



QRev Discharge Measurement Report

1 of 5

Station Name: 05012025_S2Krumbo

Station Number: None

Measurement Date: 2025.05.01

Measurement Number: 0

Discharge: 442.1

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.04 16:33:44

Field Crew:		Discharge Summary		Cross Section															
Processed By:	ADCPH	Discharge (ft3/s):	442.1	Mean Velocity (ft/s):	2.367														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.879														
Version:	4.37	Total Duration (s):	1447.2	Mean Depth (ft):	5.089														
ADCP		Start Time:	11:09:57	Max. Depth (ft):	7.146														
Manufacturer:	TRDI	End Time:	11:35:14	Width (ft):	36.729														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	6.20														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	186.939														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	6.67														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.171	Uncertainty															
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev															
W. Temp. (C):	8.95	Bottom Extrap:	No Slip	95% Total Uncertainty: 7.2 <table><thead><tr><th>Category</th><th>Percent of Total</th></tr></thead><tbody><tr><td>COV</td><td>65</td></tr><tr><td>Systematic</td><td>18</td></tr><tr><td>Extrap.</td><td>8</td></tr><tr><td>Moving-bed</td><td>5</td></tr><tr><td>Edges</td><td>3</td></tr><tr><td>Invalid</td><td>2</td></tr></tbody></table>		Category	Percent of Total	COV	65	Systematic	18	Extrap.	8	Moving-bed	5	Edges	3	Invalid	2
Category	Percent of Total																		
COV	65																		
Systematic	18																		
Extrap.	8																		
Moving-bed	5																		
Edges	3																		
Invalid	2																		
W. Temp. ADCP (C):	8.9	Extrap Exponent:	0.2828																
System Test:	Passed	Discharg COV (%):	5.62																
Compass Cal/Eval:	0.70	Top Q (%):	7.30																
Magnetic Variaton:	13.5	Measured Q (%):	75.63																
MovBed Test Type:	Stationary	Left Q (%):	0.83																
MovBed Test Quality:	Good	Right Q (%):	3.23																
MovBed Test Dur.(s):	1871.0	Bottom Q (%):	12.17																
Max MovBed (%):	2.65	Invalid Cells Q (%):	0.26																
Q Correction (%):	0.85	Invalid Ensembles Q (%):	4.32																

Automated QA Messages:

WARNINGS

- BT-Int. Q for consecutive invalid ensembles exceeds 5.0%;

Cautions

- Moving-Bed Test: A moving-bed is present.
- Moving-Bed: BT based moving-bed correction applied.
- Site Info: Station number not entered;
- Temperature: User modified ADCP temperature.

Comments:

- MMT Remarks:



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Station Number: None

Measurement Date: 2025.05.01

Measurement Number: 0

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User Rating: Not Rated

Processed: 2025.05.04 16:33:45

Comments:

- [Main, 2025-05-04 16:04:09, ADCPH]: Due to high water and excess vegetation along edges, transect could not be fully cleaned. About 10-15 feet from the left edge, repeated BT loss, likely vegetation or material stuck on the bottom of the channel. A moving bed was detected with the initial loop test, 3 stationary tests were completed and showed to be accurate for corrections. Difference in ADCP temperature and independent temperature likely due to ADCP being in direct sun for entire measurement, which elevated the ADCP temperature. The ADCP temperature was replaced with the independent temperature reading. There is no site number for this location.
- [2025-05-04 16:09:57, ADCPH]: File Saved Q = 441.90 ft³/s (Uncertainty: 7.2%)
- [Main, 2025-05-04 16:32:43, ADCPH]: Due to multiple BT loss issues, this measurement should only be used as an estimate for the discharge at this location.
- [2025-05-04 16:33:39, ADCPH]: File Saved Q = 442.10 ft³/s (Uncertainty: 7.2%)

