

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - BOISE

01/04/93

STATION NUMBER 13073000 PORTNEUF RIVER AT TOPAZ ID STREAM SOURCE AGENCY USGS
 LATITUDE 423730 LONGITUDE 1120520 DRAINAGE AREA 570 DATUM 4918.00 STATE 16 COUNTY 005

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1991 TO SEPTEMBER 1992
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	•103	122	120	119	145	128	112	152	93	75	77
2	87	107	125	119	120	147	127	113	144	93	75	77
3	86	110	126	118	119	•142	126	112	144	91	74	76
4	86	120	126	123	118	•143	126	110	143	91	74	76
5	87	124	126	123	118	•145	126	138	144	90	74	77
6	87	144	126	122	118	143	119	167	146	89	74	77
7	90	138	129	121	120	143	111	172	146	89	74	77
8	90	133	130	122	121	142	104	183	146	87	74	77
9	90	131	129	119	122	140	101	188	146	84	75	77
10	94	131	127	120	120	138	101	193	144	83	74	76
11	94	128	123	121	121	138	101	193	145	83	74	76
12	94	126	127	121	124	136	94	194	143	83	73	75
13	94	128	125	119	130	134	89	198	144	83	74	76
14	93	131	124	121	145	133	89	199	150	81	74	75
15	92	130	122	120	139	133	87	188	159	79	74	75
16	92	128	121	119	135	132	85	176	159	79	75	62
17	92	128	121	121	132	134	90	194	163	78	76	55
18	91	132	122	122	127	136	96	189	155	79	76	51
19	92	132	123	120	129	136	93	187	149	78	75	50
20	92	129	122	118	172	135	91	185	141	78	76	49
21	93	128	120	118	106	133	90	183	112	80	74	50
22	92	127	121	120	195	132	91	182	97	78	73	50
23	95	122	122	120	172	132	95	178	93	77	74	50
24	97	127	122	119	162	136	100	175	92	77	74	52
25	96	127	122	119	156	135	104	170	93	76	75	51
26	97	132	120	119	146	130	109	168	92	75	75	53
27	107	133	119	119	149	130	103	170	91	76	75	53
28	102	133	120	118	147	131	102	167	90	75	74	53
29	102	134	120	119	146	131	102	165	90	75	75	53
30	102	123	119	118	---	130	108	164	92	75	74	53
31	102	---	120	118	---	129	---	163	---	75	76	---
TOTAL	2896	3819	3821	3716	4028	4224	3088	5276	3905	2530	2310	1929
MEAN	93.4	127	123	120	119	136	103	170	130	81.6	74.5	64.3
MAX	107	144	130	123	126	147	128	199	163	93	76	77
MIN	86	103	119	118	118	129	85	110	90	75	73	49
AC-FT	5740	7570	7580	7370	7990	8380	6130	10460	7750	5020	4580	3830

Estimated

CAL YR 1991 TOTAL 51353 MEAN 141 MAX 306 MIN 80 AC-FT 101900
 WTR YR 1992 TOTAL 41542 MEAN 114 MAX 206 MIN 49 AC-FT 82400

0 10 20 30 40 50 60 70 80 90 100

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Open Channel Discharge Measurement Notes

Water Right No.
(if applicable)

A. GENERAL INFORMATION

1. Name of stream or ditch: Idaho River
2. Location: Between 1st and 2nd St. at 1st St. at 1st St.
3. Person conducting measurement: 2. 1st St.
4. Date and time of measurement: May 4, 1902
5. Accompanied by: John A. Jones, Det. 35 U.S. Army
6. Measuring device size and ID no.: Standard 2.100
7. Spin test before measurement OK? OK
8. Purpose of measurement: after measurement OK? OK

B. MEASUREMENT DATA

Angle to object	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for bar. angle or	Area	Discharge
							At point	Mean in vertical			
15.0	1.51	1.0	0.11				0.81				
2.0	0.25	0.32					1.09				
1.5	0.5	0.35					0.87				
3.0		0.40					0.72				
2.5		0.45					0.82				
4.0		0.50					0.75				
4.5		0.55					1.30				
5.0		0.60					1.18				
5.5		0.65					1.2				
6.0		0.70					1.14				
6.5		0.75					1.25				
7.0		0.80					1.35				
7.5		0.85					1.35				
8.0		0.90					1.20				
8.5		0.95					1.20				
9.0		1.00					0.74				
9.5		1.05					0.8				
10.0		1.10					0.30				
10.5		1.15					0				

0 10 20 30 40 50 60 70 80 90 100

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5.5		0.65					1.2				
6.0		0.70					1.14				
6.5		0.75					1.25				
7.0		0.80					1.35				
7.5		0.85					1.35				
8.0		0.90					1.20				
8.5		0.95					1.20				
9.0		1.00					0.74				
9.5		1.05					0.8				
10.0		1.10					0.30				
10.5		1.15					0				

