

**State of Idaho
Department of Water Resources
Water District _____**

Meas. No.
Comp. by.

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

..... Brailsford Ditch / Len Lewis Springs
Date Aug. 1, 1974 Party SWR KING
Width 12.6 ft Area 18.27 Vel. G. H. Disch. 172 cfs
Method No. secs. G. H. change. in hrs. Susp.
Method coef. Hor. angle coef. Susp. coef. Meter No.
Type of meter Swirl 500 Date rated Tag checked
Meter ft. above bottom of wt. Spin before meas. 452 after 589
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS					WATER QUALITY MEASUREMENTS			
Time		Inside	HM	Chart	Outside	No	Yes	Time
1:25 pm						Samples Collected		
2:08						No	Yes	Time
						Method Used		
						EDI	EWI	Other
						SEDIMENT SAMPLES		
						No	Yes	Time
						Method Used		
						EDI	EWI	Other
						BIOLOGICAL SAMPLES		
						Yes		Time
						No		Type

Check bar. chain found changed to at
 Wading cable, ice, boat, upstr., downstr., side bridge 100 feet, mile, above, below gage. *diversion*
 Measurement rated excellent (2%), good (3%), fair (8%), poor (over 8%); based on the following cond:
 Flow. *Even 3 samples*
 Cross section. *Sand / Gravel*
 Control
 Gage operating Weather *Hot, Sunny, Clear*
 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 *About 125 ft below headgate @ Corp. of Engineers Survey mark in center of road*
 GPS LAT\LONG
 G.H. of zero flow ft. Sheet No. of sheets

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

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				
REW 07												
	1.0	.65	0.5				.57			.325	.185	.85
	2.0	1.0	1.03				.80			1.03	.824	
	3.0	1.0	1.35				1.05			1.35	1.42	
	4.0	.75	1.53				1.00			1.19	1.19	.90
	4.5	.5	1.74				0.80			0.87	.70	.92
	5.0	.5	1.80				0.76			0.90	.68	.94
	5.5	.5	1.85				0.83			0.93	.77	
	6.0	.5	1.85				0.92			0.93	.85	.96
	6.5	"	1.93				0.86			0.97	0.83	.97
	7.0	"	1.93				0.83			0.99	0.82	.98
	7.5	"	1.97				0.84			0.99	0.83	.99
	8.0	"	1.95				1.01			0.98	0.98	
	8.5	"	1.97				1.15			0.99	1.13	
0	9.0	"	1.92				1.21			0.96	1.10	1.00
	9.5	"	1.83				1.15			0.92	1.05	
	10.0	"	1.75				1.19			0.98	1.04	
	10.5	"	1.57				1.15			0.79	0.90	.99
	11.0	"	1.4				1.05			0.70	0.74	.98
	11.5	"	1.35				.82			0.68	0.55	.97
	12.0	"	0.95				0.62			0.48	0.29	.96
	12.5	0.65	0.60				0.59			0.39	0.23	
LEW	13.3									18.2 ft ²	17.2 cfs	.94
												.92
												.90
	21 stations											
												.85
												.80

*Measurement made to
point in depth of
river measuring center.*

18.2 ft² 17.2 cfs

LEW
13.3