



QRev Discharge Measurement Report

1 of 4

Station Name: 07222025_S2Krumbo

Station Number:

Measurement Date: 2025.07.22

Measurement Number: 0

Discharge: 84.53

Stage: 0.00

User Rating: Not Rated

Processed: 2025.07.25 08:47:06

Field Crew:		Discharge Summary		Cross Section															
Processed By:	ADCPH	Discharge (ft3/s):	84.53	Mean Velocity (ft/s):	1.258														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.799														
Version:	4.37	Total Duration (s):	793.5	Mean Depth (ft):	2.856														
ADCP		Start Time:	11:07:19	Max. Depth (ft):	3.512														
Manufacturer:	TRDI	End Time:	11:18:31	Width (ft):	23.540														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.93														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	67.227														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	1.49														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.115	Uncertainty															
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev															
W. Temp. (C):	17.6	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.2 <table><tr><th>Component</th><th>Percent of Total</th></tr><tr><td>COV</td><td>5.2</td></tr><tr><td>Systematic</td><td>35</td></tr><tr><td>Edges</td><td>10</td></tr><tr><td>Moving-bed</td><td>5</td></tr><tr><td>Extrap.</td><td>5</td></tr><tr><td>Invalid</td><td>0</td></tr></table>		Component	Percent of Total	COV	5.2	Systematic	35	Edges	10	Moving-bed	5	Extrap.	5	Invalid	0
Component	Percent of Total																		
COV	5.2																		
Systematic	35																		
Edges	10																		
Moving-bed	5																		
Extrap.	5																		
Invalid	0																		
W. Temp. ADCP (C):		Extrap Exponent:	0.2200																
System Test:	Passed	Discharg COV (%):	2.32																
Compass Cal/Eval:	0.63	Top Q (%):	12.83																
Magnetic Variaton:	13.5	Measured Q (%):	72.47																
MovBed Test Type:	Loop	Left Q (%):	2.85																
MovBed Test Quality:	Good	Right Q (%):	1.98																
MovBed Test Dur.(s):	228.0	Bottom Q (%):	9.87																
Max MovBed (%):	0.16	Invalid Cells Q (%):	-0.00																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.28																

Automated QA Messages:

WARNINGS

Cautions

- Site Info: Station number not entered;
- Temperature: User modified independent temperature.

Comments:

- MMT Remarks:



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Comments:

- [Main, 2025-07-25 08:39:04, ADCPH]: There is no station number for this location. Transect was cleaned of long, filamentous algae that is building up on rocks near the sides of channel, as well as a debris pile near the center. The right side of the channel transect still has some issues with boat movement due to slow moving water that cannot be avoided. Measurement conditions were sunny and hot (mid-80s F), with the ADCP directly in the sun, which is typically an issue for WT equilibration. The ADCP was left to equilibrate WT while transect was cleaned, approximately 30 minutes, and was not quite in range with the independent WT. ADCP was allowed to equilibrate for another 10 minutes until WT started to rise instead of fall. Streamflow measurement was gathered and then an additional independent WT measurement was taken in order to average over the measurement period. The initial independent WT reading was 17.02 C at approximately 8:45 PST, and the end independent WT reading was 18.49 C at 10:26 PST. These were averaged together and edited in Qrev.
- [2025-07-25 08:47:00, ADCPH]: File Saved Q = 84.53 ft3/s (Uncertainty: 5.2%)

ID	File Name
0	07222025_S2Krumbo_0_000_25-07-22.PD0
1	07222025_S2Krumbo_0_001_25-07-22.PD0
2	07222025_S2Krumbo_0_002_25-07-22.PD0
3	07222025_S2Krumbo_0_003_25-07-22.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	11:07:19	11:10:36	197.7	10.86	63.13	8.76	2.35	1.68	86.78
1	Right	11:11:13	11:14:25	191.7	10.73	60.66	7.86	2.58	2.29	84.12
2	Left	11:14:36	11:17:53	197.7	11.22	61.47	9.02	2.35	1.06	85.13
3	Right	11:18:31	11:21:57	206.4	10.57	59.79	7.74	2.35	1.65	82.1
					793.5	10.85	61.26	8.34	2.41	84.53

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



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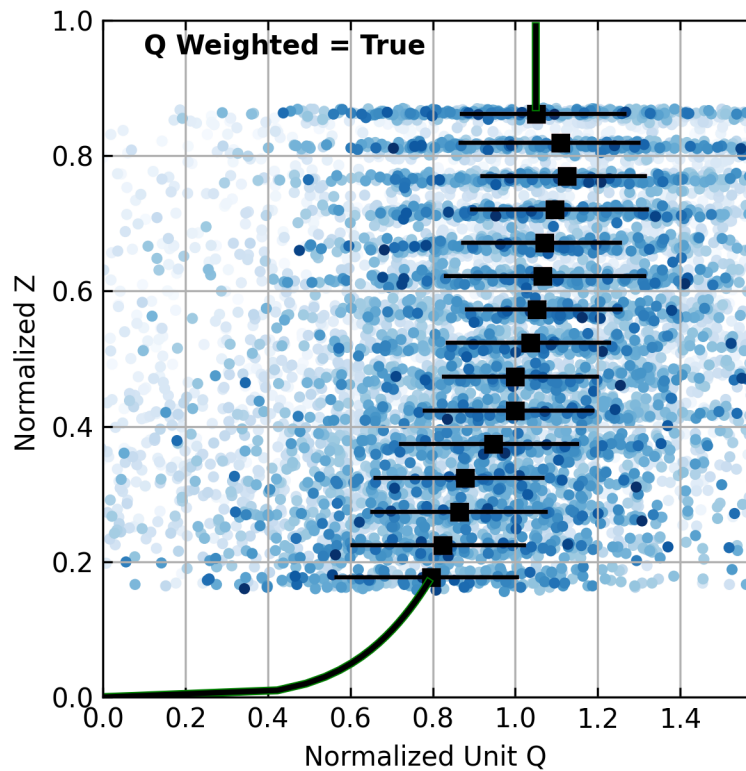
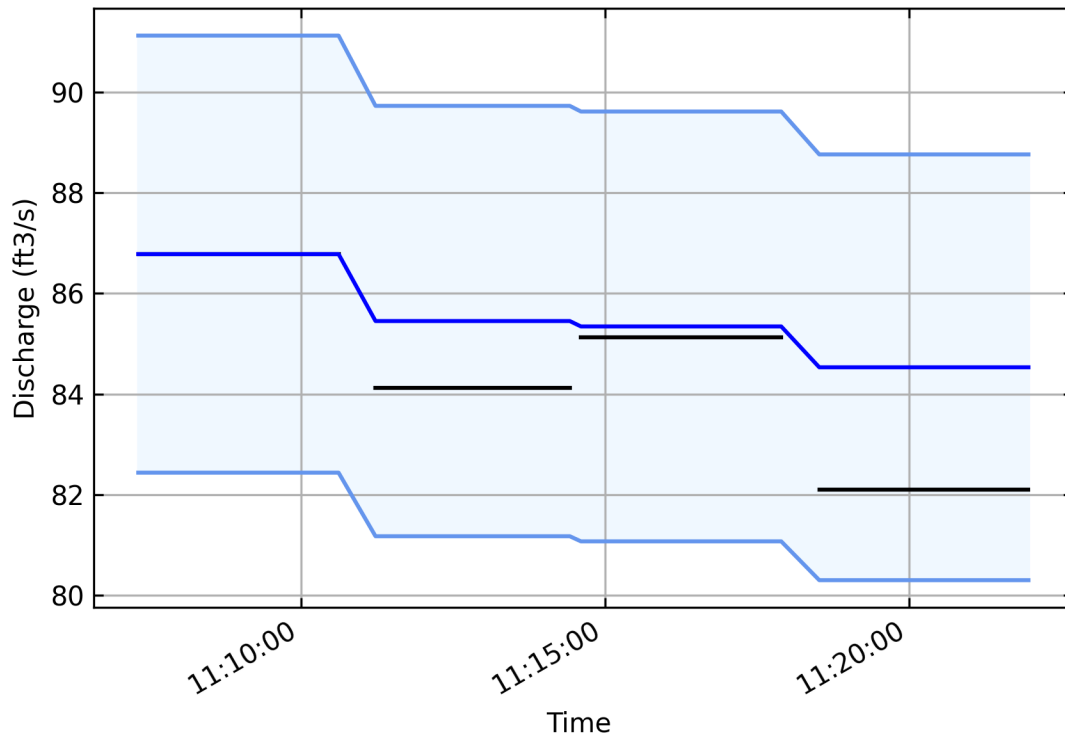
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