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6	87	144	126	122	118	143	119	167	146	89	74	77
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11	94	128	123	121	121	138	101	193	145	83	74	75
12	94	126	127	121	124	136	94	194	143	83	73	76
13	93	128	125	119	130	134	89	198	144	83	74	75
14	93	131	124	121	145	133	89	199	150	81	74	76
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17	92	128	121	121	132	134	90	194	163	78	76	55
18	91	132	122	122	127	136	96	189	155	79	76	51
19	92	132	123	120	129	136	93	187	149	78	75	50
20	92	129	122	118	172	135	91	185	141	78	76	49
21	93	128	120	118	206	133	90	183	112	80	74	50
22	92	127	121	120	195	132	91	182	97	78	73	50
23	95	122	122	120	172	132	95	178	93	77	74	50
24	97	127	122	119	162	136	100	175	92	77	74	52
25	96	127	122	119	156	135	104	170	93	76	75	51
26	97	132	120	119	146	130	109	168	92	75	75	53
27	107	133	119	119	149	130	103	170	91	76	75	53
28	102	133	120	118	147	131	102	167	90	75	74	53
29	102	134	120	119	146	131	102	165	90	75	75	53
30	102	123	119	118	---	130	108	164	92	75	74	53
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TOTAL	2896	3819	3821	3716	4028	4224	3088	5276	3905	2530	2310	1929
MEAN	93.4	127	123	120	119	136	103	170	130	81.6	74.5	64.3
MAX	107	144	130	123	206	147	128	199	163	93	76	77
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CAL YR 1991	TOTAL 51353	MEAN 141	MAX 306	MIN 80	AC-FT 101900							
WTR YR 1992	TOTAL 41542	MEAN 114	MAX 206	MIN 49	AC-FT 82400							

Estimated

1 .10 .20 .30 .40 .50 .60 .70 .75 .80 .85

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Water Right No.
(if applicable)

Open Channel Discharge Measurement Notes

GENERAL INFORMATION

1. Name of stream or ditch: Idaho River
2. Location: at N. Hill location in Teller Co. 65380 03 1836
3. Person conducting measurement: T. L. H. H.
4. Date and time of measurement: May 4, 1962
5. Accompanied by: Neil Olson, Dist. 29 Unkempt
6. Measuring device size and ID no.: Staffed 2100
7. Spin test before measurement OK? OK
8. Purpose of measurement: after measurement OK? OK

MEASUREMENT DATA

Dist. from initial point	Width	Depth	Observation depth	Revolutions in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge
					At point	Mean in vertical			
1.516	0.35	0.11	0.6	0.81	0.81	0.81	0.81	0.14	0.14
2.0	0.5	0.32	1.1	1.09	1.09	1.09	1.09	0.12	0.12
2.5	0.5	0.35	1.1	0.87	0.87	0.87	0.87	0.14	0.14
3.0	0.5	0.40	1.1	0.72	0.72	0.72	0.72	0.14	0.14
3.5	0.5	0.44	1.1	0.82	0.82	0.82	0.82	0.14	0.14
4.0	0.5	0.50	1.1	0.79	0.79	0.79	0.79	0.14	0.14
4.5	0.5	0.50	1.1	1.20	1.20	1.20	1.20	0.14	0.14
5.0	0.5	0.48	1.1	1.18	1.18	1.18	1.18	0.14	0.14
5.5	0.5	0.54	1.1	1.25	1.25	1.25	1.25	0.14	0.14
6.0	0.5	0.54	1.1	1.10	1.10	1.10	1.10	0.14	0.14
6.5	0.5	0.47	1.1	1.35	1.35	1.35	1.35	0.14	0.14
7.0	0.5	0.52	1.1	1.35	1.35	1.35	1.35	0.14	0.14
7.5	0.5	0.58	1.1	1.00	1.00	1.00	1.00	0.14	0.14
8.0	0.5	0.54	1.1	0.84	0.84	0.84	0.84	0.14	0.14
8.5	0.5	0.55	1.1	0.74	0.74	0.74	0.74	0.14	0.14
9.0	0.5	0.50	1.1	0.88	0.88	0.88	0.88	0.14	0.14
9.5	0.5	0.40	1.1	0.80	0.80	0.80	0.80	0.14	0.14
10.0	0.35	0.35	1.1	0	0	0	0	0.14	0.14

0 .10 .20 .30 .40 .50 .60 .70 .75 .80

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2.0	0.5	0.32	1.1	1.09	1.09	1.09	1.09	0.12	0.12
2.5	0.5	0.35	1.1	0.87	0.87	0.87	0.87	0.14	0.14
3.0	0.5	0.40	1.1	0.72	0.72	0.72	0.72	0.14	0.14
3.5	0.5	0.44	1.1	0.82	0.82	0.82	0.82	0.14	0.14
4.0	0.5	0.50	1.1	0.79	0.79	0.79	0.79	0.14	0.14
4.5	0.5	0.50	1.1	1.20	1.20	1.20	1.20	0.14	0.14
5.0	0.5	0.48	1.1	1.18	1.18	1.18	1.18	0.14	0.14
5.5	0.5	0.54	1.1	1.25	1.25	1.25	1.25	0.14	0.14
6.0	0.5	0.54	1.1	1.10	1.10	1.10	1.10	0.14	0.14
6.5	0.5	0.47	1.1	1.35	1.35	1.35	1.35	0.14	0.14
7.0	0.5	0.52	1.1	1.35	1.35	1.35	1.35	0.14	0.14
7.5	0.5	0.58	1.1	1.00	1.00	1.00	1.00	0.14	0.14
8.0	0.5	0.54	1.1	0.84	0.84	0.84	0.84	0.14	0.14
8.5	0.5	0.55	1.1	0.74	0.74	0.74	0.74	0.14	0.14
9.0	0.5	0.50	1.1	0.88	0.88	0.88	0.88	0.14	0.14
9.5	0.5	0.40	1.1	0.80	0.80	0.80	0.80	0.14	0.14
10.0	0.35	0.35	1.1	0	0	0	0	0.14	0.14