



QRev Discharge Measurement Report

1 of 4

Station Name: 04182024_RemauldiBridge

Station Number:

Measurement Date: 2024.04.18

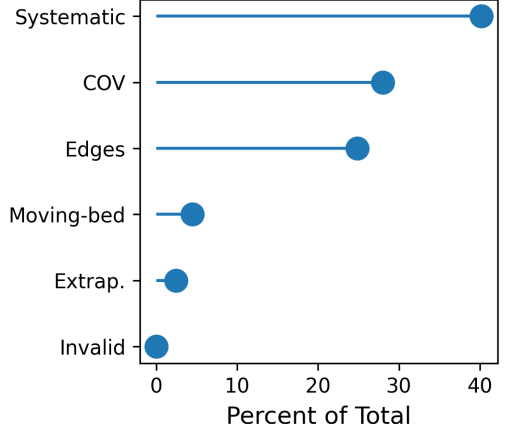
Measurement Number: 0

Discharge: 358.0

Stage: 0.00

User Rating: Not Rated

Processed: 2024.05.04 16:09:28

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	358.0	Mean Velocity (ft/s):	2.142
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.282
Version:	4.36	Total Duration (s):	810.6	Mean Depth (ft):	5.664
ADCP		Start Time:	15:06:08	Max. Depth (ft):	7.773
Manufacturer:	TRDI	End Time:	15:17:35	Width (ft):	29.523
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.44
Serial Number:	2404	Stage End:	0.00	Area (ft2):	167.199
Firmware:	31.17	Mean Stage:	0.00	Area COV (%):	1.47
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.306	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	8.95	Bottom Extrap:	No Slip	95% Total Uncertainty: 4.7 	
W. Temp. ADCP (C):		Extrap Exponent:	0.2254		
System Test:	Passed	Discharg COV (%):	1.57		
Compass Cal/Eval:	1.07	Top Q (%):	6.37		
Magnetic Variaton:	13.5	Measured Q (%):	71.49		
MovBed Test Type:	Loop	Left Q (%):	4.37		
MovBed Test Quality:	Good	Right Q (%):	3.49		
MovBed Test Dur.(s):	251.7	Bottom Q (%):	14.28		
Max MovBed (%):	1.10	Invalid Cells Q (%):	-0.01		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.00		

Automated QA Messages:

WARNINGS

Cautions

- Compass: Evaluation result > 1 deg;
- Edges: Excessive boat movement in edge ensembles;
- Moving-Bed Test: Loop test used but compass calibration is caution
- Temperature: Temperature range is 1.8 degrees C which is greater than 1 degree;
- Transects: ['04182024_RemauldiBridge_0_000_24-04-18', '04182024_RemauldiBridge_0_001_24-04-18', '04182024_RemauldiBridge_0_002_24-04-18', '04182024_RemauldiBridge_0_003_24-04-18'] have battery voltage less than 10.5
- Site Info: Station number not entered;
- Edges: User modified left edge distance.



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Comments:

- MMT Remarks:
- [Main, 2024-05-04 16:05:39, sarah]: Compass calibration metric used <2 degrees. Excessive movement due to small loaner ADCP boat. Temperature metric within 2 degrees C.
- [Main, 2024-05-04 16:07:42, sarah]: No station number for site.
- [2024-05-04 16:09:24, sarah]: File Saved Q = 358.07 ft3/s (Uncertainty: 4.7%)

ID	File Name
0	04182024_RemauldiBridge_0_000_24-04-18.PD0
1	04182024_RemauldiBridge_0_001_24-04-18.PD0
2	04182024_RemauldiBridge_0_002_24-04-18.PD0
3	04182024_RemauldiBridge_0_003_24-04-18.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle	Bottom	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
						Q (ft3/s)	Q (ft3/s)			
0	Left	15:06:08	15:10:20	251.3	21.1	248.0	49.5	16.7	15.2	351.0
1	Right	15:10:36	15:13:31	174.5	23.8	255.0	51.5	15.8	14.1	360.0
2	Left	15:13:50	15:17:24	213.6	22.2	260.0	51.9	14.5	8.04	357.0
3	Right	15:17:35	15:20:26	171.2	24.1	260.0	51.6	15.7	12.7	364.0
					810.6	22.8	256.0	51.1	15.7	358.0

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	1.52	10	0.3535	Triangular	1.22	10	0.3535
1	Right	Triangular	1.52	10	0.3535	Triangular	1.22	10	0.3535
2	Left	Triangular	1.52	10	0.3535	Triangular	1.22	10	0.3535
3	Right	Triangular	1.52	10	0.3535	Triangular	1.22	10	0.3535



