



QRev Discharge Measurement Report

1 of 5

Station Name: 07172024_Remauli

Station Number:

Measurement Date: 2024.07.17

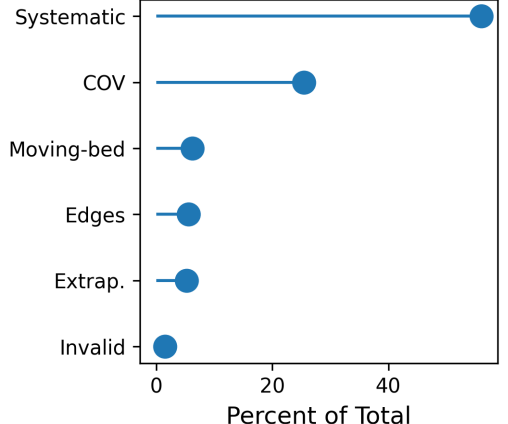
Measurement Number: 0

Discharge: 78.9

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:28:09

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	78.9	Mean Velocity (ft/s):	1.409
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.953
Version:	4.37	Total Duration (s):	1771.6	Mean Depth (ft):	2.366
ADCP		Start Time:	13:56:34	Max. Depth (ft):	3.924
Manufacturer:	TRDI	End Time:	14:25:59	Width (ft):	23.694
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.45
Serial Number:	2673	Stage End:	0.00	Area (ft2):	56.041
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.64
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.112	Uncertainty	
Premeasurement		Top Extrap:	Power	Uncertainty Method: QRev	
W. Temp. (C):	22.25	Bottom Extrap:	Power	95% Total Uncertainty: 4.0 	
W. Temp. ADCP (C):		Extrap Exponent:	0.2538		
System Test:	Passed	Discharg COV (%):	1.93		
Compass Cal/Eval:	0.66	Top Q (%):	14.32		
Magnetic Variaton:	13.5	Measured Q (%):	66.93		
MovBed Test Type:	Loop	Left Q (%):	1.72		
MovBed Test Quality:	Warnings	Right Q (%):	1.43		
MovBed Test Dur.(s):	384.9	Bottom Q (%):	15.60		
Max MovBed (%):	0.30	Invalid Cells Q (%):	0.08		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	2.35		

Automated QA Messages:

WARNINGS

- TEMPERATURE: The difference between ADCP and reference is > 2: 2.3 C;

Cautions

- Edges: Excessive boat movement in edge ensembles;
- Moving-Bed Test: The moving-bed test(s) has warnings, please review tests to determine validity;
- Site Info: Station number not entered;
- Edges: User modified start edge.
- Edges: User modified left edge distance.

Comments:

- MMT Remarks:
- [Edges, 2024-07-26 10:21:55, sarah]: Transects 003 and 004 accidently recorded opposite edge starting points due to restarting transect 002 due to zero bin edge issues.



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User Rating: Not Rated

Processed: 2024.07.26 10:28:09

Comments:

- [Main, 2024-07-26 10:26:14, sarah]: No site station number for site.
- [Main, 2024-07-26 10:26:31, sarah]: Slow moving water and eddies on edges causing some uncontrollable boat movements.
- [2024-07-26 10:28:04, sarah]: File Saved Q = 78.90 ft³/s (Uncertainty: 4.0%)

ID	File Name
0	07172024_Remauli_0_000_24-07-17.PD0
1	07172024_Remauli_0_001_24-07-17.PD0
3	07172024_Remauli_0_003_24-07-17.PD0
4	07172024_Remauli_0_004_24-07-17.PD0
5	07172024_Remauli_0_005_24-07-17.PD0
7	07172024_Remauli_0_007_24-07-17.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	13:56:34	14:01:49	314.6	11.24	53.79	12.49	0.59	1.44	79.55
1	Right	14:02:05	14:06:09	244.1	10.9	52.26	12.12	0.52	1.07	76.87
3	Left	14:08:23	14:13:01	277.4	12.03	52.84	13.1	1.52	1.17	80.68
4	Right	14:13:14	14:18:17	302.1	11.46	51.56	12.69	1.01	1.46	78.19
5	Left	14:20:33	14:24:55	262.3	12.03	53.4	12.84	1.61	0.45	80.33
7	Right	14:25:59	14:32:10	371.1	10.14	52.96	10.6	2.89	1.18	77.76
				1771.6	11.3	52.8	12.31	1.36	1.13	78.9

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	3.00	10	0.3535	Triangular	3.00	10	0.3535
1	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
3	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
4	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
5	Left	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535
7	Right	Triangular	3.00	10	0.3535	Triangular	3.00	10	0.3535



