



QRev Discharge Measurement Report

1 of 6

Station Name: 08152024_Sodhouse

Station Number:

Measurement Date: 2024.08.15

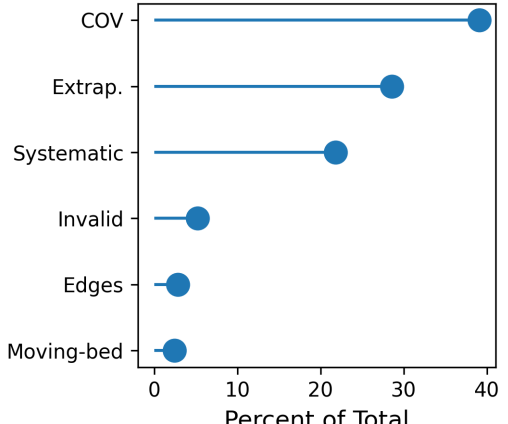
Measurement Number: 0

Discharge: 57.93

Stage: 0.00

User Rating: Fair (5-8%)

Processed: 2026.01.27 17:06:58

Field Crew:		Discharge Summary	
Processed By: aacost		Discharge (ft3/s): 57.93	Cross Section
Software: QRev		Navigation Ref.: bt_vel	Mean Velocity (ft/s): 0.887
Version: 4.41.2		Total Duration (s): 1990.9	Max. Velocity (ft/s): 2.426
ADCP		Time Zone:	Mean Depth (ft): 2.616
Manufacturer: TRDI		Start Time: 15:29:46	Max. Depth (ft): 3.784
Model: StreamPro		End Time: 16:11:42	Width (ft): 25.019
Serial Number: 2673		Stage Start: 0.00	Width COV (%): 6.37
Firmware: 31.19		Stage End: 0.00	Area (ft2): 65.440
Frequency (kHz): 2000		Mean Stage: 0.00	Area COV (%): 6.74
Premeasurement		Mean Boat Speed (ft/s): 0.115	Uncertainty
W. Temp. (C): 21.65		Top Extrap: Power	Uncertainty Method: QRev
W. Temp. ADCP (C): 22.0		Bottom Extrap: Power	95% Total Uncertainty: 6.4
ADCP Draft(ft): 0.094		Extrap Exponent: 0.2122	
System Test: Passed		Discharg COV (%): 4.81	
Compass Cal/Eval: 0.25		Top Q (%): 14.63	
Magnetic Variaton: 13.50		Measured Q (%): 64.27	
MovBed Test Type: Loop		Left Q (%): 1.94	
MovBed Test Quality: Warnings		Right Q (%): 1.68	
MovBed Test Dur.(s): 316.2		Bottom Q (%): 17.48	
Avg MovBed (%): 0.35		Invalid Cells Q (%): 0.65	
Q Correction (%): 0.00		Invalid Ensembles Q (%): 6.70	

Automated QA Messages:

WARNINGS

Cautions

- bt-Int. Q for consecutive invalid ensembles exceeds 3.0%;
- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Moving-Bed Test: The moving-bed test(s) has warnings, please review tests to determine validity;
- Site Info: Station number not entered;
- Extrapolation: User modified default automatic setting;

Comments:

- [2026-01-27 17:06:55, aacost]: File Saved Q = 57.93 ft3/s (Uncertainty: 6.4%)



