



Water Resources Data

Water Year 1997

Prepared by: Water Management Department

IDAHO POWER COMPANY

13286700 Powder River near Richland, Or

LOCATION.--Lat 44°46'40", long 117°17'30", in NE^{1/4}, SW^{1/4}, SE^{1/4}, Sec. 14, T. 9S, R. 44E, Baker County, Oregon, Hydrologic Unit 17050203, on left bank 0.4 miles upstream from Timber Canyon and 6 miles west of Richland, at mile 20.3.

DRAINAGE AREA.--1,310 mi², approximately.

PERIOD OF RECORD.--March 1996 to current year. Station previously operated by USGS 1957 to 1996.

GAGE.--Water-stage recorder. Station equipment includes satellite telemetry. Datum of gage is 2,277.42 ft above mean sea level.

DISCHARGE (CFS), WATER YEAR 1997

MEAN DAILY VALUES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	66	80	95	2170	750	504	794	815	932	138	110	74
2	66	80	93	2670	800	512	752	769	1070	127	104	75
3	65	80	93	2640	700	514	701	661	1030	132	100	80
4	65	80	92	2060	650	526	674	590	983	148	90	79
5	65	80	82	1520	530	508	613	546	1090	151	87	74
6	65	80	78	1100	520	494	574	497	1170	145	77	72
7	64	79	96	845	520	504	561	406	1070	137	70	70
8	64	79	102	750	520	515	553	387	893	124	65	75
9	63	79	142	677	520	507	542	415	733	120	64	74
10	63	79	209	620	520	499	552	401	670	165	67	69
11	62	78	184	560	530	511	535	422	620	162	71	70
12	61	78	155	520	530	545	501	536	628	211	95	80
13	60	78	143	490	530	540	492	619	743	194	90	80
14	62	78	137	470	550	520	490	718	786	183	75	79
15	61	78	121	460	550	502	498	872	793	187	60	80
16	60	78	122	430	620	506	516	978	792	160	77	79
17	62	77	118	400	650	512	560	1080	756	119	73	80
18	65	79	110	390	660	546	613	1120	678	104	69	83
19	70	100	105	390	650	593	733	1110	577	109	63	91
20	82	97	100	400	650	679	956	986	463	103	58	88
21	81	91	120	410	630	796	1060	796	404	95	58	86
22	80	99	153	420	600	845	1070	608	313	102	58	91
23	78	100	189	450	550	866	1070	517	254	95	57	88
24	80	101	201	480	540	860	1110	480	185	81	60	87
25	82	105	233	500	540	837	998	487	159	78	66	84
26	85	99	231	520	536	873	952	456	134	80	67	85
27	82	94	249	500	549	926	963	442	113	79	60	81
28	80	96	263	500	530	964	987	485	92	78	59	79
29	80	99	305	520	---	944	938	517	109	82	68	84
30	80	94	698	600	---	895	849	609	132	142	71	87
31	80	---	1460	650	---	843	---	786	---	131	71	---
TOTAL	2179	2595	6479	25112	16425	20186	22207	20111	18372	3962	2260	2404
MEAN	70.3	86.5	208.9	809.8	586.6	651.1	740.2	648.6	612.4	127.8	72.9	80.1
MAX	85	105	1460	2670	800	964	1110	1120	1170	211	110	91
MIN	60	77	78	390	520	494	490	387	92	78	57	69
AC-FT	4322	5147	12850	49810	32580	40040	44050	39890	36440	7859	4483	4768
CAL YEAR 1996	TOTAL		119520	MEAN	335.7	MAX	1460	MIN	13.0	AC-FT	237100	
WTR YEAR 1997	TOTAL		142292	MEAN	389.8	MAX	2670	MIN	57.0	AC-FT	282200	

IDAHO POWER COMPANY

13132513 Wildhorse River at Brownlee Dam

LOCATION.--Lat. 44°51'08", Long. 116°53'41", in the NE1/4 SW1/4 Section 36 T. 18N, R. 5W, Adams County, Idaho, Hydrologic Unit 17050201, on the right bank, approximately 1800 feet upstream from the mouth and 1.0 mile North of Brownlee Dam.

DRAINAGE AREA.--177 mi², approximately.

PERIOD OF RECORD.--Station operated by USGS from October 1978 to September 1996. Operated by Idaho Power Company from July 1996 to current year.

GAGE.--Water stage recorder. Elevation of gage is 1,840 feet above sea level, from topographic map.