ID	File Name
0	05012025_S2Krumbo_0_000_25-05-01.PD0
1	05012025_S2Krumbo_0_003_25-05-01.PD0
2	05012025_S2Krumbo_0_004_25-05-01.PD0
3	05012025_S2Krumbo_0_005_25-05-01.PD0
4	05012025_S2Krumbo_0_006_25-05-01.PD0
5	05012025_S2Krumbo_0_007_25-05-01.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft ³ /s)	Middle Q (ft ³ /s)	Bottom Q (ft ³ /s)	Left Q (ft ³ /s)	Right Q (ft ³ /s)	Total Q (ft ³ /s)
0	Left	11:09:57	11:14:11	253.7	30.88	326.75	50.57	3.85	13.05	428.19
1	Right	11:18:08	11:21:57	229.0	34.42	358.25	46.9	3.36	15.87	459.82
2	Left	11:22:37	11:26:09	211.7	27.46	297.65	47.76	3.56	14.34	397.53
3	Right	11:26:20	11:30:16	236.8	33.5	343.13	57.28	3.75	15.01	454.51
4	Left	11:30:45	11:35:01	256.3	32.26	334.14	60.92	3.03	14.2	452.04
5	Right	11:35:14	11:39:33	259.6	35.21	346.33	59.42	4.39	13.15	460.53
				1447.2	32.29	334.37	53.81	3.66	14.27	442.1

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	4.00	10	0.3535	Triangular	4.00	10	0.3535
1	Right	Triangular	4.00	10	0.3535	Triangular	4.00	10	0.3535
2	Left	Triangular	4.00	10	0.3535	Triangular	4.00	10	0.3535
3	Right	Triangular	4.00	10	0.3535	Triangular	4.00	10	0.3535
4	Left	Triangular	4.00	10	0.3535	Triangular	4.00	10	0.3535
5	Right	Triangular	4.00	10	0.3535	Triangular	4.00	10	0.3535



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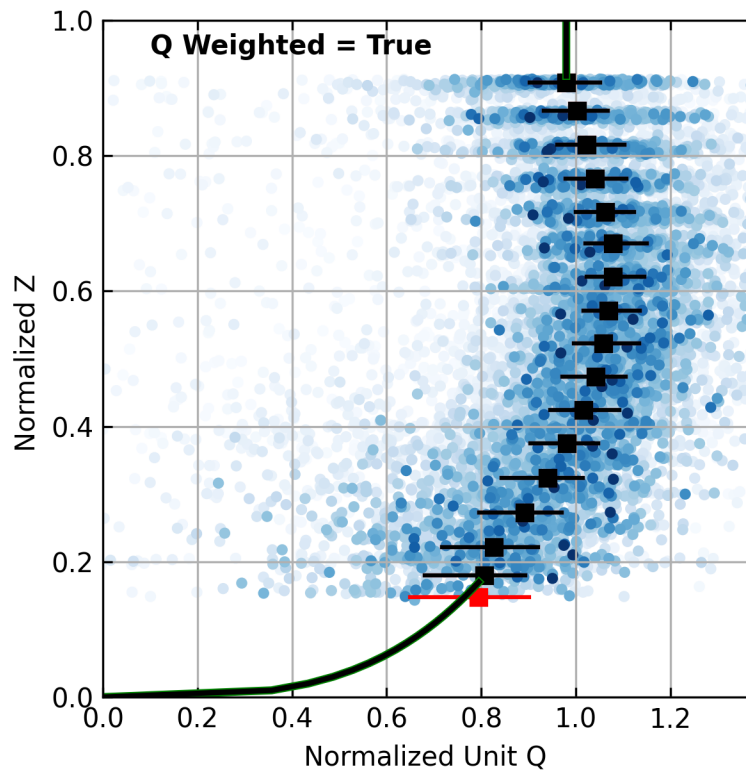
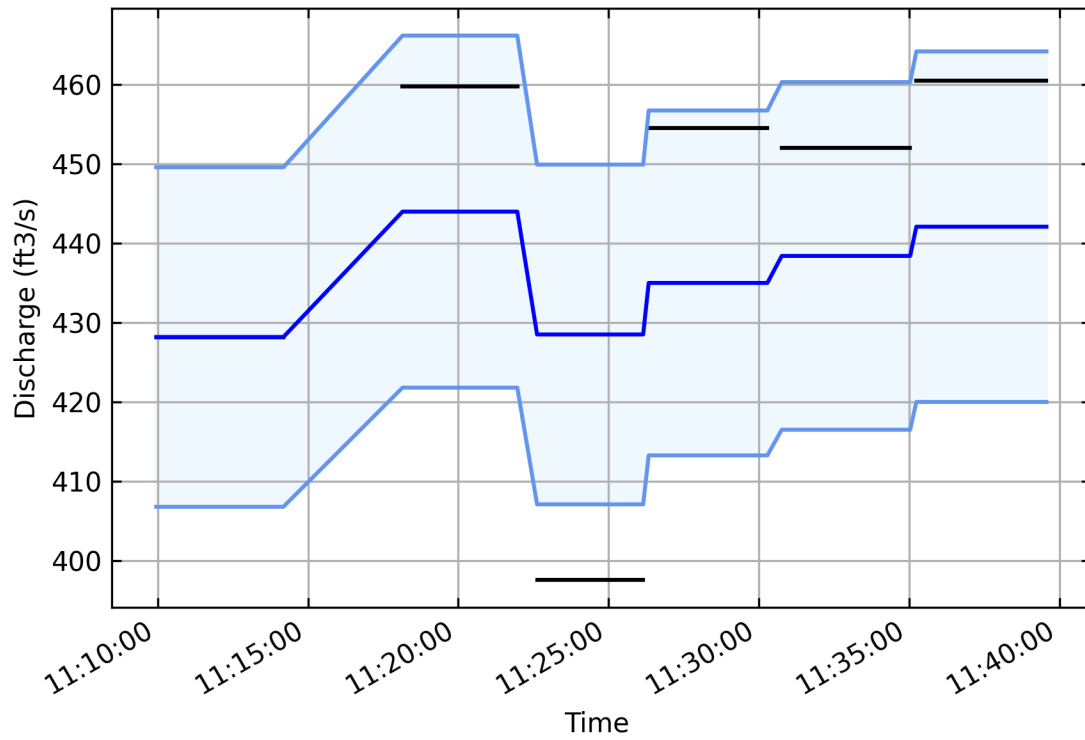
Measurement Number: 0

