

Station Name: 05012025_S4RRemauli

Station Number:

Measurement Date: 2025.05.01

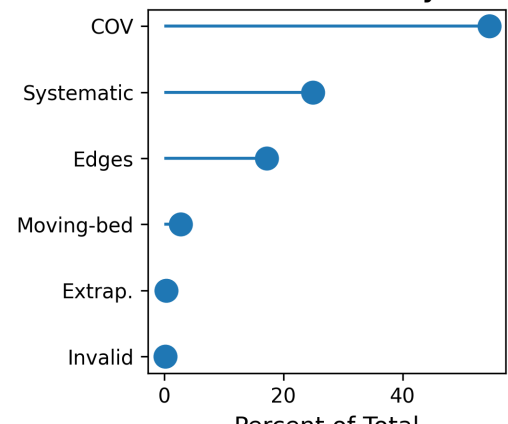
Measurement Number: 0

Discharge: 547.47

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.04 16:27:29

Field Crew:		Discharge Summary		Cross Section	
Processed By:	ADCPH	Discharge (ft3/s):	547.47	Mean Velocity (ft/s):	2.479
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	4.158
Version:	4.37	Total Duration (s):	725.8	Mean Depth (ft):	6.843
ADCP		Start Time:	15:40:14	Max. Depth (ft):	9.181
Manufacturer:	TRDI	End Time:	15:50:52	Width (ft):	32.273
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.87
Serial Number:	2673	Stage End:	0.00	Area (ft2):	220.868
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	3.23
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.207	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	12.09	Bottom Extrap:	No Slip	95% Total Uncertainty: 6.0 	
W. Temp. ADCP (C):	12.1	Extrap Exponent:	0.2030		
System Test:	Passed	Discharg COV (%):	2.79		
Compass Cal/Eval:	0.25	Top Q (%):	4.15		
Magnetic Variaton:	13.5	Measured Q (%):	72.70		
MovBed Test Type:	Loop	Left Q (%):	4.09		
MovBed Test Quality:	Good	Right Q (%):	4.21		
MovBed Test Dur.(s):	205.6	Bottom Q (%):	14.85		
Max MovBed (%):	0.98	Invalid Cells Q (%):	-0.00		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.26		

Automated QA Messages:WARNINGSCautions

- Transects: ['05.01.2025_S4RRemauli_0_000', '05.01.2025_S4RRemauli_0_001', '05.01.2025_S4RRemauli_0_002', '05.01.2025_S4RRemauli_0_003'] have battery voltage less than 10.5
- Site Info: Station number not entered;
- Temperature: User modified ADCP temperature.

Comments:

- MMT Remarks:
- [Main, 2025-05-04 16:23:46, ADCPH]: Due to high water, edges could not be safely cleaned. Left edge was slightly larger than would be ideal due to some willow growing that could not be cut out. ADCP temperature reading likely influenced by being directly in the sun for the measurement, which increased the temperature higher than the independent reading. The ADCP temperature was replaced with the independent reading due to it being more accurate and not influenced by heating from the sun. There no site number for this location.



QRev Discharge Measurement Report

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User Rating: Not Rated

Processed: 2025.05.04 16:27:29

Comments:

- [2025-05-04 16:27:24, ADCPH]: File Saved Q = 547.47 ft³/s (Uncertainty: 6.0%)

ID	File Name
0	05.01.2025_S4RRemauli_0_000.PD0
1	05.01.2025_S4RRemauli_0_001.PD0
2	05.01.2025_S4RRemauli_0_002.PD0
3	05.01.2025_S4RRemauli_0_003.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft ³ /s)	Middle Q	Bottom Q	Left Q (ft ³ /s)	Right Q (ft ³ /s)	Total Q (ft ³ /s)
						Q (ft ³ /s)	Q (ft ³ /s)			
0	Left	15:40:14	15:43:14	179.8	21.71	382.46	76.13	24.8	24.55	529.63
1	Right	15:43:44	15:46:28	163.4	23.49	407.65	78.17	21.84	24.94	556.08
2	Left	15:47:12	15:50:13	180.3	24.11	409.14	86.16	21.59	22.57	563.57
3	Right	15:50:52	15:54:14	202.3	21.58	392.81	84.7	21.38	20.13	540.61
				725.8	22.72	398.01	81.29	22.4	23.05	547.47