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2 of 6

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ID	File Name
1	08152024_Sodhouse_0_001_24-08-15.PD0
3	08152024_Sodhouse_0_003_24-08-15.PD0
4	08152024_Sodhouse_0_004_24-08-15.PD0
6	08152024_Sodhouse_0_006_24-08-15.PD0
7	08152024_Sodhouse_0_007_24-08-15.PD0
8	08152024_Sodhouse_0_008_24-08-15.PD0
9	08152024_Sodhouse_0_009_24-08-15.PD0
11	08152024_Sodhouse_0_011_24-08-15.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle Q (ft3/s)	Bottom Q (ft3/s)	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
1	Left	15:29:46	15:33:21	215.2	8.02	35.63	10.12	0.97	1.39	56.12
3	Right	15:35:32	15:39:30	237.9	8.55	36.49	9.29	1.0	0.53	55.86
4	Left	15:40:05	15:44:17	251.6	9.03	40.83	11.5	1.09	0.42	62.86
6	Right	15:46:03	15:50:11	248.3	8.94	38.1	9.82	0.93	0.74	58.53
7	Left	15:50:43	15:54:43	240.2	8.2	36.06	10.67	0.8	1.61	57.33
8	Right	15:56:17	16:00:48	271.2	8.89	38.3	11.35	0.88	1.6	61.01
9	Left	16:01:34	16:05:37	242.5	8.44	36.99	10.43	0.7	0.6	57.17
11	Right	16:06:58	16:11:42	284.0	7.73	35.44	7.83	2.64	0.89	54.52
				1990.9	8.47	37.23	10.13	1.12	0.97	57.93

Transect ID	Start Edge	Left Edge Type	Left Dist. (ft)	Left Edge # Ens.	Left Edge Coeff.	Right Edge Type	Right Dist (ft)	Right Edge # Ens.	Right Edge Coeff.
1	Left	Triangular	2.00	10	0.3535	Triangular	3.50	10	0.3535
3	Right	Triangular	2.00	10	0.3535	Triangular	2.00	10	0.3535
4	Left	Triangular	2.00	10	0.3535	Triangular	2.00	10	0.3535
6	Right	Triangular	2.00	10	0.3535	Triangular	2.00	10	0.3535
7	Left	Triangular	2.00	10	0.3535	Triangular	3.50	10	0.3535
8	Right	Triangular	2.00	10	0.3535	Triangular	3.50	10	0.3535
9	Left	Triangular	2.00	10	0.3535	Triangular	3.50	10	0.3535
11	Right	Triangular	3.50	10	0.3535	Triangular	2.00	10	0.3535



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3 of 6

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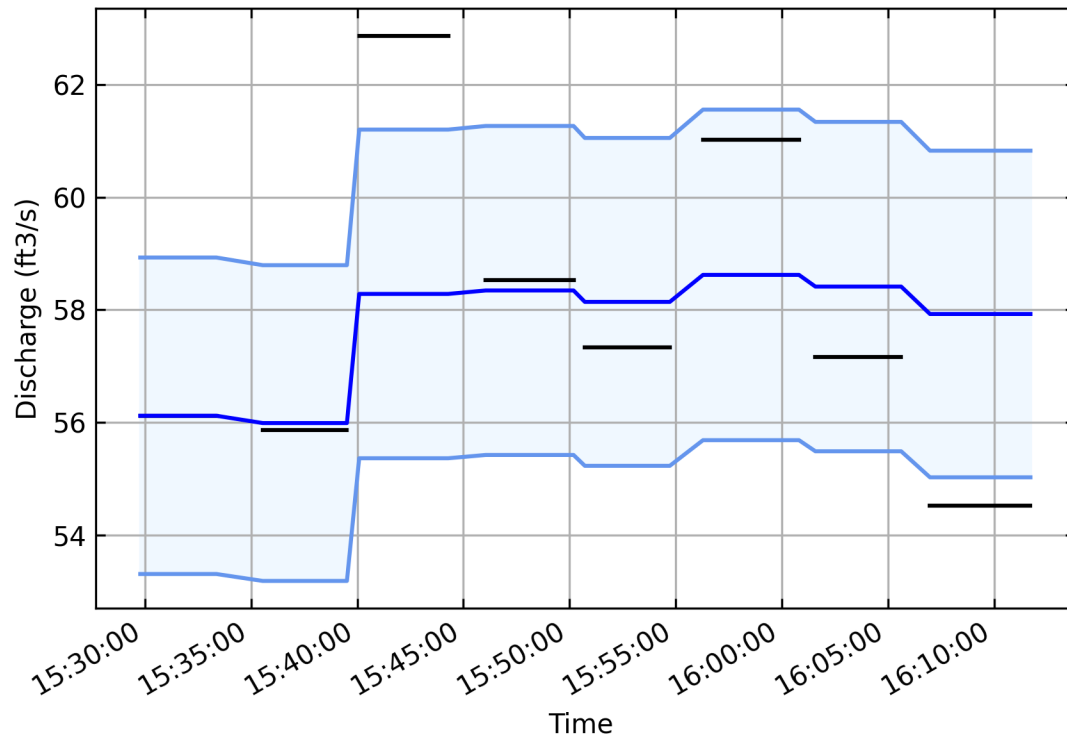
Discharge: 57.93

