

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT NOTES

Sta. No. B2 Santa Fe

Meas. No. _____

Comp. by _____

Checked by _____

Date 1/2, 19 97 Party NR DK

Width 28.0 Area 14.5 Vel. 6.2 G. H. 3.20 Disch 90.1

Method 0.6 No. secs. 20 G. H. change 0.0 in 0.5 hrs. Susp. _____

Method coef. 0.6 Hor. angle coef. 1.0 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	P2F Depth 3 side flow	P2F N side chan.	Outside	No	Yes	Time
1502	2.81			3.20	No	Yes	Time
					EDI	EWI	Other
1530	2.84	1.55	1.45	3.20	No	Yes	Time
		N side 0.10			EDI	EWI	Other
Weighted M.G.H.					Yes	Time	
G.H. correction					No	Type	
Correct M.G.H.							

SEDIMENT SAMPLES

BIOLOGICAL SAMPLES

Check bar. chain found _____ changed to _____ at _____

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

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

Flow even, fast vel.

Cross section even, sand

Control clear, overtopping both weirs.

Gage operating _____ Weather _____

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

Record removed _____ Extreme Indicator: Max. _____ Min. _____

Nitrogen Pressure Tank _____ Feed _____ Bbl rate _____ per min.

CSG checked _____ Stick reading _____

Observer _____

HWM _____ outside, in well _____

Remarks _____

Water over P2F 1/2 ml

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

Water over P2F North = _____

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

River at-

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR -----	AREA	DISCHARGE .80
							AT POINT	MEAN IN VER- TICAL			
1.0	1503			.6	0	40					
	3.0		0		0	40					.85
	4.5		0.1		65	40.0					
	6.0		0.2		87	40.4					
	7.5		0.25		121	40.4					.90
	9.0		0.25		92	40.4					.92
	10.5		0.4		96	40.3					
	12.0		0.5		94	40.3					.94
	13.5		0.6		97	40.0					.96
	15.0		0.65		139	40.5					.97
	16.5		0.75		250	40.6					.98
	18.0		0.7		169	40.4					.99
	19.5		0.7		320	41.2					
	21.0		0.7		300	40.3					
⊙	22.5		0.7		400	40.0					1.00
	24.0		0.7		420	40.0					
	25.5		0.8		450	40.0					
	27		0.8		400	40					.99
	28.5		0.6		225	40					.98
	30		0.3		95	40					.97
	31		0		0	40					.96
											.94
											.92
											.90
											.85
											.80

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