

Station Name: 09092025_S4Remauli

Station Number:

Measurement Date: 2025.09.09

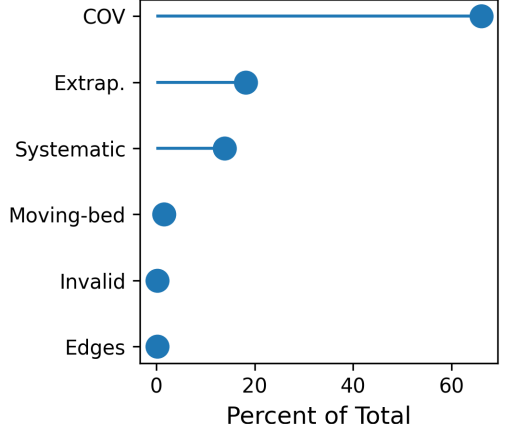
Measurement Number: 0

Discharge: 71.86

Stage: 0.00

User Rating: Not Rated

Processed: 2025.09.18 11:42:34

Field Crew:		Discharge Summary		Cross Section	
Processed By:	ADCPH	Discharge (ft ³ /s):	71.86	Mean Velocity (ft/s):	1.505
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.391
Version:	4.37	Total Duration (s):	875.2	Mean Depth (ft):	2.035
ADCP		Start Time:	15:32:56	Max. Depth (ft):	3.349
Manufacturer:	TRDI	End Time:	15:49:28	Width (ft):	23.465
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.84
Serial Number:	2673	Stage End:	0.00	Area (ft ²):	47.752
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.52
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.116	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	18.3	Bottom Extrap:	No Slip	95% Total Uncertainty: 8.1 	
W. Temp. ADCP (C):		Extrap Exponent:	0.4386		
System Test:	Passed	Discharg COV (%):	4.12		
Compass Cal/Eval:	0.40	Top Q (%):	15.53		
Magnetic Variaton:	13.5	Measured Q (%):	69.62		
MovBed Test Type:	Loop	Left Q (%):	0.40		
MovBed Test Quality:	Good	Right Q (%):	0.70		
MovBed Test Dur.(s):	238.7	Bottom Q (%):	13.75		
Max MovBed (%):	0.18	Invalid Cells Q (%):	0.01		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.76		

Automated QA Messages:

WARNINGS

Cautions

- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Carefully review the extrapolation;
- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2025-09-18 11:32:44, ADCPH]: There is no station number for this site. Transect was cleaned and some rocks moved from edges in an attempt to reduce BT loss on edges at this site. There was still some issues with BT loss along edges that must be due to small fish disrupting the sensor. As in previous measurements at this location, the ship track shows more movement than the boat is actually making. During the WT equilibration, when the boat is stationary, the ship track showed the boat as drifting seven degrees east. This is roughly double the amount of drift shown compared with other sites. Measurement conditions were mostly cloudy and warm (70s).



QRev Discharge Measurement Report

2 of 4

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Comments:

- [2025-09-18 11:42:29, ADCPH]: File Saved Q = 71.86 ft³/s (Uncertainty: 8.1%)

ID	File Name
0	09092025_S4Remauli_0_000_25-09-09.PD0
2	09092025_S4Remauli_0_002_25-09-09.PD0
3	09092025_S4Remauli_0_003_25-09-09.PD0
4	09092025_S4Remauli_0_004_25-09-09.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle	Bottom	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
						Q (ft3/s)	Q (ft3/s)			
0	Left	15:32:56	15:36:03	186.8	11.17	50.75	9.65	-0.32	0.48	71.73
2	Right	15:41:34	15:45:37	243.2	10.79	49.8	11.05	0.46	0.57	72.67
3	Left	15:46:01	15:49:20	198.9	10.63	47.5	8.9	0.42	0.51	67.96
4	Right	15:49:28	15:53:35	246.3	12.05	52.06	9.92	0.6	0.46	75.09
				875.2	11.16	50.03	9.88	0.29	0.5	71.86

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.
0	Left	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
2	Right	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
3	Left	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
4	Right	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535



