

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date January 11, 19 98

456

MISCELLANEOUS FIELD NOTES

Santa Fe, BZ 1825

CC KL

Conditions: control structure and flume look
good - free flow - flow over both
spillways, on ice, S.C. free, temp.

	<u>inside</u>	<u>outside</u>	<u>buried</u>
1830	1.9345	1.76	
	-0.913	3.2	W.t.
	56.013	190.5	S.C.

Batteries 13.328 good

CR10 time good

Nitrogen 1600 psi Feed 12 psi

~~Water quality sample collected @ 1040~~

Pygmy Meter Measurement

Seemingly rising stage

took 1/2 counts

Note: water temperature probe
broken

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES

Santa Fe Str @ B2

Date *1/11*, 19 *98* Party *C.C., KOL*

Width *7.5* Area *1.698* Vel. *2.102* G.H. Disch. *3.57*

Method No. secs. *17* 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

WATER QUALITY MEASUREMENTS

Time	Inside	ADR	Graphic	Outside
<i>1855</i>	<i>1.88</i>			<i>1.78</i>
<i>1935</i>	<i>1.89</i>			<i>1.79</i>
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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

Weighted M.G.H.

G. H. correction

Correct M.G.H.

Yes. Time

No Type

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. *75* feet, mile, above, below gage.

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

Flow. *even flow, uniform*

Cross section *sand bottom, depth fairly uniform*

Control

Gage operating Weather

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

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

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 @		1910								
	5.5		0		0	40					.85
	6.0		0.2		60	40					
	6.3		0.28		100	51					
	6.6		0.30		70	45					.90
	7.1		0.40		100	42					.92
	7.6		0.43		70	30					.94
	8.1		0.35		60	27					
	8.6		0.31		60	23					.96
	9.1		0.24		60	28					.97
	9.6		0.20		60	24					.98
	10.1		0.20		60	26					.99
	10.6		0.18		60	27					
	11.1		0.15		40	21					
o	11.6		0.12		40	23					1.00
	12.1		0.13		40	26					
	12.6		0.13		30	21					
	13.0		0		0	40					.99
	REW @		1930								.98
											.97
											.96
											.94
											.92
											.90
											.85
											.80