

Minimum, Mean, and Maximum Simulated Flows (October 1950 through September 2005) Trout Creek at Trout Creek Dam

Month	Minimum Flow		Mean Flow	Maximum Flow	
	Year	cfs	cfs	Year	cfs
January	1968	2.3	6.8	1971	12.3
February	1970	1.2	6.6	1974	12.1
March	1984	3.2	9.6	1965	46.0
April	1964	7.9	27.0	1962	72.7
May	1977	16.1	106.9	1984	203.3
June	1977	19.4	112.6	1995	229.6
July	2002	3.2	29.2	1995	112.1
August	2002	2.2	7.5	1982	21.8
September	2002	1.5	5.7	1997	30.3
October	1975	1.3	8.1	1962	25.0
November	1964	5.9	8.8	1984	16.7
December	1977	2.6	8.0	1969	13.3
Average	N/A	N/A	28.1	N/A	N/A

Source: CDSS, 2012.

Notes:

cfs = cubic feet per second

N/A = not applicable

Trout Creek Reservoir Simulated Inflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
cubic feet per second (cfs)													
1950	8.2	9.5	8.6	7.0	7.7	6.4	28.3	82.2	155.1	27.7	5.0	4.9	29.2
1951	4.7	7.4	7.5	6.4	4.9	5.6	17.4	98.5	104.1	42.5	9.2	3.3	26.1
1952	9.5	7.5	6.9	6.1	5.0	4.7	31.2	155.2	168.6	12.6	8.6	5.5	35.2
1953	3.2	6.0	4.8	4.8	4.7	5.8	12.6	49.4	116.6	17.1	7.0	3.6	19.6
1954	2.6	7.3	5.8	5.4	5.7	5.1	28.7	69.7	29.4	8.9	4.3	5.2	14.9
1955	9.7	6.7	5.7	4.8	4.3	6.2	34.9	82.0	74.2	13.2	8.1	3.2	21.1
1956	5.5	7.3	6.7	6.2	5.5	7.4	45.7	142.6	101.8	16.1	5.2	3.7	29.6
1957	3.4	6.1	5.3	4.9	4.7	5.2	10.7	84.4	206.6	107.2	18.2	9.0	38.9
1958	11.0	11.7	9.7	8.4	7.9	6.8	16.0	154.9	120.0	10.5	5.1	4.7	30.7
1959	5.2	6.1	5.6	4.9	4.5	4.5	12.8	66.1	101.7	11.9	8.1	8.2	20.0
1960	16.2	11.7	6.5	6.2	5.9	7.5	49.3	93.4	97.7	11.2	4.9	3.4	26.2
1961	5.3	6.7	4.7	4.2	4.1	5.9	11.0	72.8	54.2	10.4	5.2	18.3	16.9
1962	25.0	15.0	10.7	8.0	8.2	6.2	72.7	145.1	103.9	30.9	12.7	5.1	37.1
1963	8.3	7.6	6.0	5.6	5.9	5.8	17.2	71.6	57.2	10.6	7.2	3.4	17.3
1964	2.1	5.9	4.1	4.1	4.2	4.0	7.9	99.0	100.1	24.5	11.5	5.4	22.8
1965	2.6	6.3	5.9	5.6	5.4	46.0	15.7	115.5	170.8	61.5	20.4	15.4	39.4
1966	14.1	6.5	10.3	3.0	9.2	12.2	36.0	90.3	43.0	9.3	5.3	2.6	20.2
1967	4.2	6.7	5.1	5.0	9.3	9.2	17.0	87.9	130.3	42.4	5.4	2.3	27.1
1968	7.4	7.6	8.9	2.3	6.4	7.4	10.1	71.4	155.2	21.4	7.7	2.9	25.7
1969	10.4	10.2	13.3	5.5	9.0	12.0	39.4	129.2	73.0	22.1	11.7	13.2	29.2
1970	6.5	10.2	10.6	9.6	1.2	7.0	11.1	128.1	156.2	48.5	8.8	7.6	33.9
1971	13.8	10.1	11.7	12.3	3.8	13.3	30.1	114.2	168.6	37.8	8.0	6.9	35.9
1972	9.6	11.4	12.6	5.2	8.8	15.2	22.9	84.8	89.1	10.4	6.0	5.6	23.5
1973	7.8	9.2	11.8	3.8	7.3	8.3	13.3	113.6	114.1	29.4	7.4	5.7	27.7
1974	5.3	10.0	10.9	3.6	12.1	8.0	24.4	189.1	117.3	6.2	4.2	2.3	32.9
1975	1.3	6.6	9.0	2.9	6.5	8.7	12.0	102.8	173.1	73.9	12.5	2.9	34.4

