



QRev Discharge Measurement Report

1 of 4

Station Name: 08052025_S4Remauli

Station Number:

Measurement Date: 2025.08.05

Measurement Number: 0

Discharge: 101.19

Stage: 0.00

User Rating: Not Rated

Processed: 2025.08.07 10:49:37

Field Crew:		Discharge Summary		Cross Section															
Processed By:	ADCPH	Discharge (ft3/s):	101.19	Mean Velocity (ft/s):	1.739														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.442														
Version:	4.37	Total Duration (s):	792.6	Mean Depth (ft):	2.532														
ADCP		Start Time:	15:11:17	Max. Depth (ft):	3.522														
Manufacturer:	TRDI	End Time:	15:21:38	Width (ft):	22.966														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.54														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	58.156														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	3.19														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.137	Uncertainty															
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev															
W. Temp. (C):	20.877778	Bottom Extrap:	No Slip	95% Total Uncertainty: 9.9 <table><thead><tr><th>Factor</th><th>Percent of Total</th></tr></thead><tbody><tr><td>COV</td><td>85</td></tr><tr><td>Systematic</td><td>10</td></tr><tr><td>Extrap.</td><td>5</td></tr><tr><td>Invalid</td><td>5</td></tr><tr><td>Moving-bed</td><td>5</td></tr><tr><td>Edges</td><td>5</td></tr></tbody></table>		Factor	Percent of Total	COV	85	Systematic	10	Extrap.	5	Invalid	5	Moving-bed	5	Edges	5
Factor	Percent of Total																		
COV	85																		
Systematic	10																		
Extrap.	5																		
Invalid	5																		
Moving-bed	5																		
Edges	5																		
W. Temp. ADCP (C):		Extrap Exponent:	0.2661																
System Test:	Passed	Discharg COV (%):	5.72																
Compass Cal/Eval:	0.24	Top Q (%):	13.13																
Magnetic Variaton:	13.5	Measured Q (%):	71.42																
MovBed Test Type:	Loop	Left Q (%):	0.61																
MovBed Test Quality:	Warnings	Right Q (%):	0.34																
MovBed Test Dur.(s):	207.4	Bottom Q (%):	14.50																
Max MovBed (%):	1.19	Invalid Cells Q (%):	0.05																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	6.64																

Automated QA Messages:

WARNINGS

Cautions

- Moving-Bed Test: The moving-bed test(s) has warnings, please review tests to determine validity;
- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2025-08-07 10:37:54, ADCPH]: No station number for this location. Measurement conditions were sunny and hot (mid 80s F). ADCP took ~30 minutes to equilibrate within range of independent, no average needed. User still experiencing some issues with boat movement due to currents from bridge supports and canal output pushing/pulling the boat. User noticed that the ship track is showing some unusual boat movement here -- in which the boat is not moving up/down in the transect but the ship track shows it as moving up/down. This may also be the reason for warning on the Moving Bed Test, at the time of measurement and previous low water measurements, there has been no moving bed in this location.
- [2025-08-07 10:49:30, ADCPH]: File Saved Q = 101.19 ft³/s (Uncertainty: 9.9%)



QRev Discharge Measurement Report

2 of 4

Station Name: 08052025_S4Remauli

Station Number:

Measurement Date: 2025.08.05

Measurement Number: 0

Discharge: 101.19

Stage: 0.00

User Rating: Not Rated

Processed: 2025.08.07 10:49:37

ID	File Name
0	08052025_S4Remauli_0_000_25-08-05.PD0
1	08052025_S4Remauli_0_001_25-08-05.PD0
2	08052025_S4Remauli_0_002_25-08-05.PD0
3	08052025_S4Remauli_0_003_25-08-05.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	15:11:17	15:14:33	195.8	13.01	68.38	14.01	0.81	0.34	96.55
1	Right	15:14:46	15:18:00	194.1	13.36	78.41	15.48	0.55	0.32	108.11
2	Left	15:18:11	15:21:30	199.5	12.81	68.51	13.94	0.65	0.37	96.27
3	Right	15:21:38	15:25:01	203.1	13.97	73.75	15.26	0.47	0.36	103.81
				792.6	13.29	72.26	14.67	0.62	0.35	101.19

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	2.00	10	0.3535	Triangular	1.00	10	0.3535
1	Right	Triangular	2.00	10	0.3535	Triangular	1.00	10	0.3535
2	Left	Triangular	2.00	10	0.3535	Triangular	1.00	10	0.3535
3	Right	Triangular	2.00	10	0.3535	Triangular	1.00	10	0.3535



QRev Discharge Measurement Report

3 of 4

Station Name: 08052025_S4Remauli

Station Number:

Measurement Date: 2025.08.05

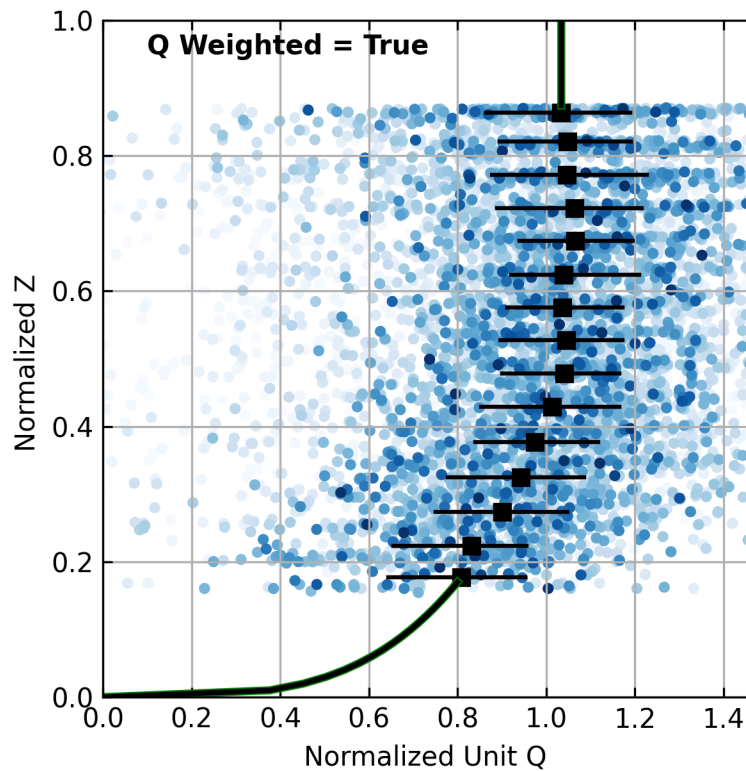
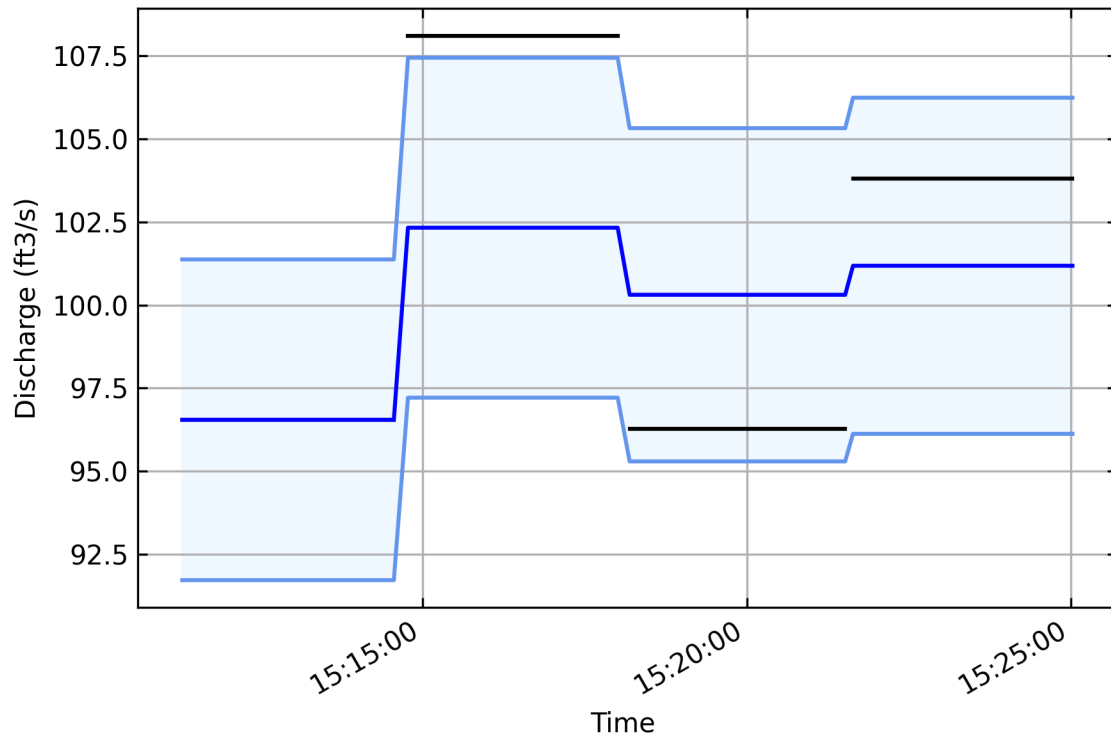
Measurement Number: 0

Discharge: 101.19

Stage: 0.00

User Rating: Not Rated

Processed: 2025.08.07 10:49:37





QRev Discharge Measurement Report

4 of 4

Station Name: 08052025_S4Remauli

Station Number:

Measurement Date: 2025.08.05

Measurement Number: 0

Discharge: 101.19

Stage: 0.00

User Rating: Not Rated

Processed: 2025.08.07 10:49:38

