



QRev Discharge Measurement Report

1 of 5

Station Name: 07192024_Krumbo

Station Number:

Measurement Date: 2024.07.19

Measurement Number: 0

Discharge: 65.16

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:16:48

Field Crew:		Discharge Summary		Cross Section															
Processed By:	sarah	Discharge (ft3/s):	65.16	Mean Velocity (ft/s):	0.942														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.484														
Version:	4.37	Total Duration (s):	2171.9	Mean Depth (ft):	2.874														
ADCP		Start Time:	10:20:54	Max. Depth (ft):	3.948														
Manufacturer:	TRDI	End Time:	11:01:16	Width (ft):	24.065														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	3.31														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	69.154														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	3.63														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.095	Uncertainty															
Premeasurement		Top Extrap:	Power	Uncertainty Method: QRev															
W. Temp. (C):	19.55	Bottom Extrap:	Power	95% Total Uncertainty: 5.8 <table><caption>Uncertainty Components</caption><tr><th>Component</th><th>Percent of Total</th></tr><tr><td>COV</td><td>60</td></tr><tr><td>Systematic</td><td>25</td></tr><tr><td>Extrap.</td><td>5</td></tr><tr><td>Edges</td><td>5</td></tr><tr><td>Moving-bed</td><td>5</td></tr><tr><td>Invalid</td><td>5</td></tr></table>		Component	Percent of Total	COV	60	Systematic	25	Extrap.	5	Edges	5	Moving-bed	5	Invalid	5
Component	Percent of Total																		
COV	60																		
Systematic	25																		
Extrap.	5																		
Edges	5																		
Moving-bed	5																		
Invalid	5																		
W. Temp. ADCP (C):		Extrap Exponent:	0.2362																
System Test:	Passed	Discharg COV (%):	5.44																
Compass Cal/Eval:	0.67	Top Q (%):	13.86																
Magnetic Variaton:	13.5	Measured Q (%):	69.39																
MovBed Test Type:	Loop	Left Q (%):	2.23																
MovBed Test Quality:	Good	Right Q (%):	1.42																
MovBed Test Dur.(s):	363.8	Bottom Q (%):	13.10																
Max MovBed (%):	0.10	Invalid Cells Q (%):	0.12																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.33																

Automated QA Messages:

WARNINGS

Cautions

- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2024-07-26 10:08:43, sarah]: Experienced some trouble with low water on this measurement; particularly on channel edges with variable boat movement that was not easy to control due to slow moving water and eddies. Some issues with zero bins on edges, necessitating transects 000, 005, and 008 to be removed and restarted. No station number for this site. Attempted a measurement the day prior, but could not pass moving bed test. Measurement was ended and transect cleaned, return next day for measurement successful and showed vegetation in transect was likely issue for moving bed.
- [2024-07-26 10:16:41, sarah]: File Saved Q = 65.16 ft3/s (Uncertainty: 5.8%)



QRev Discharge Measurement Report

2 of 5

Station Name: 07192024_Krumbo

Station Number:

Measurement Date: 2024.07.19

Measurement Number: 0

Discharge: 65.16

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:16:48

ID	File Name
1	07192024_Krumbo_0_001_24-07-19.PD0
2	07192024_Krumbo_0_002_24-07-19.PD0
3	07192024_Krumbo_0_003_24-07-19.PD0
4	07192024_Krumbo_0_004_24-07-19.PD0
6	07192024_Krumbo_0_006_24-07-19.PD0
7	07192024_Krumbo_0_007_24-07-19.PD0
9	07192024_Krumbo_0_009_24-07-19.PD0
10	07192024_Krumbo_0_010_24-07-19.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)
1	Left	10:20:54	10:25:20	265.9	9.62	46.02	8.95	1.48	1.08	67.16
2	Right	10:26:05	10:30:26	260.6	9.88	48.23	9.0	1.29	0.97	69.38
3	Left	10:30:37	10:34:58	260.8	8.49	41.81	7.69	1.32	1.1	60.42
4	Right	10:35:08	10:40:36	328.3	10.04	47.98	9.4	1.07	1.5	69.99
6	Left	10:42:34	10:46:44	250.3	9.44	44.83	8.77	1.88	0.74	65.66
7	Right	10:48:41	10:53:15	273.6	8.24	44.62	8.08	1.68	0.65	63.26
9	Left	10:56:44	11:01:00	256.1	8.18	42.62	8.09	1.71	0.61	61.21
10	Right	11:01:16	11:05:52	276.3	8.35	45.57	8.31	1.18	0.74	64.15
				2171.9	9.03	45.21	8.54	1.45	0.93	65.16

