

SANDY Ditch meas.

Discharge Measurement Summary

Date Generated: Mon May 18 2009

File Information

File Name SANDL.WAD
 Start Date and Time 2009/05/06 13:27:15

Site Details

Site Name
 Operator(s) DAN

System Information

Sensor Type FlowTracker
 Serial # P1765
 CPU Firmware Version 3.2
 Software Ver 2.11

Units (English Units)

Distance ft
 Velocity ft/s
 Area ft²
 Discharge cfs

Discharge Uncertainty

Category	ISO	Stats
Accuracy	1.0%	1.0%
Depth	0.2%	2.5%
Velocity	1.0%	4.9%
Width	0.2%	0.2%
Method	1.4%	-
# Stations	4.2%	-
Overall	4.7%	5.6%

Summary

Averaging Int.	20	# Stations	12
Start Edge	LEW	Total Width	11.100
Mean SNR	47.6 dB	Total Area	21.140
Mean Temp	44.45 °F	Mean Depth	1.904
Disch. Equation	Mid-Section	Mean Velocity	0.8273
		Total Discharge	17.4892

Measurement Results

St	Clock	Loc	Method	Depth	%Dep	MeasD	Vel	CorrFact	MeanV	Area	Flow	%Q
0	13:27	0.90	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0
1	13:27	2.00	0.6	0.800	0.6	0.320	0.4147	1.00	0.4147	0.840	0.3483	2.0
2	13:28	3.00	0.6	1.400	0.6	0.560	0.5390	1.00	0.5390	1.400	0.7546	4.3
3	13:32	4.00	0.8/0.2	2.600	0.2	2.080	1.0663	1.00	0.8566	2.600	2.2273	12.7
3	13:31	4.00	0.8/0.2	2.600	0.8	0.520	0.6470					
4	13:32	5.00	0.2/0.8	3.100	0.2	2.480	1.2884	1.00	1.0804	3.100	3.3493	19.2
4	13:33	5.00	0.2/0.8	3.100	0.8	0.620	0.8724					
5	13:35	6.00	0.8/0.2	3.100	0.2	2.480	1.3100	1.00	1.1161	3.100	3.4601	19.8
5	13:34	6.00	0.8/0.2	3.100	0.8	0.620	0.9222					
6	13:35	7.00	0.2/0.8	2.800	0.2	2.240	1.2169	1.00	1.0422	2.800	2.9179	16.7
6	13:37	7.00	0.2/0.8	2.800	0.8	0.560	0.8675					
7	13:38	8.00	0.8/0.2	2.600	0.2	2.080	1.1309	1.00	0.9923	2.600	2.5800	14.8
7	13:38	8.00	0.8/0.2	2.600	0.8	0.520	0.8537					
8	13:40	9.00	0.2/0.8	2.300	0.2	1.840	0.8632	1.00	0.7006	2.300	1.6113	9.2
8	13:40	9.00	0.2/0.8	2.300	0.8	0.460	0.5381					
9	13:42	10.00	0.6	1.500	0.6	0.600	0.0846	1.00	0.0846	1.500	0.1270	0.7
10	13:43	11.00	0.6	0.900	0.6	0.360	0.1260	1.00	0.1260	0.900	0.1134	0.6
11	13:43	12.00	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Discharge Measurement Summary