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Measurement Date: 2025.05.01

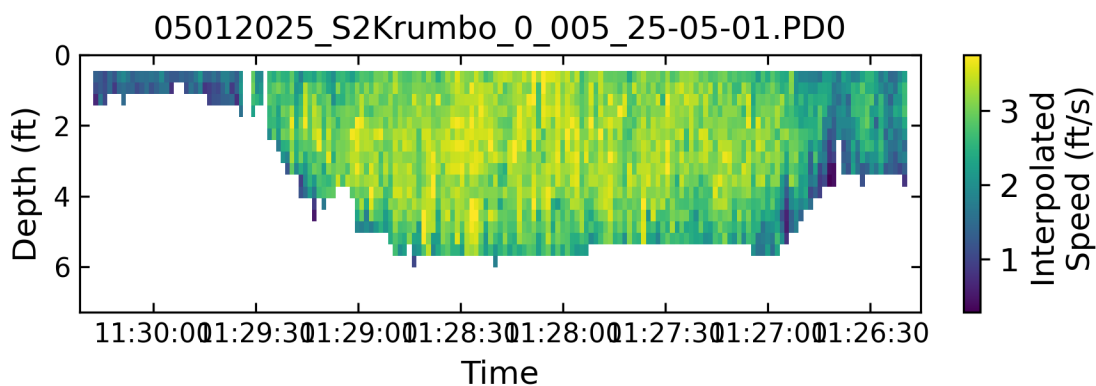
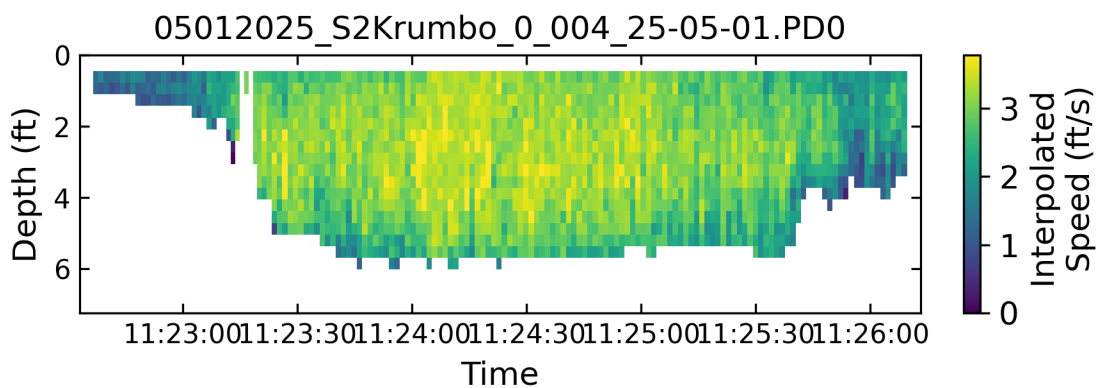
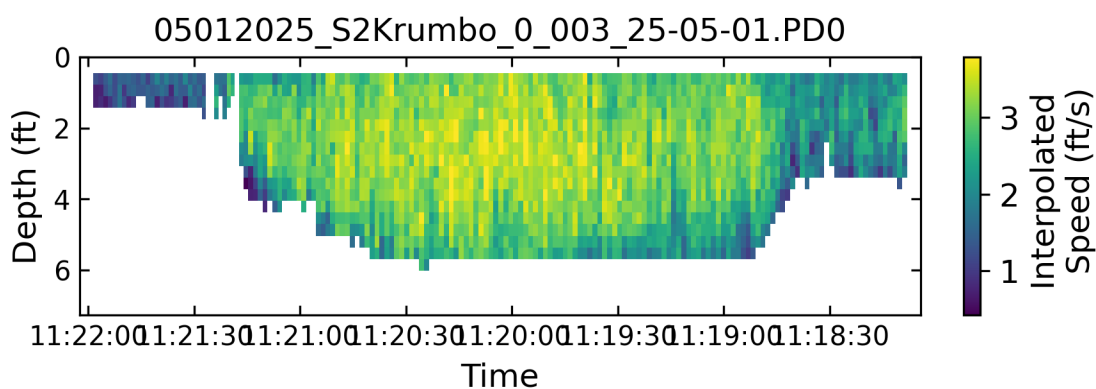
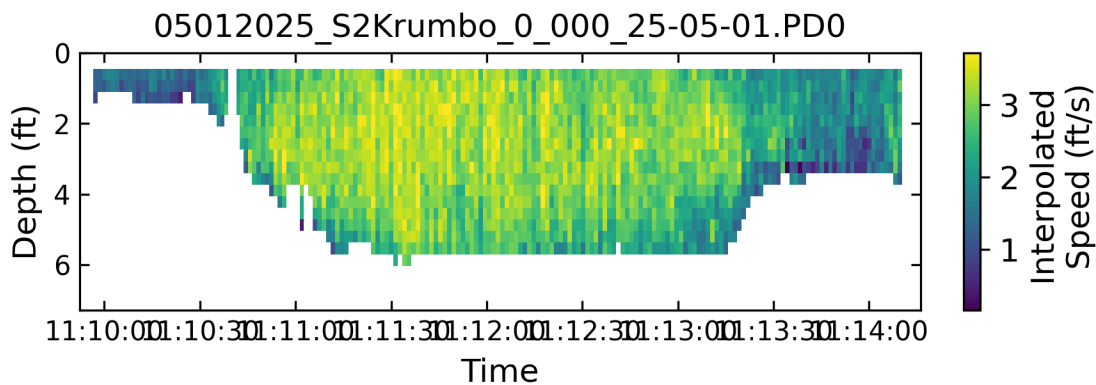
Measurement Number: 0

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Stage: 0.00

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