



QRev Discharge Measurement Report

1 of 4

Station Name: S4Remauli_04172025

Station Number:

Measurement Date: 2025.04.17

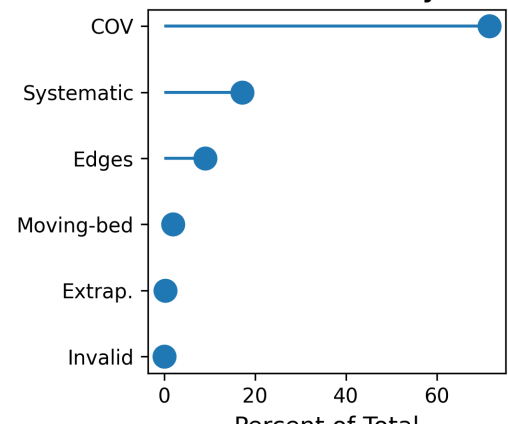
Measurement Number: 0

Discharge: 575.68

Stage: 0.00

User Rating: Not Rated

Processed: 2025.04.18 12:57:30

Field Crew:		Discharge Summary		Cross Section	
Processed By:	ADCPH	Discharge (ft3/s):	575.68	Mean Velocity (ft/s):	2.691
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	4.246
Version:	4.37	Total Duration (s):	863.1	Mean Depth (ft):	7.020
ADCP		Start Time:	16:01:11	Max. Depth (ft):	9.382
Manufacturer:	TRDI	End Time:	16:12:30	Width (ft):	30.463
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.98
Serial Number:	2673	Stage End:	0.00	Area (ft2):	213.889
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	3.69
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.187	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	9.877778	Bottom Extrap:	No Slip	95% Total Uncertainty: 7.2 	
W. Temp. ADCP (C):		Extrap Exponent:	0.2066		
System Test:	Passed	Discharg COV (%):	3.85		
Compass Cal/Eval:	0.72	Top Q (%):	4.74		
Magnetic Variaton:	13.5	Measured Q (%):	72.20		
MovBed Test Type:	Loop	Left Q (%):	4.00		
MovBed Test Quality:	Good	Right Q (%):	3.27		
MovBed Test Dur.(s):	233.9	Bottom Q (%):	15.79		
Max MovBed (%):	0.94	Invalid Cells Q (%):	0.00		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.27		

Automated QA Messages:

WARNINGS

Cautions

- Transects: ['S4Remauli_04172025_0_000_25-04-17', 'S4Remauli_04172025_0_001_25-04-17', 'S4Remauli_04172025_0_002_25-04-17', 'S4Remauli_04172025_0_003_25-04-17'] have battery voltage less than 10.5
- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2025-04-18 12:54:33, ADCPH]: High water and dangerous conditions did not allow the technician to enter the water to clean vegetation from edges, resulting in large edges for all transects. Edges were cleaned as far as the technician could reach from the banks. There is no site number for this location. Windy conditions caused some excessive boat movements during measurement. Somewhat minor amount of debris moving through the channel including grass and branches.
- [2025-04-18 12:57:26, ADCPH]: File Saved Q = 575.68 ft3/s (Uncertainty: 7.2%)



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ID	File Name
0	S4Remauli_04172025_0_000_25-04-17.PD0
1	S4Remauli_04172025_0_001_25-04-17.PD0
2	S4Remauli_04172025_0_002_25-04-17.PD0
3	S4Remauli_04172025_0_003_25-04-17.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)
0	Left	16:01:11	16:04:39	208.4	25.47	393.7	88.66	17.95	23.91	549.69
1	Right	16:05:04	16:08:36	212.4	27.28	404.26	89.31	28.29	16.16	565.3
2	Left	16:08:58	16:12:14	196.6	28.13	431.83	92.91	23.54	21.32	597.72
3	Right	16:12:30	16:16:36	245.8	28.17	432.89	92.73	22.42	13.81	590.02
				863.1	27.26	415.67	90.9	23.05	18.8	575.68

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	5.00	10	0.3535	Triangular	4.00	10	0.3535
1	Right	Triangular	5.00	10	0.3535	Triangular	4.00	10	0.3535
2	Left	Triangular	5.00	10	0.3535	Triangular	4.00	10	0.3535
3	Right	Triangular	5.00	10	0.3535	Triangular	4.00	10	0.3535



