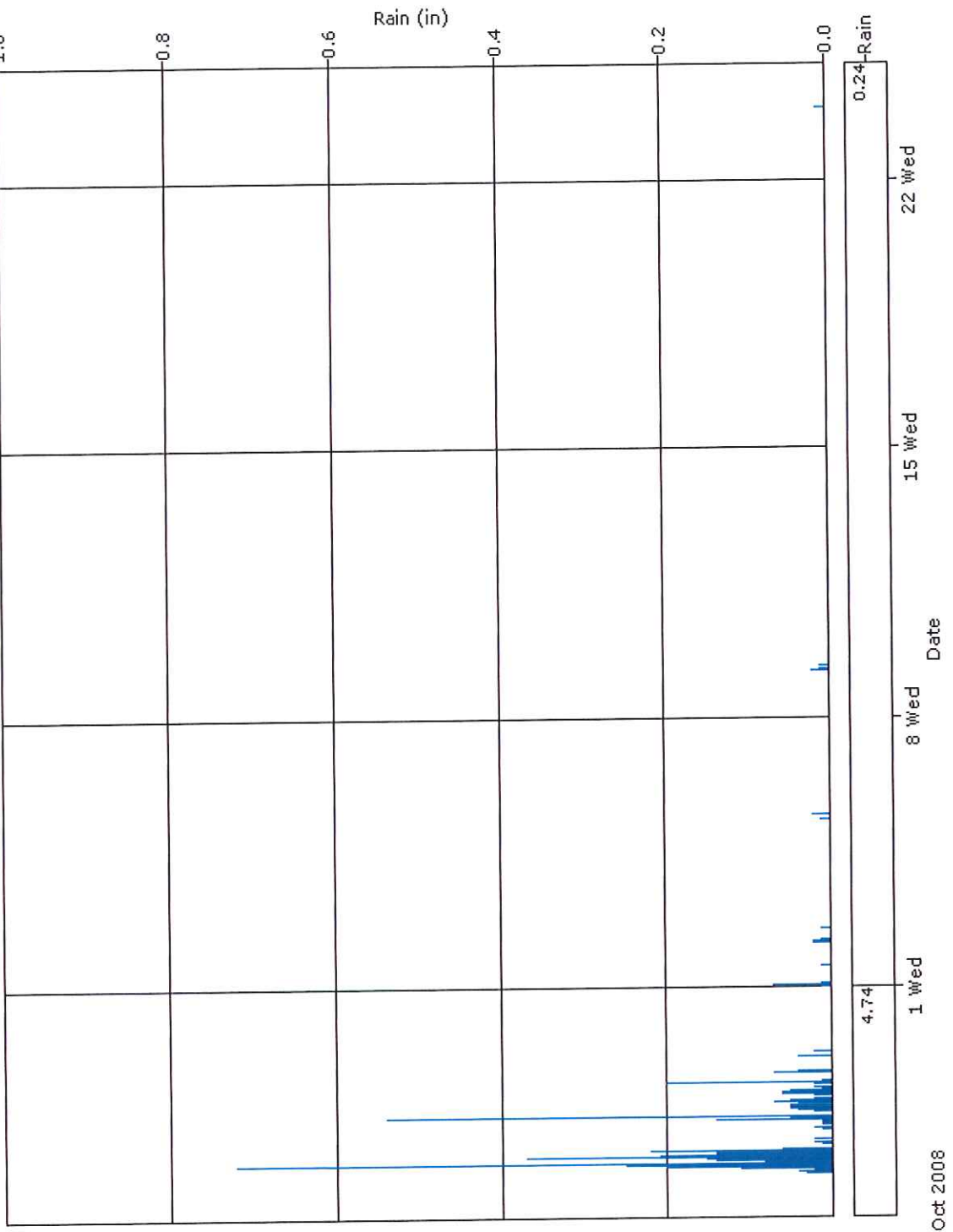
Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Rain Gauge	Trunk		X		
Sensors / Devices:	Rain Gauge Tipping Bucket	Lift/Pump Station		X		
Surcharge Height:	N/A	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