Trout Creek Reservoir Simulated Inflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1976	3.6	8.8	10.4	6.0	3.8	9.7	25.0	93.1	57.6	10.5	4.3	2.1	19.7
1977	2.7	6.4	2.6	8.6	6.1	4.6	18.6	16.1	19.4	4.4	3.4	2.2	7.9
1978	5.0	7.8	5.6	3.9	4.3	6.0	24.9	119.0	221.8	74.0	8.3	2.7	40.3
1979	6.3	7.7	6.8	5.9	3.8	4.7	19.7	127.2	141.6	37.6	4.5	2.8	30.8
1980	6.2	7.9	7.0	5.4	6.4	5.4	14.4	142.5	162.3	27.2	4.2	2.3	32.7
1981	5.0	8.1	6.0	5.9	6.4	6.7	16.5	42.3	46.4	9.6	4.8	2.7	13.4
1982	11.3	8.2	9.8	5.9	7.6	9.9	27.8	119.6	144.3	86.9	21.8	17.5	39.4
1983	16.4	15.8	9.7	8.3	8.0	12.0	16.7	101.6	222.1	95.1	14.4	6.5	43.9
1984	17.2	16.7	11.4	8.8	7.0	3.2	13.7	203.3	206.0	90.0	14.7	13.8	50.7
1985	14.5	9.1	11.1	11.4	6.0	3.5	58.3	152.1	107.1	17.2	6.7	3.0	33.4
1986	11.9	9.7	12.6	10.2	7.3	10.0	67.8	146.2	190.2	54.3	18.2	14.3	46.1
1987	22.1	14.5	10.1	11.0	8.2	5.6	36.1	57.7	24.4	5.2	3.5	3.0	16.8
1988	4.7	10.4	8.6	8.1	7.8	5.2	25.9	98.8	96.5	7.9	4.8	3.8	23.6
1989	2.2	7.6	7.3	5.3	7.0	10.1	38.3	56.1	37.0	8.6	5.3	2.4	15.6
1990	4.1	6.8	6.6	6.3	6.1	6.6	36.5	48.5	84.2	8.8	6.5	5.2	18.8
1991	5.5	6.3	4.2	6.8	5.3	8.3	13.8	89.6	93.3	8.3	4.8	3.9	20.9
1992	4.9	8.2	6.0	7.6	7.2	11.9	24.7	77.2	27.6	13.0	4.4	2.4	16.4
1993	6.9	8.7	8.1	8.0	7.2	11.1	29.1	152.8	157.2	43.2	3.6	4.3	36.8
1994	8.4	8.4	8.1	7.6	7.4	14.9	30.7	83.0	28.4	4.7	4.4	2.3	17.4
1995	3.3	6.7	5.9	6.7	3.8	12.0	15.9	124.2	229.6	112.1	9.4	7.1	44.8
1996	9.2	11.5	8.7	9.4	9.0	12.2	32.7	145.8	142.5	30.7	5.2	6.4	35.4
1997	8.9	11.4	9.6	9.8	7.8	16.8	27.8	166.0	225.8	38.7	17.3	30.3	47.6
1998	21.7	13.5	9.7	10.5	10.4	21.9	30.0	120.3	113.7	42.0	5.3	2.6	33.6
1999	7.7	10.9	8.4	9.4	8.3	16.9	36.7	129.6	130.7	30.4	4.1	6.5	33.4
2000	8.2	7.1	8.4	8.9	7.2	11.2	40.7	137.7	61.5	5.5	3.9	2.4	25.4
2001	4.9	6.6	7.5	7.0	7.8	12.2	32.9	141.8	40.8	4.4	3.2	2.0	22.7
2002	6.2	6.2	7.2	6.7	5.9	9.3	21.7	50.6	22.8	3.2	2.2	1.5	12.0
2003	5.4	7.4	4.9	6.9	6.8	10.6	40.5	148.4	105.6	7.3	4.6	1.9	29.3