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.
1	Left	Triangular	2.50	10	0.3535	Triangular	3.00	10	0.3535
2	Right	Triangular	2.50	10	0.3535	Triangular	3.00	10	0.3535
3	Left	Triangular	2.50	10	0.3535	Triangular	3.00	10	0.3535
4	Right	Triangular	2.50	10	0.3535	Triangular	3.00	10	0.3535
6	Left	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
7	Right	Triangular	3.00	10	0.3535	Triangular	2.50	10	0.3535
9	Left	Triangular	2.50	10	0.3535	Triangular	3.00	10	0.3535
10	Right	Triangular	2.50	10	0.3535	Triangular	3.00	10	0.3535



QRev Discharge Measurement Report

3 of 5

Station Name: 07192024_Krumbo

Station Number:

Measurement Date: 2024.07.19

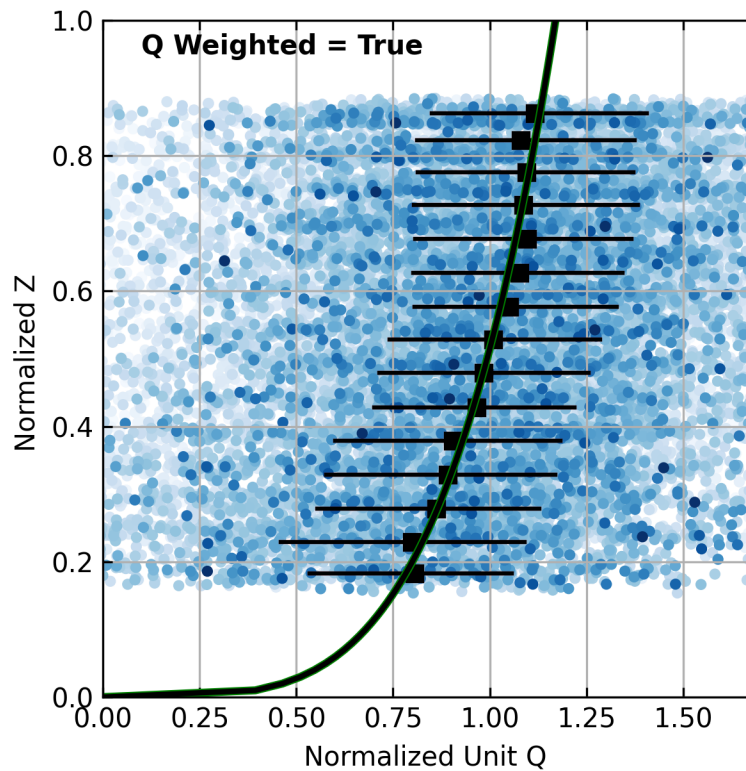
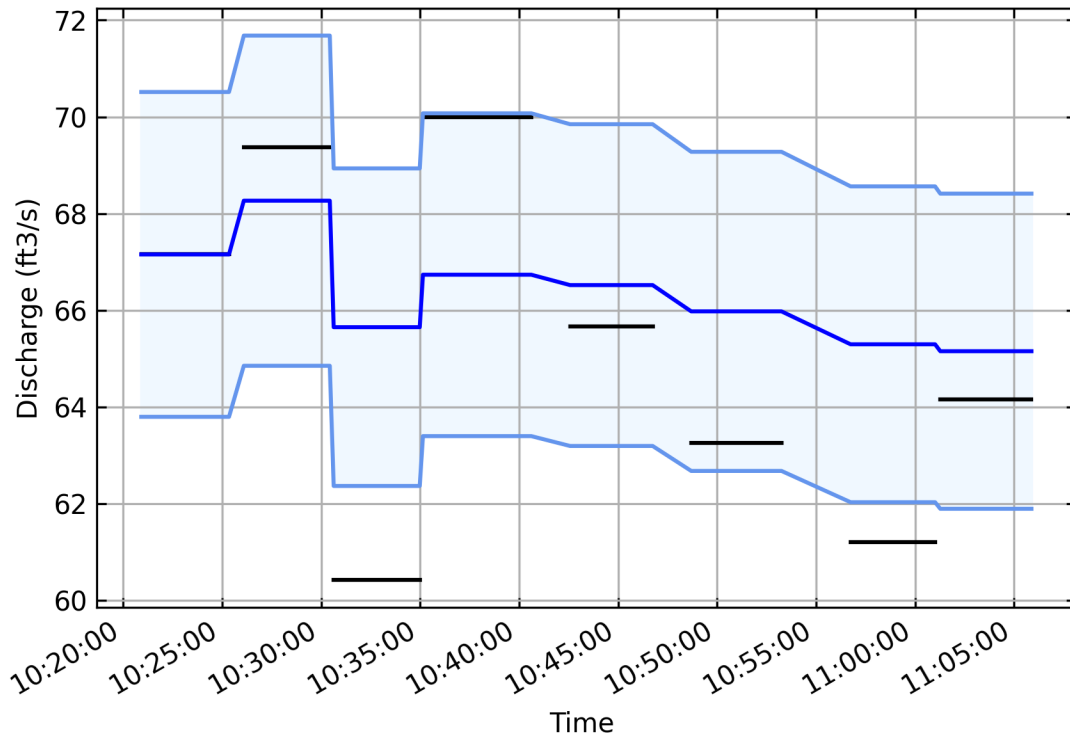
Measurement Number: 0