***CALL MEG TO OPEN GATE 401-461-8848 EXT 302 ***

HYDROGRAPH REPORT

JC_RG1



Flow Monitor
JC_RG1

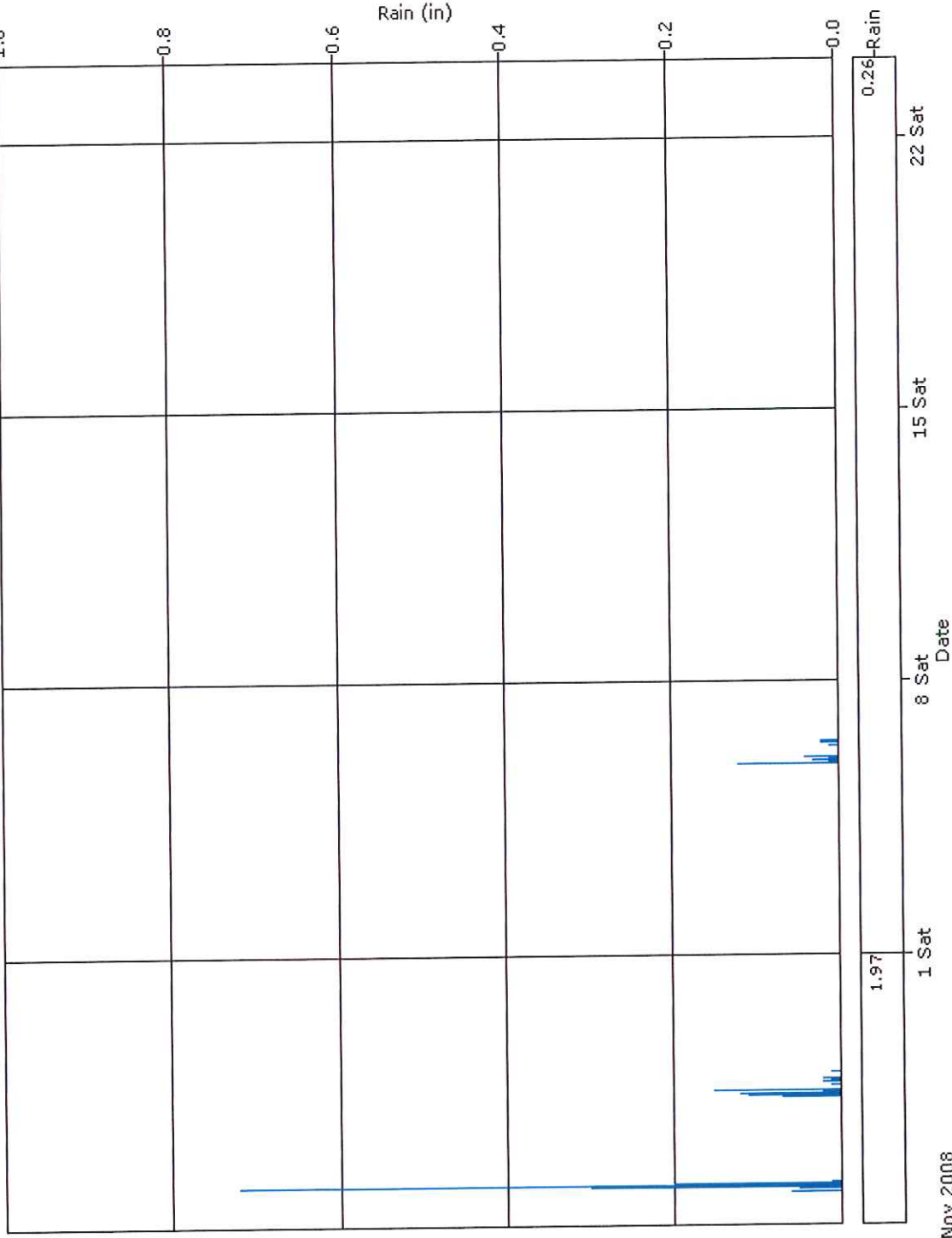
Nominal Diameter
10-in.