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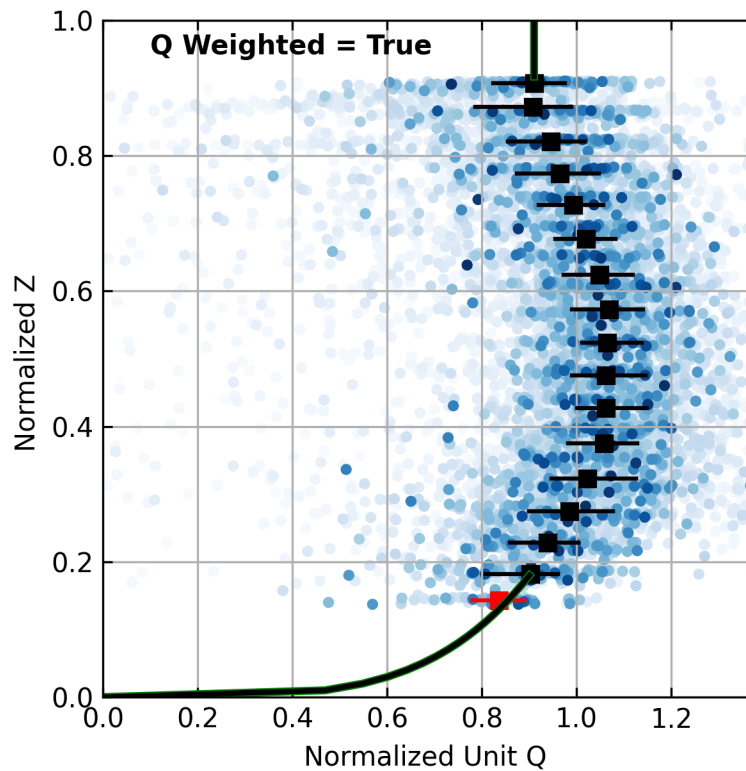
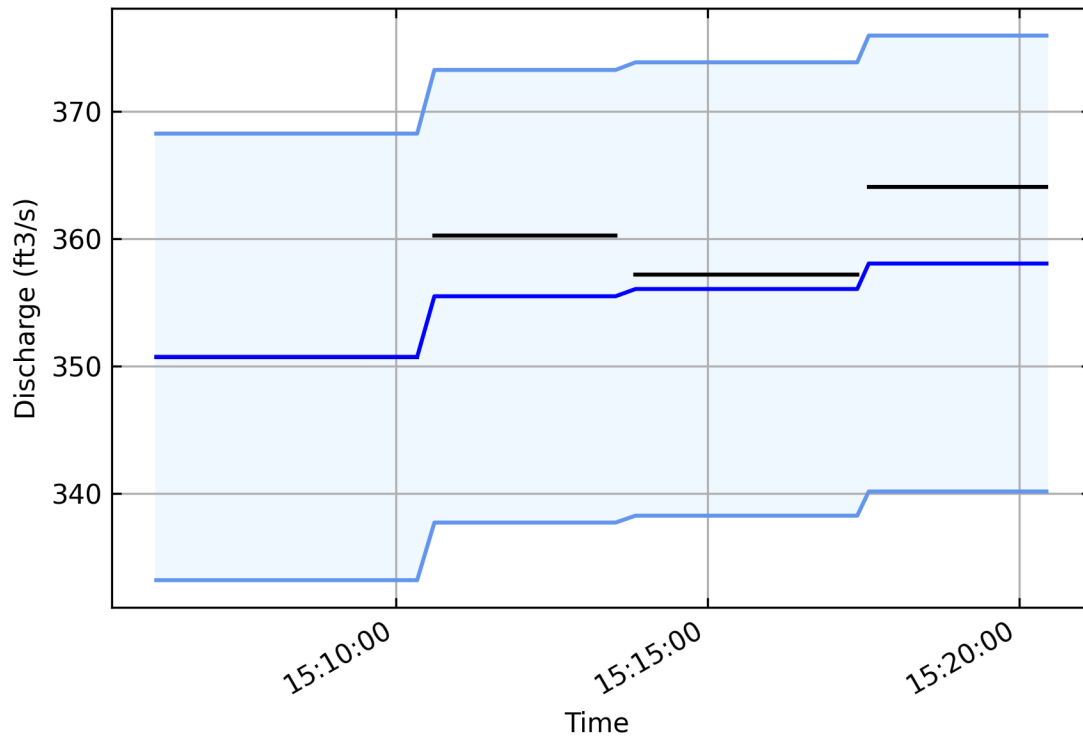
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