

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTES

Meas. No.

(39)

Comp. by

JAW

Checked by

CLJ

Sta. No.

Sta. Name

PRISCU @ B1

Date JAN 23

, 2002

Party

LT CT JW

Width 1540

Area 1.37

Vel. 1.51

G.H.

Disch. 2.10

Method 16

No. secs. 18

G.H. change +.16

in

hrs.

Method coef. 1.0

Horiz. angle coef. 1.0

Susp. ROD

Tags checked

Meter Type Pyram

Meter No. 8009228

Meter

ft. above bottom of wt.

Rating used 6/99

Spin test before meas. 1'19"

; after

GOOD

Meas. plots

% diff. from rating no.

Indicated shift

GAGE READINGS

Time	(m)	WT(m)			Inside	Outside
1300	337.1	8.1			1.97	0.64
1315	Start					
1335	Finish					
1350					2.39	.80
Weighted MGH						
GH correction						
Correct MGH						

Samples collected: water quality,
sediment, biological, otherMeasurements documented on
separate sheets: water quality,
aux./base gage, other

Rain gage serviced/calibrated

Weather: Breezy-cool-clear

Air Temp. 7.2 °C at 1300

Water Temp. °C at

Check bar/chain found

Changed to at

Correct

Wading cable, ice, boat, upstr., downstr., side bridge, 10 ft. mi. upstr., downstr. of gage.

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

conditions: Flow: irregular (pulsing); turbulent

Cross section: fine sand to silt

Gage operating: Record Removed

Battery voltage: 14.47 Intake/Orifice cleaned/purged:

Bubble-gage pressure, psi: Tank 1600, Line 10; Bubble-rate 65 /min.

Extreme-GH indicators: max, min

CSG checked: HWM height on stick Ref. elev. HWM elev.

HWM inside/outside:

Control: overflow intact (replacing sand bags)

Remarks: FLUME IS TIPPED BY FLOW AND SED.

LOGGER B1B SWAPPED FOR B2A

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

Sheet No. of sheets

.0 .10 .20 .30 .40 .50 .60 .70 .75

River at -

ANGLE COEF. FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR	AREA	DISCHARGE .80
							AT POINT	MEAN IN VER- TICAL			
	6.0	.20	—		LEW @	1315					
1.0	6.4	.40	.10	.6	15	50		.319		.04	.013 .85
↓	6.8	.35	.20	↓	20	49		.423		.07	.030 .85
	7.1	.30	.20		15	41		.383		.06	.023 .85
	7.4	.30	.25		20	40		.511		.075	.038 .90
	7.7	.30	.20		40	50		.800		.06	.048 .92
	8.0	.30	.20		40	44		.904		.06	.054 .94
	8.3	.30	.25		50	49		1.01		.075	.076 .94
	8.6	.30	.40		60	40		1.47		.12	.176 .96
	8.9	.30	.40		80	47		1.67		.12	.200 .97
	9.2	.30	.48		100	45		2.17		.144	.312 .98
	9.5	.30	.50		150	58		2.51		.15	.376 .99
	9.8	.30	.40		100	41		2.37		.12	.284 .99
	10.1	.30	.30		80	45		1.74		.09	.157 .99
○	10.4	.35	.25		80	49		1.60		.088	.141 1.00
	10.8	.35	.20		60	40		1.47		.07	.103 .99
	11.4	.30	.10		50	40		1.23		.03	.037 .99
	11.4	.15	—		REW @	1335				—	— .99
	5.4	5.4								1.37	2.07 .98
											.97
											.96
											.94
											.92
											.90
											.85
											.80
											.75

2.10

5-6-25-02