9-275-F
(Apr. 93)

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

Meas. No. 62

Comp. by ESG?

WATER RESOURCES DIVISION

Sta. No. ..... **DISCHARGE MEASUREMENT NOTES** Checked by JCK

Anderson Creek

Date 12/10, 19 2006 Party LFS, ESG

Width 1.48ft Area 0.092ft Vel. 0.40 ft/s G.H. ..... Disch. 0.037 cfs

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. OK after OK

Meas. Plots ..... % diff. from ..... rating. Levels obtained no

GAGE READINGS						WATER QUALITY MEASUREMENTS
Time	Inside	____	____	____	Outside	No (Yes) 2320 Time [redacted]
2210	1.19				.05 → 1.05	Samples Collected pH: 7.03
						No ..... Yes ..... Time .....
2225	1.19				.05 → 1.05	Method Used
						EDI ..... EWI ..... Other .....
						SEDIMENT SAMPLES
						No ..... Yes ..... Time .....
						Method Used
						EDI ..... EWI ..... Other .....
Weighted M.G.H.						**BIOLOGICAL SAMPLES**
G.H. correction						Yes ..... Time .....
Correct M.G.H.						No ..... Type .....

Check bar. chain found ..... changed to ..... at .....

(Wading), cable, ice, boat, upstr., downstr., side bridge 12 feet, (mile), (above), (below) gage.

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

Flow small flow, should use cutthroat but none here

Cross section Sand + gravel

Control wall is intact. Flume full of sand + rocks on bottom

Gage operating ..... Weather overcast, calm

Intake/Orifice cleaned no Air 31F °C@ ..... Water 33F °C@ .....

Record removed no Extreme Indicator: Max. ..... Min. .....

~~Manometer~~ N_2 Pressure Tank 1700 Feed ..... Bbl rate ..... per min. .....

CSG checked ..... Stick reading .....

Observer .....

HWM ..... outside, in well

Remarks removed old T, SC, pressure lines that had previously been disconnected

rewired CR-10 for new T probe

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	LEW Width 2215	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY: At point	VELOCITY: Mean in vertical	Adjusted for hor. angle or	Area	Discharge
	1.2	0.15	0								
	1.5	0.3	0.09		15	41	.383			0.027	0.010
	1.8	0.3	0.12		19	41	.476			0.036	0.017
	2.1	0.3	0.08		20	51	.408			0.024	0.00
	2.4	0.25	0.02		3	70	0072			0.005	0.000
	2.6	0.10	0								
	1.4ft										
					V=0.40					0.092 ft²	0.037 cfs

⊙

#6 @ 2225

1) 1.19
2) -0.05
3) 50.7
4) -0.03
5) 12.5

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