

Discharge Measurement Summary

Site name WCanal3
Site number 01
Operator(s) TMiller
File name WestCanal_20230412_1114.ft
Comment

Start time	4/12/2023 11:14 AM	Sensor type	Top Setting
End time	4/12/2023 12:30 PM	Handheld serial number	FT2H2219029
Start location latitude	42.810	Probe serial number	FT2P2219014
Start location longitude	-118.871	Probe firmware	1.30
Calculations engine	FlowTracker2	Handheld software	1.7

# Stations	Avg interval (s)	Total discharge (m³/s)
18	40	0.5989

Total width (m)	Total area (m²)	Wetted Perimeter (m)
4.785	2.48581	5.171

Mean SNR (dB)	Mean depth (m)	Mean velocity (m/s)
44	0.519	0.2409

Mean temp (°C)	Max depth (m)	Max velocity (m/s)
3.089	0.704	0.3778

Discharge Uncertainty		
Category	ISO	IVE
Accuracy	1.0%	1.0%
Depth	0.1%	1.4%
Velocity	0.3%	6.6%
Width	0.1%	0.1%
Method	1.0%	
# Stations	2.8%	
Overall	3.2%	6.9%

Discharge equation	Mid Section
Discharge uncertainty	IVE
Discharge reference	Rated

Data Collection Settings	
Salinity	0.000 PSS-78
Temperature	-
Sound speed	-
Mounting correction	0.000 %

Summary overview

No changes were made to this file
Quality control warnings



Discharge Measurement Summary

Site name WCanal3
Site number 01
Operator(s) TMiller
File name WestCanal_20230412_1114.ft
Comment