Report Period
9/25/2008
To
10/24/2008

Legend
— Rain

HYDROGRAPH REPORT

JC_RG1



Flow Monitor

JC_RG1

Nominal Diameter
10-in.

Report Period

10/25/2008
To
11/23/2008

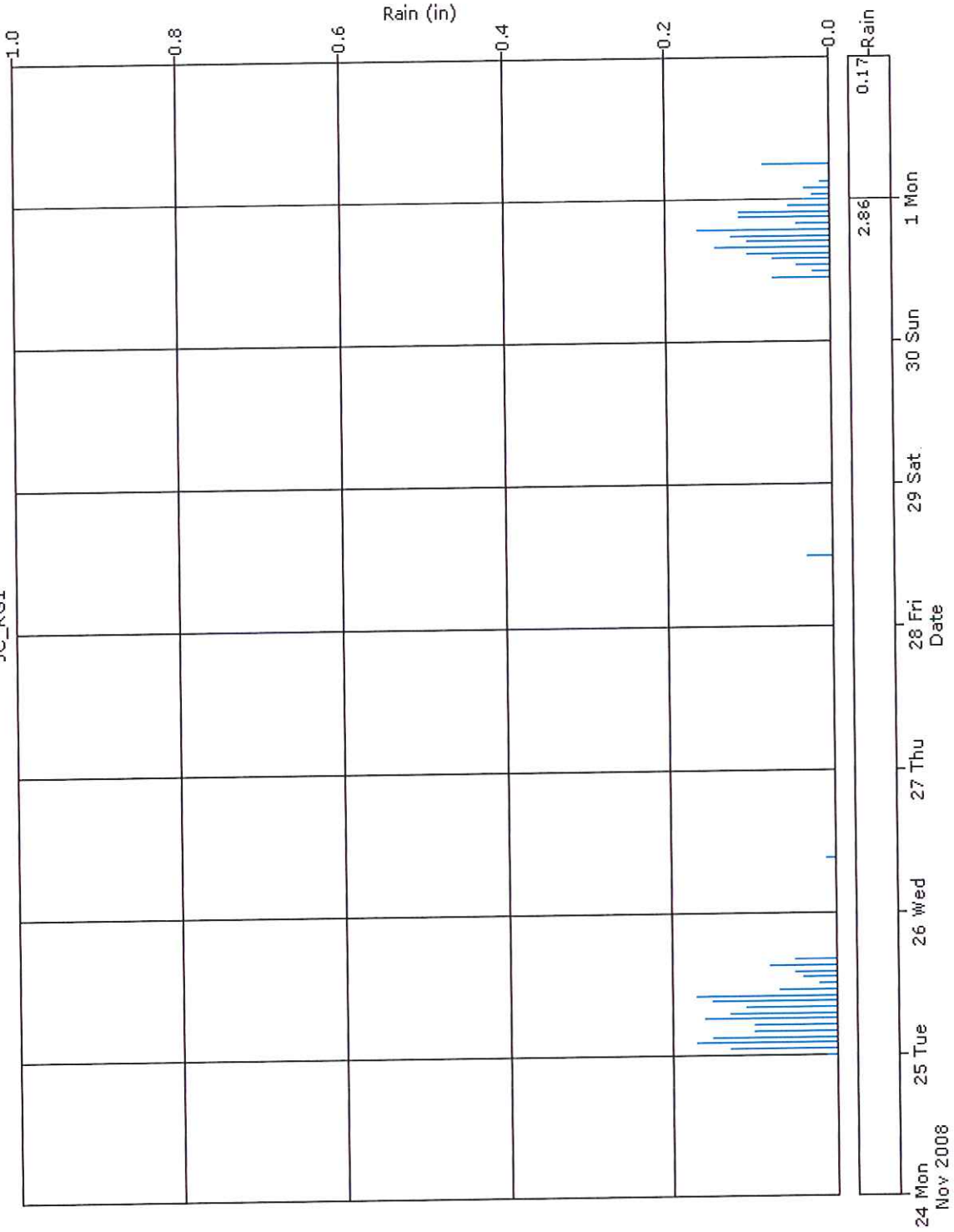
Legend

— Rain

Nov 2008

HYDROGRAPH REPORT

JC_RG1



Flow Monitor
JC_RG1

Nominal Diameter
10-in.

