

Station Number:

Meas. No:

Station Name: Ohio River below Cairo

Date: 05/11/2011

Party: BB,SS

Width: 4,970 ft

Processed by: BB

Boat/Motor: wooldridge

Area: 212,000 ft²

Mean Velocity: 4.81 ft/s

Gage Height: 0.00 ft

G.H.Change: 0.000 ft

Discharge: 1,020,000 ft³/s

Area Method: Avg. Course

ADCP Depth: 1.300 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: None (-1.6°) MODEL

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

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.: 8.00 ft/s

Use Weighted Mean Depth: YES

Max. Vel.: 11.6 ft/s

Max. Depth: 96.1 ft

Mean Depth: 42.6 ft

% Meas.: 83.10

Water Temp.: None

ADCP Temp.: 19.5 °C

ADCP:

Type/Freq.: Rio Grande/600 kHz

Serial #: 551

Firmware: 10.16

Bin Size: 50 cm

Blank: 25 cm

BT Mode: 5

BT Pings: 1

WT Mode: 12

WT Pings: 1

WV : 175

WO : 1, 20

Performed Diag. Test: YES

Project Name: ohiocairo.mmt

Performed Moving Bed Test: NO

Software: 2.07

Performed Compass Test: NO

Meas. Location: below Cairo

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	386	955	722	59023	829034	93977	688	2720	985442	4977	206414	19:36	19:44	7.77	4.77	1	1
002	L	387	955	846	62288	865036	97395	1201	27246	1053166	4960	216859	19:44	19:54	6.39	4.86	0	0
Mean		387	955	784	60656	847035	95686	945	14983	1019304	4969	211636	Total	00:18	7.08	4.81	0	0
SDev		1	0	88	2309	25457	2417	363	17343	47888	12.0	7385.6			0.97	0.06		
SD/M		0.00	0.00	0.11	0.04	0.03	0.03	0.38	1.16	0.05	0.00	0.03			0.14	0.01		

Remarks: