



QRev Discharge Measurement Report

1 of 4

Station Name: 06282024_Remauli

Station Number:

Measurement Date: 2024.06.28

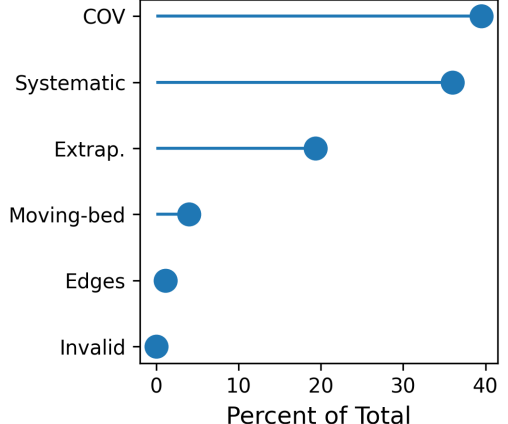
Measurement Number: 0

Discharge: 125.63

Stage: 0.00

User Rating: Not Rated

Processed: 2024.08.08 08:16:48

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	125.63	Mean Velocity (ft/s):	1.863
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.476
Version:	4.37	Total Duration (s):	848.4	Mean Depth (ft):	2.729
ADCP		Start Time:	14:19:04	Max. Depth (ft):	4.175
Manufacturer:	TRDI	End Time:	14:32:50	Width (ft):	24.709
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.84
Serial Number:	2673	Stage End:	0.00	Area (ft2):	67.442
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	1.97
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.134	Uncertainty	
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev	
W. Temp. (C):	20.838889	Bottom Extrap:	No Slip	95% Total Uncertainty: 5.0 	
W. Temp. ADCP (C):		Extrap Exponent:	0.3293		
System Test:	Passed	Discharg COV (%):	1.97		
Compass Cal/Eval:	1.13	Top Q (%):	12.01		
Magnetic Variaton:	13.5	Measured Q (%):	71.68		
MovBed Test Type:	Loop	Left Q (%):	0.97		
MovBed Test Quality:	Good	Right Q (%):	0.81		
MovBed Test Dur.(s):	232.8	Bottom Q (%):	14.53		
Max MovBed (%):	0.28	Invalid Cells Q (%):	0.07		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.28		

Automated QA Messages:

WARNINGS

Cautions

- Compass: Evaluation result > 1 deg;
- Extrapolation: The extrapolation uncertainty is more than 2 percent;
- Carefully review the extrapolation;
- Moving-Bed Test: Loop test used but compass calibration is caution
- Site Info: Station number not entered;
- Extrapolation: User modified default automatic setting.

Comments:

- MMT Remarks:
- [Compass/P/R, 2024-08-08 08:13:50, sarah]: Using compass calibration metric of less than two degrees.
- [Extrap, 2024-08-08 08:14:52, sarah]: Automated extrapolation chosen best fit.



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Measurement Number: 0

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User Rating: Not Rated

Processed: 2024.08.08 08:16:48

Comments:

- [Main, 2024-08-08 08:15:32, sarah]: Moving bed test caution due to compass calibration greater than one degree, this is fine due to using less than two degree metric for measurement.
- [Main, 2024-08-08 08:16:28, sarah]: No station number for this location.
- [2024-08-08 08:16:44, sarah]: File Saved Q = 125.63 ft³/s (Uncertainty: 5.0%)

ID	File Name
0	06282024_Remauli_0_000_24-06-28.PD0
1	06282024_Remauli_0_001_24-06-28.PD0
4	06282024_Remauli_0_004_24-06-28.PD0
5	06282024_Remauli_0_005_24-06-28.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft ³ /s)	Middle	Bottom	Left Q (ft ³ /s)	Right Q (ft ³ /s)	Total Q (ft ³ /s)
						Q (ft ³ /s)	Q (ft ³ /s)			
0	Left	14:19:04	14:22:16	191.6	13.99	90.81	17.17	1.22	1.24	124.43
1	Right	14:22:28	14:26:05	216.4	14.68	91.96	18.04	1.28	0.93	126.9
4	Left	14:29:09	14:32:43	214.5	15.2	85.43	19.77	1.28	1.15	122.83
5	Right	14:32:50	14:36:36	225.9	16.51	92.0	18.04	1.09	0.74	128.38
				848.4	15.09	90.05	18.25	1.22	1.02	125.63

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	2.00	10	0.3535	Triangular	2.00	10	0.3535
1	Right	Triangular	2.00	10	0.3535	Triangular	2.00	10	0.3535
4	Left	Triangular	2.00	10	0.3535	Triangular	2.00	10	0.3535
5	Right	Triangular	2.00	10	0.3535	Triangular	2.00	10	0.3535



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Measurement Date: 2024.06.28

