9-275-F
(Apr. 93)

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Meas. No. 58

Comp. by SLH

WATER RESOURCES DIVISION

Sta. No. HI @ Anderson

DISCHARGE MEASUREMENT NOTES

Checked by JCK

Date Dec 25, 19 05 Party SLH, JCF, KM

Width 4.3ft Area ~~0.625ft²~~ 0.590 Vel. ~~1.086~~ 1.303 G.H. Disch. 0.8102cfs

Method No. secs. G.H. change in hrs. Susp.

Method coef. Hor. angle coef. Susp. coef. Meter No.

Type of meter pygmy Date rated Tag checked

Meter ft. above bottom of wt. Spin before meas. after

Meas. Plots % diff. from rating. Levels obtained

GAGE READINGS					
Time	Inside	AT	WT	SC	Outside
1441	1.55	11.0	1.37	36.4	
			.8	27.8	.44
1527	1.64				.49±.01
Weighted M.G.H.					
G.H. correction					
Correct M.G.H.					

WATER QUALITY MEASUREMENTS

No Yes Time

Samples Collected

No Yes Time

Method Used

EDI EWI Other

SEDIMENT SAMPLES

No Yes Time

Method Used

EDI EWI Other

BIOLOGICAL SAMPLES

Yes Time

No Type

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge 20 feet, mile, above, below gage.

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

Flow Steady

Cross section sand, small stones, very shallow, confined

Control

Gage operating Weather Cloudy, cool

Intake/Orifice cleaned Air °C@ Water °C@

Record removed Extreme Indicator: Max. Min.

Manometer N_2 Pressure Tank 1700 Feed 10 Bbl rate 36 per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks

G. H. of zero flow ft. Sheet No. of sheets

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

River at—

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY At point	VELOCITY Mean in vertical	Adjusted for hor. angle or ---------	Area	Discharge
	7.6	0.45	LEW		e	14	41	[illegible]	141	12/25/5	
	6.7	0.6	.1	S	34	45		0.757		0.060	0.045
	6.4	.3	.1	S	39	45		0.864		0.030	0.026
	6.1	.3	.15	S	46	45		1.01		0.045	0.045
	5.8	.3	.2	S	47	45		1.03		0.060	0.062
	5.5	.3	.25	S	73	45		1.59		0.075	0.119
	5.2	.3	.25	S	78	45		1.70		0.075	0.128
	4.9	.3	.25	S	97	45		2.10		0.075	0.158
	4.6	.3	.2	S	71	45		1.55		0.060	0.093
	4.3	.3	.2	S	59	45		1.29		0.060	0.077
	4.0	.5	.1	S	52	45		1.14		0.050	0.057
	3.3	0.35	REW								
	w//	w//						v//		^//	a//
	4.3	4.3						1.303		0.590	0.810
⊙											

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

.70 .75