Trout Creek Reservoir Simulated Inflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2004	3.1	7.7	7.4	7.6	6.6	19.7	29.9	72.9	45.8	10.0	3.3	8.0	18.6
2005	12.4	11.2	9.5	9.6	6.5	11.0	38.4	127.1	139.1	28.2	3.2	1.9	33.2
Average	8.1	8.8	8.0	6.8	6.5	9.6	27.0	106.9	112.6	29.2	7.5	5.7	28.1
Minimum	1.3	5.9	2.6	2.3	1.2	3.2	7.9	16.1	19.4	3.2	2.2	1.5	7.9
Maximum	25.0	16.7	13.3	12.3	12.1	46.0	72.7	203.3	229.6	112.1	21.8	30.3	50.7
acre-feet													
1950	507	564	531	431	426	395	1,686	5,055	9,227	1,704	310	291	21,127
1951	288	440	463	394	274	344	1,036	6,054	6,196	2,616	567	199	18,871
1952	585	447	424	373	285	288	1,858	9,542	10,032	777	529	325	25,465
1953	199	357	295	294	263	359	751	3,035	6,936	1,053	433	215	14,190
1954	160	434	354	335	318	314	1,710	4,283	1,750	546	266	307	10,777
1955	595	397	351	296	239	379	2,078	5,044	4,417	813	501	188	15,298
1956	337	434	411	381	317	458	2,721	8,766	6,060	987	318	220	21,410
1957	212	365	324	302	261	322	639	5,189	12,296	6,590	1,119	535	28,154
1958	674	697	594	518	437	419	951	9,522	7,141	646	316	281	22,196
1959	318	361	347	301	248	276	761	4,066	6,052	729	497	488	14,444
1960	995	694	400	381	340	463	2,934	5,745	5,815	690	301	202	18,960
1961	328	397	288	257	226	362	653	4,477	3,225	642	320	1,088	12,263
1962	1,540	890	655	494	455	384	4,327	8,923	6,181	1,901	782	301	26,833
1963	512	454	369	347	325	354	1,024	4,403	3,405	654	440	204	12,491
1964	132	351	254	252	241	244	470	6,090	5,954	1,507	710	319	16,524
1965	161	372	360	347	299	2,829	935	7,103	10,166	3,783	1,256	916	28,527
1966	868	388	632	184	510	753	2,141	5,555	2,561	574	325	153	14,644
1967	256	397	314	310	517	566	1,013	5,403	7,756	2,605	335	139	19,611
1968	455	450	549	140	369	453	599	4,392	9,234	1,315	473	171	18,600
1969	639	608	818	336	498	735	2,346	7,942	4,346	1,360	719	786	21,133
1970	397	606	651	588	69	431	660	7,874	9,296	2,985	542	454	24,553
1971	847	599	718	754	211	815	1,791	7,021	10,035	2,322	489	412	26,014