Discharge: 65.16

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:16:48





QRev Discharge Measurement Report

4 of 5

Station Name: 07192024_Krumbo

Station Number:

Measurement Date: 2024.07.19

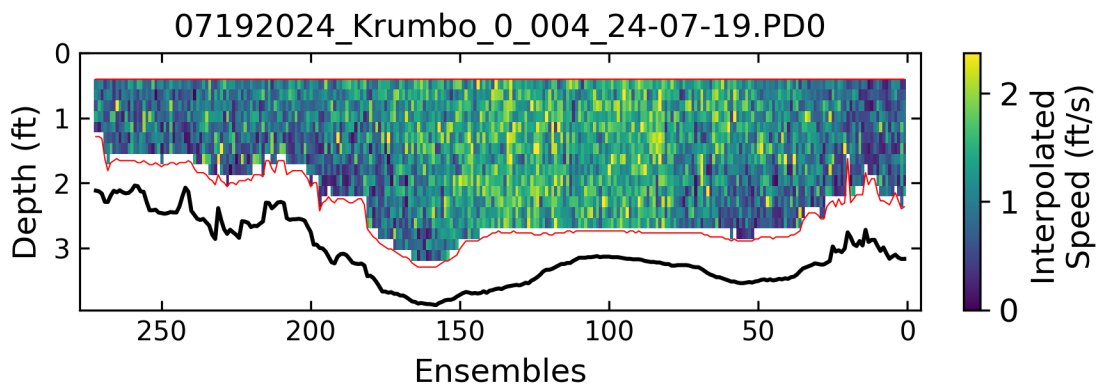
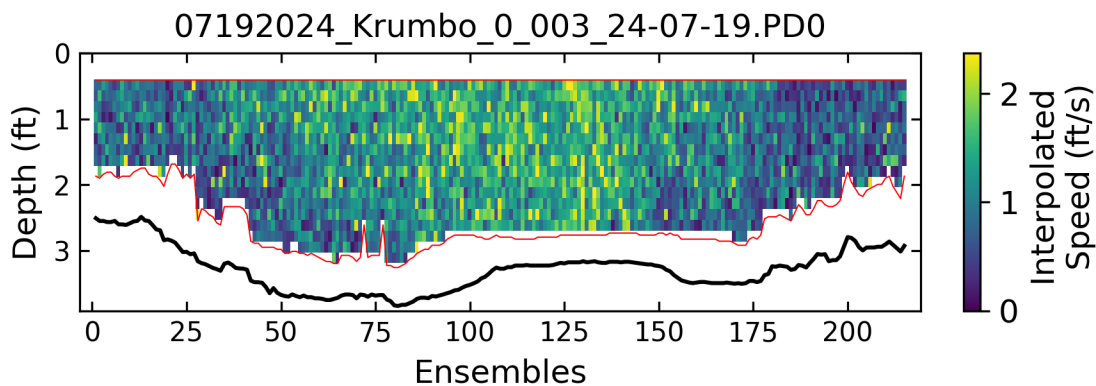
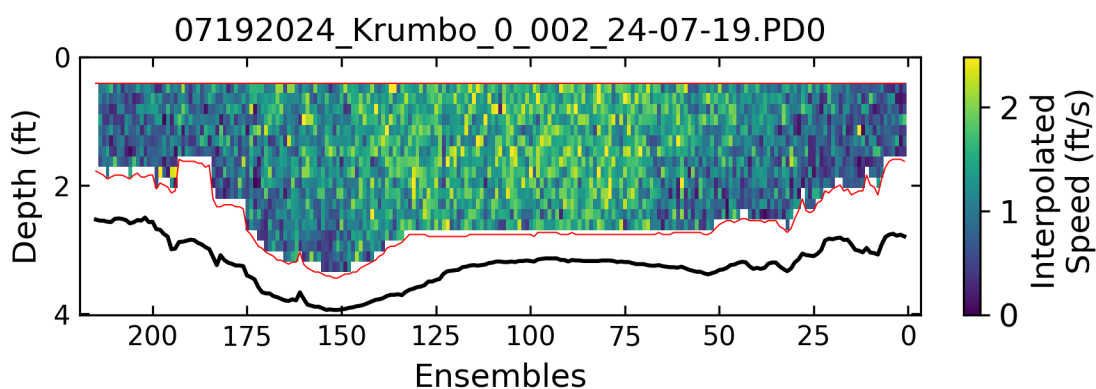
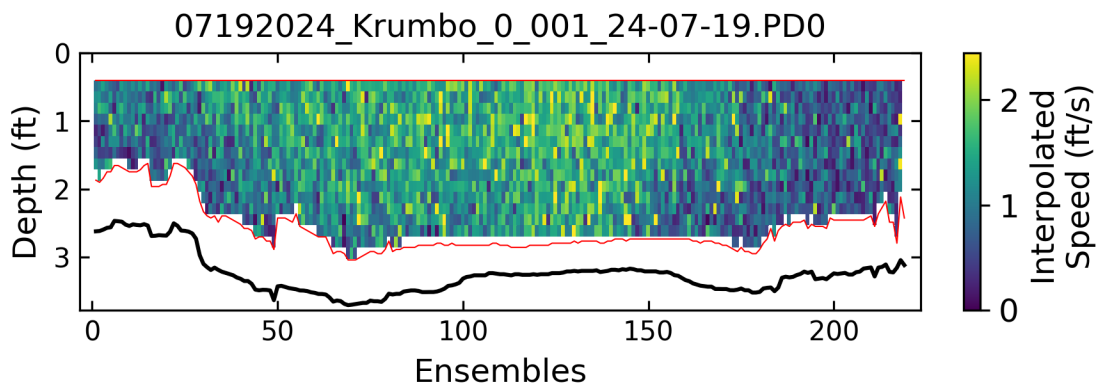
Measurement Number: 0

Discharge: 65.16

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:16:48





QRev Discharge Measurement Report

5 of 5

Station Name: 07192024_Krumbo

Station Number:

Measurement Date: 2024.07.19

Measurement Number: 0

Discharge: 65.16

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:16:49