Report Period
11/24/2008
To
12/1/2008

Legend
— Rain



JC_RG1, Pipe Height: 10"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Rain
	Total
9/25/2008	
9/26/2008	2.91
9/27/2008	1.06
9/28/2008	0.71
9/29/2008	0.06
9/30/2008	
10/1/2008	0.10
10/2/2008	0.06
10/3/2008	
10/4/2008	
10/5/2008	0.03
10/6/2008	
10/7/2008	
10/8/2008	
10/9/2008	0.04
10/10/2008	
10/11/2008	
10/12/2008	
10/13/2008	
10/14/2008	
10/15/2008	
10/16/2008	
10/17/2008	
10/18/2008	
10/19/2008	
10/20/2008	
10/21/2008	
10/22/2008	
10/23/2008	0.01
10/24/2008	
10/25/2008	0.11
10/26/2008	1.23
10/27/2008	
10/28/2008	0.63
10/29/2008	
10/30/2008	
10/31/2008	
11/1/2008	
11/2/2008	
11/3/2008	
11/4/2008	
11/5/2008	0.16

Date	Rain Total
11/6/2008	0.10
11/7/2008	
11/8/2008	
11/9/2008	
11/10/2008	
11/11/2008	
11/12/2008	
11/13/2008	
11/14/2008	
11/15/2008	
11/16/2008	
11/17/2008	
11/18/2008	
11/19/2008	
11/20/2008	
11/21/2008	
11/22/2008	
11/23/2008	
11/24/2008	
11/25/2008	1.69
11/26/2008	0.01
11/27/2008	
11/28/2008	0.03
11/29/2008	
11/30/2008	1.13
12/1/2008	0.17

Report Summary For The Period 9/25/2008 - 12/1/2008

Rain (in) : Rain

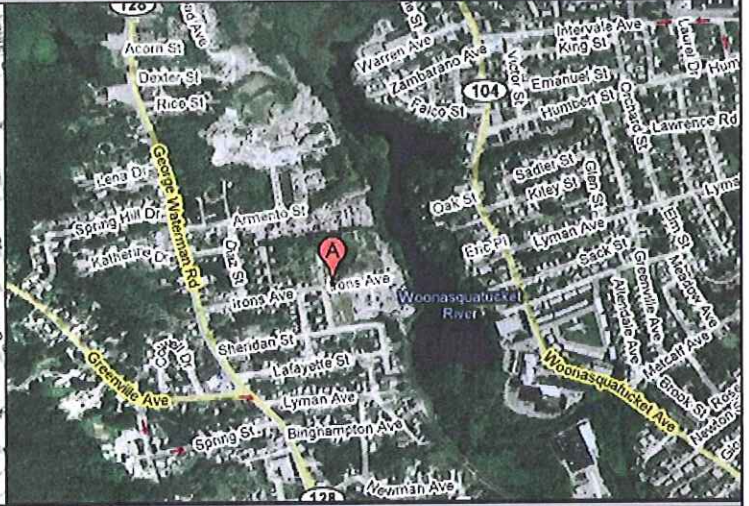
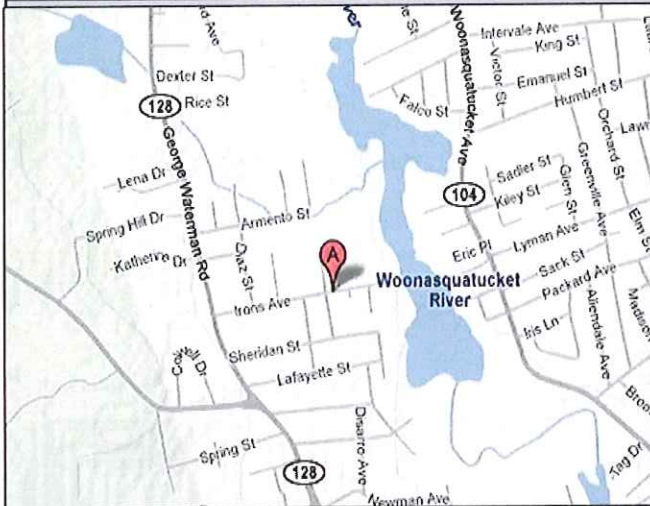
	Rain
Report Total	10.24
Report Avg	

Rainfall data

The rainfall measured at JC_RG2 from September 25, 2008 to December 01, 2008 is 10.03 inches.

a division of ADS LLC.