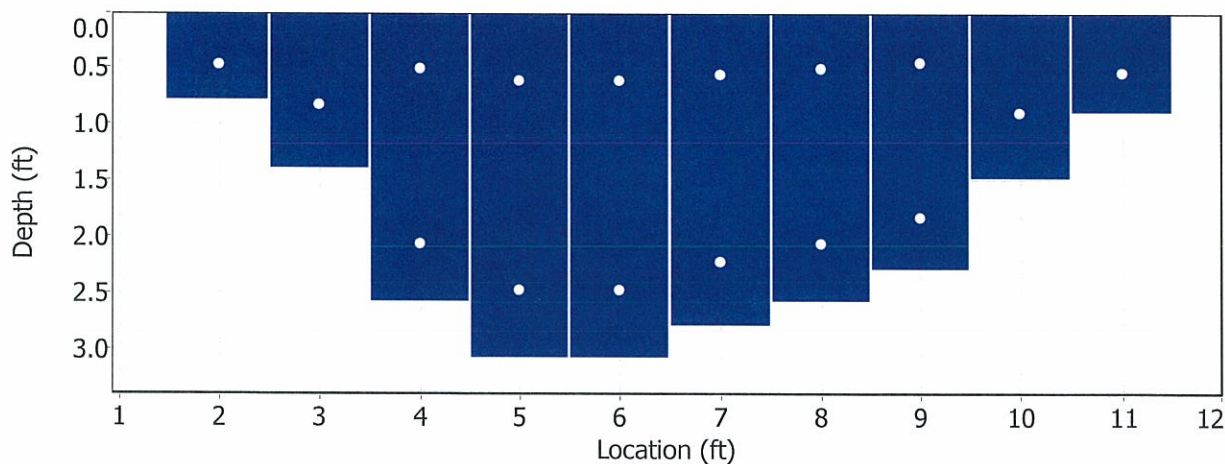
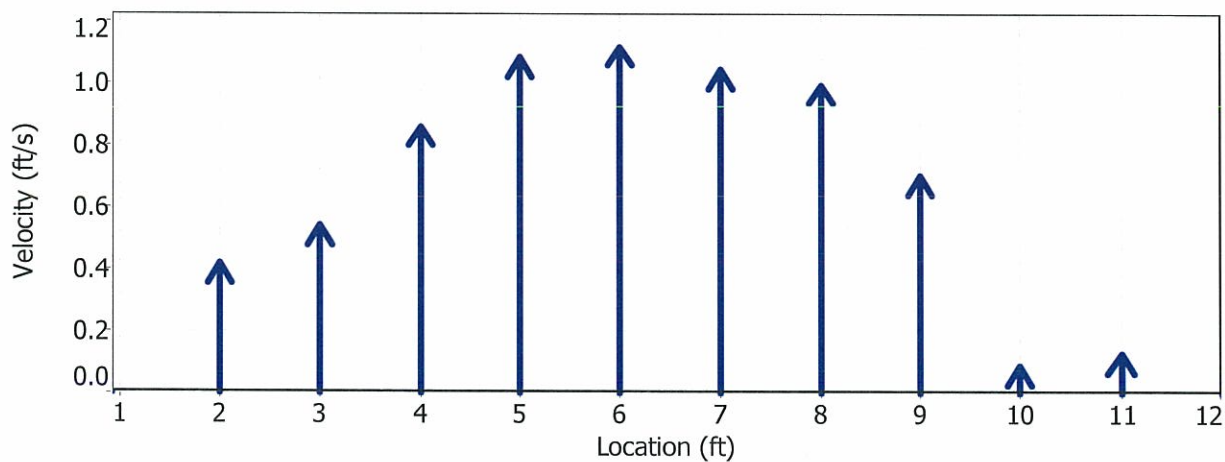
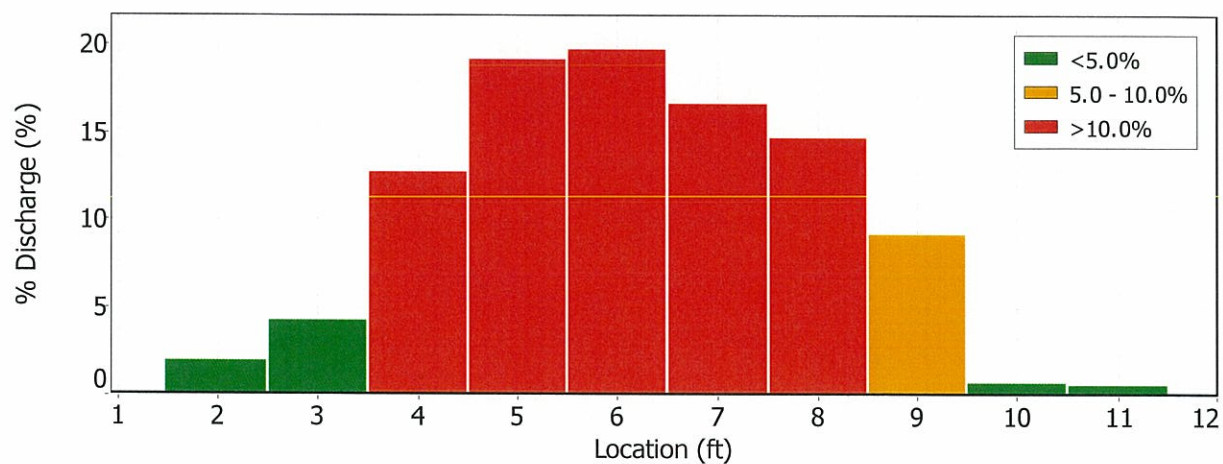
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Quality Control

