



QRev Discharge Measurement Report

1 of 4

Station Name: 03262024_Page_Springs_Bridge_Training

Station Number: None

Measurement Date: 2024.03.26

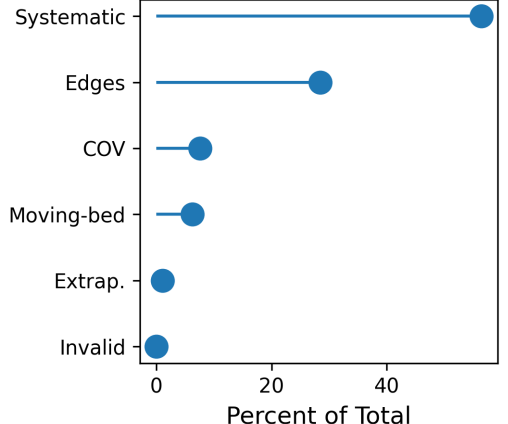
Measurement Number: 0

Discharge: 141.0

Stage: 0.00

User Rating: Not Rated

Processed: 2024.05.04 14:35:26

Field Crew:		Discharge Summary		Cross Section	
Processed By:	sarah	Discharge (ft3/s):	141.0	Mean Velocity (ft/s):	2.118
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.912
Version:	4.36	Total Duration (s):	921.8	Mean Depth (ft):	1.313
ADCP		Start Time:	12:34:35	Max. Depth (ft):	1.952
Manufacturer:	TRDI	End Time:	12:48:40	Width (ft):	50.708
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.91
Serial Number:	885	Stage End:	0.00	Area (ft2):	66.589
Firmware:	31.16	Mean Stage:	0.00	Area COV (%):	1.23
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.207	Uncertainty	
Premeasurement		Top Extrap:	Power	Uncertainty Method: QRev	
W. Temp. (C):	5.1	Bottom Extrap:	Power	95% Total Uncertainty: 4.0 	
W. Temp. ADCP (C):		Extrap Exponent:	0.2807		
System Test:	Passed	Discharg COV (%):	0.69		
Compass Cal/Eval:	1.48	Top Q (%):	31.68		
Magnetic Variaton:	13.5	Measured Q (%):	46.86		
MovBed Test Type:	Loop	Left Q (%):	0.77		
MovBed Test Quality:	Good	Right Q (%):	6.34		
MovBed Test Dur.(s):	246.8	Bottom Q (%):	14.36		
Max MovBed (%):	0.38	Invalid Cells Q (%):	0.03		
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.45		

Automated QA Messages:

WARNINGS

- Edges: Edge Q is greater than 5%;

Cautions

- Compass: Evaluation result > 1 deg;
- 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:
- [Main, 2024-03-27 16:07:21, ADCPH]: All error warnings inherent to nature of measurement, all due to compass cal.
- [Main, 2024-03-27 16:08:56, ADCPH]: No site number needed, not USGS



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- Comments:
- [2024-03-27 16:10:44, ADCPH]: File Saved Q = 3.99 m3/s (Uncertainty: 4.0%)
 - [2024-05-04 14:35:22, sarah]: File Saved Q = 141.03 ft3/s (Uncertainty: 4.0%)

ID	File Name
0	Paige_Springs_0_000_24-03-26.PD0
1	Paige_Springs_0_001_24-03-26.PD0
2	Paige_Springs_0_002_24-03-26.PD0
3	Paige_Springs_0_003_24-03-26.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	12:34:35	12:37:52	197.9	44.2	66.7	20.4	2.06	8.6	142.0
1	Right	12:38:25	12:42:32	247.7	44.6	65.9	19.9	0.064	9.24	140.0
2	Left	12:44:42	12:48:09	207.2	45.1	65.8	20.3	0.731	8.92	141.0
3	Right	12:48:40	12:53:09	269.0	44.7	66.0	20.5	1.5	8.98	142.0
				921.8	44.7	66.1	20.2	1.09	8.93	141.0

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	1.00	10	0.3535	Triangular	2.70	10	0.3535
1	Right	Triangular	1.00	10	0.3535	Triangular	2.70	10	0.3535
2	Left	Triangular	1.00	10	0.3535	Triangular	3.05	10	0.3535
3	Right	Triangular	1.00	10	0.3535	Triangular	3.05	10	0.3535