Site Name:	JC_RG-2	Meter Type:	1501	Monitor S/N:	8684	Manhole #:	N/A
Address / Location:	100 Irons Avenue - on the roof (DPW)			Map Page #:	N/A		
Access:	Drive	Type of System:		Pipe Height:	N/A	Inches	
				Pipe Width:	N/A		
				Phone Number:	N/A		



Investigation Information:			Manhole Information:		
Date/Time of Investigation:	September 25, 2008	12:00	Manhole Depth:	N/A	Feet
Site Hydraulics:	N/A		Manhole Material / Condition:	N/A	
Upstream Input: (L/S, P/S)	N/A		Active Drop Connections?		
Upstream Manhole:	N/A		Pipe Material / Condition:	N/A	
Downstream Manhole:	N/A		Mini System Character:	N/A	
Depth of Flow (Wet Dof):	N/A	+/-	Telephone Information:		
Range (Air Dof):	N/A	+/-	Access Pole #:	N/A	
Peak Velocity:	N/A	fps	Distance From Manhole:	N/A Feet	
Silt:	N/A	Inches	Road Cut Length:	N/A Feet	
			Trench Length:	N/A Feet	

Other Information:
N 41 50' 28.4" W 71 28' 46.1"



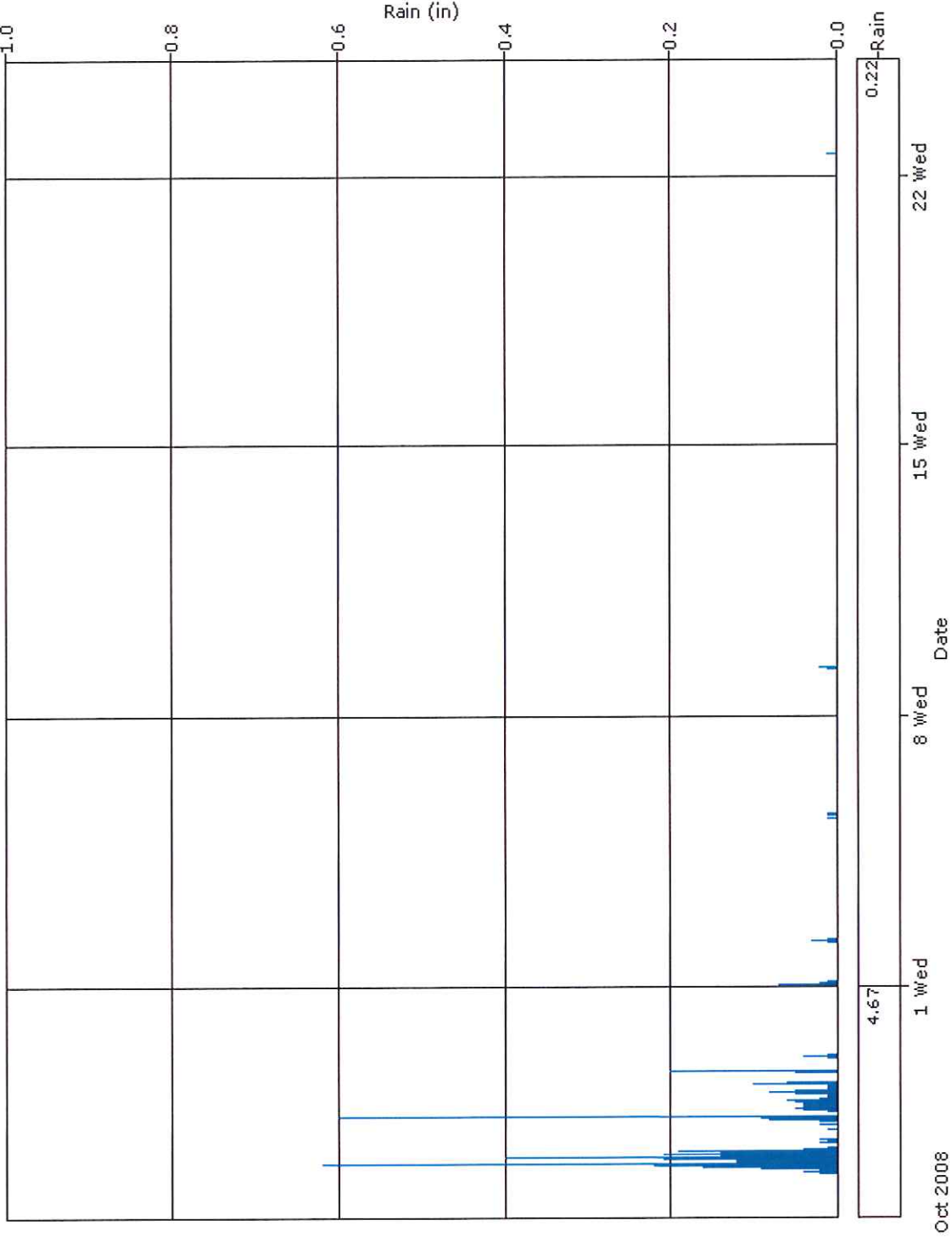
Installation Information		Backup	Yes	No	?	Distance
Installation Type:	Rain Gauge	Trunk		X		
Sensors / Devices:	Rain Gauge Tipping Bucket	Lift/Pump Station		X		
Surcharge Height:	N/A	WWTP		X		
Rain Gauge Zone:		Other		X		