St	Loc	%Dep	Message
3	4.00	0.8	High standard error: 0.046
4	5.00	0.8	High standard error: 0.047
6	7.00	0.8	High standard error: 0.048
9	10.00	0.6	High angle: 21

Hall Ditch Mass

Discharge Measurement Summary

Date Generated: Mon May 18 2009

File Information

File Name HALL.WAD
Start Date and Time 2009/05/06 11:43:53

Site Details

Site Name
Operator(s) DAN

System Information

Sensor Type FlowTracker
Serial # P1765
CPU Firmware Version 3.2
Software Ver 2.11

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

Category	ISO	Stats
Accuracy	1.0%	1.0%
Depth	0.1%	2.3%
Velocity	0.8%	3.8%
Width	0.1%	0.1%
Method	2.1%	-
# Stations	2.2%	-
Overall	3.3%	4.6%

Summary

Averaging Int.	40	# Stations	23
Start Edge	LEW	Total Width	12.200
Mean SNR	45.1 dB	Total Area	12.750
Mean Temp	42.37 °F	Mean Depth	1.045
Disch. Equation	Mid-Section	Mean Velocity	1.8191
		Total Discharge	23.1938

Measurement Results

St	Clock	Loc	Method	Depth	%Dep	MeasD	Vel	CorrFact	MeanV	Area	Flow	%Q
0	11:43	1.80	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0
1	11:46	2.50	0.6	0.500	0.6	0.200	0.8684	1.00	0.8684	0.300	0.2606	1.1
2	11:47	3.00	0.6	1.100	0.6	0.440	0.4839	1.00	0.4839	0.550	0.2662	1.1
3	11:48	3.50	0.6	1.000	0.6	0.400	0.5873	1.00	0.5873	0.500	0.2936	1.3
4	11:50	4.00	0.6	1.000	0.6	0.400	1.4485	1.00	1.4485	0.500	0.7242	3.1
5	11:51	4.50	0.6	1.200	0.6	0.480	2.2644	1.00	2.2644	0.600	1.3588	5.9
6	11:52	5.00	0.6	1.300	0.6	0.520	2.9298	1.00	2.9298	0.650	1.9042	8.2
7	11:53	5.50	0.6	1.300	0.6	0.520	3.3471	1.00	3.3471	0.650	2.1754	9.4
8	11:54	6.00	0.6	1.300	0.6	0.520	3.3297	1.00	3.3297	0.650	2.1641	9.3
9	11:55	6.50	0.6	1.300	0.6	0.520	3.1752	1.00	3.1752	0.650	2.0637	8.9
10	11:56	7.00	0.6	1.400	0.6	0.560	3.0049	1.00	3.0049	0.700	2.1033	9.1
11	11:57	7.50	0.6	1.400	0.6	0.560	2.5705	1.00	2.5705	0.700	1.7993	7.8
12	11:58	8.00	0.6	1.500	0.6	0.600	2.6427	1.00	2.6427	0.750	1.9820	8.5
13	12:00	8.50	0.6	1.600	0.6	0.640	2.6942	1.00	2.6942	0.800	2.1555	9.3
14	12:00	9.00	0.6	1.600	0.6	0.640	2.5092	1.00	2.5092	0.800	2.0074	8.7
15	12:02	9.50	0.6	1.600	0.6	0.640	0.5745	1.00	0.5745	0.800	0.4596	2.0
16	12:03	10.00	0.6	1.700	0.6	0.680	-0.0308	1.00	-0.0308	0.850	-0.0262	-0.1
17	12:05	10.50	0.6	1.700	0.6	0.680	0.3658	1.00	0.3658	0.850	0.3110	1.3
18	12:07	11.00	0.6	1.100	0.6	0.440	0.2664	1.00	0.2664	0.550	0.1465	0.6
19	12:09	11.50	0.6	0.700	0.6	0.280	1.2625	1.00	1.2625	0.350	0.4419	1.9
20	12:10	12.00	0.6	0.700	0.6	0.280	1.4213	1.00	1.4213	0.350	0.4975	2.1
21	12:11	12.50	0.6	0.200	0.6	0.080	0.5253	1.00	0.5253	0.200	0.1051	0.5
22	12:11	14.00	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0