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



QRev Discharge Measurement Report

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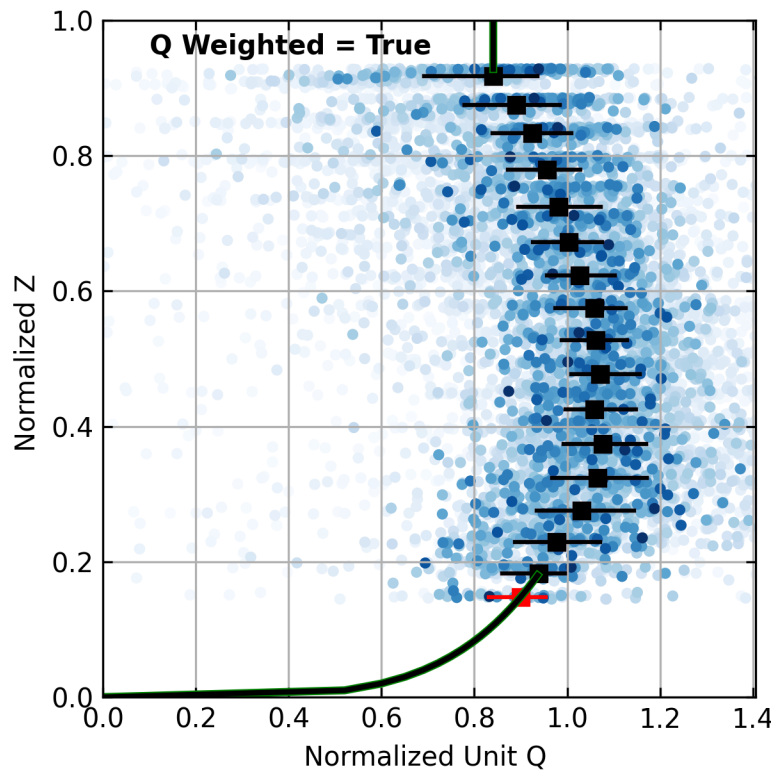
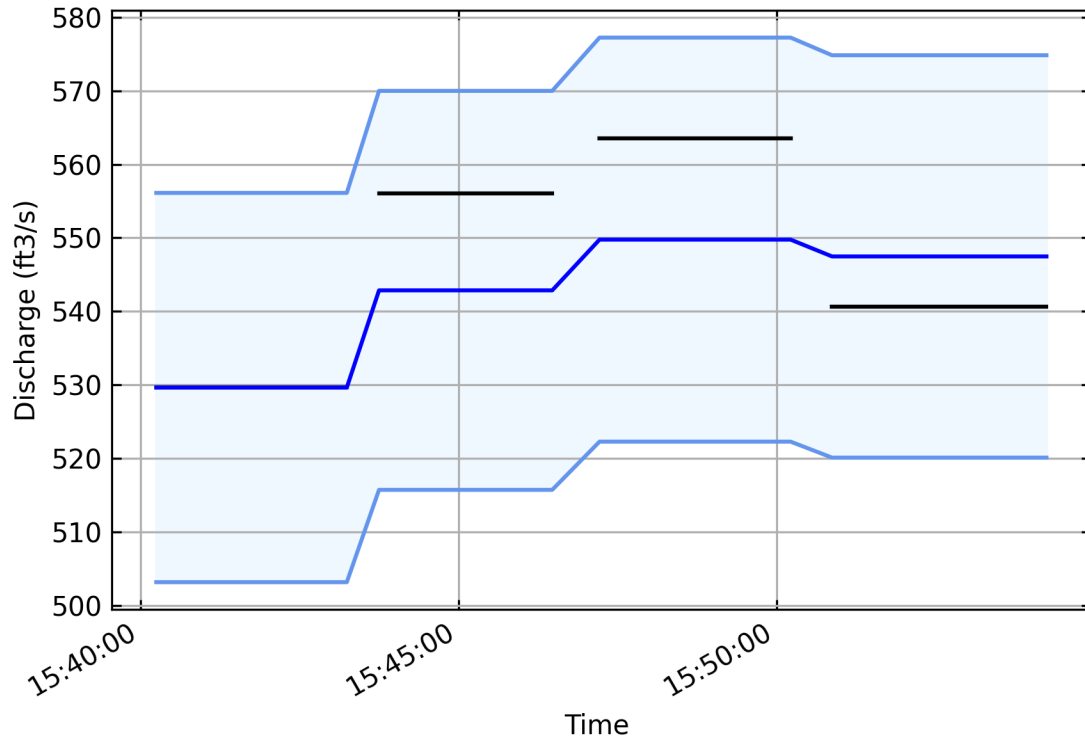
Measurement Number: 0

Discharge: 547.47

Stage: 0.00

User Rating: Not Rated

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QRev Discharge Measurement Report

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Measurement Number: 0

Discharge: 547.47

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.04 16:27:30