Additional Site Information / Comments:

**** CONTACT - MAC MCGALY ****

HYDROGRAPH REPORT

JC_RG2



Flow Monitor
JC_RG2

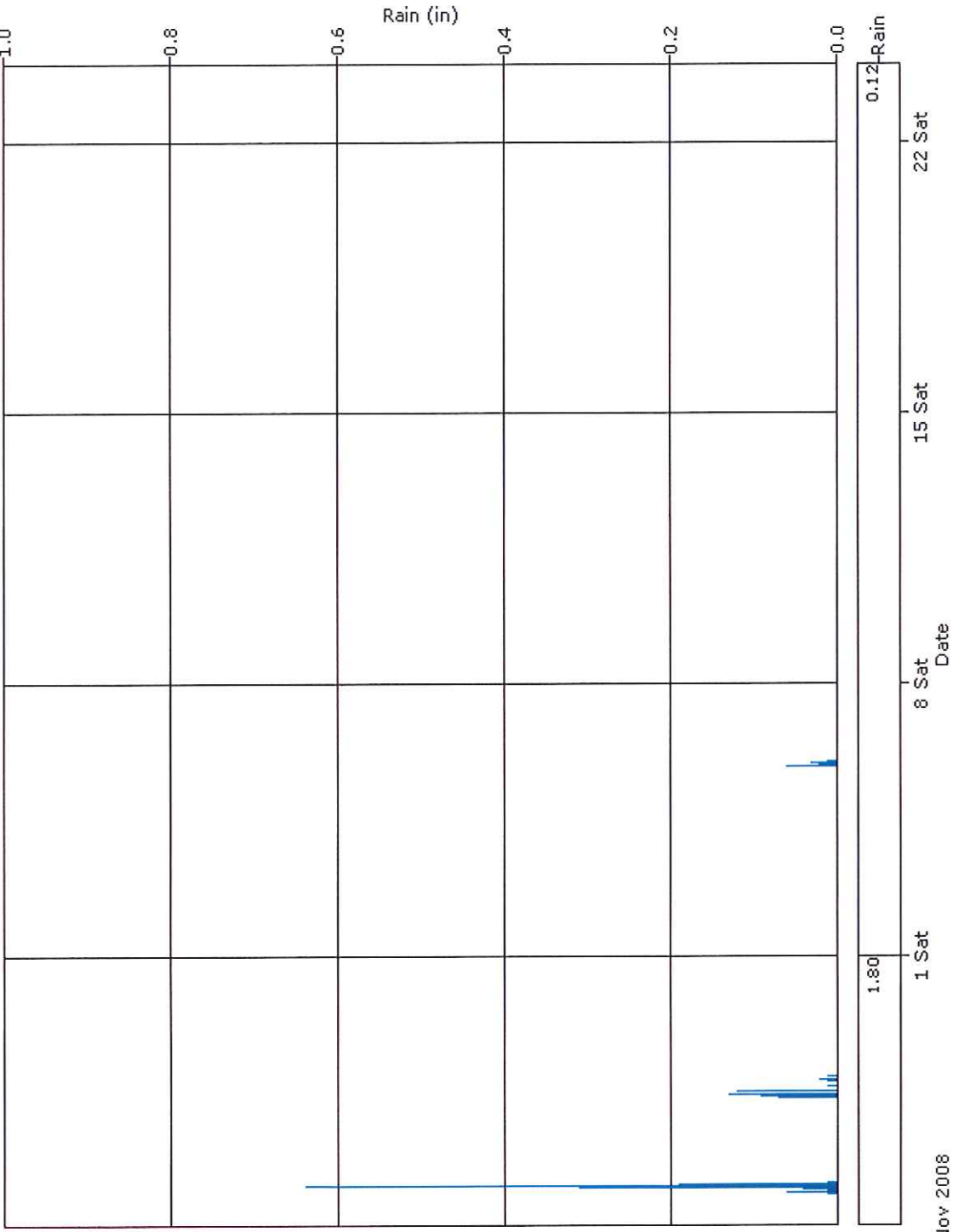
Nominal Diameter
10-in.

