



QRev Discharge Measurement Report

1 of 4

Station Name:

Station Number:

Measurement Date: 2024.05.16

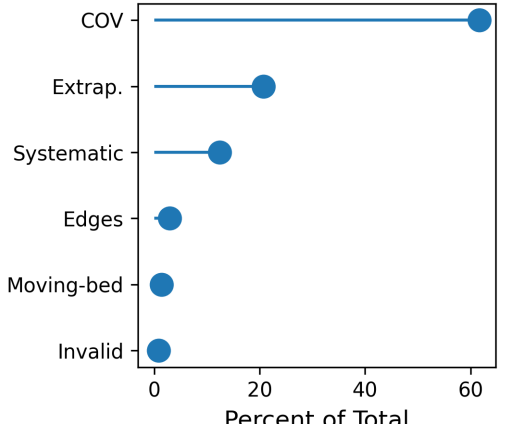
Measurement Number: 0

Discharge: 305.8

Stage: 0.00

User Rating: Poor (>8%)

Processed: 2026.01.27 16:25:03

Field Crew:		Discharge Summary		Cross Section	
Processed By:	aacost	Discharge (ft3/s):	305.8	Mean Velocity (ft/s):	1.736
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.063
Version:	4.41.2	Total Duration (s):	837.4	Mean Depth (ft):	5.798
ADCP		Time Zone:		Max. Depth (ft):	7.581
Manufacturer:	TRDI	Start Time:	18:37:45	Width (ft):	30.377
Model:	StreamPro	End Time:	18:52:12	Width COV (%):	2.97
Serial Number:	2673	Stage Start:	0.00	Area (ft2):	176.112
Firmware:	31.19	Stage End:	0.00	Area COV (%):	2.49
Frequency (kHz):	2000	Mean Stage:	0.00	Uncertainty	
Premeasurement		Mean Boat Speed (ft/s):	0.163	Uncertainty Method:	QRev
W. Temp. (C):	17.222222	Top Extrap:	Constant	95% Total Uncertainty: 8.5	
W. Temp. ADCP (C):	18.9	Bottom Extrap:	No Slip		
ADCP Draft(ft):	0.094	Extrap Exponent:	0.7514		
System Test:	Passed	Discharg COV (%):	4.20		
Compass Cal/Eval:	0.49	Top Q (%):	7.97		
Magnetic Variaton:	13.50	Measured Q (%):	78.81		
MovBed Test Type:	Loop	Left Q (%):	2.08		
MovBed Test Quality:	Good	Right Q (%):	2.77		
MovBed Test Dur.(s):	209.4	Bottom Q (%):	8.37		
Avg MovBed (%):	0.20	Invalid Cells Q (%):	0.04	Percent of Total	
Q Correction (%):	0.00	Invalid Ensembles Q (%):	3.80		

Automated QA Messages:

WARNINGS

Cautions

- bt-Int. Q for consecutive invalid ensembles exceeds 3.0%;
- Edges: The percent of invalid ensembles exceeds 25% in one or more transects;
- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Temperature: Temperature range is 1.4 degrees C which is greater than 1 degree;
- Site Info: Station name not entered;
- Site Info: Station number not entered;
- Edges: User modified right user discharge;
- Extrapolation: User modified default automatic setting;



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Processed: 2026.01.27 16:25:04

Comments:

- [2026-01-27 16:25:02, aacost]: File Saved Q = 305.80 ft3/s (Uncertainty: 8.5%)

ID	File Name
0	0_000_24-05-16.PD0
1	0_001_24-05-16.PD0
2	0_002_24-05-16.PD0
3	0_003_24-05-16.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	18:37:45	18:41:36	230.5	22.88	228.29	23.26	6.23	8.64	289.31
1	Right	18:41:50	18:44:59	189.1	25.85	249.88	27.12	6.23	8.95	318.02
2	Left	18:45:07	18:48:33	205.3	25.14	248.78	25.88	5.82	7.94	313.56
3	Right	18:48:39	18:52:12	212.5	23.64	237.03	26.17	7.12	8.35	302.3
				837.4	24.37	241.0	25.6	6.35	8.47	305.8

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
1	Right	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
2	Left	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
3	Right	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535

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)
0	29.43	171.09	46.32	3.69	0.15	314.56	1.69	225.45
1	31.01	180.97	41.26	4.39	0.17	126.50	1.76	225.04
2	31.27	178.31	46.12	3.87	0.17	307.82	1.76	226.29
3	29.79	174.07	44.02	3.95	0.16	129.31	1.74	223.97



