



QRev Discharge Measurement Report

1 of 4

Station Name: 09092025_S3Diamond

Station Number:

Measurement Date: 2025.09.09

Measurement Number: 0

Discharge: 61.37

Stage: 0.00

User Rating: Not Rated

Processed: 2025.09.18 11:26:50

Field Crew:		Discharge Summary		Cross Section															
Processed By:	ADCPH	Discharge (ft3/s):	61.37	Mean Velocity (ft/s):	1.147														
Software:	QRev	Navigation Ref.:	bt_vel	Max. Velocity (ft/s):	3.080														
Version:	4.37	Total Duration (s):	845.2	Mean Depth (ft):	1.954														
ADCP		Start Time:	13:22:07	Max. Depth (ft):	2.726														
Manufacturer:	TRDI	End Time:	13:42:23	Width (ft):	27.409														
Model:	StreamPro	Stage Start:	0.00	Width COV (%):	4.08														
Serial Number:	2673	Stage End:	0.00	Area (ft2):	53.512														
Firmware:	31.19	Mean Stage:	0.00	Area COV (%):	2.05														
Frequency (kHz):	2000	Mean Boat Speed (ft/s):	0.136	Uncertainty															
Premeasurement		Top Extrap:	Power	Uncertainty Method: QRev															
W. Temp. (C):	18.966667	Bottom Extrap:	Power	95% Total Uncertainty: 4.9 <table><caption>Uncertainty Components</caption><thead><tr><th>Component</th><th>Value (%)</th></tr></thead><tbody><tr><td>COV</td><td>4.9</td></tr><tr><td>Systematic</td><td>3.8</td></tr><tr><td>Extrap.</td><td>1.2</td></tr><tr><td>Moving-bed</td><td>0.5</td></tr><tr><td>Edges</td><td>0.2</td></tr><tr><td>Invalid</td><td>0.1</td></tr></tbody></table>		Component	Value (%)	COV	4.9	Systematic	3.8	Extrap.	1.2	Moving-bed	0.5	Edges	0.2	Invalid	0.1
Component	Value (%)																		
COV	4.9																		
Systematic	3.8																		
Extrap.	1.2																		
Moving-bed	0.5																		
Edges	0.2																		
Invalid	0.1																		
W. Temp. ADCP (C):		Extrap Exponent:	0.4314																
System Test:	Passed	Discharg COV (%):	2.05																
Compass Cal/Eval:	0.80	Top Q (%):	25.60																
Magnetic Variaton:	13.5	Measured Q (%):	58.37																
MovBed Test Type:	Loop	Left Q (%):	1.50																
MovBed Test Quality:	Good	Right Q (%):	-0.15																
MovBed Test Dur.(s):	231.8	Bottom Q (%):	14.68																
Max MovBed (%):	0.45	Invalid Cells Q (%):	0.02																
Q Correction (%):	0.00	Invalid Ensembles Q (%):	0.74																

Automated QA Messages:

WARNINGS

Cautions

- Site Info: Station number not entered;

Comments:

- MMT Remarks:
- [Main, 2025-09-18 11:24:28, ADCPH]: There is no station number for this site. Channel right side slow water again causing problematic boat movement. Multiple transects redone to achieve decent boat movement through this section. No other issues outside of this. Measurement conditions were partly cloudy and warm (70s-80s F), with some wind.
- [2025-09-18 11:26:45, ADCPH]: File Saved Q = 61.37 ft3/s (Uncertainty: 4.9%)

ID File Name

0 09092025_S3Diamond_0_000_25-09-09.PD0



QRev Discharge Measurement Report

2 of 4

Station Name: 09092025_S3Diamond

Station Number:

Measurement Date: 2025.09.09

Measurement Number: 0

Discharge: 61.37

Stage: 0.00

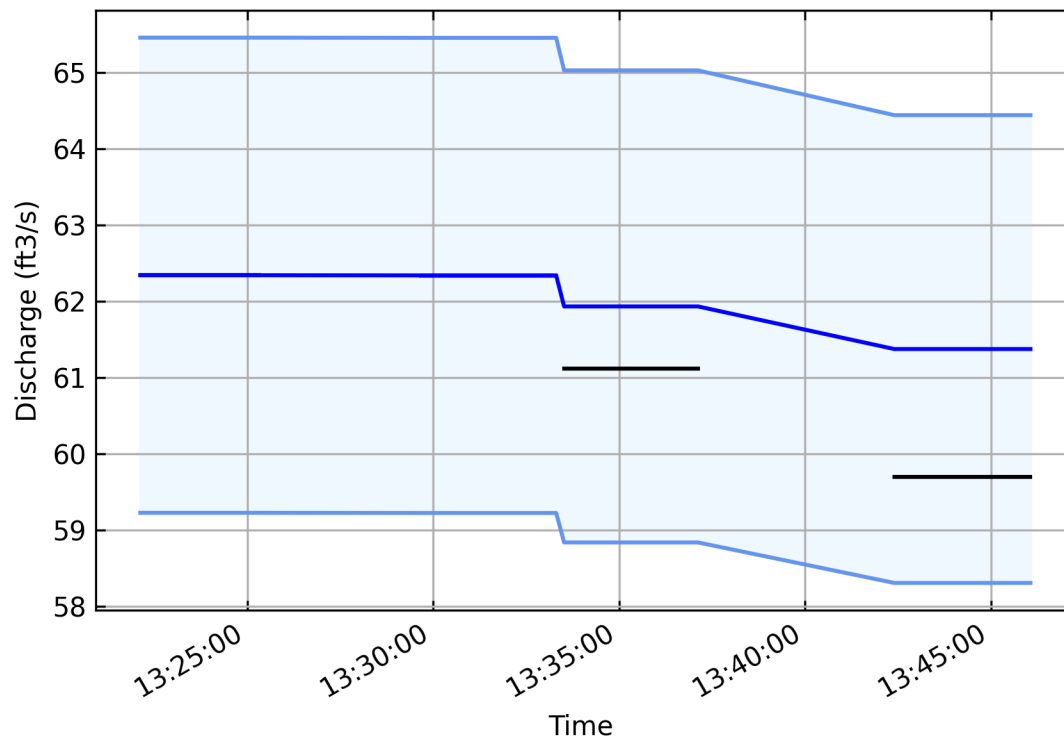
User Rating: Not Rated

Processed: 2025.09.18 11:26:50

ID	File Name
1	09092025_S3Diamond_0_002_25-09-09.PD0
2	09092025_S3Diamond_0_003_25-09-09.PD0
4	09092025_S3Diamond_0_006_25-09-09.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	13:22:07	13:25:19	191.8	15.7	36.88	8.97	0.96	-0.16	62.34
1	Right	13:29:40	13:33:18	217.8	15.79	36.03	9.09	0.98	0.45	62.34
2	Left	13:33:31	13:37:07	215.9	15.73	35.71	9.17	0.94	-0.43	61.12
4	Right	13:42:23	13:46:03	219.7	15.63	34.69	8.8	0.81	-0.23	59.7
				845.2	15.71	35.83	9.01	0.92	-0.09	61.37

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	1.50	10	0.3535	Triangular	2.50	10	0.3535
1	Right	Triangular	1.50	10	0.3535	Triangular	2.50	10	0.3535
2	Left	Triangular	1.50	10	0.3535	Triangular	2.50	10	0.3535
4	Right	Triangular	1.50	10	0.3535	Triangular	2.50	10	0.3535





QRev Discharge Measurement Report

3 of 4

Station Name: 09092025_S3Diamond

Station Number:

Measurement Date: 2025.09.09

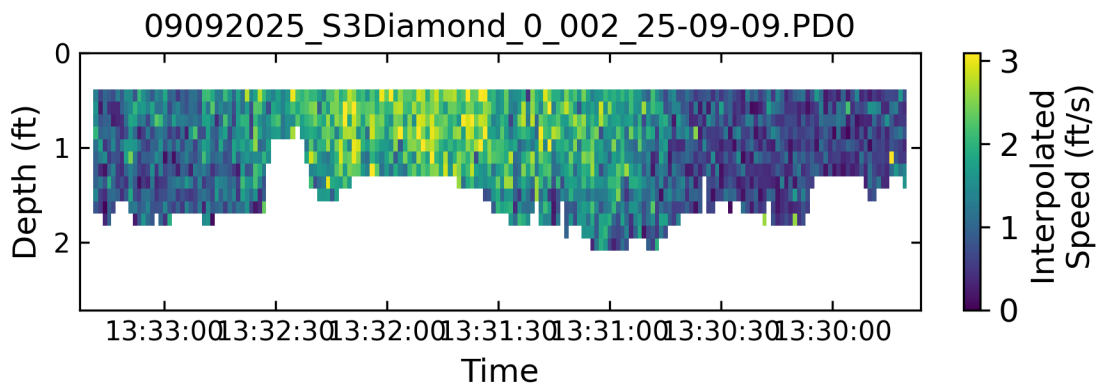
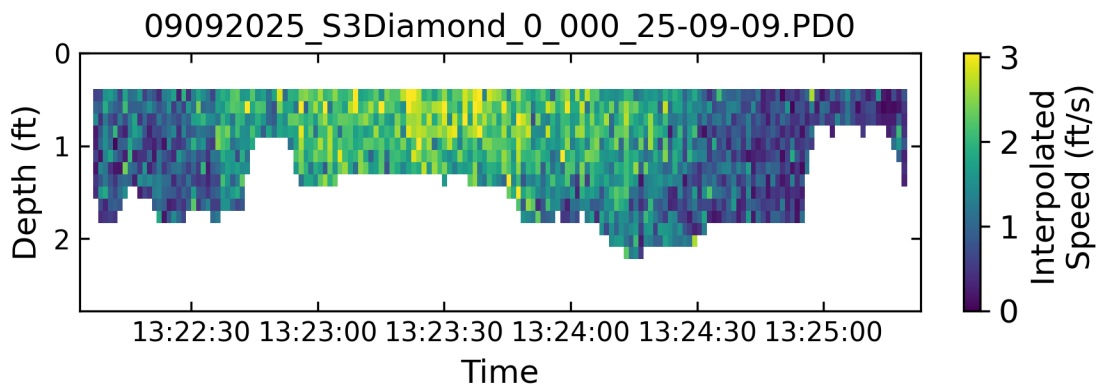
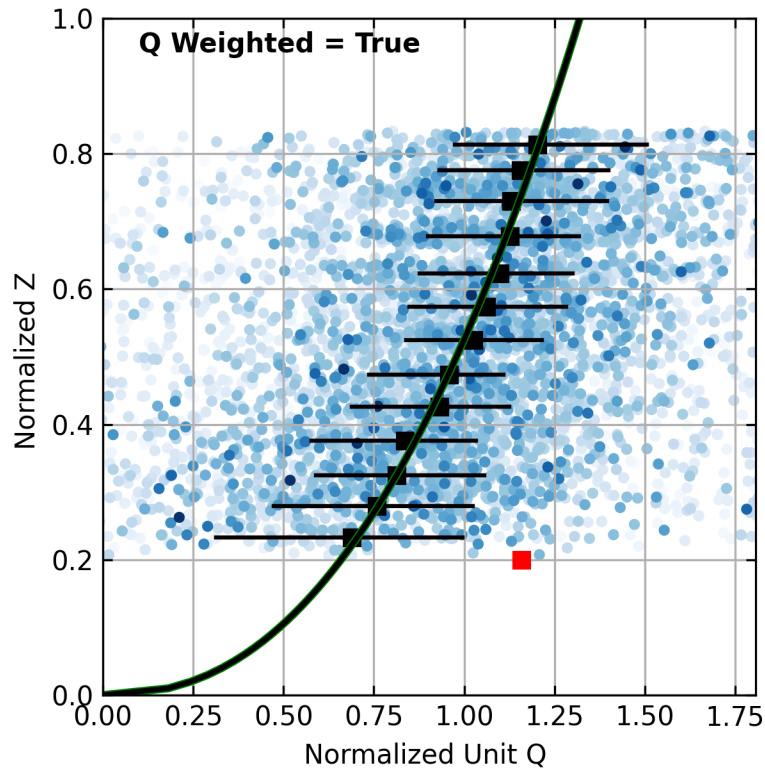
Measurement Number: 0

Discharge: 61.37

Stage: 0.00

User Rating: Not Rated

Processed: 2025.09.18 11:26:50





QRev Discharge Measurement Report

4 of 4

Station Name: 09092025_S3Diamond

Station Number:

Measurement Date: 2025.09.09

Measurement Number: 0

Discharge: 61.37

Stage: 0.00

User Rating: Not Rated

Processed: 2025.09.18 11:26:51