Report Period
9/25/2008
To
10/24/2008

Legend
— Rain

HYDROGRAPH REPORT

JC_RG2



Flow Monitor
JC_RG2

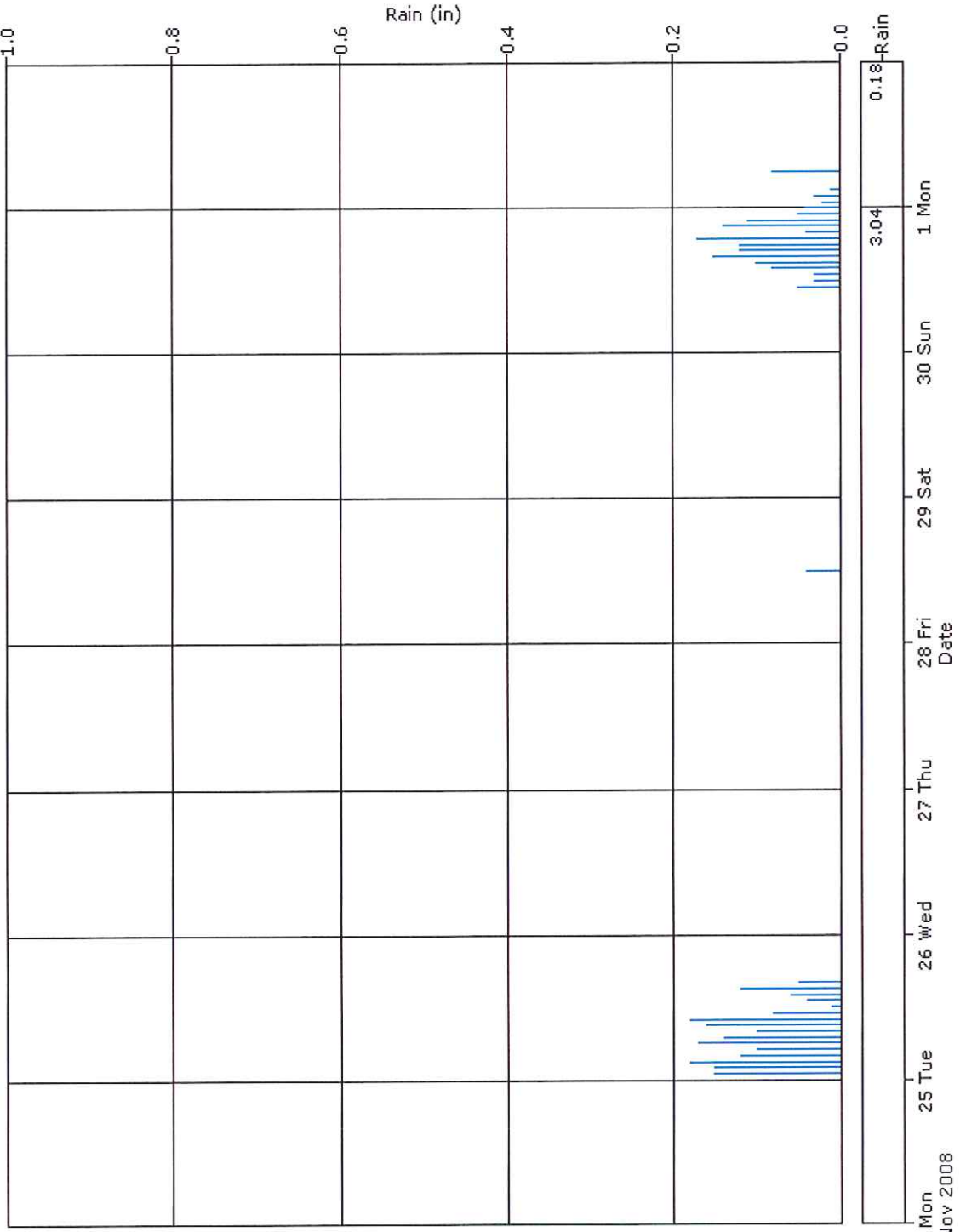
Nominal Diameter
10-in.

