

Performed moving
Performed Compass Test: YES
Mass Location: _____

Sta Name 0119 IN ABOVE TIE CONFLUENCE
Date 8/4 2011 Party RA/CB MAN CHAN ONLY
Width 4.410 Area 225.002 Vel 4.43 GH 11.400
Profiler Water Temp 16.4 °C at Rated area Index Velocity _____
Profiler S/N 1127 Mfrg DAI Freq 1003 Firmware _____
Profiler Depth 2.40
Config file _____
Deployment MANUALLY
Moving Bed _____
Moving Bed Present: Y N
Diag. Test _____
Diag. Test Errors: Y N
GPS _____
Comp. Cal. _____
Mag. Var. 1) _____ 2) _____ 3) _____ 4) 100.0 Avg _____

Boat/Motor Used OW WORKALIFE ADCP Time to WT @

Samples collected: water quality, sediment, biological, other: _____
Measurements documented on other sheets: water quality, box/base gage, other: _____
Rain gage serviced/calibrated _____
Weather CLC 33Y
Wind Spd _____ Dir _____
Air Temp _____ °C at _____
Water Temp 16.4 °C at _____
Specific Cond: _____
Checkbar/chain found _____
Changed to _____ at _____
Correct _____

GAGE READINGS

Time	Inside	Outside
11:49		
12:14		
Weighted MGH		
GH correction		
Correct MGH		

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 TURBULENCE

Cross section: UNEVEN SAND CHANNEL V NEWER BRUNN SURBANK

Control: CHANNEL

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

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

Bubble-gage psi: Tank _____ Line _____ min _____ max _____

Extreme-GH indicators: _____ min _____ max _____

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

Remarks: NO DATA DUE TO TIME CONSTRAINTS

GH of zero flow = GH _____ - depth at control _____ = _____

Sheet No. _____ of _____ sheets

Scale: _____ mm

Number: 365939089084601

Name: Ohio above Confluence

Meas. No: 6

Date: 05/04/2011

RA/CR

Width: 4,610 ft

Processed by: RA

Motor: QWboat

Area: 225,000 ft²

Mean Velocity: 4.43 ft/s

a Height: 0.00 ft

G.H.Change: 0.000 ft

Discharge: 997,000 ft³/s

a Method: Avg. Course

ADCP Depth: 2.400 ft

Index Vel.: 0.00 ft/s

Rating No.: 1

av. Method: DGPS

Shore Ens.: 10

Adj. Mean Vel: 0.00 ft/s

Qm Rating: U

MagVar Method: Model (-1.6°)

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.: 13.00 ft/s

Use Weighted Mean Depth: YES

Max. Vel.: 15.0 ft/s

Max. Depth: 97.4 ft

Mean Depth: 48.9 ft

% Meas.: 82.47

Water Temp.: None

ADCP Temp.: 16.4 °C

ADCP:

Type/Freq.: Rio Grande/600 kHz

Serial #: 1127

Firmware: 10.16

Bin Size: 50 cm

Blank: 25 cm

BT Mode: 5

BT Pings: 1

WT Mode: 1

WT Pings: 1

WV : 284

Performed Diag. Test: NO YES

Performed Moving Bed Test: NO

Performed Compass Test: YES

Meas. Location:

Project Name: Ohio above confluence_mmt

Software: 2.04

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	306	610	944	72304	814151	85324	8650	10023	990452	4746	227486	11:49	11:57	7.71	4.35	0	0
001	R	312	610	1024	70724	807372	76293	8123	11098	973610	4770	227618	11:57	12:06	7.33	4.28	0	0
002	L	312	345	918	76385	862069	85882	8055	14037	1046428	4463	221926	12:06	12:15	7.97	4.71	0	0
003	R	306	345	1060	71054	804746	79701	7741	13516	976758	4452	222677	12:15	12:24	6.83	4.39	0	0
Mean		309	478	986	72617	822085	81800	8142	12168	996812	4608	224927	Total	00:35	7.46	4.43	0	0
SDev		3	153	67	2603	26949	4612	377	1919	33876	173.9	3047.5			0.49	0.19		
SD/M		0.01	0.32	0.07	0.04	0.03	0.06	0.05	0.16	0.03	0.04	0.01			0.07	0.04		

Remarks:

* - value not consistent for all transects