Trout Creek Reservoir Simulated Inflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1972	590	676	772	322	509	934	1,361	5,216	5,303	641	367	334	17,025
1973	480	546	727	236	406	511	791	6,988	6,792	1,807	456	341	20,081
1974	327	597	673	223	673	493	1,450	11,630	6,980	380	259	134	23,819
1975	82	395	555	176	363	536	716	6,321	10,302	4,541	768	175	24,930
1976	221	521	640	368	218	599	1,489	5,726	3,426	645	265	125	14,243
1977	169	381	161	530	340	284	1,106	989	1,152	272	212	132	5,728
1978	306	466	344	238	239	369	1,484	7,318	13,198	4,552	512	158	29,184
1979	389	456	416	364	213	289	1,171	7,819	8,427	2,314	275	169	22,302
1980	381	468	431	329	371	335	855	8,765	9,655	1,674	261	138	23,663
1981	305	482	371	361	358	415	979	2,598	2,759	592	297	159	9,676
1982	692	486	602	362	420	611	1,656	7,357	8,588	5,345	1,341	1,040	28,500
1983	1,008	942	594	513	442	740	995	6,245	13,214	5,849	883	388	31,813
1984	1,059	992	700	540	400	198	815	12,501	12,257	5,535	902	822	36,721
1985	894	541	681	702	333	217	3,468	9,351	6,372	1,059	413	178	24,209
1986	734	576	773	629	408	612	4,034	8,990	11,319	3,340	1,122	849	33,386
1987	1,360	864	624	678	455	346	2,149	3,545	1,453	319	218	178	12,189
1988	289	621	531	499	448	320	1,544	6,074	5,740	484	294	227	17,071
1989	137	453	451	328	387	621	2,281	3,451	2,202	528	327	145	11,311
1990	255	405	408	387	339	407	2,171	2,984	5,009	541	402	311	13,619
1991	336	374	260	419	292	513	822	5,510	5,551	513	295	230	15,115
1992	304	490	370	470	416	729	1,472	4,747	1,641	800	272	145	11,856
1993	423	518	499	493	398	685	1,731	9,398	9,356	2,659	220	254	26,634
1994	515	501	496	466	412	914	1,826	5,101	1,690	290	269	139	12,619
1995	200	398	361	412	212	739	945	7,635	13,660	6,894	577	423	32,456
1996	566	685	532	576	519	748	1,948	8,963	8,478	1,885	317	379	25,596
1997	546	681	592	605	432	1,036	1,657	10,208	13,435	2,381	1,062	1,801	34,436
1998	1,333	805	597	647	578	1,346	1,784	7,398	6,768	2,583	328	153	24,320
1999	473	648	519	579	460	1,038	2,186	7,968	7,779	1,871	251	388	24,160

Trout Creek Reservoir Simulated Inflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2000	502	424	517	547	414	687	2,419	8,465	3,660	336	240	142	18,353
2001	299	392	462	431	433	749	1,956	8,721	2,426	271	197	117	16,454
2002	382	371	442	415	325	572	1,293	3,109	1,357	196	134	89	8,685
2003	331	442	301	425	379	654	2,410	9,122	6,283	446	280	111	21,184
2004	193	459	453	465	380	1,214	1,781	4,481	2,723	613	205	477	13,444
2005	764	668	584	589	360	674	2,287	7,815	8,278	1,734	198	114	24,065
Average	497	525	492	417	365	591	1,609	6,571	6,702	1,798	464	342	20,374
Minimum	82	351	161	140	69	198	470	989	1,152	196	134	89	5,728
Maximum	1,540	992	818	754	673	2,829	4,327	12,501	13,660	6,894	1,341	1,801	36,721

Source: CDSS, 2012.