Station Warning Settings

Station discharge OK

Station discharge < 5.00%

Station discharge caution

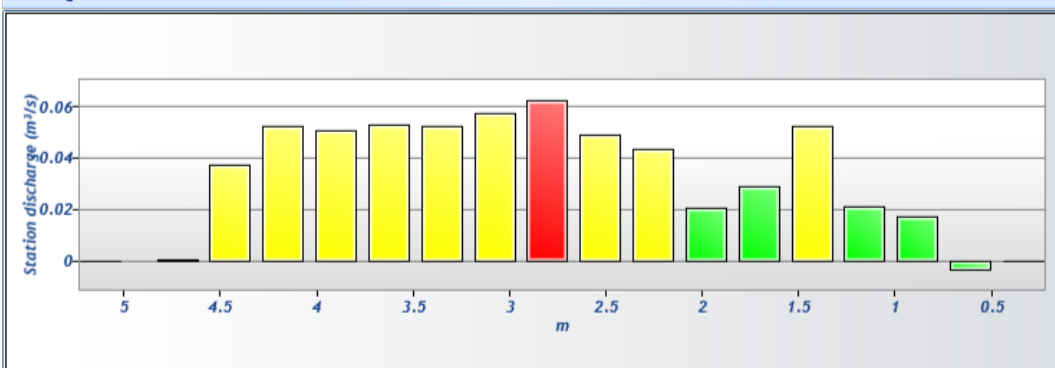
5.00% >= Station discharge < 10.00%

Station discharge warning

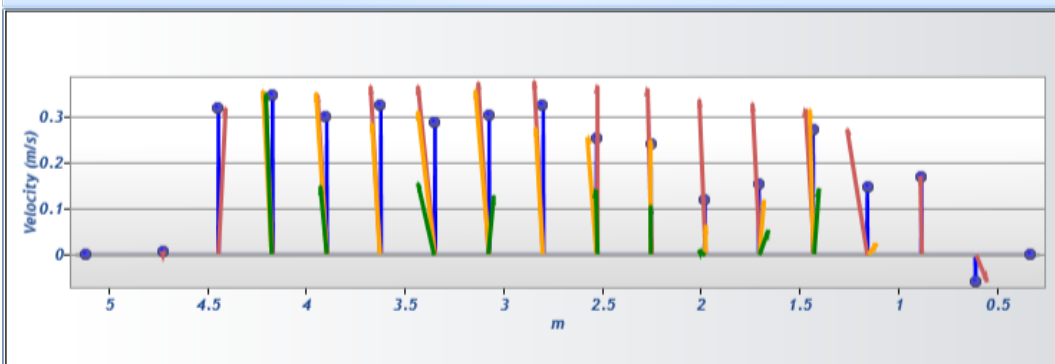
Station discharge >= 10.00%



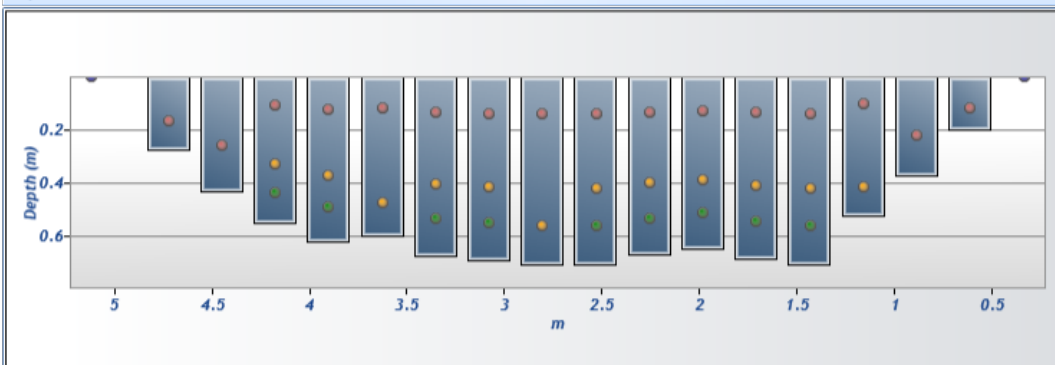
Discharge chart

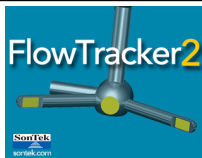


Velocity chart



Depth chart



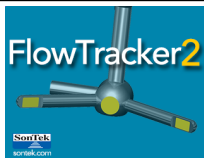


Discharge Measurement Summary

Site name WCanal3
Site number 01
Operator(s) TMiller
File name WestCanal_20230412_1114.ft
Comment

