



QRev Discharge Measurement Report

1 of 6

Station Name: 05202025_S2Krumbo

Station Number:

Measurement Date: 2025.05.20

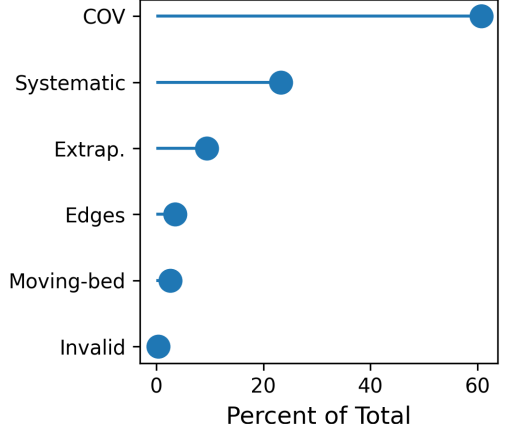
Measurement Number: 0

Discharge: 372.0

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.27 10:38:52

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	372.0	Mean Velocity (ft/s):	2.380
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.974
Version:	4.36	Total Duration (s):	1804.9	Mean Depth (ft):	4.414
ADCP		Start Time:	07:35:13	Max. Depth (ft):	6.284
Manufacturer:	TRDI	End Time:	08:16:55	Width (ft):	35.459
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	3.91
Serial Number:	2673	Stage End:	0.00	Area (ft2):	156.657
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	6.90
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.169	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	9.75	Bottom Extrap:	No Slip	95% Total Uncertainty: 6.2 	
W. Temp. ADCP (C):		Extrap Exponent:	0.3105		
System Test:	Passed	Discharg COV (%):	5.79		
Compass Cal/Eval:	0.99	Top Q (%):	7.11		
Magnetic Variaton:	13.5	Measured Q (%):	77.17		
MovBed Test Type:	Loop	Left Q (%):	0.93		
MovBed Test Quality:	Good	Right Q (%):	2.97		
MovBed Test Dur.(s):	287.3	Bottom Q (%):	11.83		
Max MovBed (%):	0.70	Invalid Cells Q (%):	0.01		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.87		

Automated QA Messages:

WARNINGS

Cautions

- Transects: The number of invalid ensembles at the left edge exceeds 5 percent;
- Transects: The number of invalid ensembles at the right edge exceeds 5 percent;
- Site Info: Station number not entered;

Comments:

- MMT Remarks:



QRev Discharge Measurement Report

2 of 6

Station Name: 05202025_S2Krumbo

Station Number:

Measurement Date: 2025.05.20

Measurement Number: 0

Discharge: 372.0

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.27 10:38:52

Comments:

- [Main, 2025-05-27 10:29:59, sarah]: There is no station number for this site. Transect was cleaned with a new weed razer that allows cleaning further into the transect. Hydrographer was able to clean left and right edges of inundated vegetation. Still having problems with left edge, likely from a large branch stuck in the bed due to weed razer getting caught on it and could not remove. Hydrographer had difficulty with repeatable transects, unsure if moving bed was causing this issue, many transects were taken in order to overcome this problem. Cautions from Qrev state that invalid ensembles exceeds five percent on both edges. However, after inspecting all transects cross-sections, there does not appear to be missing ensembles. Measurement weather conditions were cool and cloudy, no WT issues between independent and ADCP with the ADCP not being in direct sun.
- [2025-05-27 10:38:43, sarah]: File Saved Q = 372.30 ft³/s (Uncertainty: 6.2%)

ID	File Name
0	05202025_S2Krumbo_0_000_25-05-20.PD0
1	05202025_S2Krumbo_0_003_25-05-20.PD0
2	05202025_S2Krumbo_0_005_25-05-20.PD0
3	05202025_S2Krumbo_0_006_25-05-20.PD0
4	05202025_S2Krumbo_0_010_25-05-20.PD0
5	05202025_S2Krumbo_0_012_25-05-20.PD0
6	05202025_S2Krumbo_0_013_25-05-20.PD0
7	05202025_S2Krumbo_0_014_25-05-20.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	07:35:13	07:38:54	221.4	24.5	274.0	43.0	2.44	13.0	357.0
1	Right	07:41:41	07:46:14	273.1	27.3	283.0	45.2	3.74	11.6	371.0
2	Left	07:48:48	07:52:27	218.5	26.3	288.0	41.1	3.84	11.3	371.0
3	Right	07:52:44	07:56:19	215.3	27.4	300.0	43.0	3.82	9.66	384.0
4	Left	08:02:57	08:06:39	222.2	24.2	258.0	41.1	2.63	11.3	337.0
5	Right	08:08:33	08:11:52	199.3	29.5	323.0	44.9	3.79	9.87	411.0
6	Left	08:13:05	08:16:44	219.4	26.4	293.0	48.8	3.81	10.1	382.0
7	Right	08:16:55	08:20:51	235.5	26.1	280.0	45.2	3.49	11.6	366.0
				1804.9	26.5	287.0	44.1	3.44	11.0	372.0



QRev Discharge Measurement Report

3 of 6

Station Name: 05202025_S2Krumbo

Station Number:

Measurement Date: 2025.05.20

Measurement Number: 0

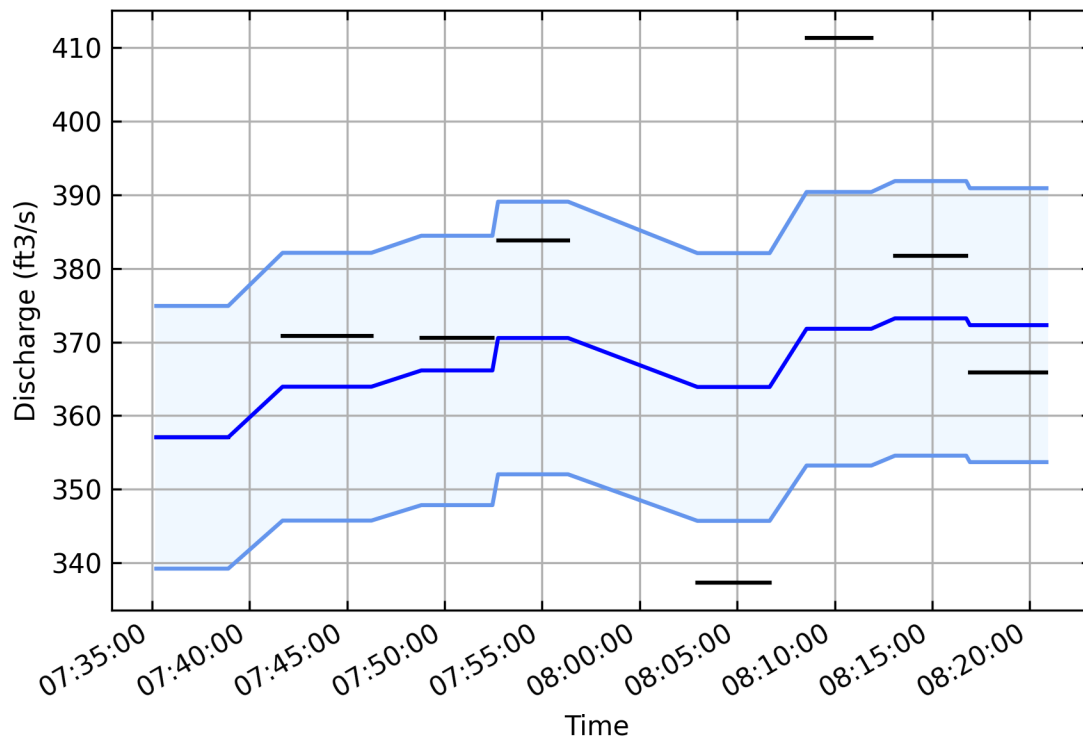
Discharge: 372.0

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.27 10:38:52

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	1.07	10	0.3535	Triangular	1.22	10	0.3535
1	Right	Triangular	1.07	10	0.3535	Triangular	1.22	10	0.3535
2	Left	Triangular	1.22	10	0.3535	Triangular	1.07	10	0.3535
3	Right	Triangular	1.22	10	0.3535	Triangular	1.07	10	0.3535