Trout Creek Reservoir Simulated Outflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
cubic feet per second (cfs)													
1950	8.1	8.4	8.1	8.1	9.0	8.1	10.2	80.4	151.5	22.8	8.1	8.4	27.6
1951	8.1	8.4	8.1	8.1	9.0	8.1	8.4	75.6	100.7	37.6	8.1	8.4	24.1
1952	8.1	8.4	8.1	8.1	8.7	8.1	8.4	151.5	165.0	8.1	8.1	8.4	33.3
1953	8.1	8.4	8.1	8.1	9.0	8.1	8.4	18.5	113.2	12.2	8.1	12.0	18.4
1954	8.1	8.4	8.1	8.1	9.0	8.1	8.4	50.3	25.9	8.5	12.5	8.4	13.7
1955	8.1	8.4	8.1	8.1	9.0	8.1	8.4	67.9	70.7	8.3	8.1	11.6	18.8
1956	8.1	8.4	8.1	8.1	8.7	15.6	8.4	140.2	98.3	11.1	8.1	12.1	28.1
1957	8.1	8.4	8.1	8.1	9.0	8.1	8.4	43.8	203.3	102.2	13.4	8.4	35.8
1958	8.1	8.4	8.2	8.4	9.0	8.1	13.2	153.0	116.4	8.1	13.3	8.4	30.3
1959	8.1	8.4	8.1	8.1	9.0	8.1	8.4	25.5	98.4	8.1	8.1	16.6	17.8
1960	8.1	8.4	8.1	8.1	8.7	8.1	33.6	91.6	94.1	8.1	13.0	11.8	25.2
1961	8.1	8.4	8.1	8.1	9.0	8.1	8.4	26.8	50.9	8.1	13.3	8.4	13.8
1962	12.7	13.3	10.7	8.1	9.0	14.4	63.2	143.3	100.3	26.0	8.1	13.4	35.3
1963	8.1	8.4	8.1	8.1	9.0	8.1	8.4	54.0	53.7	8.1	13.1	11.8	16.6
1964	10.3	8.4	8.1	8.1	8.7	8.1	8.4	43.2	96.8	19.6	8.1	9.3	19.8
1965	8.1	8.4	8.1	8.1	9.0	20.2	15.0	113.7	167.3	56.6	15.6	11.7	36.9
1966	11.0	8.4	8.1	8.1	9.0	9.1	35.2	88.5	39.4	8.3	13.4	11.0	20.9
1967	8.1	8.4	8.1	8.1	9.0	8.1	8.4	53.7	127.0	37.4	8.1	8.4	24.4
1968	8.1	8.4	8.1	8.1	8.7	8.1	8.4	42.9	151.8	16.5	8.1	8.4	23.7
1969	8.1	8.4	8.1	8.1	9.0	8.1	33.4	127.3	69.5	17.2	8.1	8.4	26.3
1970	8.1	8.4	8.1	8.7	9.0	8.1	8.4	120.3	152.7	43.6	8.1	8.4	32.7
1971	8.1	8.4	8.1	11.5	9.0	8.9	29.3	112.3	165.1	32.8	8.1	8.4	34.2
1972	8.1	8.4	8.1	8.1	8.7	10.0	22.1	83.0	85.5	8.1	13.1	8.4	22.7
1973	8.1	8.4	8.1	8.1	9.0	8.1	8.4	92.4	110.7	24.4	8.1	8.4	25.2
1974	8.1	8.4	8.1	8.1	9.0	8.1	10.0	187.3	113.7	8.1	8.1	10.7	32.5
1975	8.1	8.4	8.1	8.1	9.0	8.1	8.4	61.1	169.8	68.9	8.1	8.4	31.2
1976	8.1	8.4	8.1	8.1	8.7	8.1	8.4	89.0	54.0	8.8	8.1	8.4	19.0

