



QRev Discharge Measurement Report

1 of 5

Station Name: 05312024_Remuali

Station Number:

Measurement Date: 2024.05.31

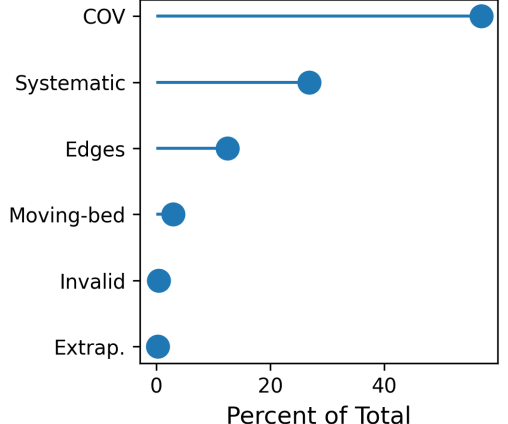
Measurement Number: 0

Discharge: 433.0

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.14 10:51:39

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	433.0	Mean Velocity (ft/s):	2.293
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.769
Version:	4.36	Total Duration (s):	940.8	Mean Depth (ft):	6.654
ADCP		Start Time:	14:07:22	Max. Depth (ft):	8.852
Manufacturer:	TRDI	End Time:	14:20:44	Width (ft):	28.362
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	2.16
Serial Number:	2673	Stage End:	0.00	Area (ft2):	188.707
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	1.97
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.222	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	13.444444	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.8 	
W. Temp. ADCP (C):		Extrap Exponent:	0.2047		
System Test:	Passed	Discharg COV (%):	4.17		
Compass Cal/Eval:	0.14	Top Q (%):	3.52		
Magnetic Variaton:	0.0	Measured Q (%):	75.70		
MovBed Test Type:	Loop	Left Q (%):	3.42		
MovBed Test Quality:	Good	Right Q (%):	3.39		
MovBed Test Dur.(s):	193.9	Bottom Q (%):	13.97		
Max MovBed (%):	0.77	Invalid Cells Q (%):	0.01		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.81		

Automated QA Messages:

WARNINGS

- TEMPERATURE: The difference between ADCP and reference is > 2: 2.6 C;

Cautions

- bt-Int. Q for consecutive invalid ensembles exceeds 3.0%;
- Edges: Excessive boat movement in edge ensembles;
- Temperature: Temperature range is 1.5 degrees C which is greater than 1 degree;
- Transects: ['05312024_Remuali_0_003', '05312024_Remuali_0_004', '05312024_Remuali_0_005'] have battery voltage less than 10.5
- Site Info: Station number not entered;

Comments:

- MMT Remarks:



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Comments:

- [Temp/Sal, 2024-07-14 10:49:51, sarah]: ADCP allowed to equilibrate with reference sonde (Independent) in river for 10 minutes, cannot recitify difference.
- [2024-07-14 10:51:35, sarah]: File Saved Q = 432.73 ft3/s (Uncertainty: 5.8%)

ID	File Name
0	05312024_Remuali_0_000.PD0
1	05312024_Remuali_0_001.PD0
2	05312024_Remuali_0_002.PD0
3	05312024_Remuali_0_003.PD0
4	05312024_Remuali_0_004.PD0
5	05312024_Remuali_0_005.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle Q	Bottom Q	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
						Q (ft3/s)	Q (ft3/s)			
0	Left	14:07:22	14:10:12	170.2	12.8	306.0	56.7	13.7	15.0	404.0
1	Right	14:10:23	14:11:59	96.9	15.9	329.0	63.9	15.8	19.6	444.0
2	Left	14:12:11	14:14:37	145.9	16.0	317.0	54.6	16.5	14.7	419.0
3	Right	14:14:45	14:17:22	157.4	15.0	336.0	63.4	16.2	15.3	446.0
4	Left	14:17:42	14:20:30	168.4	15.2	332.0	58.8	12.1	13.6	432.0
5	Right	14:20:44	14:24:06	202.0	16.6	345.0	65.3	14.5	9.89	451.0
				940.8	15.2	328.0	60.4	14.8	14.7	433.0

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	1.07	10	0.3535	Triangular	1.22	10	0.3535
3	Right	Triangular	1.07	10	0.3535	Triangular	1.22	10	0.3535
4	Left	Triangular	1.07	10	0.3535	Triangular	1.22	10	0.3535
5	Right	Triangular	1.07	10	0.3535	Triangular	1.22	10	0.3535