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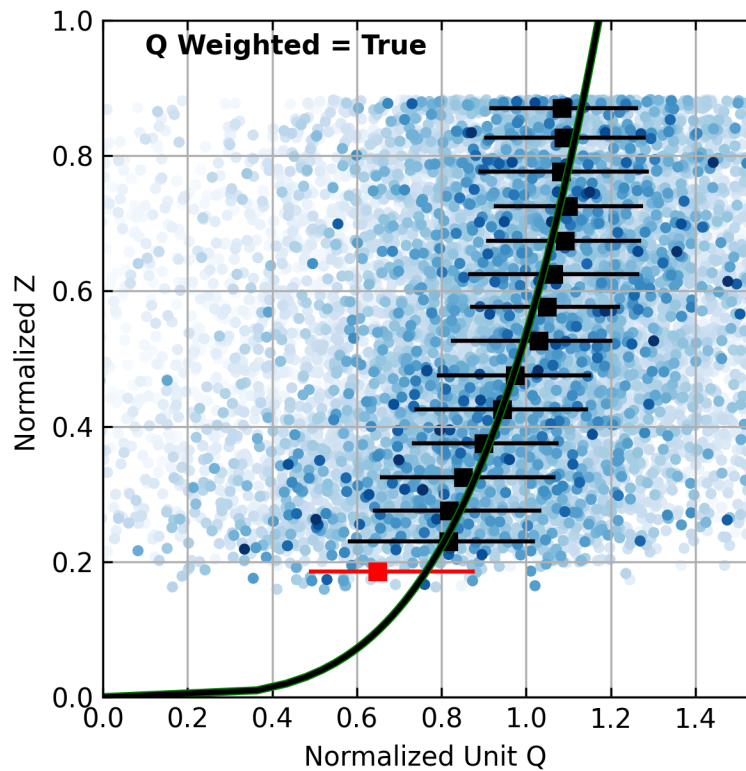
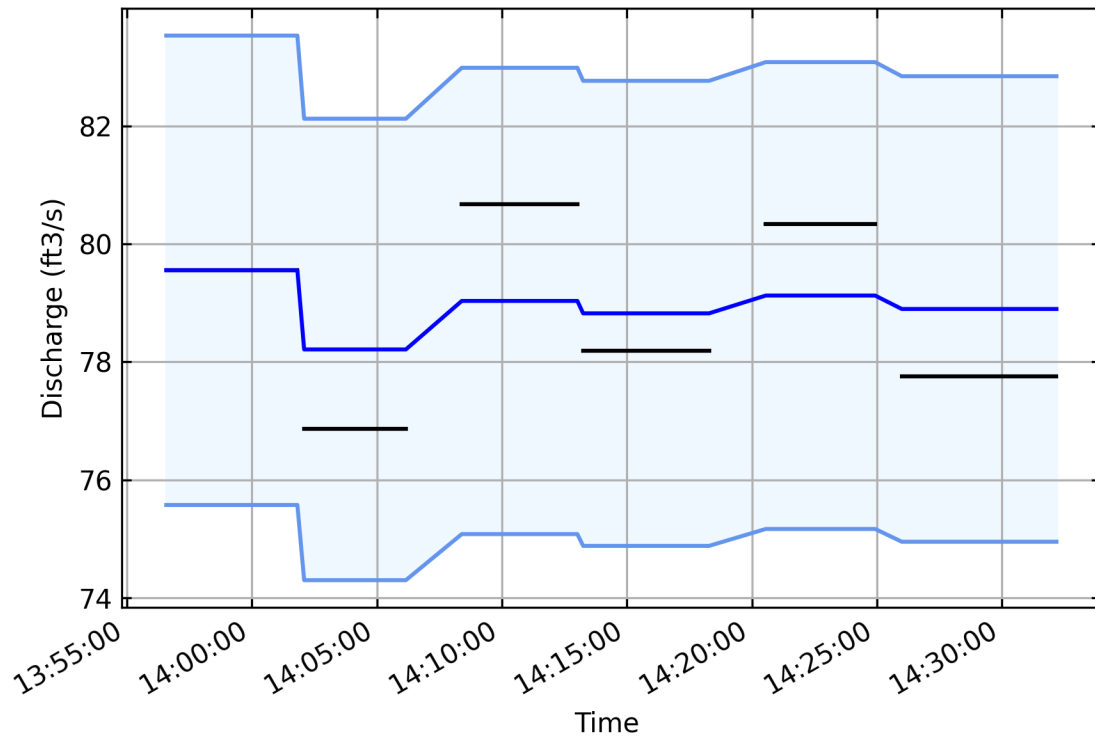
Measurement Number: 0