4	Left	Triangular	1.07	10	0.3535	Triangular	1.22	10	0.3535
5	Right	Triangular	1.22	10	0.3535	Triangular	1.07	10	0.3535
6	Left	Triangular	1.22	10	0.3535	Triangular	1.07	10	0.3535
7	Right	Triangular	1.22	10	0.3535	Triangular	1.07	10	0.3535





QRev Discharge Measurement Report

4 of 6

Station Name: 05202025_S2Krumbo

Station Number:

Measurement Date: 2025.05.20

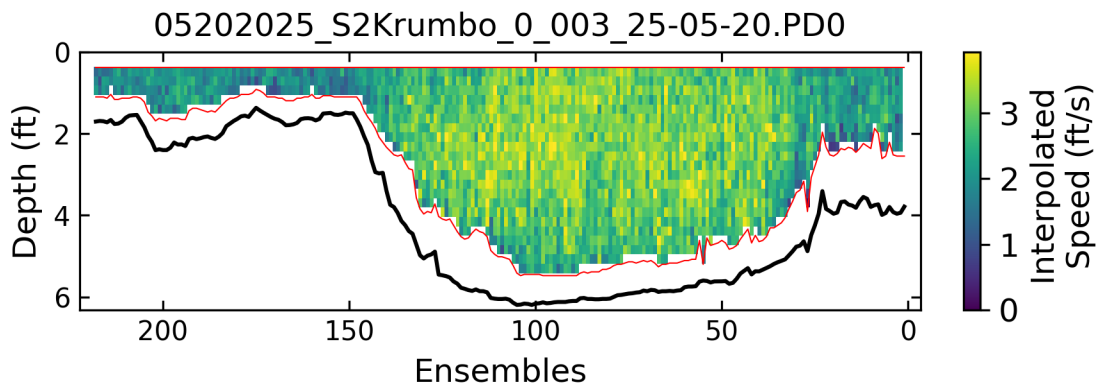
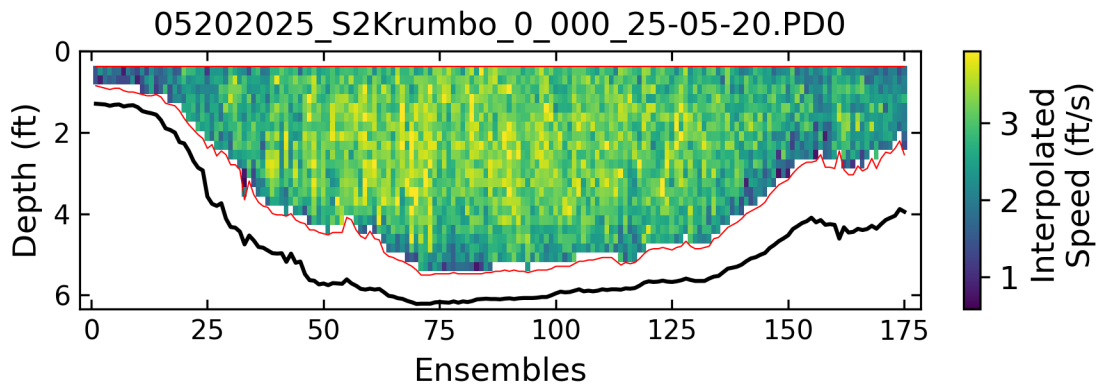
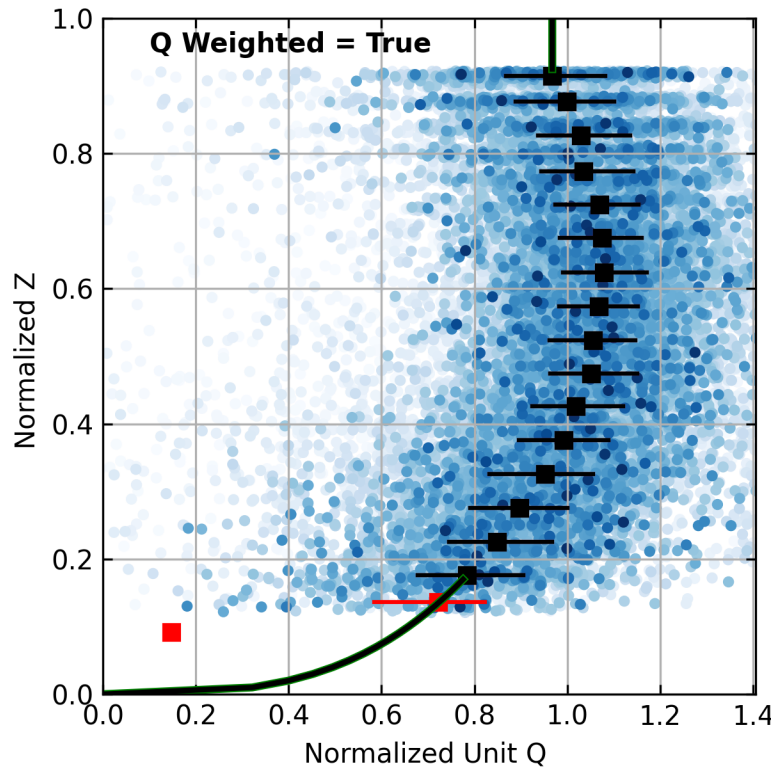
Measurement Number: 0