Measurement results

St#	Time	Location (m)	Method	Depth (m)	%Depth	Measured Depth (m)	Samples	Velocity (m/s)	Correction	Mean Velocity (m/s)	Area (m ²)	Flow (m ³ /s)	%Q	
0	11:14 AM	0.335	None	0.000	0.0000	0.000	0	0.0000	1.0000	-0.0591	0.00000	0.0000	0.00	✓
1	11:15 AM	0.610	0.6	0.195	0.6000	0.117	80	-0.0591	1.0000	-0.0591	0.05351	-0.0032	-0.53	✓
2	11:20 AM	0.884	0.6	0.369	0.6000	0.221	80	0.1705	1.0000	0.1705	0.10117	0.0172	2.88	✓
3	11:22 AM	1.158	0.2/0.8	0.521	0.2000	0.104	80	0.2730	1.0000	0.1482	0.14298	0.0212	3.54	✓
3	11:22 AM	1.158	0.2/0.8	0.521	0.8000	0.417	80	0.0235	1.0000	0.1482	0.14298	0.0212	3.54	✓
4	11:26 AM	1.433	0.2/0.6/0.8	0.704	0.2000	0.141	80	0.3177	1.0000	0.2730	0.19315	0.0527	8.81	✓
4	11:26 AM	1.433	0.2/0.6/0.8	0.704	0.6000	0.422	80	0.3156	1.0000	0.2730	0.19315	0.0527	8.81	✓
4	11:26 AM	1.433	0.2/0.6/0.8	0.704	0.8000	0.563	80	0.1432	1.0000	0.2730	0.19315	0.0527	8.81	✓
5	11:32 AM	1.707	0.2/0.6/0.8	0.680	0.2000	0.136	80	0.3296	1.0000	0.1550	0.18646	0.0289	4.83	✓
5	11:32 AM	1.707	0.2/0.6/0.8	0.680	0.6000	0.408	80	0.1180	1.0000	0.1550	0.18646	0.0289	4.83	✓
5	11:32 AM	1.707	0.2/0.6/0.8	0.680	0.8000	0.544	80	0.0544	1.0000	0.1550	0.18646	0.0289	4.83	✓
6	11:38 AM	1.981	0.2/0.6/0.8	0.643	0.2000	0.129	80	0.3378	1.0000	0.1188	0.17642	0.0210	3.50	✓
6	11:38 AM	1.981	0.2/0.6/0.8	0.643	0.6000	0.386	80	0.0635	1.0000	0.1188	0.17642	0.0210	3.50	✓
6	11:38 AM	1.981	0.2/0.6/0.8	0.643	0.8000	0.515	80	0.0103	1.0000	0.1188	0.17642	0.0210	3.50	✓
7	11:44 AM	2.256	0.2/0.6/0.8	0.664	0.2000	0.133	80	0.3619	1.0000	0.2412	0.18228	0.0440	7.34	✓
7	11:44 AM	2.256	0.2/0.6/0.8	0.664	0.6000	0.399	80	0.2488	1.0000	0.2412	0.18228	0.0440	7.34	✓
7	11:44 AM	2.256	0.2/0.6/0.8	0.664	0.8000	0.532	80	0.1052	1.0000	0.2412	0.18228	0.0440	7.34	✓
8	11:50 AM	2.530	0.2/0.6/0.8	0.701	0.2000	0.140	80	0.3678	1.0000	0.2550	0.19231	0.0490	8.19	✓
8	11:50 AM	2.530	0.2/0.6/0.8	0.701	0.6000	0.421	80	0.2561	1.0000	0.2550	0.19231	0.0490	8.19	✓
8	11:50 AM	2.530	0.2/0.6/0.8	0.701	0.8000	0.561	80	0.1401	1.0000	0.2550	0.19231	0.0490	8.19	✓
9	11:55 AM	2.804	0.2/0.8	0.701	0.2000	0.140	80	0.3778	1.0000	0.3271	0.19231	0.0629	10.50	✓
9	11:55 AM	2.804	0.2/0.8	0.701	0.8000	0.561	80	0.2763	1.0000	0.3271	0.19231	0.0629	10.50	✓
10	11:58 AM	3.078	0.2/0.6/0.8	0.689	0.2000	0.138	80	0.3748	1.0000	0.3045	0.18896	0.0575	9.61	✓
10	11:58 AM	3.078	0.2/0.6/0.8	0.689	0.6000	0.413	80	0.3578	1.0000	0.3045	0.18896	0.0575	9.61	✓
10	11:58 AM	3.078	0.2/0.6/0.8	0.689	0.8000	0.551	80	0.1275	1.0000	0.3045	0.18896	0.0575	9.61	✓
11	12:03 PM	3.353	0.2/0.6/0.8	0.671	0.2000	0.134	79	0.3672	1.0000	0.2870	0.18395	0.0528	8.82	✓
11	12:03 PM	3.353	0.2/0.6/0.8	0.671	0.6000	0.402	80	0.3120	1.0000	0.2870	0.18395	0.0528	8.82	✓
11	12:03 PM	3.353	0.2/0.6/0.8	0.671	0.8000	0.536	80	0.1569	1.0000	0.2870	0.18395	0.0528	8.82	✓
12	12:14 PM	3.627	0.2/0.8	0.594	0.2000	0.119	80	0.3669	1.0000	0.3263	0.16304	0.0532	8.88	✓
12	12:14 PM	3.627	0.2/0.8	0.594	0.8000	0.475	80	0.2858	1.0000	0.3263	0.16304	0.0532	8.88	✓
13	12:18 PM	3.901	0.2/0.6/0.8	0.616	0.2000	0.123	80	0.3485	1.0000	0.3003	0.16890	0.0507	8.47	✓
13	12:18 PM	3.901	0.2/0.6/0.8	0.616	0.6000	0.369	80	0.3524	1.0000	0.3003	0.16890	0.0507	8.47	✓
13	12:18 PM	3.901	0.2/0.6/0.8	0.616	0.8000	0.493	80	0.1480	1.0000	0.3003	0.16890	0.0507	8.47	✓
14	12:22 PM	4.176	0.2/0.6/0.8	0.549	0.2000	0.110	80	0.3310	1.0000	0.3488	0.15050	0.0525	8.77	✓
14	12:22 PM	4.176	0.2/0.6/0.8	0.549	0.6000	0.329	80	0.3572	1.0000	0.3488	0.15050	0.0525	8.77	✓
14	12:22 PM	4.176	0.2/0.6/0.8	0.549	0.8000	0.439	80	0.3499	1.0000	0.3488	0.15050	0.0525	8.77	✓
15	12:26 PM	4.450	0.6	0.430	0.6000	0.258	80	0.3194	1.0000	0.3194	0.11789	0.0377	6.29	✓
16	12:28 PM	4.724	0.6	0.274	0.6000	0.165	80	0.0072	1.0000	0.0072	0.09197	0.0007	0.11	✓
17	12:30 PM	5.121	None	0.000	0.0000	0.000	0	0.0000		0.0072	0.00000	0.0000	0.00	✓



