



QRev Discharge Measurement Report

1 of 4

Station Name: 08152024_Diamond

Station Number:

Measurement Date: 2024.08.15

Measurement Number: 0

Discharge: 50.65

Stage: 0.00

User Rating: Not Rated

Processed: 2024.08.18 09:50:06

Field Crew:		Discharge Summary		Cross Section															
Processed By:	sarah	Discharge (ft3/s):	50.65	Mean Velocity (ft/s):	1.131														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	2.842														
Version:	4.37	Total Duration (s):	952.4	Mean Depth (ft):	1.619														
ADCP		Start Time:	11:26:00	Max. Depth (ft):	2.313														
Manufacturer:	TRDI	End Time:	11:38:43	Width (ft):	27.670														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	1.91														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	44.795														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.13														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.123	Uncertainty															
Premeasurement		Top Extrap:	Constant	Uncertainty Method: QRev															
W. Temp. (C):	18.05	Bottom Extrap:	No Slip	95% Total Uncertainty: 6.2 <table><caption>Uncertainty Components</caption><tr><th>Component</th><th>Percent of Total</th></tr><tr><td>COV</td><td>~65%</td></tr><tr><td>Systematic</td><td>~25%</td></tr><tr><td>Edges</td><td>0%</td></tr><tr><td>Moving-bed</td><td>0%</td></tr><tr><td>Extrap.</td><td>0%</td></tr><tr><td>Invalid</td><td>0%</td></tr></table>		Component	Percent of Total	COV	~65%	Systematic	~25%	Edges	0%	Moving-bed	0%	Extrap.	0%	Invalid	0%
Component	Percent of Total																		
COV	~65%																		
Systematic	~25%																		
Edges	0%																		
Moving-bed	0%																		
Extrap.	0%																		
Invalid	0%																		
W. Temp. ADCP (C):		Extrap Exponent:	0.1667																
System Test:	Passed	Discharg COV (%):	3.27																
Compass Cal/Eval:	0.73	Top Q (%):	26.05																
Magnetic Variaton:	13.5	Measured Q (%):	51.70																
MovBed Test Type:	Loop	Left Q (%):	2.94																
MovBed Test Quality:	Good	Right Q (%):	0.51																
MovBed Test Dur.(s):	276.7	Bottom Q (%):	18.80																
Max MovBed (%):	0.53	Invalid Cells Q (%):	0.09																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	1.88																

Automated QA Messages:

WARNINGS

Cautions

- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2024-08-18 09:47:16, sarah]: During measurement wind picked up and caused some unintentional boat movement but not significantly. No station number for this site.
- [2024-08-18 09:50:02, sarah]: File Saved Q = 50.65 ft3/s (Uncertainty: 6.2%)

ID	File Name
0	08152024_Diamond_0_000_24-08-15.PD0
1	08152024_Diamond_0_001_24-08-15.PD0



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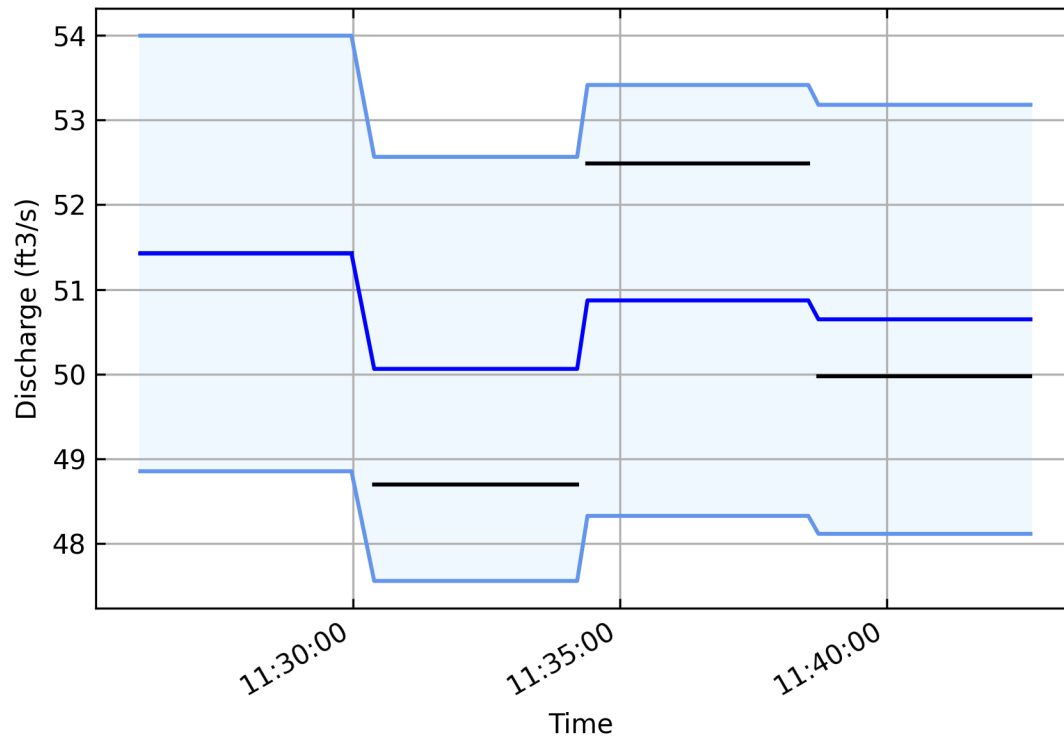
User Rating: Not Rated

Processed: 2024.08.18 09:50:06

ID	File Name
2	08152024_Diamond_0_002_24-08-15.PD0
3	08152024_Diamond_0_003_24-08-15.PD0

Transect ID	Start Edge	Start Time	End Time	Duration (sec)	Top Q (ft3/s)	Middle Q (ft3/s)	Bottom Q (ft3/s)	Left Q (ft3/s)	Right Q (ft3/s)	Total Q (ft3/s)
0	Left	11:26:00	11:29:58	237.5	13.2	26.07	10.56	1.26	0.33	51.42
1	Right	11:30:23	11:34:12	228.2	12.88	25.74	8.3	1.69	0.1	48.7
2	Left	11:34:23	11:38:32	248.3	13.47	26.73	10.24	1.72	0.33	52.49
3	Right	11:38:43	11:42:41	238.4	13.22	26.19	9.0	1.29	0.27	49.98
				952.4	13.19	26.18	9.52	1.49	0.26	50.65

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	2.00	10	0.3535
1	Right	Triangular	3.00	10	0.3535	Triangular	2.00	10	0.3535
2	Left	Triangular	3.00	10	0.3535	Triangular	2.00	10	0.3535
3	Right	Triangular	3.00	10	0.3535	Triangular	2.00	10	0.3535





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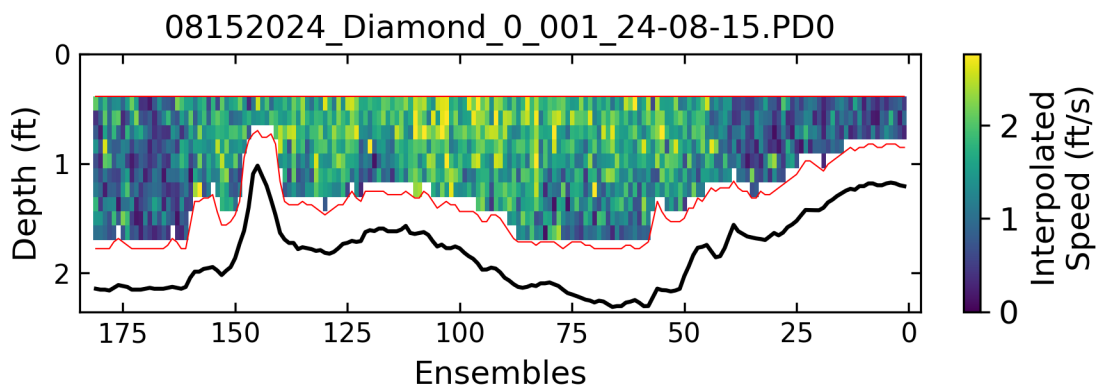
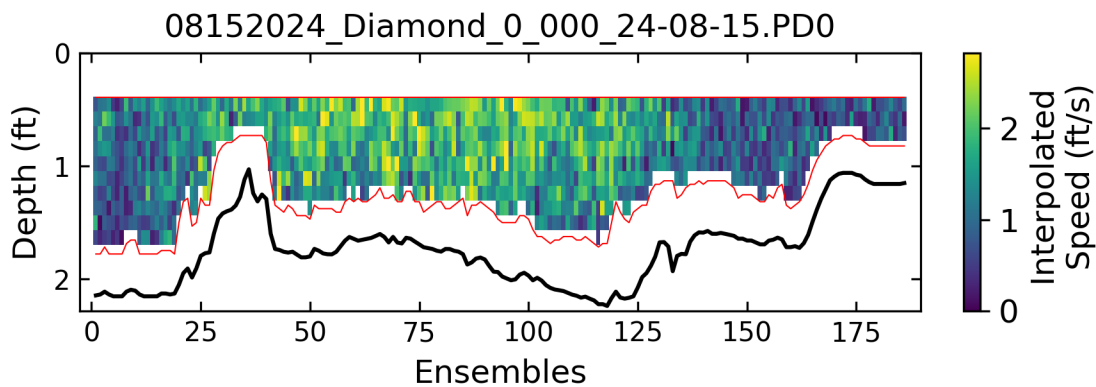
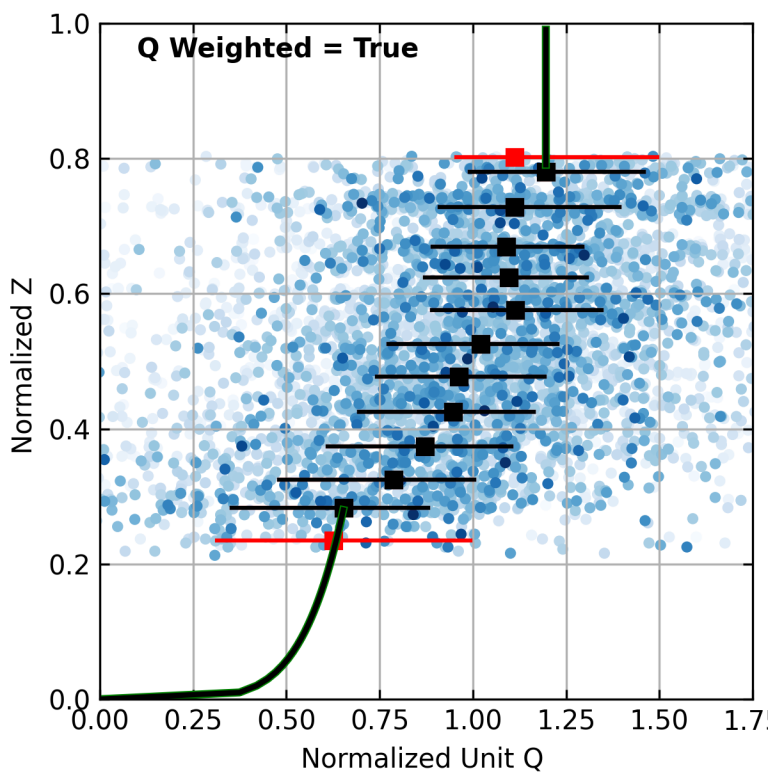
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