Discharge: 372.0

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.27 10:38:52





QRev Discharge Measurement Report

5 of 6

Station Name: 05202025_S2Krumbo

Station Number:

Measurement Date: 2025.05.20

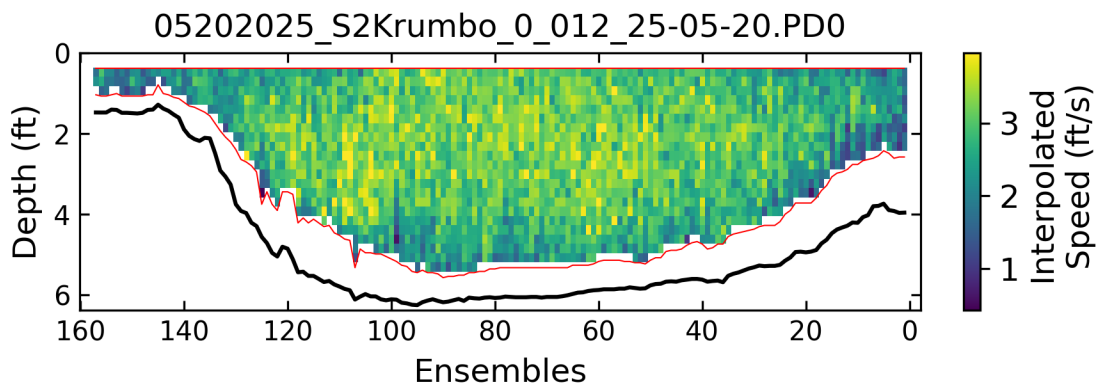
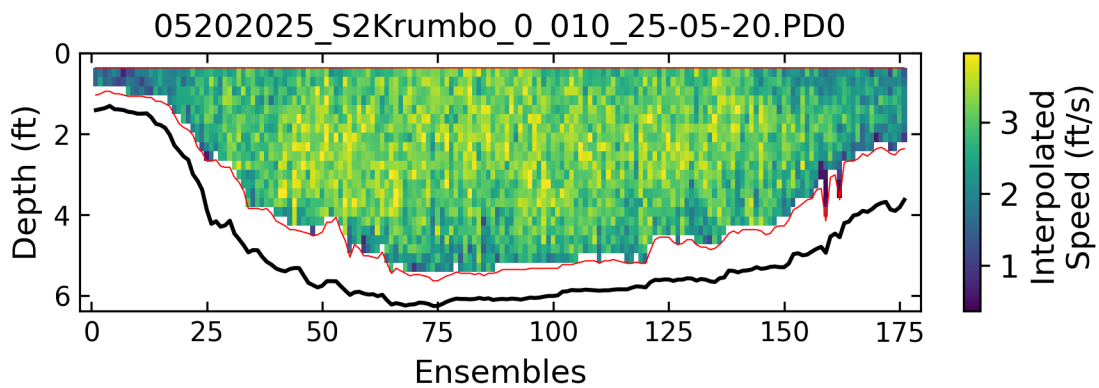
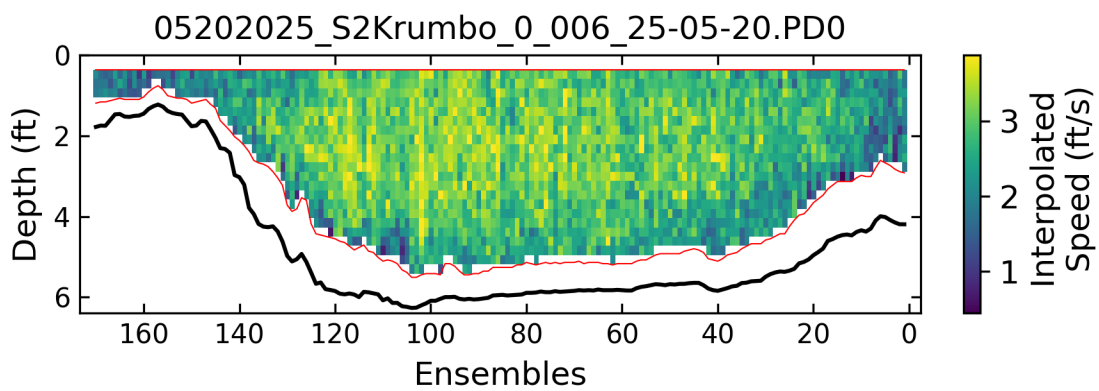
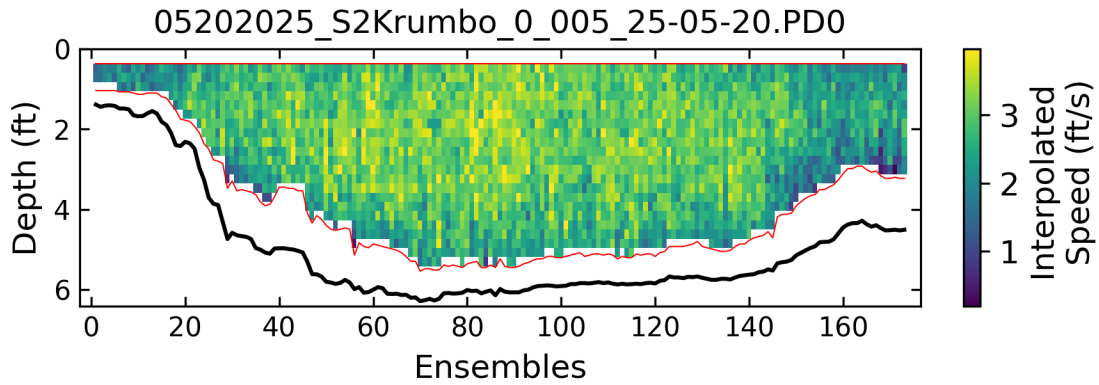
Measurement Number: 0

Discharge: 372.0

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.27 10:38:53





QRev Discharge Measurement Report

6 of 6

Station Name: 05202025_S2Krumbo

Station Number:

Measurement Date: 2025.05.20

Measurement Number: 0

Discharge: 372.0

Stage: 0.00

User Rating: Not Rated

Processed: 2025.05.27 10:38:54