Report Period
10/25/2008
To
11/23/2008

Legend
— Rain

HYDROGRAPH REPORT

JC_RG2



Flow Monitor
JC_RG2

Nominal Diameter
10-in.

Report Period
11/24/2008
To
12/1/2008

Legend
— Rain



JC_RG2, Pipe Height: 10"

Daily Tabular Report

Depth (in) Velocity (ft/s) Quantity (MGD - Total MG) Rain (in)

Date	Rain
	Total
9/25/2008	
9/26/2008	2.77
9/27/2008	1.07
9/28/2008	0.77
9/29/2008	0.06
9/30/2008	
10/1/2008	0.10
10/2/2008	0.05
10/3/2008	
10/4/2008	
10/5/2008	0.03
10/6/2008	
10/7/2008	
10/8/2008	
10/9/2008	0.03
10/10/2008	
10/11/2008	
10/12/2008	
10/13/2008	
10/14/2008	
10/15/2008	
10/16/2008	
10/17/2008	
10/18/2008	
10/19/2008	
10/20/2008	
10/21/2008	
10/22/2008	0.01
10/23/2008	
10/24/2008	
10/25/2008	0.12
10/26/2008	1.15
10/27/2008	
10/28/2008	0.53
10/29/2008	
10/30/2008	
10/31/2008	
11/1/2008	
11/2/2008	
11/3/2008	
11/4/2008	
11/5/2008	0.11

Date	Rain
	Total
11/6/2008	0.01
11/7/2008	
11/8/2008	
11/9/2008	
11/10/2008	
11/11/2008	
11/12/2008	
11/13/2008	
11/14/2008	
11/15/2008	
11/16/2008	
11/17/2008	
11/18/2008	
11/19/2008	
11/20/2008	
11/21/2008	
11/22/2008	
11/23/2008	
11/24/2008	
11/25/2008	1.81
11/26/2008	
11/27/2008	
11/28/2008	0.04
11/29/2008	
11/30/2008	1.19
12/1/2008	0.18

Report Summary For The Period 9/25/2008 - 12/1/2008

Rain (in) : Rain

	Rain
Report Total	10.03
Report Avg	

