

9-275-G
(Rev. 10-81)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 53
Comp. by PRW

WATER RESOURCES DIVISION

Sta. No. Anderson DISCHARGE MEASUREMENT NOTES Checked by PRW

Date Dec 4, 2004 Party J. Joslin, P.R. Wright
Width 4.5 Area 0.85 Vel. 1.94 G.H. 1.66 Disch. 1.66
Method 66 No. secs. 14 G.H. change. in hrs. Susp. Red
Method coef. Hor. angle coef. Susp. coef. Meter No.
Type of meter Pygmy Date rated 6/99 Tag checked
Meter ft. above bottom of wt. Spin before meas. after
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS						WATER QUALITY MEASUREMENTS		
Time	Cond	Inside	ADR	Graphic	Outside	No	Yes	Time
1507	42.5	1.80	11.0	0.24	0.59 ± 0.02		<input checked="" type="checkbox"/>	1440
1531		1.833			0.60 ± 0.02		<input checked="" type="checkbox"/>	1440
1621		1.87			0.64 ± 0.02		<input checked="" type="checkbox"/>	
Weighted M.G.H.						SEDIMENT SAMPLES		
G. H. correction						No <input checked="" type="checkbox"/> Yes Time		
Correct M.G.H.						Method Used		
						EDI EWI Other. <u>Grab</u>		
						BIOLOGICAL SAMPLES		
						Yes Time		
						No <input checked="" type="checkbox"/> Type		

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. 15 feet, mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:

Flow. some loss may occur upstream, shallower gravel x sect

Cross section → weighted mid-right

Control seems ok

Gage operating Yes Weather

Intake/Orifice cleaned Y Air 2.7 °C@ 1440 Water 3 °C@ 1440

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank 1900 Feed 4.8 reset to 100 Bbl rate per min.

CSG checked NA Stick reading NA

Observer Purged Orifice

HWM * Changed Date from 339 to 338! outside, in well

Remarks YST. 30 specific conductivity read 32 US, 0.3°C

Check date & time, Day 339 (off by 1) Yr. 2004, Time 15:04 OK

Temp. probe buried in/frozen in sand. Cond. probe - cleaned some sediment

G.H. of zero flow ft. Sheet No. but still has ice in it sheets

River at—

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	3.9	.2	0		LEW	0					
	4.3	.35	.12	5	40	46	.866			.042	.036
	4.6	.3	.20	5	100	50	1.95			.06	.117
	4.9	.3	.20	5	80	47	1.67			.06	.100
	5.2	.3	.18	5	80	51	1.54			.054	.083
	5.5	.3	.22	5	80	50	1.57			.066	.104
	5.8	.3	.26	5	80	41	1.91			.078	.149
	6.1	.3	.30	.6	150	55	2.65			.09	.238
	6.4	.3	.32	.6	150	50	2.91			.096	.279
	6.7	.3	.30	.6	100	42	2.32			.09	.209
	7.0	.3	.25	5	100	40	2.43			.075	.182
	7.3	.3	.22	5	60	42	1.40			.066	.092
	7.6	.55	.14	5	40	43	.925			.077	.071
	8.4	.4	0		REW					.0854	1.66
0	4.5	4.5									

.80
.85
.90
.92
.94
.96
.97
.98
.99
1.00
.99
.98
.97
.96
.94
.92
.90
.85
.80