Stage: 0.00

User Rating: Fair (5-8%)

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Transect ID	Width (ft)	Area (ft2)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	Avg. Boat Speed (ft/s)	Course Made Good (deg)	Q/A (ft/s)	Avg. Water Direction (deg)
1	25.48	67.61	30.75	2.20	0.11	310.29	0.83	225.17
3	23.27	59.54	30.99	1.92	0.11	138.72	0.94	225.54
4	24.56	68.52	39.53	1.73	0.11	309.58	0.92	223.70
6	23.68	61.00	33.07	1.84	0.12	132.44	0.96	226.34
7	25.34	66.72	32.81	2.03	0.11	310.09	0.86	223.93
8	27.80	71.47	39.38	1.82	0.12	127.41	0.85	225.15
9	26.53	67.99	33.59	2.02	0.12	321.74	0.84	225.21
11	23.49	60.67	44.82	1.35	0.13	130.09	0.90	223.49





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4 of 6

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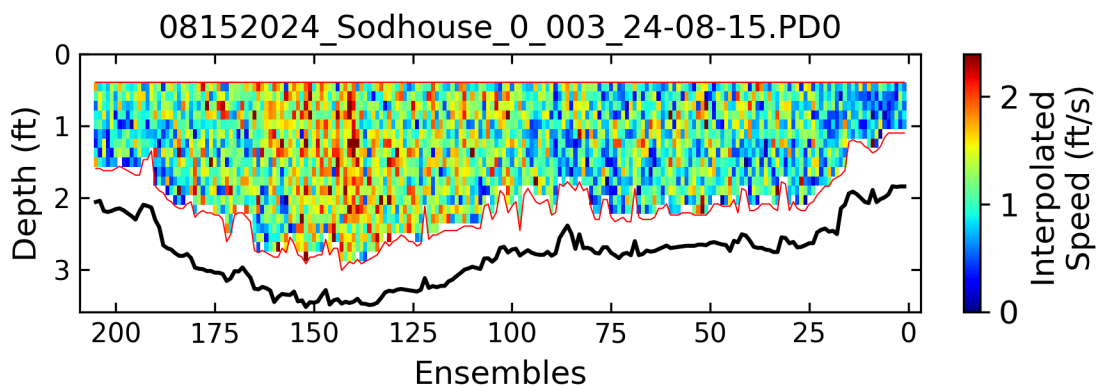
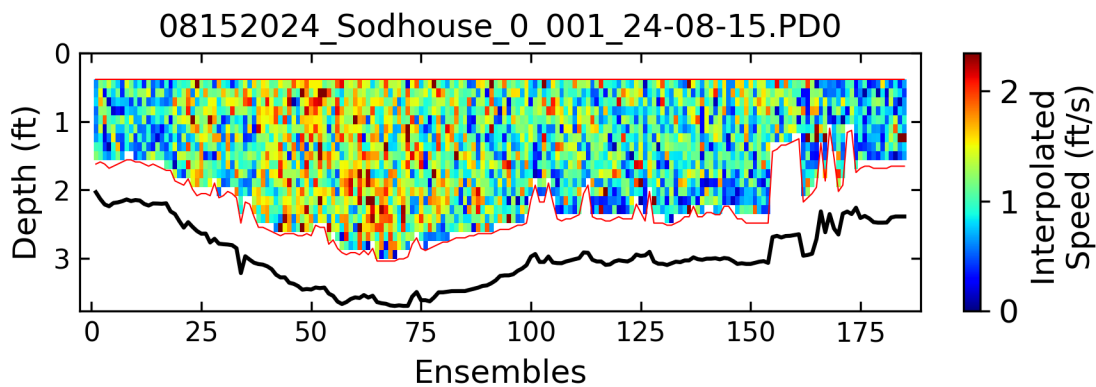
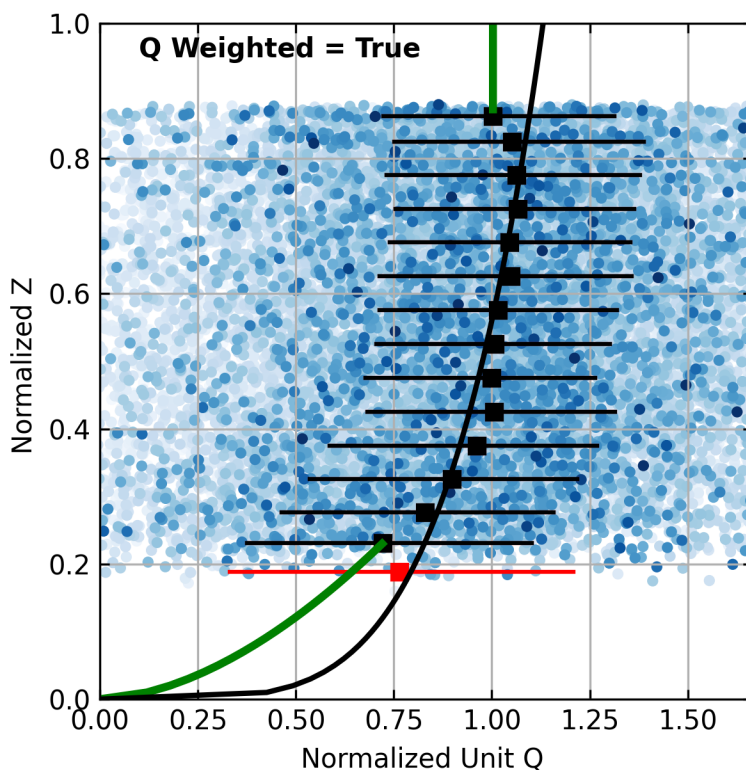
Measurement Number: 0