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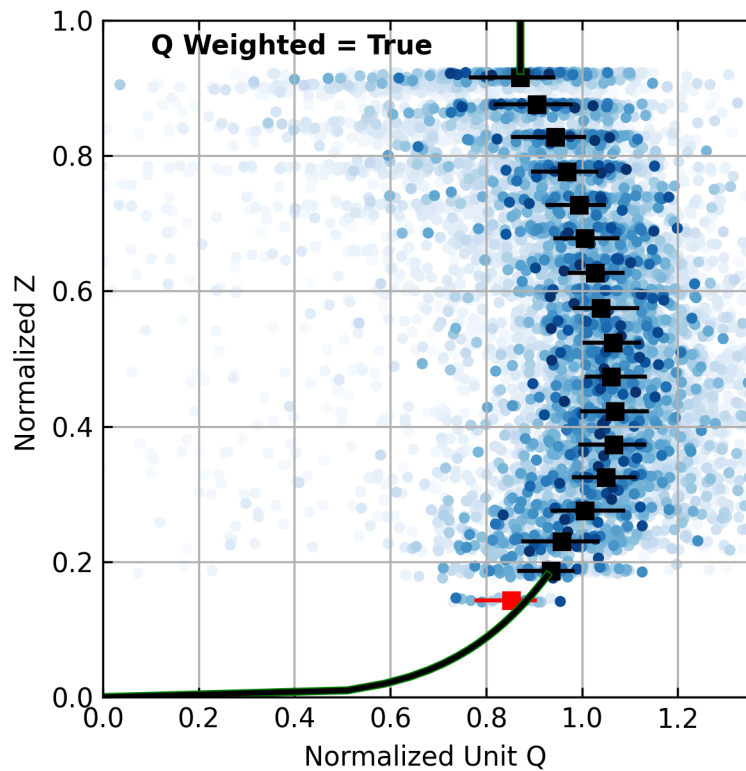
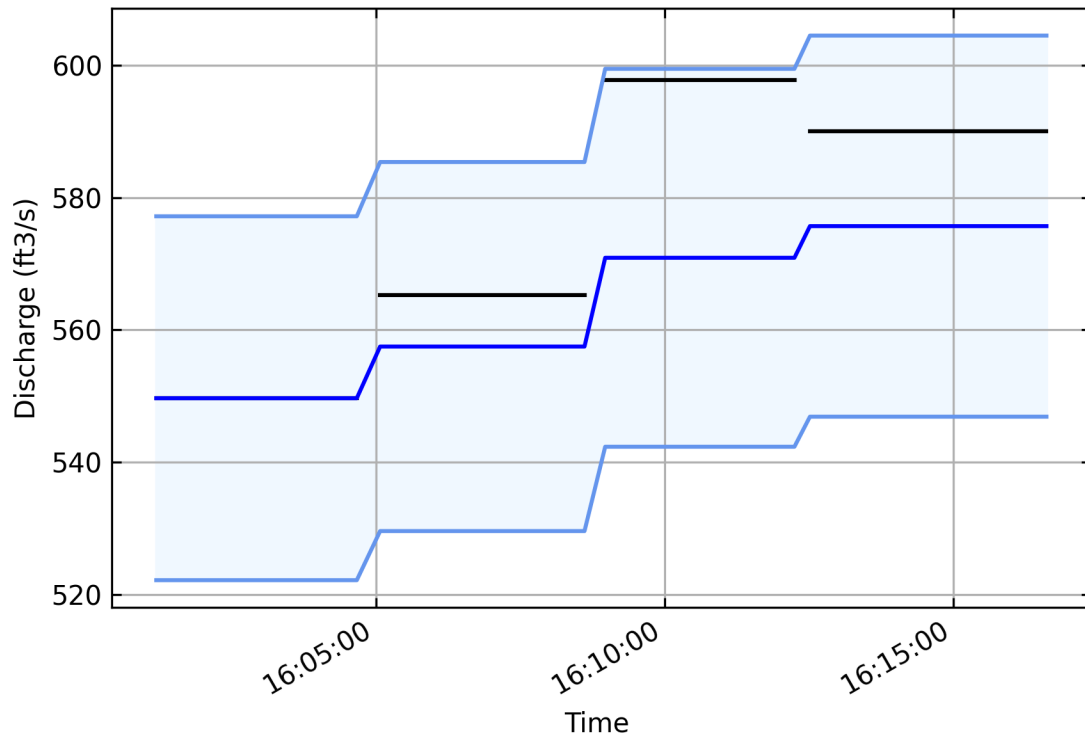
Measurement Number: 0

Discharge: 575.68

Stage: 0.00

User Rating: Not Rated

Processed: 2025.04.18 12:57:30





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Stage: 0.00

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Processed: 2025.04.18 12:57:31