Trout Creek Reservoir Simulated Outflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1977	8.1	8.4	10.7	8.1	9.0	8.1	8.4	8.1	8.4	12.6	11.6	10.6	9.4
1978	8.1	8.4	13.1	8.1	9.0	8.1	8.4	52.8	218.6	69.1	8.1	8.4	35.0
1979	8.1	8.4	8.1	8.1	9.0	8.1	8.4	106.4	138.2	32.7	8.1	11.2	29.6
1980	8.1	8.4	8.1	13.1	8.7	8.1	8.4	108.4	158.9	22.3	8.1	10.7	31.0
1981	8.1	8.4	11.5	8.1	9.0	8.1	8.4	11.0	43.0	8.1	13.0	11.1	12.3
1982	8.1	8.4	8.1	8.1	9.0	8.1	8.4	109.6	140.8	82.0	17.0	13.8	35.3
1983	13.3	14.2	9.7	8.3	9.0	11.5	15.9	99.7	218.5	90.2	9.5	8.4	42.4
1984	8.8	15.0	11.4	8.8	8.7	8.1	8.4	199.7	202.4	85.1	9.9	10.1	48.3
1985	11.5	8.4	10.3	11.4	9.0	8.1	50.3	150.2	103.5	12.3	8.1	8.4	32.7
1986	8.1	8.4	8.1	8.1	9.0	8.1	62.5	144.4	186.6	49.4	13.4	10.6	43.1
1987	19.0	12.9	10.1	11.0	9.0	8.1	32.4	55.8	20.8	8.1	8.1	8.4	17.0
1988	8.1	8.4	8.1	8.1	8.7	8.1	8.4	81.5	93.0	10.7	12.9	8.9	22.1
1989	10.4	8.4	8.1	8.1	9.0	8.1	8.4	40.1	33.5	8.1	13.1	10.8	13.9
1990	12.3	8.4	8.1	8.1	9.0	8.1	8.4	26.3	80.7	8.1	14.7	13.6	17.1
1991	8.1	8.4	8.1	8.1	9.0	8.1	8.4	49.4	90.0	8.1	8.1	8.4	18.5
1992	8.1	8.4	8.1	8.1	8.7	8.1	8.4	65.0	24.1	8.1	12.6	10.8	15.0
1993	8.1	8.4	8.1	8.1	9.0	8.1	8.4	144.8	153.7	38.3	8.1	8.4	34.4
1994	8.1	8.4	8.1	8.1	9.0	8.1	16.3	81.2	24.8	12.8	12.5	10.7	17.4
1995	8.1	8.4	8.1	8.1	9.0	8.1	8.4	79.5	226.2	107.2	8.1	8.4	40.7
1996	8.1	8.4	8.1	8.1	8.7	8.7	32.0	143.9	138.9	25.7	8.1	8.4	34.0
1997	8.1	8.4	8.1	8.1	9.0	8.1	27.1	164.2	222.2	33.8	12.5	26.6	44.7
1998	18.6	11.9	9.7	10.5	10.4	21.9	29.2	118.5	110.2	37.1	8.1	11.0	33.2
1999	8.1	8.4	8.1	8.1	9.0	8.1	26.8	127.7	127.1	25.5	8.1	8.4	31.2
2000	8.1	8.4	8.1	8.1	8.7	8.1	25.4	135.9	57.9	8.1	12.0	8.4	24.9
2001	8.1	8.4	8.1	8.1	9.0	8.1	8.4	128.3	37.3	8.1	11.3	10.4	21.3
2002	8.1	8.4	8.1	8.1	9.0	8.1	8.4	18.8	19.4	11.3	10.3	9.9	10.7
2003	8.1	8.4	8.1	8.1	9.0	8.1	8.4	130.8	102.1	8.1	12.7	10.3	26.9