Discharge: 57.93

Stage: 0.00

User Rating: Fair (5-8%)

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5 of 6

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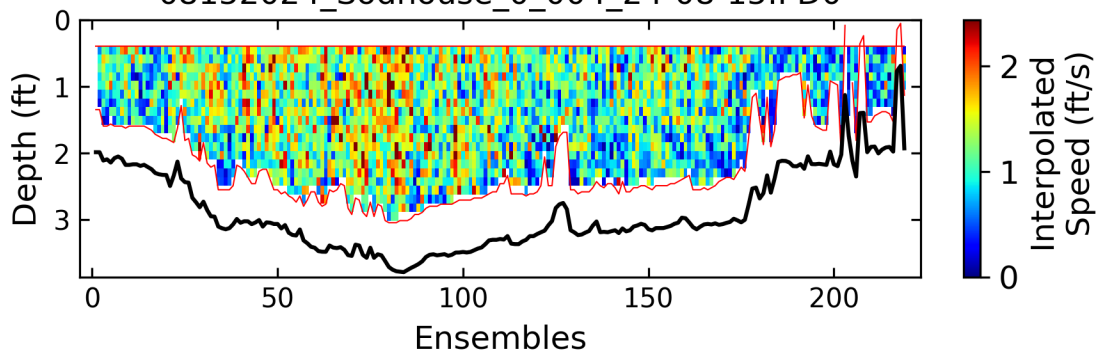
Discharge: 57.93