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3 of 4

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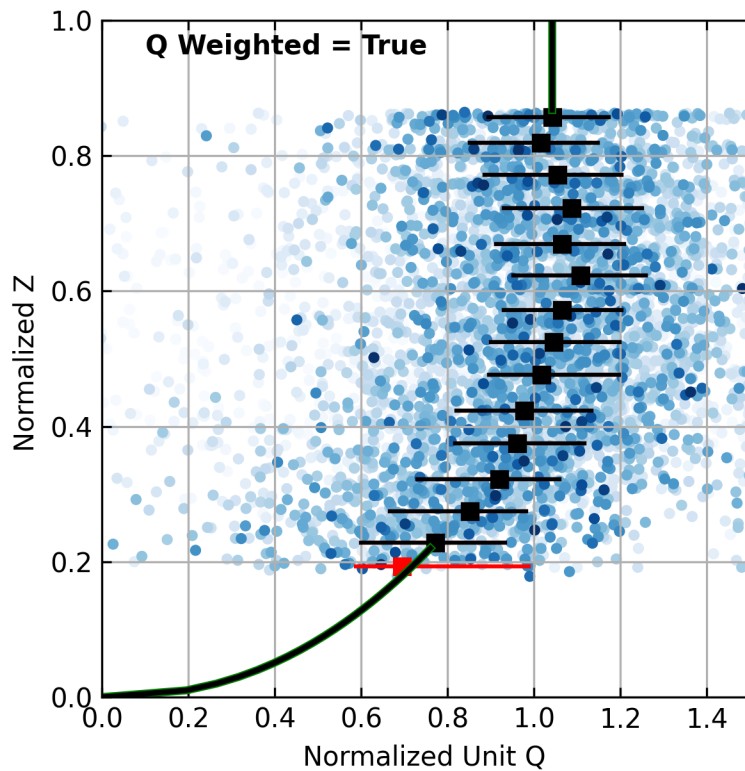
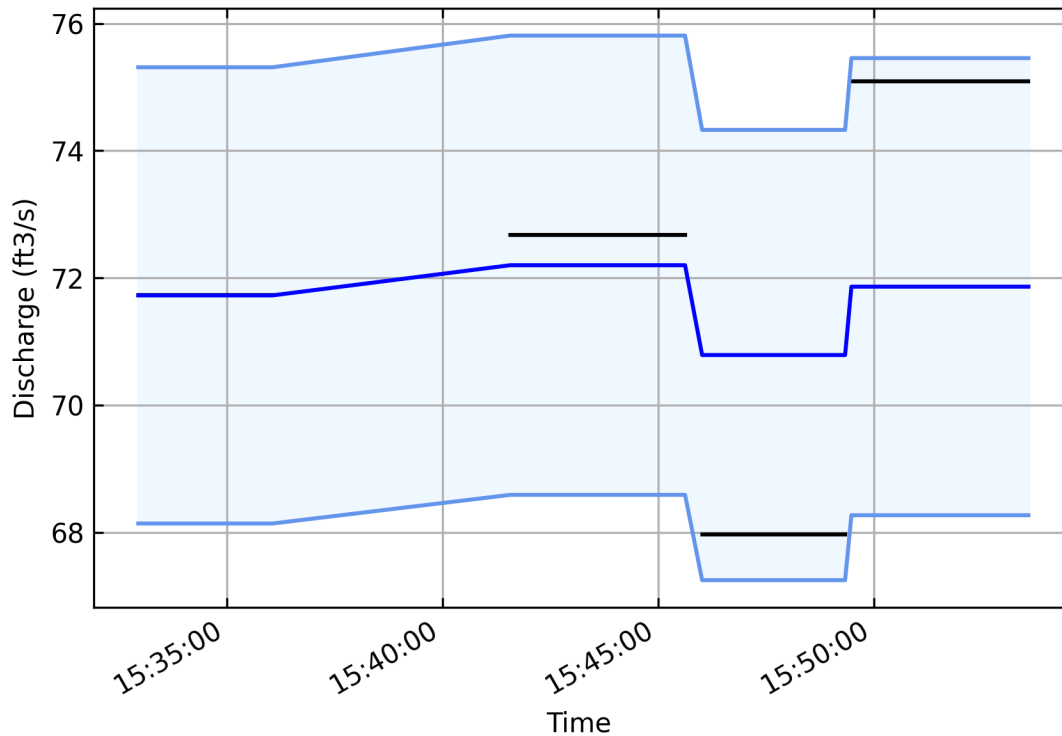
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