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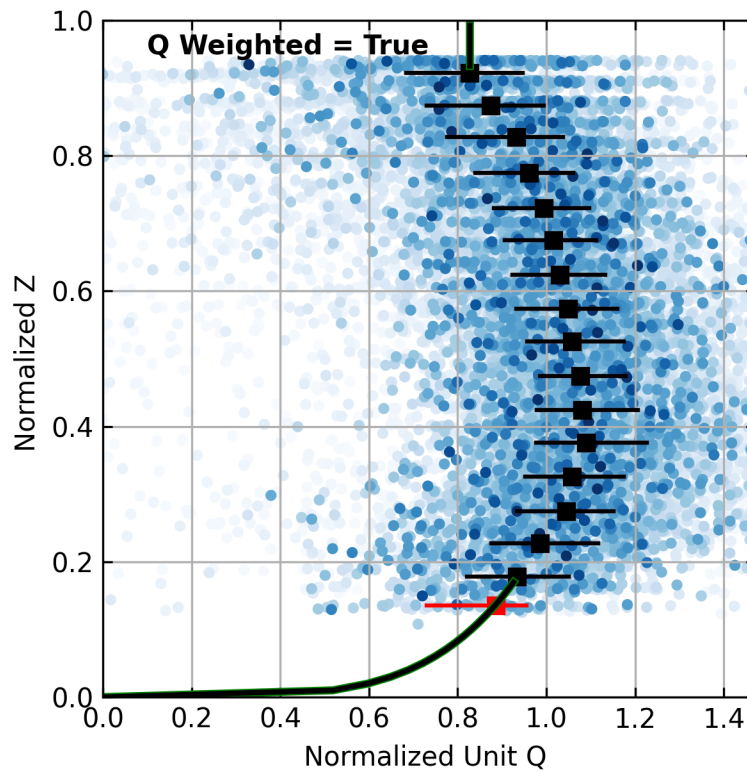
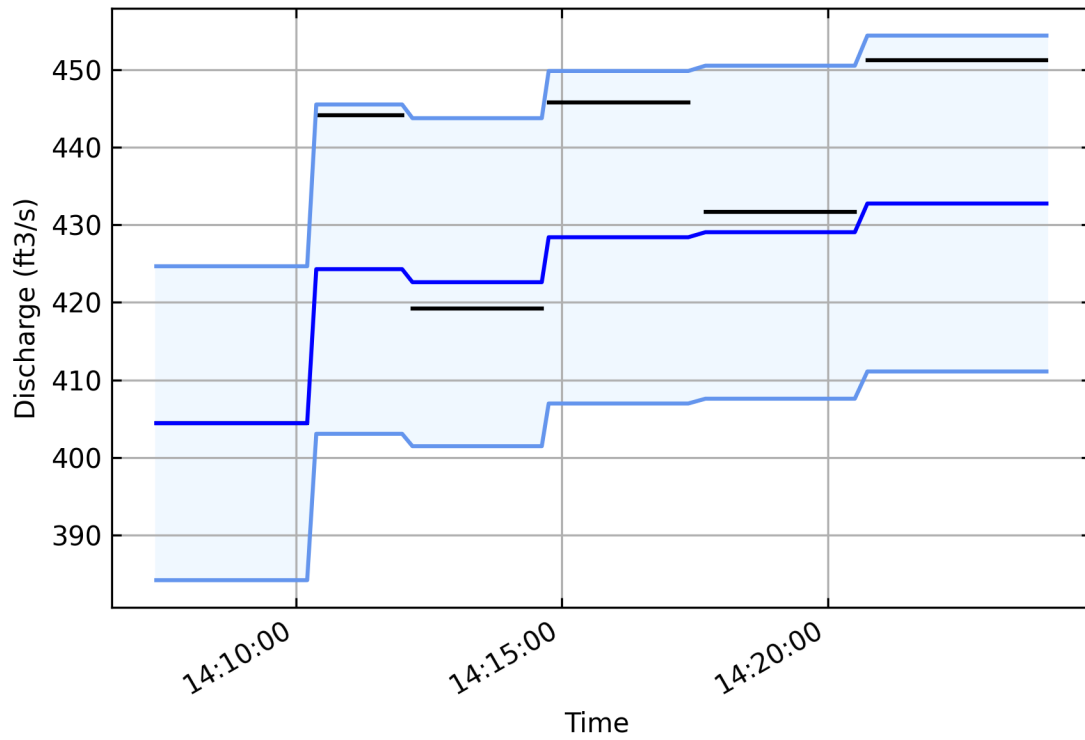
Measurement Number: 0

Discharge: 433.0

Stage: 0.00

User Rating: Not Rated

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Station Name: 05312024_Remuali

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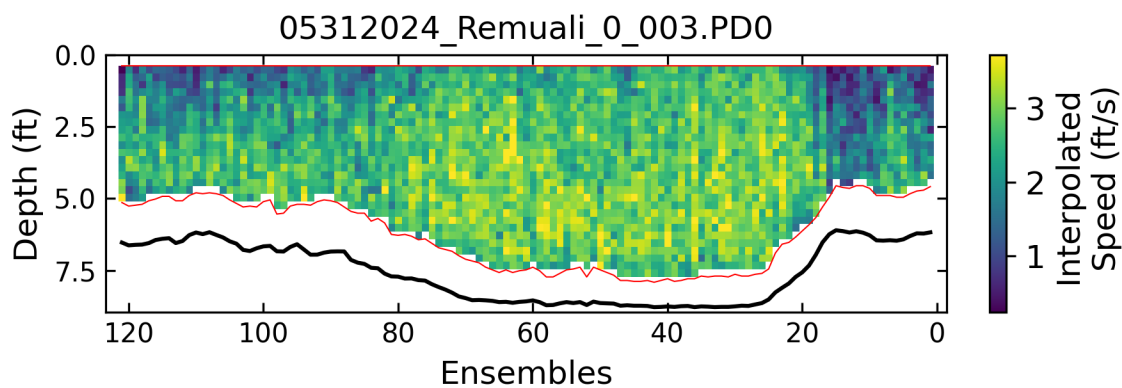
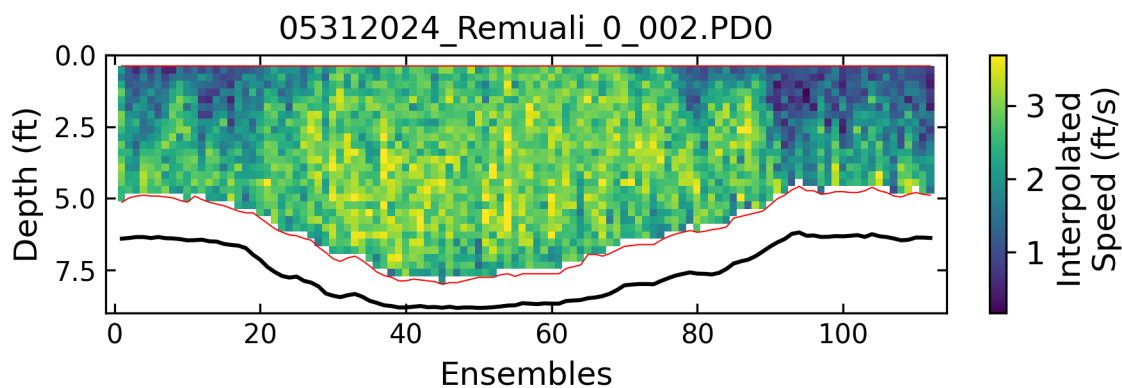
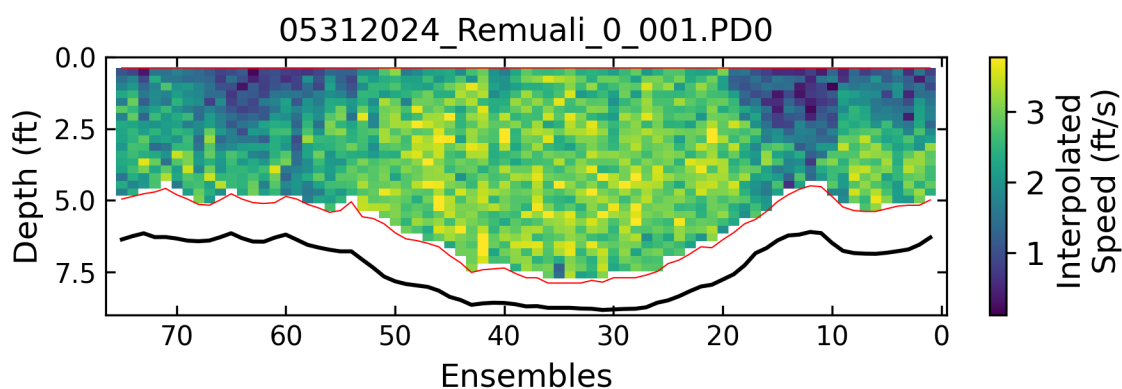
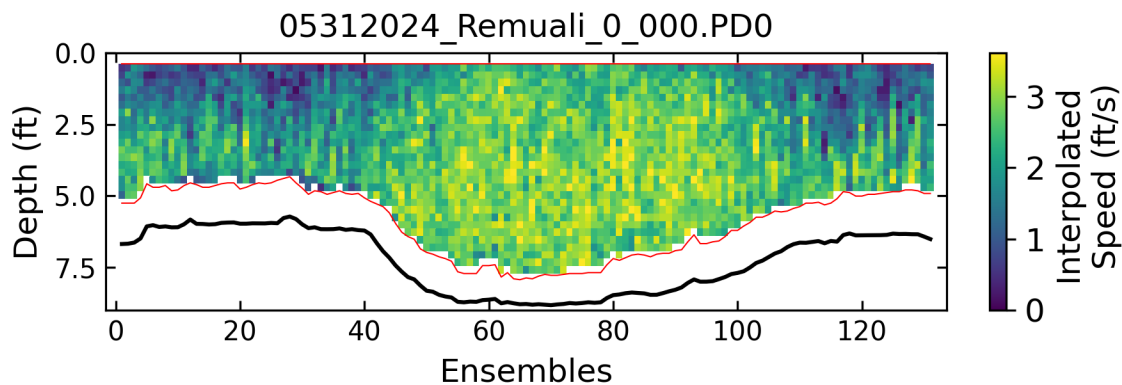
Measurement Number: 0

Discharge: 433.0

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.14 10:51:40





QRev Discharge Measurement Report

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Station Name: 05312024_Remuali

Station Number:

Measurement Date: 2024.05.31

Measurement Number: 0

Discharge: 433.0

Stage: 0.00

User Rating: Not Rated

Processed: 2024.07.14 10:51:40

