



QRev Discharge Measurement Report

1 of 4

Station Name: S2Krumbo_04172025

Station Number:

Measurement Date: 2025.04.17

Measurement Number: 0

Discharge: 486.45

Stage: 0.00

User Rating: Not Rated

Processed: 2025.04.18 12:35:17

Field Crew:		Discharge Summary		Cross Section															
Processed By:	ADCPH	Discharge (ft3/s):	486.45	Mean Velocity (ft/s):	2.376														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.849														
Version:	4.37	Total Duration (s):	933.7	Mean Depth (ft):	5.197														
ADCP		Start Time:	10:32:44	Max. Depth (ft):	7.483														
Manufacturer:	TRDI	End Time:	10:56:08	Width (ft):	39.428														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.84														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	204.865														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.86														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.174	Uncertainty															
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev															
W. Temp. (C):	7.822222	Bottom Extrap:	No Slip	95% Total Uncertainty: 4.5 <table><thead><tr><th>Category</th><th>Percent of Total</th></tr></thead><tbody><tr><td>Systematic</td><td>45</td></tr><tr><td>Edges</td><td>20</td></tr><tr><td>Moving-bed</td><td>12</td></tr><tr><td>Extrap.</td><td>10</td></tr><tr><td>COV</td><td>10</td></tr><tr><td>Invalid</td><td>5</td></tr></tbody></table>		Category	Percent of Total	Systematic	45	Edges	20	Moving-bed	12	Extrap.	10	COV	10	Invalid	5
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Systematic	45																		
Edges	20																		
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COV	10																		
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W. Temp. ADCP (C):		Extrap Exponent:	0.2565																
System Test:	Passed	Discharg COV (%):	0.88																
Compass Cal/Eval:	0.30	Top Q (%):	6.85																
Magnetic Variaton:	13.5	Measured Q (%):	72.96																
MovBed Test Type:	Loop	Left Q (%):	1.52																
MovBed Test Quality:	Warnings	Right Q (%):	4.99																
MovBed Test Dur.(s):	287.6	Bottom Q (%):	11.94																
Max MovBed (%):	1.59	Invalid Cells Q (%):	0.22																
Q Correction (%):	1.77	Invalid Ensembles Q (%):	5.13																

Automated QA Messages:

WARNINGS

- Edges: One or more transects have an edge edge Q greater than 5%;

Cautions

- bt-Int. Q for consecutive invalid ensembles exceeds 3.0%;
- 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:



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2 of 4

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Comments:

- [Main, 2025-04-18 12:26:58, ADCPH]: High water and dangerous conditions did not allow the technician to enter the water to clean debris likely stuck on the bottom of the channel that were causing loss of data. Edges were cleaned as far as the technician could reach from the banks. Right side edge is very shallow with grass covering mud, unable to wade to clean. Moving bed test was also effected by the consecutive invalid ensembles. This measurement should be considered an estimate given the poor conditions of the transect. There is no site number for this location.
- [Main, 2025-04-18 12:32:12, ADCPH]: Windy conditions during measurement caused some excessive boat movement. Large amount of debris were passing through channel that were mobilized by the wind, debris including grass, reeds, sticks, and large branches.
- [2025-04-18 12:35:11, ADCPH]: File Saved Q = 486.45 ft³/s (Uncertainty: 4.5%)

ID	File Name
0	S2Krumbo_04172025_0_000_25-04-17.PD0
1	S2Krumbo_04172025_0_001_25-04-17.PD0
2	S2Krumbo_04172025_0_007_25-04-17.PD0
3	S2Krumbo_04172025_0_008_25-04-17.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft ³ /s)	Middle	Bottom	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	10:32:44	10:36:55	251.2	31.22	347.73	55.91	6.59	26.59	482.29
1	Right	10:37:10	10:40:41	211.0	34.7	356.21	59.06	6.09	27.78	487.06
2	Left	10:51:39	10:55:54	255.4	34.21	353.94	61.97	7.41	21.99	492.16
3	Right	10:56:08	10:59:44	216.0	33.12	361.82	55.39	9.39	20.82	484.28
				933.7	33.31	354.92	58.08	7.37	24.3	486.45

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	6.00	10	0.3535
1	Right	Triangular	5.00	10	0.3535	Triangular	6.00	10	0.3535
2	Left	Triangular	6.00	10	0.3535	Triangular	5.00	10	0.3535
3	Right	Triangular	6.00	10	0.3535	Triangular	5.00	10	0.3535