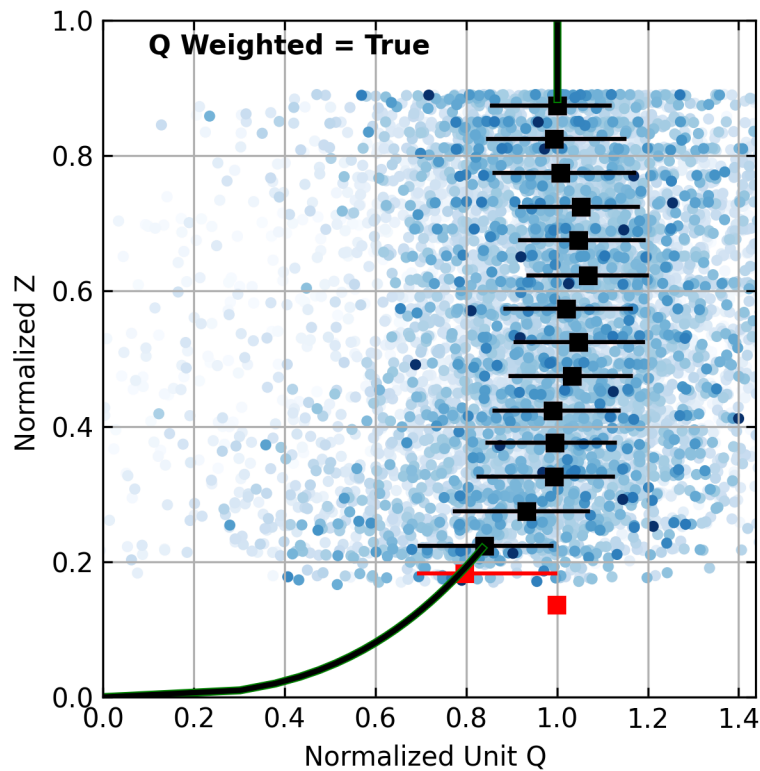
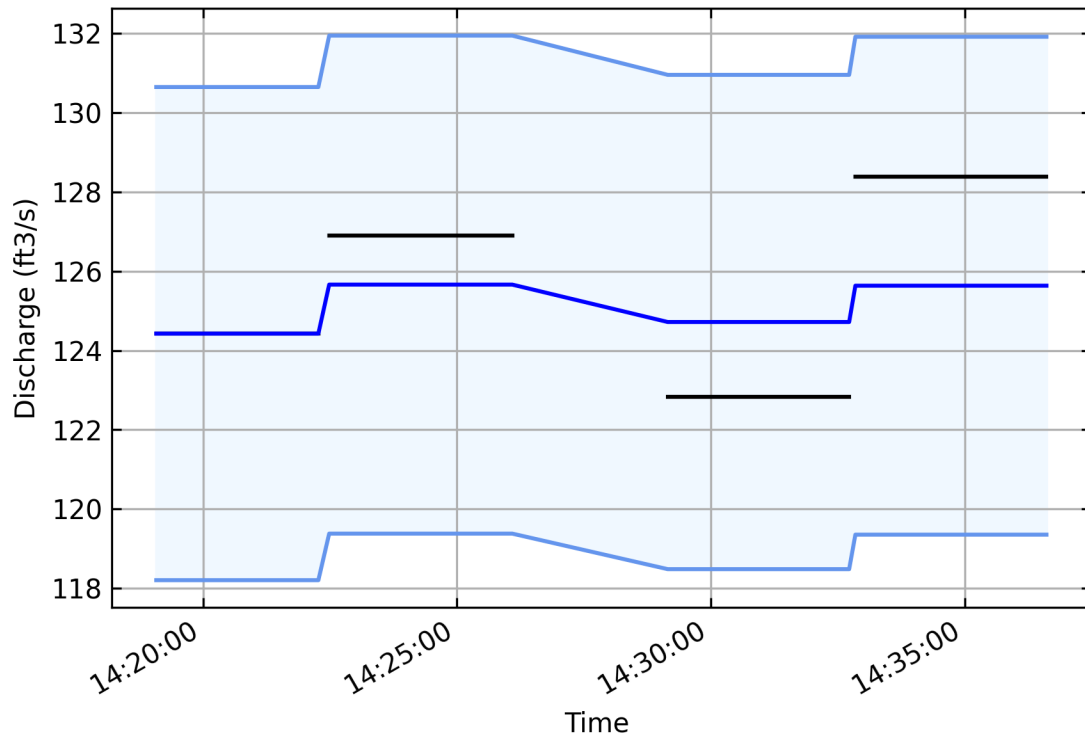
Measurement Number: 0

Discharge: 125.63

Stage: 0.00

User Rating: Not Rated

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