

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

446

Date 1-2, 19 98

MISCELLANEOUS FIELD NOTES

Sante Fe @ B2

HOL

2245

Overcast cool

control is in good shape no ice or snow
in flume. Flow in both overflow channels

Evidence of high flows

N₂ -1900 feed 12 psi

Time ✓

	<u>IN</u>	<u>OUT</u>	
2250	1.58	1.69	Flume staff
		1.53	gate up
	-0.24	-0.3	WT
	21.1	80.7	SC

TOOK stream chem @ 2350

Pygmy measurement taken as well

WATER RESOURCES DIVISION

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Sta. No. 12 DISCHARGE MEASUREMENT NOTES Checked by KPL

Santa Fe @ 132

Date 1-2, 1998 Party KPL

Width 9.1 Area 1.55 Vel. 1.58 G.H. Disch. 2.45

Method 0.6 No. secs. 13 G.H. change. in hrs. Susp.

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

Type of meter 35mg Date rated Tag checked

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

Meas. plots. % diff. from rating. Levels obtained. 100

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside	No	Yes	Time
2345	1.56			1.63	Volume		Samples Collected
2405	1.54			1.62	No	Yes	Time
							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. 30 feet mile, above, below gage.

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

Flow

Cross section Good sand bottom little variation in depths

Control Good condition

Gage operating D.K. Weather Overcast windy cool

Intake/Orifice cleaned Air °C@ Water -0.3 °C@ 2250

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks flow over both overflow channels - evidence

of higher flows present stream chem taken

Qest Right channel = 0.0025 Qest Left channel = 0.09

G.H. of zero flow ft. Sheet No. of 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			
	LEW @ 2345										
	1.9		0		0	40					.85
	2.5		0.15		50	44					
	3.0		0.32		90	42					
	3.5		0.31		70	40					.90
	4.0		0.29		90	38					.92
	5.0		0.19		100	42					.94
	6.0		0.13		50	46					.96
	7.0		0.11		50	41					.97
	8.0		0.15		60	40					.98
	9.0		0.15		30	52					.99
	10.0		0.19		50	45					.99
	10.5		0.13		30	45					
	11.0		0		0	40					
o	REW @ 1205										1.00
											.99
											.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80