

Sheet No. 1 of 2 sheets

Station Number:

Meas. No: /

Station Name: Inflow/Outflow 1

Date: 05/11/2011

Party: BB,SS

Width: 590 ft

Processed by: BB

Boat/Motor: wooldridge

Area: 7,040 ft<sup>2</sup>

Mean Velocity: 3.10 ft/s

Gage Height: 0.00 ft

G.H.Change: 0.000 ft

Discharge: 20,800 ft<sup>3</sup>/s

Area Method: Avg. Course

ADCP Depth: 1.200 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: Model (-1.4°)

Bottom Est: Power (0.1667)

Rated Area: 0.000 ft<sup>2</sup>

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.: 14.3 ft/s

ADCP:

WT 3-Beam Solution: NO

Max. Depth: 15.6 ft

Type/Freq.: Rio Grande/1200 kHz

BT Error Vel.: 0.33 ft/s\*

Mean Depth: 12.2 ft

Serial #: 2339

Firmware: 10.16

WT Error Vel.: 3.50 ft/s

% Meas.: 63.08

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.: 8.00 ft/s

ADCP Temp.: 17.9 °C

WT Mode: 12

WT Pings: 1

Use Weighted Mean Depth: YES

WV : 175

WO : 1, 5

Performed Diag. Test: YES

Project Name: midbreachinflow.mmt

Performed Moving Bed Test: NO

Software: 2.07

Performed Compass Test: YES

Meas. Location: @ 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  | L | 185           | 0    | 427   | 7190      | 18226  | 3953   | -654  | 0.000 | 28715 | 849   | 9217   | 10:49 | 10:52     | 4.18 | 3.12  | 0    | 1    |  |
| 001  | R | 0             | 0    | 333   | 5155      | 13219  | 2854   | 0.000 | 0.000 | 21228 | 508   | 6465   | 10:52 | 10:54     | 4.76 | 3.28  | 0    | 0    |  |
| 002  | L | 0             | 0    | 254   | 5335      | 13622  | 2906   | 0.000 | 0.000 | 21863 | 381   | 4837   | 10:55 | 10:56     | 3.90 | 4.52  | 0    | 0    |  |
| 003  | R | 0             | 0    | 236   | 3846      | 9926   | 2153   | 0.000 | 0.000 | 15925 | 408   | 5113   | 10:56 | 10:58     | 5.05 | 3.11  | 0    | 0    |  |
| 004  | L | 100           | 213  | 378   | 5284      | 13810  | 3144   | -351  | -1152 | 20736 | 880   | 9375   | 10:59 | 11:02     | 4.50 | 2.21  | 2    | 7    |  |
| 005  | R | 154           | 231  | 308   | 3913      | 9850   | 2373   | 164   | -1450 | 14850 | 959   | 10025  | 11:02 | 11:04     | 5.45 | 1.48  | 3    | 9    |  |
| 006  | L | 0             | 0    | 253   | 4146      | 10588  | 2241   | 0.000 | 0.000 | 16976 | 507   | 6408   | 11:06 | 11:08     | 4.99 | 2.65  | 0    | 0    |  |
| 007  | R | 0             | 0    | 330   | 4634      | 12117  | 2538   | 0.000 | 0.000 | 19289 | 492   | 6315   | 11:08 | 11:10     | 4.14 | 3.05  | 0    | 0    |  |
| 008  | L | 0             | 0    | 246   | 5108      | 12863  | 2709   | 0.000 | 0.000 | 20680 | 671   | 8235   | 11:11 | 11:13     | 6.64 | 2.51  | 0    | 0    |  |
| 009  | R | 0             | 0    | 368   | 6688      | 17272  | 3660   | 0.000 | 0.000 | 27620 | 448   | 5851   | 11:13 | 11:16     | 3.69 | 4.72  | 0    | 0    |  |
| 010  | L | 0             | 0    | 223   | 3973      | 10146  | 2143   | 0.000 | 0.000 | 16262 | 476   | 6169   | 11:16 | 11:18     | 5.31 | 2.63  | 0    | 0    |  |
| 011  | R | 0             | 0    | 419   | 6124      | 15616  | 3392   | 0.000 | 0.000 | 25132 | 504   | 6505   | 11:18 | 11:21     | 3.73 | 3.86  | 0    | 0    |  |
| Mean |   | 37            | 37   | 314   | 5116      | 13105  | 2839   | -70.0 | -217  | 20773 | 590   | 7043   | Total | 00:31     | 4.70 | 3.10  | 0    | 1    |  |
| SDev |   | 69            | 86   | 72    | 1104      | 2820   | 600    | 217   | 510   | 4532  | 198.7 | 1727.0 |       |           |      | 0.86  | 0.93 |      |  |
| SD/M |   | 1.88          | 2.34 | 0.23  | 0.22      | 0.22   | 0.21   | 3.10  | 2.35  | 0.22  | 0.34  | 0.25   |       |           |      | 0.18  | 0.30 |      |  |

Remarks:

\* - value not consistent for all transects

Discharge for transects in *italics* have a total Q more than 5% from the mean