

Station Number:

Meas. No:

Station Name: Inflow/Outflow 1

Date: 05/15/2011

Party: BB,CR

Width: 1,390 ft

Processed by: BB

Boat/Motor: wooldridge

Area: 13,400 ft²

Mean Velocity: 6.46 ft/s

Gage Height: 0.00 ft

G.H.Change: 0.000 ft

Discharge: 86,300 ft³/s

Area Method: Avg. Course

ADCP Depth: 1.600 ft

Index Vel.: 0.00 ft/s

Rating No.: 1

Nav. Method: DGPS

Shore Ens.:10

Adj.Mean Vel: 0.00 ft/s

Qm Rating: P

MagVar Method: None (-1.4°)

Bottom Est: Power (0.1667)

Rated Area: 0.000 ft²

Diff.: 0.000%

Depth Sounder: Not Used

Top Est: Power (0.1667)

Control1: Unspecified

Control2: Unspecified

Control3: Unspecified

Screening Thresholds:

BT 3-Beam Solution: YES

Max. Vel.: 12.3 ft/s

ADCP:

WT 3-Beam Solution: NO

Max. Depth: 12.0 ft

Type/Freq.: Rio Grande/1200 kHz

BT Error Vel.: 0.33 ft/s*

Mean Depth: 9.61 ft

Serial #: 2339

Firmware: 10.16

WT Error Vel.: 3.50 ft/s

% Meas.: 50.82

Bin Size: 25 cm

Blank: 25 cm

BT Up Vel.: 1.00 ft/s

Water Temp.: None

BT Mode: 5

BT Pings: 1

WT Up Vel.: 10.00 ft/s

ADCP Temp.: 17.9 °C

WT Mode: 12

WT Pings: 1

Use Weighted Mean Depth: YES

WV : 254

WO : 1, 7

Performed Diag. Test: YES

Project Name: breachinflow5.mmt

Performed Moving Bed Test: YES

Software: 2.07

Performed Compass Test: YES

Meas. Location: at breach

Tr.#		Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad	
		L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins
000	R	110	72	812	31245	45345	12903	-205	-53.7	89235	1396	13404	09:33	09:40	5.40	6.66	1	1
001	L	110	76	801	29091	42405	12184	-170	-58.5	83451	1387	13323	09:40	09:46	5.53	6.26	0	1
Mean		110	74	806	30168	43875	12543	-188	-56.1	86343	1391	13364	Total	00:13	5.47	6.46	1	1
SDev		0	3	8	1523	2079	509	24.6	3.37	4090	6.7	57.2			0.09	0.28		
SD/M		0.00	0.04	0.01	0.05	0.05	0.04	0.13	0.06	0.05	0.00	0.00			0.02	0.04		

Remarks:

* value not consistent for all transects

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Meas. No:

Station Name: Inflow/Outflow 1

Date: 05/15/2011

Party: BB,CR

Width: 1,390 ft

Processed by: BB

Boat/Motor: wooldridge

Area: 13,300 ft²Mean Velocity: ~~5.68~~ ft/s **6.55**

Gage Height: 0.00 ft

G.H.Change: 0.000 ft

Discharge: ~~75,300~~ ft³/s **87,073**

Area Method: Avg. Course

ADCP Depth: 1.600 ft

Index Vel.: 0.00 ft/s

Rating No.: 1

Nav. Method: Bottom Track *Loop corrected*

Shore Ens.: 10

Adj. Mean Vel: 0.00 ft/s

Qm Rating: P

MagVar Method: None (-1.4°)

Bottom Est: Power (0.1667)

Rated Area: 0.000 ft²

Diff.: 0.000%

Depth Sounder: Not Used

Top Est: Power (0.1667)

Control1: Unspecified

Control2: Unspecified

Control3: Unspecified

Screening Thresholds:

BT 3-Beam Solution: YES

Max. Vel.: 10.3 ft/s

WT 3-Beam Solution: NO

Max. Depth: 12.0 ft

BT Error Vel.: 0.33 ft/s*

Mean Depth: 9.61 ft

WT Error Vel.: 3.50 ft/s

% Meas.: 51.05

BT Up Vel.: 1.00 ft/s

Water Temp.: None

WT Up Vel.: 10.00 ft/s

ADCP Temp.: 17.9 °C

Use Weighted Mean Depth: YES

ADCP:

Type/Freq.: Rio Grande/1200 kHz

Serial #: 2339

Firmware: 10.16

Bin Size: 25 cm

Blank: 25 cm

BT Mode: 5

BT Pings: 1

WT Mode: 12

WT Pings: 1

WV : 254

WO : 1, 7

Performed Diag. Test: YES

Project Name: breachinflow5.mmt

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Software: 2.07

Performed Compass Test: YES

Meas. Location: at breach

Tr.#		Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad	
		L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins
000	R	110	72	812	26417	38827	10901	-134	52.7	76064	1294	12295	09:33	09:40	5.48	6.19	22	1
001	L	110	76	801	25949	38090	10821	-171	-92.8	74596	1483	14399	09:40	09:46	5.57	5.18	20	1
Mean		110	74	806	26183	38458	10861	-152	-20.1	75330	1388	13347	Total	00:13	5.53	5.68	21	1
SDev		0	3	8	331	522	56.4	26.3	103	1039	134.0	1488.3			0.06	0.71		
SD/M		0.00	0.04	0.01	0.01	0.01	0.01	0.17	5.13	0.01	0.10	0.11			0.01	0.13		

Remarks:

* - value not consistent for all transects

LC Version 3.20, July 8, 2010

Processed on: 14-Jun-2011

Loop File: breachinflow500011-05-15LBTASC.TXT

Distance Made Good (ft)	Loop Time (sec)	Moving Bed Velocity (ft/s)	Moving Bed Direction (degrees)	Flow Direction (degrees)	Estimated Percent Correction (percent)
390.88	669.10	0.58	215.90	49.24	15.56

Percent Bad Bottom Track: 21.3

WARNING: Percentage of bad bottom track values exceeds 5.
Loop may not be accurate. Please review data.

Difference in flow direction between out and back sections: 1.5 deg

Loop Indicates a Moving Bed -- Select transects to be corrected

File Name	Original Discharge cfs	Adjusted Discharge cfs
breachinflow500011-05-15ASC.TXT	76064.20	87804.82
breachinflow500111-05-15ASC.TXT	74595.50	86343.10
Average	75329.85	87073.96