13161500 BRUNEAU RIVER AT ROWLAND, NV

MIDDLE SNAKE RIVER BASIN-BOISE, BRUNEAU RIVER BASIN

LOCATION.--Lat 41°56′00″, long 115°40′25″ referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.29, T.47 N., R.56 E., Elko County, Hydrologic Unit 17050102, Humboldt National Forest, on left bank, 2 mi upstream from McDonald Creek, and 0.5 mi south of Rowland.

DRAINAGE AREA.--382 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Jun 1913 to Sep 1918 (published as "near Rowland"), water years 1962-66 (annual maximum), Oct 1966 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,500 ft above National Geodetic Vertical Datum of 1929, from topographic map. Jun 1913 to Sep 1918, nonrecording gage at different site and datum. Oct 1961 to Sep 1966, crest-stage gage at site 3 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,140 ft^3/s, May 14, 1984, gage height, 12.01 ft; minimum daily, 1.7 ft^3/s, Aug 28-30, 2001.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 11	0600	236	4.02
Apr 08	0115	299	4.33
May 17	1315	*1,620	*9.95

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.3	16	e16	21	41	37	127	569	595	110	27	12
2	8.3	15	e16	e21	35	40	141	536	526	102	28	11
3	8.2	17	e16	e21	e28	41	163	529	467	95	24	10
4	8.6	17	e16	e21	e27	38	163	525	415	88	22	10
5	8.6	16	e16	e21	e27	40	148	552	388	81	21	10
6	8.6	16	e17	e21	e27	43	153	622	371	75	20	10
7	8.4	16	20	e21	e27	50	232	617	352	70	19	10
8	8.3	16	24	e22	27	62	281	579	334	66	19	9.9
9	8.2	17	41	e22	28	86	247	640	303	64	20	9.7
10	8.5	17	57	e22	32	140	200	621	273	62	19	11
11	8.6	20	54	e22	32	209	176	642	266	58	17	14
12	8.8	26	44	22	36	249	177	743	272	53	16	14
13	8.8	23	42	e22	34	286	201	711	239	48	16	14
14	8.9	21	40	e22	37	226	206	665	224	44	16	14
15	8.9	19	39	e22	29	191	191	632	224	42	16	13
16	8.9	19	30	e22	26	143	186	953	233	39	16	13
17	9.2	19	30	e22	38	117	227	1,510	255	37	18	13
18	11	19	30	23	37	100	262	1,330	253	36	19	14
19	11	18	30	24	36	97	242	1,180	221	34	18	14
20	13	17	29	26	31	113	233	1,150	198	32	16	13
21	13	16	18	28	31	105	238	1,110	189	30	15	14
22	12	22	e18	28	36	108	269	995	194	30	15	15
23	13	22	e18	30	33	135	337	925	192	31	14	14
24	17	17	e18	31	31	143	379	846	183	28	13	13
25	15	19	e18	34	34	126	482	772	171	26	13	15
26	16	19	e19	36	35	113	472	699	161	25	13	15
27	17	19	e20	38	36	117	485	655	154	24	12	15
28	18	17	e20	40	40	149	645	619	145	23	12	15
29	18	16	e21	42	---	154	692	619	135	23	11	15
30	17	e16	e21	42	---	126	626	691	121	28	11	14
31	17	---	e21	41	---	120	---	612	---	31	12	---
Total	354.1	547	819	830	911	3,704	8,581	23,849	8,054	1,535	528	384.6
Mean	11.4	18.2	26.4	26.8	32.5	119	286	769	268	49.5	17.0	12.8
Max	18	26	57	42	41	286	692	1,510	595	110	28	15
Min	8.2	15	16	21	26	37	127	525	121	23	11	9.7
Ac-ft	702	1,080	1,620	1,650	1,810	7,350	17,020	47,300	15,980	3,040	1,050	763

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	20.7	26.6	27.7	37.4	52.8	157	310	386	209	50.6	16.3	14.1
Max	52.2	58.5	56.3	137	276	608	666	1,256	744	257	86.5	39.8
(WY)	(1985)	(1985)	(1976)	(1971)	(1986)	(1972)	(1914)	(1984)	(1984)	(1984)	(1984)	(1984)
Min	6.95	11.7	11.9	12.0	16.0	37.4	55.0	50.4	14.7	5.60	2.59	3.87
(WY)	(2004)	(2002)	(2003)	(1992)	(2001)	(1981)	(1968)	(1992)	(1992)	(1992)	(2001)	(1981)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1913 - 2005	
Annual total	29,378.1		50,096.7			
Annual mean	80.3		137		109	
Highest annual mean					290	1984
Lowest annual mean					24.2	1992
Highest daily mean	593	Mar 24	1,510	May 17	2,070	May 14, 1984
Lowest daily mean	4.7	Aug 13	8.2	Oct 3	1.7	Aug 28, 2001
Annual seven-day minimum	5.3	Aug 9	8.4	Oct 3	1.9	Aug 26, 2001
Maximum peak flow			1,620	May 17	2,140	May 14, 1984
Maximum peak stage			9.95	May 17	12.01	May 14, 1984
Annual runoff (ac-ft)	58,270		99,370		79,010	
10 percent exceeds	249		501		332	
50 percent exceeds	21		30		34	
90 percent exceeds	7.8		13		9.9	