STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
Water District

DISCHARGE MEASUREMENT NOTES

Meas. No. 2
Comp. by CB
Station No. Toponce Ck
Checked by ______
Date 8/3/07 Party CBud
Width 20.6 Area 17.3 ft² Vel. .65 G.H. ✓ Discharge 10.82
Return 11 cfs
Method .6 No. Secs. 20 G.H. chng ______ in ______ hrs. Susp. ______
Method coef. ______ Hor. Angle coef. ______ Susp. Coef. ______ Meter No. ______

GAGE READINGS				
Time		Recorder	Inside	Outside
10:30				
Weighted M.G.H.				
G.H. correction				
Correct M.G.H.				

Type of meter ______
Date Rated ______ for rod, other
Meter ______ ft above bottom of weight
Spin before Meas. ✓ after ✓
Meas. plots ______ % diff. from rating ______
(Wading), cable, ice, boat, upstr., downstr., side
bridge ______ feet, mile, above, below
gage, and ______
Check-bar, found ______
changed to ______ at ______
Correct ______
Levels obtained ______

Measurement rated excellent (2%), (good (5%)), fair (8%), poor (over 8%) based on following
conditions: cross section rocky on the stream bottom.
Flow ______ Weather Sunny
Other ______ Air ______ °F@ ______
Gage ______ Water ______ °F@ ______
______ Record removed ______ Intake flushed- U / L ______
Observer Eilene Chambers
______
Control ______
______
Remarks ______
______
______
G.H. of zero flow ______ ft.

.0 .10 .20 .30 .40 .50 .60 .70 .75
River at --

	Angle co-efficient	Dist from initial point	Width	Depth ✓	Observation depth	Revolutions	Time in Seconds	VELOCITY At point	VELOCITY Mean in vertical	Adjusted for Horizontal Angle or ___	Area	Discharge	
													.80
LEW		2.0		0				—					
		3.0		.4				.34				.136	.85
		4.0		.5				.93				.465	
		5.0		.65				.83				.54	
		6.0		.8				.86				.688	
		7.0		.8				.40				.32	.90
		8.0		.8				.89				.712	
		9.0		.8				.88				.704	.92
		10		.8				.84				.672	.94
		11		.9				.83				.747	
		12		1.05				.92				.966	.96
		13		1.1				.84				.924	.97
		14		1.1				.71				.781	.98
		15		1.2				.78				.936	
		16		1.225				.75				.919	.99
		17		1.0				.58				.58	
		18		1.05				.38				.399	
		19		.8				.30				.24	
⊙		20		.5				.13				.065	1.00
		21		.3				.09				.027	
		22											
REW		22.6											

.99 .98 .97 .96 .94 .92 .90 .85 .80 .75

10.82
.32
1.085
.18

Breakdown

King Creek	6.37	
Caldwell	1.03	
Andrus	1.13	
Rindo	.70	} 2.3
Andrus	1.62	

Measured 1.0 returning to the creek.

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

STATE OF IDAHO
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DISCHARGE MEASUREMENT NOTES

Meas. No. 1
Comp. by CB
Checked by ________

Station No. Toponce Creek
Date 7/24/07   Party C Bird S. Hibdon
Width 19.5   Area ______   Vel. ______   G.H. ✓   Discharge 12.32
Method .6   No. Secs. ______   G.H. chng ______ in ______ hrs.   Susp. ______
Method coef. ______   Hor. Angle coef. ______   Susp. Coef. ______   Meter No. ______

GAGE READINGS				
Time		Recorder	Inside	Outside
Weighted M.G.H				
G.H. correction				
Correct M.G.H.				

Type of meter ______
Date Rated ______ for rod, other
Meter ______ ft above bottom of weight
Spin before Meas. ______ after ______
Meas. plots ______ % diff. from rating ______
Wading, cable, ice, boat, upstr., downstr., side
bridge ______ feet, mile, above, below
gage, and ______
Check-bar, found ______
changed to ______ at ______
Correct ______
Levels obtained ______

Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%) based on following conditions: cross section Rock
Flow ______   Weather ______
Other 49" Flow to the crk.   Air ______ °F@ ______
Gage .36 (2.85 cfs)   Water 2.82 °F@ ______
under the boards   Record removed ______   Intake flushed- U / L ______
Observer ______

Control 30. cfs - 1868 water

Remarks ~~2.8~~ caldwell - 1.3 andrus
7.0 K.K. 2.8 Rondo, 3.5 Indians

G.H. of zero flow ______ ft. 8.7

.0 .10 .20 .30 .40 .50 .60 .70 .75
River at --

Angle co-efficient	Dist from initial point	Width	Depth	Observation depth	Revolutions	Time in Seconds	VELOCITY At point	VELOCITY Mean in vertical	Adjusted for Horizontal Angle or ____	Area	Discharge
LEW	2.0	3	.2			.36				.2	.072
	3.0	4	.2			.84				.2	.168
	4.0	5	.21			.32				.4	.128
	5.0	6	.3			1.09				.3	.327
	6.0	7	.2			1.23				.2	.246
	7.0	8	.5			.49				.5	.245
	8.0	9	.5			.8				.5	.4
	9.0	10	.55			.93				.55	.51
	10.0	11	.6			1.21				.6	.726
	11.0	12	.25				1.45			.75	1.09
	12.0	13	.8				1.39			.8	1.11
	14	14	.85				1.28			.85	1.09
	15	15	.85				1.91			.85	1.62
	16	16	1				1.79			1	1.79
	17	17	.95				1.35			.95	1.28
	18	18	.85				1.37			.85	1.16
	19	19	.6				.44			.6	.26
	20	20	.3				.28			.3	.084
⊙	21	21					0				
REW	21.5										
K.K		13.4	+5.5 =				18.9		17.6		.59
Caldw.		2.9					-1.3				.096
Andrus		3.14									.105
Rondo		1.94									.065
Ind.		4.5									.15

12.32

21.38 cfs
- 1.3
30.0 cfs

2.64

7.38 .58 .35 13.8 .68 1.84

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