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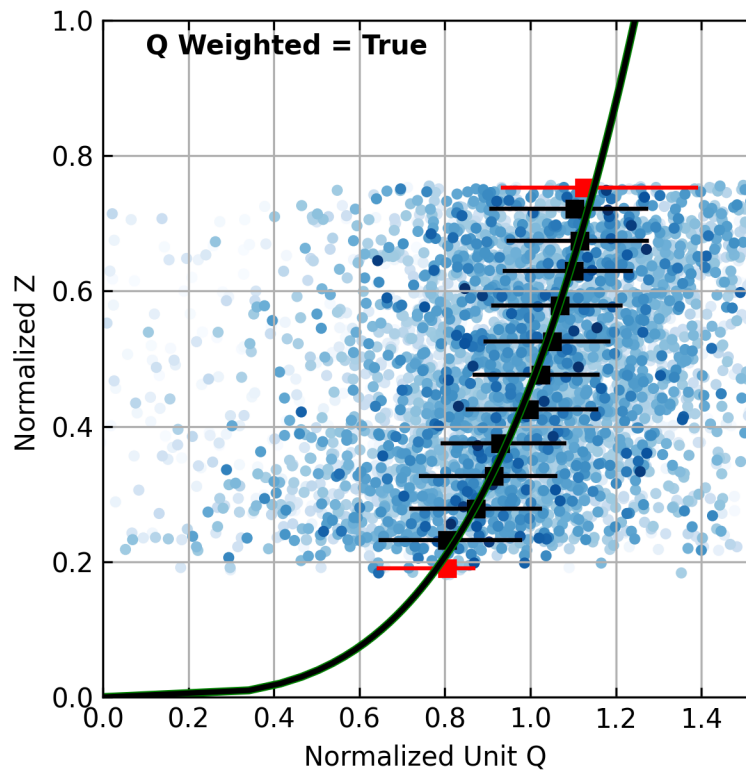
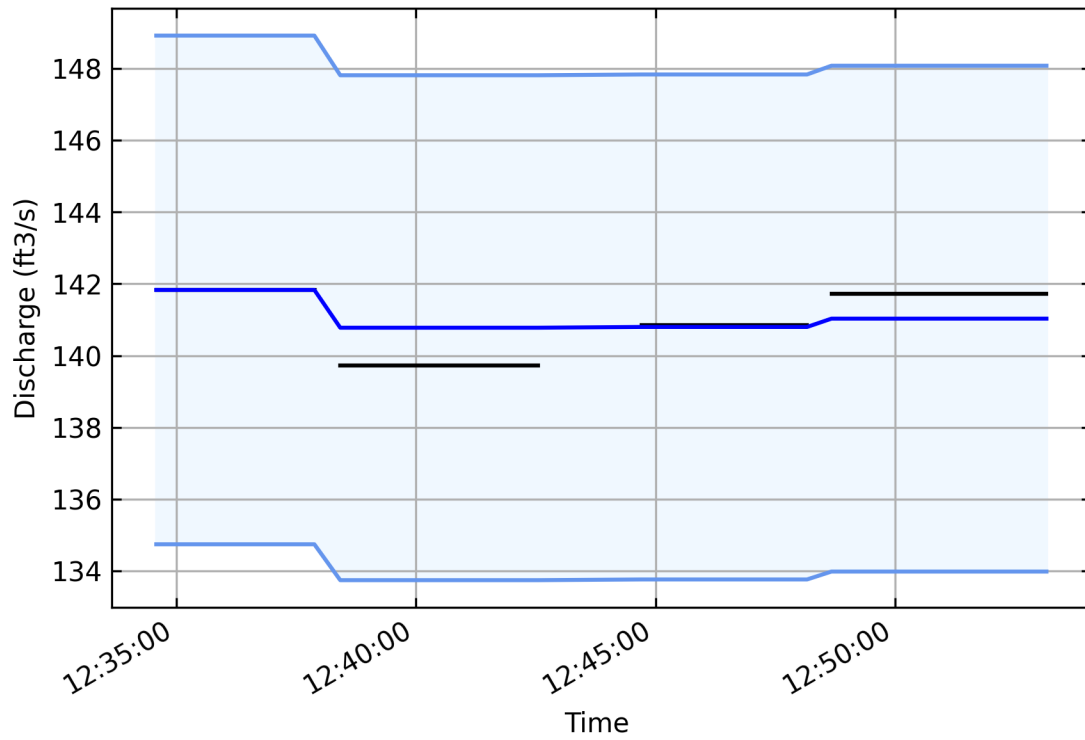
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