Discharge: 78.9

Stage: 0.00

User Rating: Not Rated

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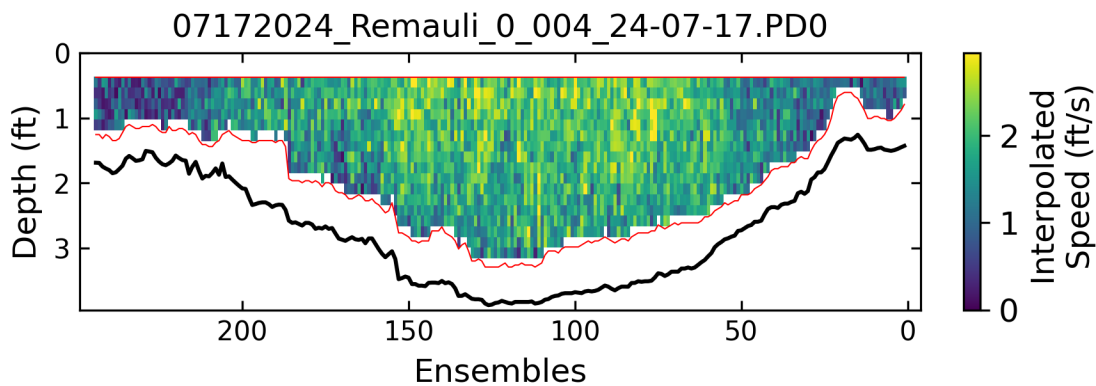
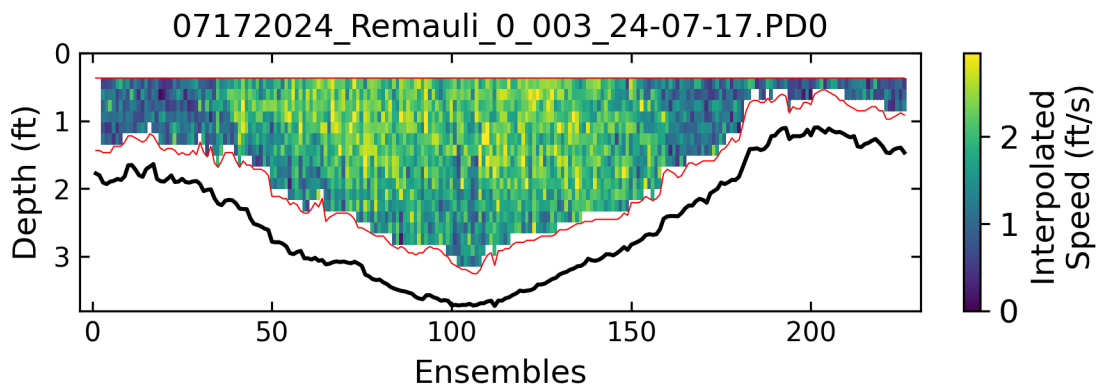
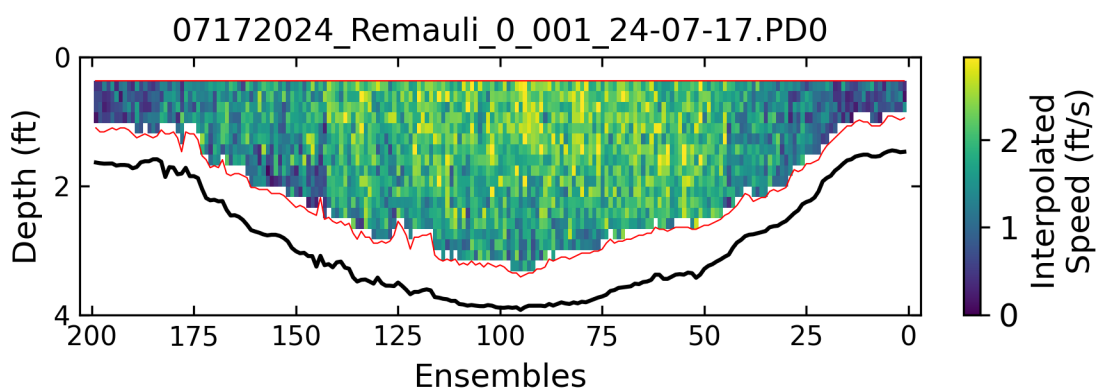
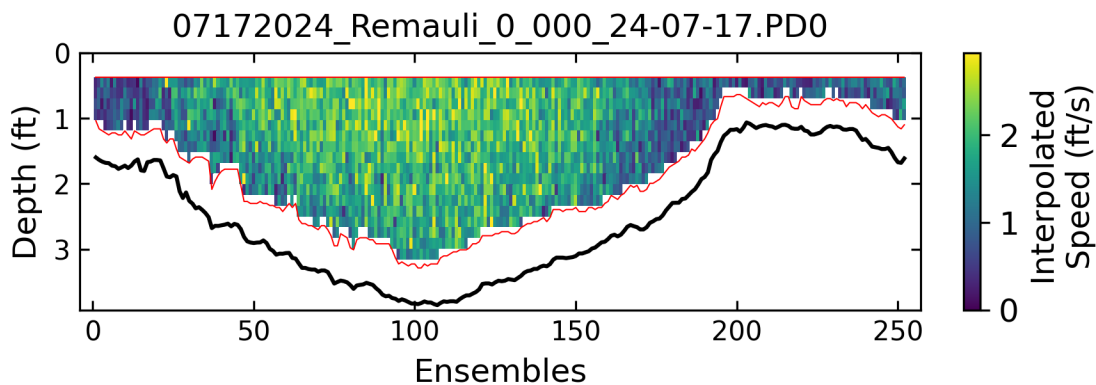
Measurement Number: 0

Discharge: 78.9

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:28:09





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Measurement Date: 2024.07.17

Measurement Number: 0

Discharge: 78.9

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.26 10:28:10

