

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

466

Date 1-12, 1998

MISCELLANEOUS FIELD NOTES

Santa Fe Str @ B2

MDL

1750

clear windy
warm

Flume & channel are in good condition. 110

Ice in flow No flow on right overflow channel.

N₂ tank - 1600 Feed 10 psi Batteries, fine good

IN

OUT

1755

1.85

1.66

0.29

-

WT

49.5

251

SC

field SC & temp probe is screwy
pH = 6.92

Left

Right

≈ 25% of flow

≈ 75% of flow

looking down str

stream chem taken @ 1800

**U.S. DEPARTMENT OF THE INTERIOR
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DISCHARGE MEASUREMENT NOTES**

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Sta. No. Santa Fe Str. @ B2

Meas. No. _____

Comp. by KDL

Checked by KDL

Date 1-12, 19 98 Party KDL
 Width 7.0 Area 1.61 Vel. 2.08 G. H. _____ Disch 3.35
 Method 0.6 No. secs. 15 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 no

GAGE READINGS				WATER QUALITY MEASUREMENTS		
Time	Inside	Outside	No	Yes	Time	
1755	1.75	1.66	Samples Collected			
1820	1.74	1.66	No	Yes	Time	
			Method Used			
			EDI	EWI	Other	
			SEDIMENT SAMPLES			
			No	Yes	Time	
			Method Used			
			EDI	EWI	Other	
			BIOLOGICAL SAMPLES			
			Yes		Time	
			No		Type	

Weighted M.G.H.
G.H. correction
Correct M.G.H.

Check bar. chain found _____ changed to _____ at _____
Wading, cable, ice, boat, upstr., downstr., side bridge 25 feet mile, above, below gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
 Flow Steady Brood
 Cross section sand bottom uniform depth - reasonably
 Control Good

Gage operating OK Weather _____
 Intake/Orifice cleaned no Air _____ °C@ _____ Water 0.30 °C@ 1755
 Record removed _____ Extreme Indicator: Max. _____ Min. _____
 Nitrogen Pressure Tank 1600 Feed 12 Bbl rate per min.

CSG checked _____ Stick reading _____
 Observer _____
 HWM _____ outside, in well _____

Remarks Stage is jumping around 9/OT.
Stream chem @ 1820

River at-

ANGLE COEF-FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVO-LUTIONS	TIME IN SEC-ONDS	VELOCITY		ADJUST-ED FOR HOR. ANGLE OR	AREA	DISCHARGE .80
							AT POINT	MEAN IN VER-TICAL			
	LEN @ 1800										
											.85
	5.1		0	0	0	40					
	5.8		0.31		60	42					
	6.5		0.34		100	43					.90
	7.0		0.32		110	43					.92
	7.5		0.40		110	40					.94
	8.0		0.36		100	41					.96
	8.5		0.22		70	44					.97
	9.0		0.16		60	44					.98
	9.5		0.16		60	42					.99
	10.0		0.15		90	42					.99
	10.5		0.17		80	40					
	11.0		0.17		90	40					
0	11.5		0.16		90	41					1.00
	11.85		0.13		70	43					
	12.1		0		0	40					
	REN @ 1815										
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80