

Meas. No. 9

Geological Survey  
Water Resources Division

Processed by COIC

Ck'd by\_\_\_\_\_

Sta. Name Inflows - bird pt levee

Date 05/12, 2011 Party CBS/KMTH

Width 8620 Area 79800 Vel. 3.18 G.H. - Disch. 253,597

Profiler Water Temp. 18.79 °C at 0903 Rated area:      Index Velocity     

Profiler S/N: 5954 Mfg: RDI Freq: 1200 Firmware: 10.16 Software Ver: 2.07

Depth Cell Size	0.82	Other commands:	Profiler Depth	0.72
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No. of Cells	44	Config. file	
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Blanking Distance	0.82	Deployment	Leather
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Water Mode	12	Moving Bed	1
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Ambiguity Vel.	Moving Bed Present:	Y	N
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Water pings	1	Diag. Test	ADAPT TEST
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Bottom pings	1	Diag. Test Errors:	Y <input checked="" type="radio"/> N
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Boat/Motor Used 513 ADCP Time to WT ☐ @ \_\_\_\_\_ GPS: VTG

Mag. Var. 1) -1.4 2) \_\_\_\_\_ 3) \_\_\_\_\_ 4) \_\_\_\_\_ Avg: \_\_\_\_\_ Comp. Cal.: 0.42

GAGE READINGS					
Time				Inside	Outside
0900	START				
0950	END				
				$\text{Max } V = 13.9$	
				$\text{Max } D = 45$	
Weighed MGH					
GH correction					
Correct MGH					

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

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

Rain gage serviced/calibrated \_\_\_\_\_

Weather overcast, warm

Wind Spd. 10 Dir. 100

Air Temp. \_\_\_\_\_ °C at \_\_\_\_\_

Water Temp. 18.3 °C at 0903

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, turbulent, channelized

Cross section: low slack water at levee breach

Control: \_\_\_\_\_

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        Ref elev        HWM elev       

Remarks: Reference VTG. 50-200' H DS of Bird pt

Level

GH of zero flow = GH \_\_\_\_\_ - depth at control \_\_\_\_\_ = \_\_\_\_\_ ft, rated \_\_\_\_\_

Sheet No. 1 of 1 sheets

[illegible]

**Notes:**

Station Number: Inflow  
Station Name: Bird\_pt\_Levee

Meas. No: 4  
Date: 05/12/2011

Party: CBR/KMH	Width: 8,620 ft	Processed by: CBR
Boat/Motor: 513	Area: 79,800 ft <sup>2</sup>	Mean Velocity: 3.18 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 254,000 ft <sup>3</sup> /s

Area Method: Avg. Course	ADCP Depth: 0.420 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: F
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  
WT 3-Beam Solution: NO  
BT Error Vel.: 0.33 ft/s\*  
WT Error Vel.: 3.50 ft/s  
BT Up Vel.: 1.00 ft/s  
WT Up Vel.: 10.00 ft/s  
Use Weighted Mean Depth: YES

Max. Vel.: 13.9 ft/s  
Max. Depth: 45.1 ft  
Mean Depth: 9.26 ft  
% Meas.: 54.51  
Water Temp.: 18.3 °C  
ADCP Temp.: 18.0 °C

ADCP:

Type/Freq.: Rio Grande/1200 kHz  
Serial #: 5954      Firmware: 10.16  
Bin Size: 25 cm      Blank: 25 cm  
BT Mode: 5      BT Pings: 1  
WT Mode: 12      WT Pings: 1  
WV : 175      WO : 3, 5

Performed Diag. Test: YES  
Performed Moving Bed Test: NO  
Performed Compass Test: YES

Project Name: Inflow\_4.mmt  
Software: 2.07

Meas. Location: DS of Levee Breach 50'-200'

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	0	0	1900	63706	141011	48799	0.000	0.000	253515	8700	78089	09:08	09:27	8.77	3.25	1	1	
001	L	0	0	1747	62320	135460	55900	0.000	0.000	253679	8541	81539	09:31	09:48	9.23	3.11	1	1	
Mean		0	0	1823	63013	138235	52350	0.000	0.000	253597	8621	79814	Total	00:39	9.00	3.18	1	1	
SDev		0	0	108	980	3925	5021	0.000	0.000	116	112.8	2439.4				0.33	0.10		
SD/M		0.00	0.00	0.06	0.02	0.03	0.10	0.00	0.00	0.00	0.01	0.03				0.04	0.03		

Remarks: VTG Reference

\* - value not consistent for all transects