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3 of 4

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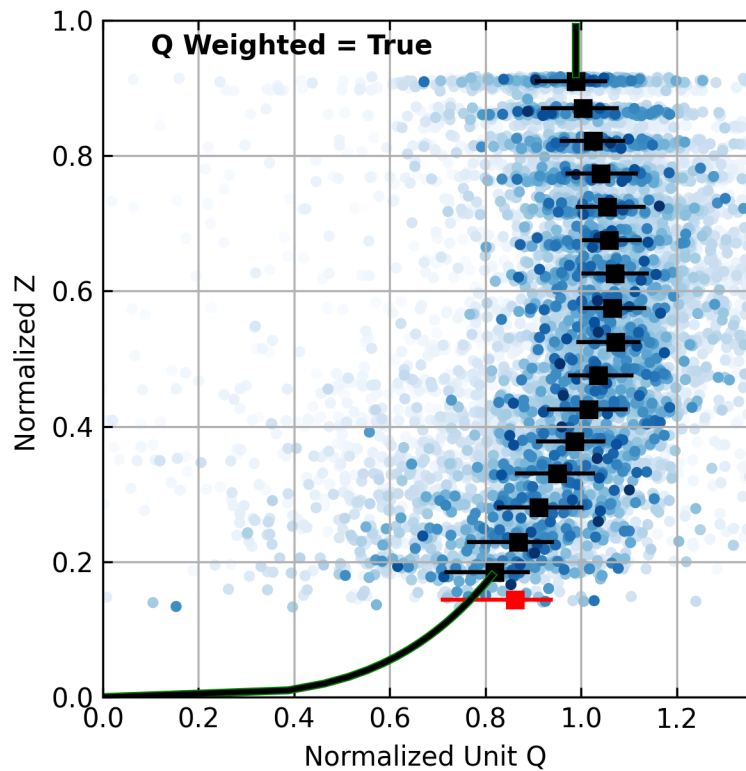
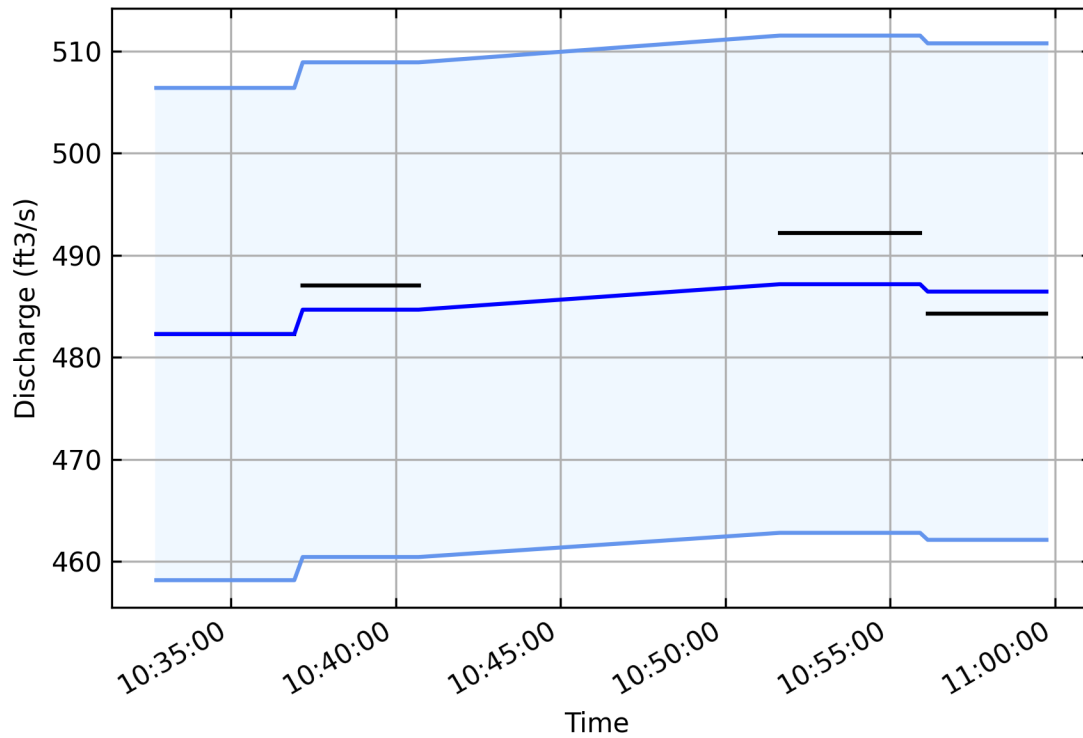
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