DISCHARGE (CFS), WATER YEAR 1997

MEAN DAILY VALUES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	32	37	73	3000	120	100	500	550	470	110	46	30
2	32	38	62	1800	125	120	480	520	440	110	44	28
3	32	38	66	1500	130	130	450	490	440	95	42	30
4	32	38	47	900	110	110	420	500	460	88	40	32
5	30	38	61	750	100	95	370	500	450	85	40	30
6	30	37	71	600	110	80	330	530	430	78	38	30
7	30	37	69	500	120	95	290	540	430	74	37	28
8	28	37	88	450	130	110	280	560	430	70	36	28
9	28	36	333	430	150	120	300	600	450	75	35	28
10	28	36	385	400	160	130	290	640	500	83	40	27
11	28	36	389	300	160	115	280	660	550	95	40	28
12	28	35	348	170	160	110	270	700	490	110	38	30
13	30	35	260	90	180	110	270	800	450	100	38	30
14	30	39	192	95	200	120	270	900	400	88	38	28
15	30	39	151	100	210	135	270	1200	370	78	38	30
16	35	37	148	110	190	150	270	1300	340	75	38	32
17	33	37	87	110	170	200	370	1300	330	88	38	34
18	33	41	85	110	150	240	500	1200	280	95	38	36
19	32	216	96	120	140	270	650	1000	250	110	37	30
20	35	229	100	130	125	320	850	700	230	95	37	32
21	34	118	98	140	130	375	950	580	210	85	37	30
22	36	106	91	130	140	450	950	510	190	78	36	29
23	40	95	86	115	140	500	900	480	170	70	35	28
24	45	85	83	100	135	560	850	450	160	65	36	27
25	48	82	85	110	100	620	750	410	150	60	40	27
26	48	75	85	115	120	660	700	380	150	55	37	26
27	45	68	95	100	140	840	700	350	140	52	35	27
28	40	76	101	115	120	800	680	380	140	48	34	27
29	38	72	208	140	---	750	650	410	130	46	34	26
30	37	63	500	130	---	700	580	430	120	52	33	26
31	37	---	1500	125	---	600	---	500	---	48	32	---
TOTAL	1064	1956	6043	12985	3965	9715	15420	20070	9750	2461	1167	874
MEAN	34.3	65.2	195.0	418.9	141.6	313.4	514.0	647.4	325.0	79.4	37.6	29.1
MAX	48	229	1500	3000	210	840	950	1300	550	110	46	36
MIN	28	35	47	90	100	80	270	350	120	46	32	26
AC-FT	2110	3880	11990	25760	7864	19270	30590	39810	19340	4881	2315	1734
CAL YEAR 1996	TOTAL		13420	MEAN	36.7	MAX	1500	MIN	0.000	AC-FT	26620	
WTR YEAR 1997	TOTAL		85470	MEAN	234.2	MAX	3000	MIN	26.0	AC-FT	169500	

IDAHO POWER COMPANY

13290190 Pine Creek nr Oxbow Dam, OR

LOCATION.--Lat. 44°46'40", long. 117°17'30", in NW1/4 Sec. 9, T. 7S, R. 48E, Baker County, Oregon, Hydrologic Unit 17050201, on right bank at Hwy 71 crossing, at mile 0.5.

PERIOD OF RECORD.--March 1996 to current year. Station previously operated by USGS 1966 to 1996.

GAGE.--Water-stage recorder.

DISCHARGE (CFS), WATER YEAR 1997

MEAN DAILY VALUES

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	70	88	293	7000	320	380	900	1100	1850	490	97	88
2	68	86	278	3600	310	420	850	1050	1700	480	96	86
3	65	84	260	2200	300	450	740	960	1650	460	96	95
4	62	82	232	1350	280	420	700	1050	1650	440	95	110
5	60	80	245	1000	270	380	620	1150	1650	410	95	105
6	60	79	238	800	280	360	550	1200	1600	380	94	100
7	58	83	228	700	280	360	520	1300	1550	370	94	96
8	56	86	307	600	290	370	510	1400	1600	350	94	90
9	55	83	600	560	300	370	510	1600	1800	320	93	86
10	53	83	1000	520	310	360	500	1650	2000	550	95	80
11	50	83	900	490	320	400	500	1700	2200	500	97	88
12	50	83	800	470	330	420	480	1800	2000	465	110	92
13	50	83	750	450	340	400	490	1900	1900	420	105	110
14	70	86	626	440	330	380	520	2200	1700	400	105	105
15	65	86	528	430	330	410	560	2600	1400	360	105	110
16	63	85	474	400	320	400	610	2800	1300	330	100	115
17	60	86	401	400	320	500	880	3200	1200	380	100	120
18	72	120	357	380	320	600	980	2700	1100	420	98	130
19	80	1290	340	360	320	720	1400	2300	1000	470	98	120
20	78	793	330	350	320	920	2100	2000	920	350	96	115
21	76	438	317	340	330	1500	3000	1500	860	300	95	115
22	80	427	297	340	340	1550	2200	1300	790	270	93	110
23	85	358	277	330	350	1500	1900	1250	740	240	90	110
24	100	349	269	320	370	1450	1700	1250	670	220	110	105
25	105	340	286	310	400	1400	1600	1200	600	190	120	105
26	105	283	277	300	400	1360	1500	1150	580	180	115	110
27	100	266	299	280	390	1370	1600	1100	560	160	110	110
28	97	312	378	260	380	1300	1500	1100	540	130	100	110
29	95	304	600	250	---	1200	1400	1200	520	110	97	105
30	90	269	1000	270	---	1100	1200	1500	500	100	93	100
31	90	---	3000	280	---	1000	---	2000	---	98	90	---
TOTAL	2268	6975	16187	25780	9150	23750	32520	50210	38130	10343	3076	3121
MEAN	73.2	232.3	522.2	831.6	326.8	766.1	1084	1620	1271	333.6	99.2	104.0
MAX	105	1290	3000	7000	400	1550	3000	3200	2200	550	120	130
MIN	50	79	228	250	270	360	480	960	500	98	90	80
AC-FT	4499	13830	32110	51130	18150	47110	64500	99590	75630	20520	6101	6190
CAL YEAR 1996	TOTAL		35495	MEAN	192.9	MAX	3000	MIN	39.0	AC-FT	70400	
WTR YEAR 1997	TOTAL		221510	MEAN	606.9	MAX	7000	MIN	50.0	AC-FT	439400	