Discharge Measurement Summary

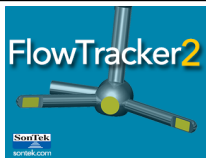
Site name WCanal3
Site number 01
Operator(s) TMiller
File name WestCanal_20230412_1114.ft
Comment

Quality Control Settings

Maximum depth change 50.00%
Maximum spacing change 100.00%
SNR threshold 10 dB
Standard error threshold 0.0100 m/s
Spike threshold 10.00%
Maximum velocity angle 20.0 deg
Maximum tilt angle 5.0 deg

Quality control warnings

St#	Time	Location (m)	Method	Depth (m)	%Depth	Measured Depth (m)	Warnings
1	11:15 AM	0.610	0.6	0.195	0.6000	0.117	Velocity Angle > QC
3	11:22 AM	1.158	0.2/0.8	0.521	0.2000	0.104	Velocity Angle > QC
3	11:22 AM	1.158	0.2/0.8	0.521	0.8000	0.417	Velocity Angle > QC
5	11:32 AM	1.707	0.2/0.6/0.8	0.680	0.2000	0.136	Velocity Angle > QC
5	11:32 AM	1.707	0.2/0.6/0.8	0.680	0.6000	0.408	Velocity Angle > QC
5	11:32 AM	1.707	0.2/0.6/0.8	0.680	0.8000	0.544	Velocity Angle > QC
6	11:38 AM	1.981	0.2/0.6/0.8	0.643	0.2000	0.129	Large SNR Variation
6	11:38 AM	1.981	0.2/0.6/0.8	0.643	0.6000	0.386	Large SNR Variation
6	11:38 AM	1.981	0.2/0.6/0.8	0.643	0.8000	0.515	Large SNR Variation
9	11:55 AM	2.804	0.2/0.8	0.701	0.2000	0.140	High Stn % Discharge
9	11:55 AM	2.804	0.2/0.8	0.701	0.8000	0.561	High Stn % Discharge
11	12:03 PM	3.353	0.2/0.6/0.8	0.671	0.2000	0.134	Velocity Angle > QC
11	12:03 PM	3.353	0.2/0.6/0.8	0.671	0.6000	0.402	Velocity Angle > QC
11	12:03 PM	3.353	0.2/0.6/0.8	0.671	0.8000	0.536	Velocity Angle > QC
17	12:30 PM	5.121	None	0.000	0.0000	0.000	Water Depth > QC



Discharge Measurement Summary

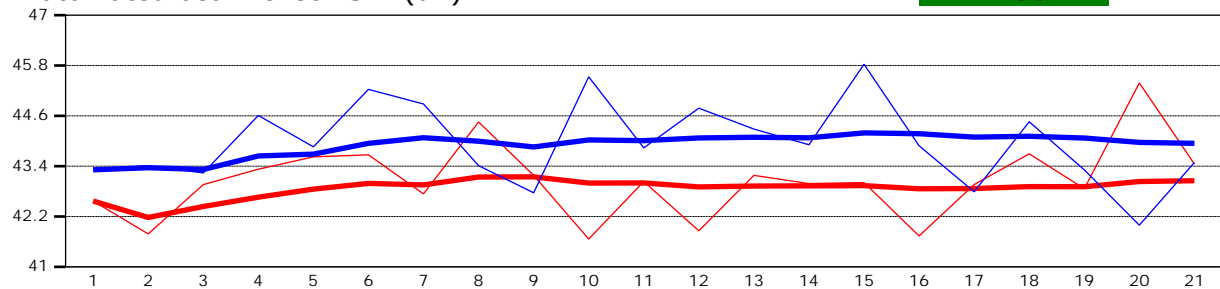
Site name WCanal3
Site number 01
Operator(s) TMiller
File name WestCanal_20230412_1114.ft
Comment

