

9-275-1

REV (10-01)

Sta No **36565908903101**

Sta Name **INSIDE BIRDS POINT BRIDGE**

Date **5/3/2011**

Width **8470**

Profilor Water Temp **14.6** °C at **3.62** GH

Profilor SN **6223** Mfr **BDI** Freq **1200** Index Velocity **404.000**

U.S. DEPARTMENT OF THE INTERIOR

Geological Survey

Water Resources Division

Acoustic Profiler Discharge Measurement Notes

Meas. No. **1**

Processed by **RA**

CK'd by **RA**

2011 Party **RA/TL/BA**

Area **112,000** Vel **3.62** GH

Rated area **10.17** Software Ver **2.04**

Depth Cell Size **25 cm** Other commands:

No. of Cells **34**

Blanking Distance **25 cm**

Water Mode **12**

Ambiguity Vel. **196**

Water pings **1**

Bottom pings **1**

Boat/Motor Used **KANADCP** Time to WT **@**

Mag. Var. 1) **2** 2) **3** 3) **4** Model Avg. **1.6** GPS **Y**

Diag. Test Errors: **Y** **N**

Time

GAGE READINGS

Time

Inside

Outside

16:07

16:50

Samples collected: water quality, sediment, biological, other:

Measurements documented on other sheets: water quality, aux/base gage, other:

Rain gage serviced/calibrated

Weather **cloudy**

Wind Spd **Dir**

Air Temp **°C at**

Water Temp **14.6** °C at

Specific Cond:

Checkbar/chain found

Changed to **at**

Correct

Wading, cable, ice, boat, upstr., downstr., side bridge, ft., mi. upstr., downstr. of gage.

Measurement rated: excellent (2%), good (5%), fair (8%), poor (8%) based on following conditions:

Flow **UNEVEN**

Cross section: **UNEVEN FLOODWAY**

Control: **CHANNEL**

Gage operating: **Record removed: Y or N** Filename:

Battery voltage: **Intakes/Orifice cleaned/purged:**

Bubble-gage psi: Tank **Line** Bubble rate **/min.**

Extreme-GH indicators: max **min**

CSG checked: **HWM height on stick** Reflev **HWM elev**

Remarks: **NO M.B. TEST DUE TO TIME**

GH of zero flow = GH **depth at control** = **ft. rated**

Performed moving **NO**
 Performed Compass Test: **NO**
 Meas. Location: **Flood plain of break**

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
001	R	0	0	4127	102566	248889	49587	0.000	0.000	401042	8401	106103	16:07	16:33	6.81	3.78	8	3
002	L	0	0	2607	104240	253217	50305	0.000	0.000	407762	8532	118172	16:34	16:50	8.99	3.45	10	4
Mean		0	0	3367	103403	251053	49946	0.000	0.000	404402	8466	112137	Total	00:43	7.90	3.62	9	3
SDev		0	0	1075	1184	3060	507	0.000	0.000	4752	92.5	8533.5			1.54	0.23		
SD/M		0.00	0.00	0.32	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.08			0.19	0.06		

Remarks:

* - value not consistent for all transects

Party:	Width: 8,470 ft	Processed by:
Boat/Motor:	Area: 112,000 ft ²	Mean Velocity: 3.62 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 404,000 ft ³ /s

Area Method: Avg. Course	ADCP Depth: 1.350 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: U
MagVar Method: None (-1.6°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft ²	Diff.: 0.000%
Depth Sounder: Not Used	Top Est: Power (0.1667)	Control1: Unspecified	
		Control2: Unspecified	
		Control3: Unspecified	

Screening Thresholds:		ADCP:	
BT 3-Beam Solution: YES	Max. Vel.: 11.3 ft/s	Type/Freq.: Rio Grande/1200 kHz	
WT 3-Beam Solution: NO	Max. Depth: 22.8 ft	Serial #: 6223	Firmware: 10.17
BT Error Vel.: 0.33 ft/s*	Mean Depth: 13.2 ft	Bin Size: 25 cm	Blank: 25 cm
WT Error Vel.: 3.50 ft/s	% Meas.: 62.08	BT Mode: 5	BT Pings: 1
BT Up Vel.: 1.00 ft/s	Water Temp.: None	WT Mode: 12	WT Pings: 1
WT Up Vel.: 8.00 ft/s	ADCP Temp.: 14.6 °C	WV : 196	WO : 1, 4
Use Weighted Mean Depth: YES			

Performed Diag. Test: NO
 Performed Moving Bed Test: NO
 Performed Compass Test: NO
 Meas. Location: Flood plain of break

Project Name: break_0.mmt
 Software: 2.07

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
001	R	0	0	4127	102566	248889	49587	0.000	0.000	401042	8401	106103	16:07	16:33	6.81	3.78	8	3
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Remarks: