

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Water Right No.
(if applicable)

Open Channel Discharge Measurement Notes

A. GENERAL INFORMATION

1. Name of stream or ditch: Sinker Cr
2. Location: 2000 above new weir
3. Person conducting measurement: GH
4. Date and time of measurement: 7-20-95 1300
5. Accompanied by: _____
6. Measuring device size and ID no.: 15mm
7. Spin test before measurement OK? after measurement OK?
8. Purpose of measurement: Inflow - weir check

B. MEASUREMENT DATA

Angle co-efficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
							At point	Mean in vertical			
	REN = 2										
	1		.3	.6	14	40					
	2		.4		19						
	3		.4		36						
	4		.3		27						
	5		.5		34						
	6		.5		33						
	7		.6		24						
	8		.7		35						
	9		.7		33						
	10		.7		38						
	11		.8		36						
	12		.6		22						
	13		.7		26						
	14		.5		31						
	15	LEW									

OPEN CHANNEL DISCHARGE MEASUREMENT NOTES (cjh 1/5/92)

1. Name of stream or ditch: Sinker Creek
2. Location: 100' below new inlet weir
3. Person conducting measure: CINDY HODGES
4. Date and time of measure: 7/20/95 1330
5. Accompanied by:
6. Measuring device size and ID: PYGMY METER #090198
7. Spin test OK? Before: Yes After: Yes
8. Purpose of measure: Inflow / weir check

DIST FROM LEW (feet)	WIDTH (feet)	DEPTH (feet)	OBS DEPTH	REVS	TIME (secs)	VELOCITY (ft/sec)	DISCHARGE (cfs)
0.0							
1.0	1.50	0.7	0.6	12	40	0.32	0.34
2.0	1.00	1.1	0.6	21	40	0.54	0.60
3.0	1.00	1.5	0.6	21	40	0.54	0.81
4.0	1.00	1.6	0.6	23	40	0.59	0.94
5.0	1.00	1.6	0.6	26	40	0.66	1.06
6.0	1.00	1.3	0.6	31	40	0.79	1.02
7.0	1.00	1.0	0.6	25	40	0.64	0.64
8.0	1.50	0.5	0.6	18	40	0.47	0.35
9.0							

TOT WIDTH 9.0

TOTAL DISCHARGE: 5.76

OPEN CHANNEL DISCHARGE MEASUREMENT NOTES (cjh 1/5/92)

1. Name of stream or ditch: Sinker Creek
2. Location: 200' above new inlet weir
3. Person conducting measure: CINDY HODGES
4. Date and time of measure: 7/20/95 1300
5. Accompanied by:
6. Measuring device size and ID: PYGMY METER #090198
7. Spin test OK? Before: Yes After: Yes
8. Purpose of measure: Inflow / weir check

DIST FROM LEW (feet)	WIDTH (feet)	DEPTH (feet)	OBS DEPTH	REVS	TIME (secs)	VELOCITY (ft/sec)	DISCHARGE (cfs)
0.0							
1.0	1.50	0.3	0.6	14	40	0.37	0.17
2.0	1.00	0.4	0.6	19	40	0.49	0.20
3.0	1.00	0.4	0.6	36	40	0.91	0.36
4.0	1.00	0.3	0.6	27	40	0.69	0.21
5.0	1.00	0.5	0.6	34	40	0.86	0.43
6.0	1.00	0.5	0.6	33	40	0.83	0.42
7.0	1.00	0.6	0.6	34	40	0.86	0.52
8.0	1.00	0.7	0.6	35	40	0.88	0.62
9.0	1.00	0.7	0.6	33	40	0.83	0.58
10.0	1.00	0.7	0.6	38	40	0.96	0.67
11.0	1.00	0.8	0.6	36	40	0.91	0.73
12.0	1.00	0.6	0.6	22	40	0.57	0.34
13.0	1.00	0.7	0.6	26	40	0.66	0.46
14.0	1.50	0.5	0.6	31	40	0.79	0.59
15.0							

TOT WIDTH 15.0

TOTAL DISCHARGE: 6.28