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HALL.WAD

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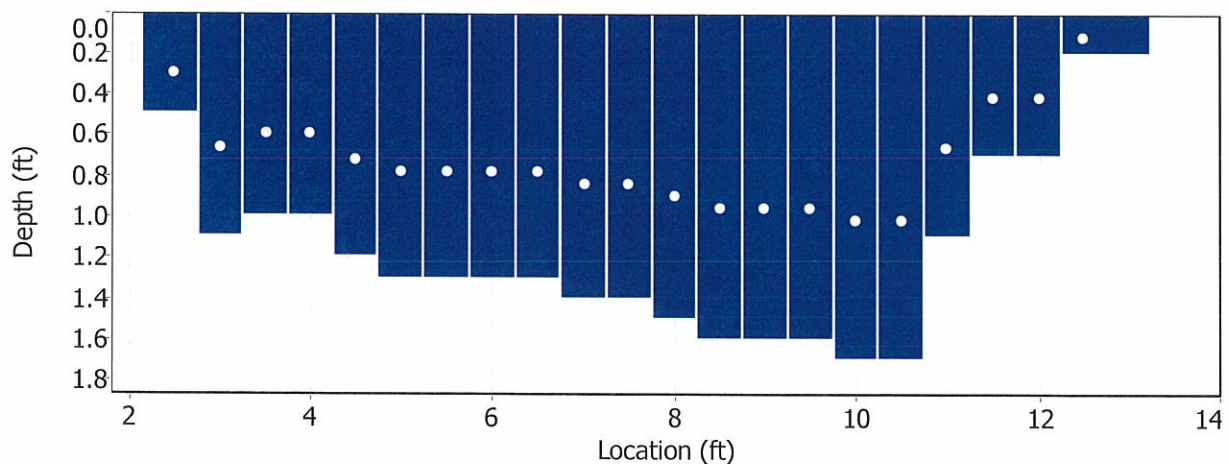
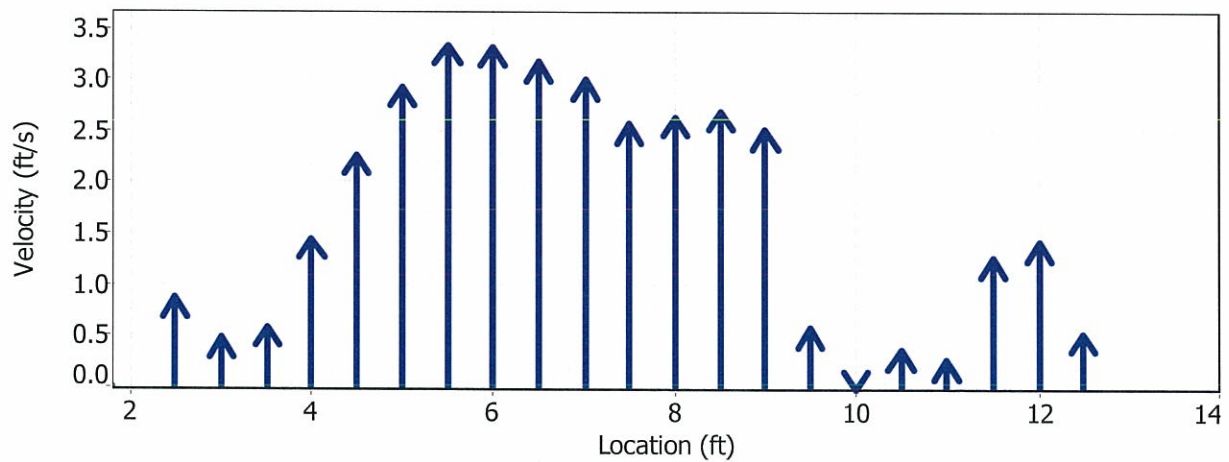
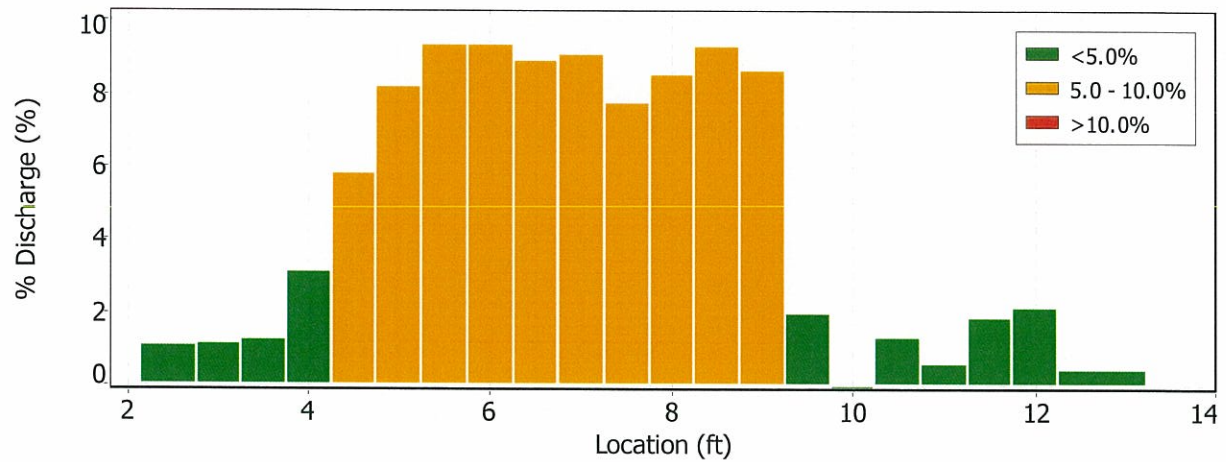
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Site Details

Site Name

Operator(s)

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Site Details

Site Name
Operator(s) DAN

Quality Control

St	Loc	%Dep	Message
15	9.50	0.6	High standard error: 0.081
16	10.00	0.6	High angle: -122
		0.6	SNR (33.8) is different from typical SNR (45.1)
		0.6	High SNR variation during measurement: 6.5,4.3
17	10.50	0.6	High SNR variation during measurement: 3.4,6.5
18	11.00	0.6	High angle: -24
19	11.50	0.6	High standard error: 0.074
20	12.00	0.6	High standard error: 0.073
21	12.50	0.6	High angle: -26

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Automatic Quality Control Test (BeamCheck)