Beam 1	
Beam 2	

Automated beam check Start time 4/12/2023 11:14:06 AM

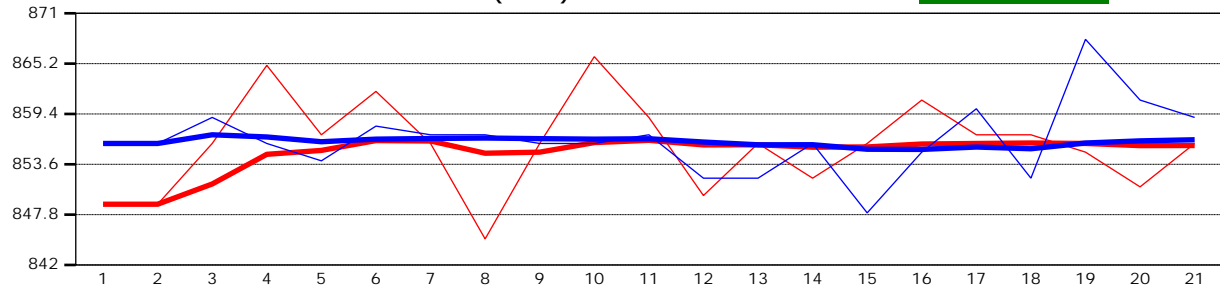
Automated beam check SNR(dB)

PASS



Automated beam check Noise level(cnts)

PASS



Automated beam check Quality control warnings

No quality control warnings

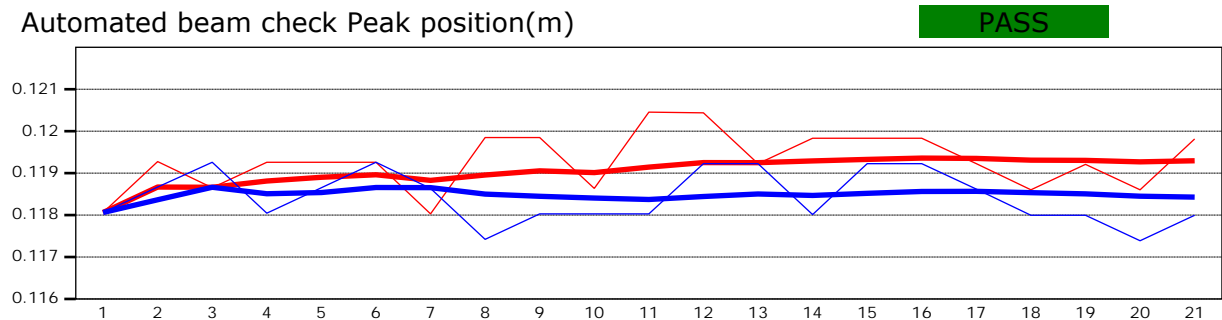
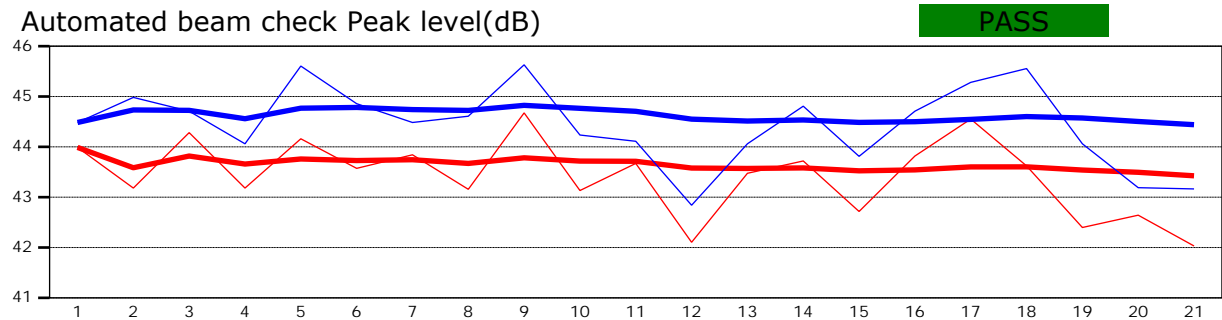


Discharge Measurement Summary

Site name WCanal3
Site number 01
Operator(s) TMiller
File name WestCanal_20230412_1114.ft
Comment

Beam 1	
Beam 2	

Automated beam check Start time 4/12/2023 11:14:06 AM



Automated beam check Quality control warnings
No quality control warnings