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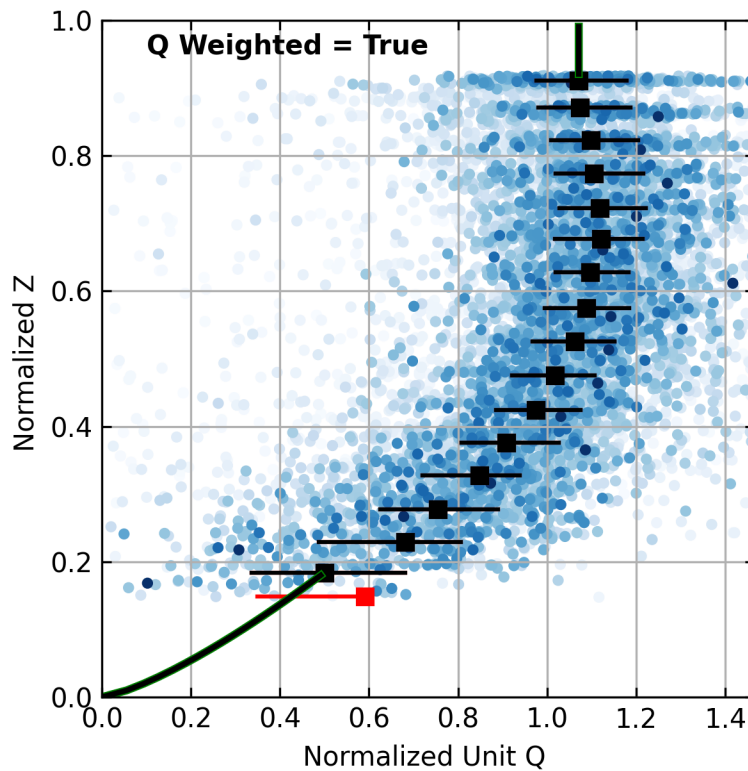
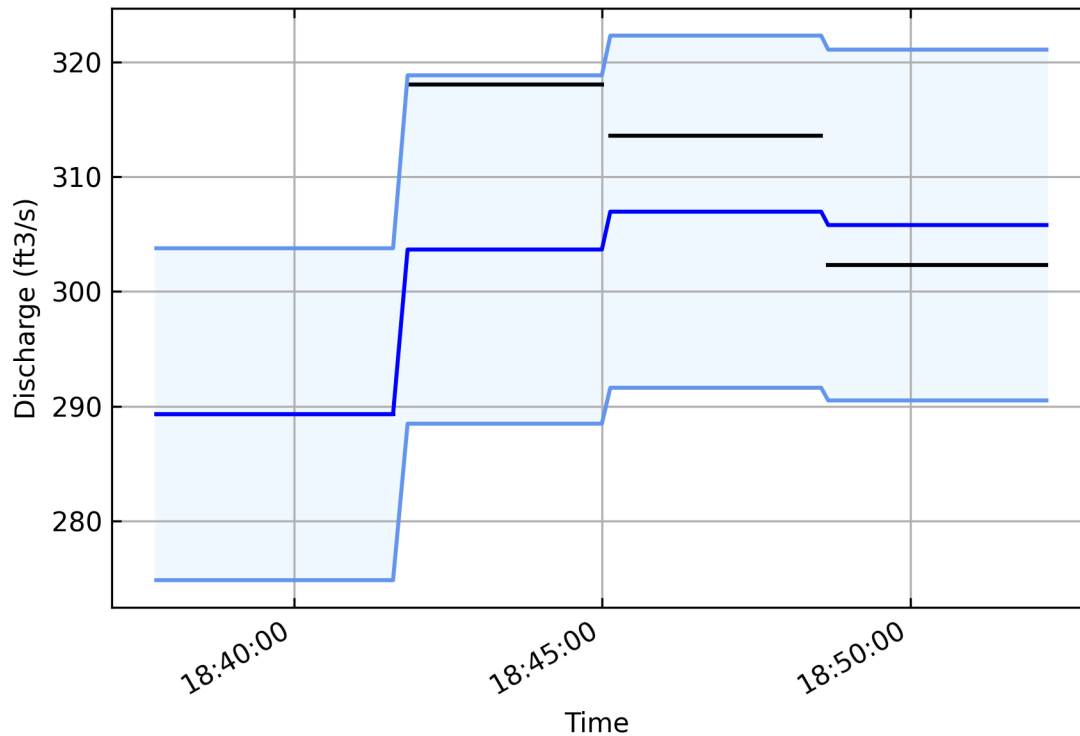
Measurement Date: 2024.05.16

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