Stage: 0.00

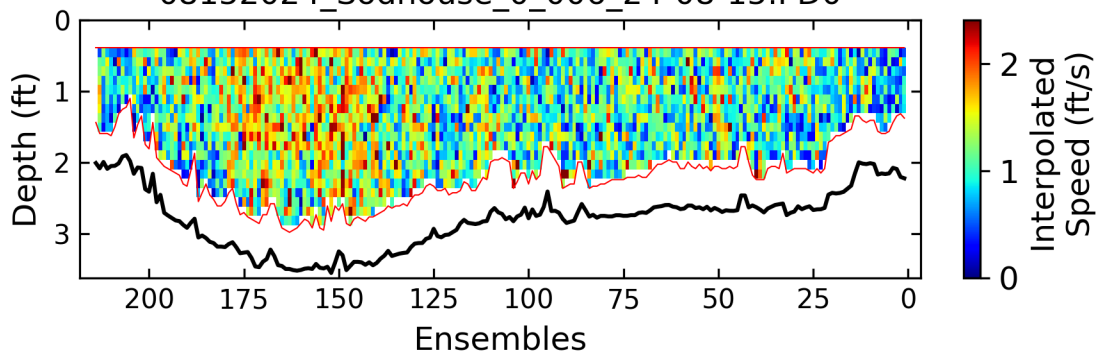
User Rating: Fair (5-8%)

Processed: 2026.01.27 17:06:58

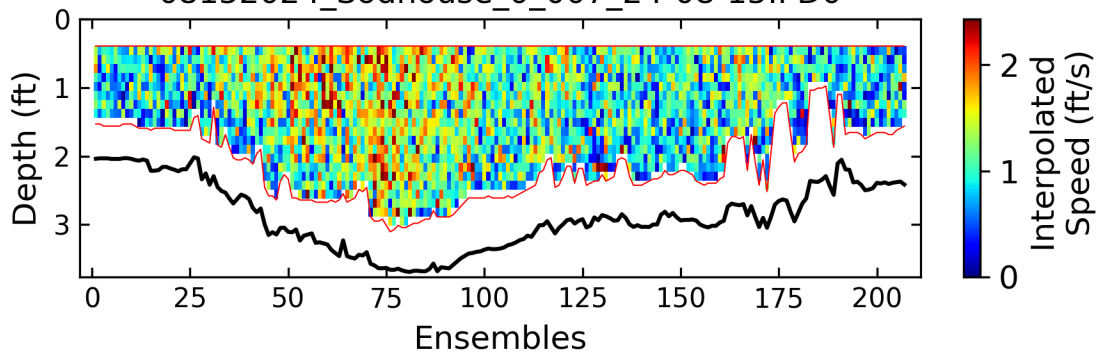
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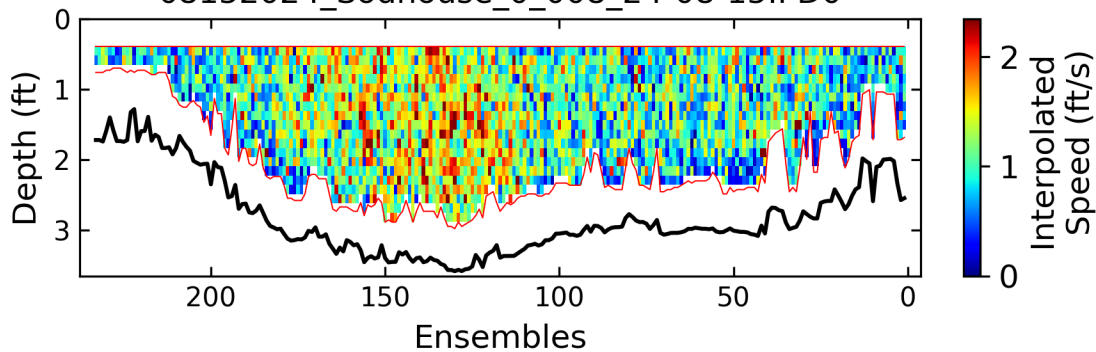
08152024_Sodhouse_0_006_24-08-15.PD0



08152024_Sodhouse_0_007_24-08-15.PD0



08152024_Sodhouse_0_008_24-08-15.PD0





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6 of 6

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User Rating: Fair (5-8%)

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