Trout Creek Reservoir Simulated Outflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2004	8.1	8.4	8.1	8.1	8.7	8.1	8.4	62.4	42.2	8.1	11.5	8.4	16.0
2005	8.1	8.4	8.1	8.1	9.0	8.1	26.7	125.3	135.5	23.3	8.1	10.3	31.6
Average	9.0	8.9	8.6	8.5	9.0	9.0	16.1	91.2	109.0	26.6	10.3	10.2	26.4
Minimum	8.1	8.4	8.1	8.1	8.7	8.1	8.4	8.1	8.4	8.1	8.1	8.4	9.4
Maximum	19.0	15.0	13.1	13.1	10.4	21.9	63.2	199.7	226.2	107.2	17.0	26.6	48.3
acre-feet													
1950	500	500	500	500	500	500	605	4,944	9,014	1,400	500	500	19,963
1951	500	500	500	500	500	500	500	4,650	5,991	2,313	500	500	17,454
1952	500	500	500	500	500	500	500	9,317	9,819	500	500	500	24,136
1953	500	500	500	500	500	500	500	1,136	6,734	749	500	715	13,334
1954	500	500	500	500	500	500	500	3,095	1,544	521	766	500	9,926
1955	500	500	500	500	500	500	500	4,177	4,208	510	500	688	13,583
1956	500	500	500	500	500	958	500	8,620	5,847	684	500	720	20,329
1957	500	500	500	500	500	500	500	2,693	12,098	6,286	823	500	25,900
1958	500	500	502	518	500	500	784	9,408	6,928	500	816	501	21,957
1959	500	500	500	500	500	500	500	1,569	5,854	500	500	988	12,911
1960	500	500	500	500	500	500	1,997	5,634	5,602	500	801	702	18,236
1961	500	500	500	500	500	500	500	1,645	3,029	500	820	500	9,994
1962	779	793	655	500	500	884	3,760	8,811	5,968	1,597	500	798	25,545
1963	500	500	500	500	500	500	500	3,323	3,198	500	807	704	12,032
1964	632	500	500	500	500	500	500	2,657	5,762	1,204	500	554	14,309
1965	500	500	500	500	500	1,239	891	6,989	9,953	3,479	961	696	26,708
1966	678	500	500	500	500	560	2,095	5,441	2,347	512	825	653	15,111
1967	500	500	500	500	500	500	500	3,305	7,556	2,301	500	500	17,662
1968	500	500	500	500	500	500	500	2,639	9,031	1,012	500	500	17,182
1969	500	500	500	500	500	500	1,989	7,829	4,133	1,057	500	500	19,008
1970	500	500	500	536	500	500	500	7,400	9,085	2,681	500	500	23,702
1971	500	500	500	709	500	548	1,745	6,906	9,822	2,019	500	500	24,749

Trout Creek Reservoir Simulated Outflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1972	500	500	500	500	500	612	1,316	5,102	5,090	500	807	500	16,427
1973	500	500	500	500	500	500	500	5,682	6,586	1,503	500	500	18,271
1974	500	500	500	500	500	500	594	11,519	6,767	500	500	634	23,514
1975	500	500	500	500	500	500	500	3,754	10,104	4,237	500	500	22,595
1976	500	500	500	500	500	500	500	5,471	3,214	539	500	500	13,724
1977	500	500	661	500	500	500	500	500	500	772	712	632	6,777
1978	500	500	807	500	500	500	500	3,248	13,010	4,248	500	500	25,313
1979	500	500	500	500	500	500	500	6,541	8,221	2,011	500	669	21,442
1980	500	500	500	807	500	500	500	6,665	9,454	1,370	500	638	22,434
1981	500	500	710	500	500	500	500	678	2,557	500	797	659	8,901
1982	500	500	500	500	500	500	500	6,741	8,378	5,041	1,046	820	25,526
1983	818	843	594	513	500	705	949	6,131	13,000	5,545	587	500	30,685
1984	540	895	700	540	500	500	500	12,279	12,044	5,231	606	602	34,937
1985	705	500	631	702	500	500	2,995	9,238	6,159	756	500	500	23,686
1986	500	500	500	500	500	500	3,721	8,877	11,106	3,037	827	629	31,197
1987	1,170	765	624	678	500	500	1,927	3,431	1,240	500	500	500	12,335
1988	500	500	500	500	500	500	500	5,011	5,533	656	794	530	16,024
1989	637	500	500	500	500	500	500	2,465	1,994	500	807	645	10,048
1990	755	500	500	500	500	500	500	1,616	4,804	500	902	811	12,388
1991	500	500	500	500	500	500	500	3,038	5,353	500	500	500	13,391
1992	500	500	500	500	500	500	500	3,994	1,432	500	772	645	10,843
1993	500	500	500	500	500	500	500	8,901	9,145	2,356	500	500	24,902
1994	500	500	500	500	500	500	967	4,990	1,477	790	769	639	12,632
1995	500	500	500	500	500	500	500	4,890	13,463	6,590	500	500	29,443
1996	500	500	500	500	500	534	1,903	8,849	8,265	1,581	500	500	24,632
1997	500	500	500	500	500	500	1,610	10,094	13,222	2,077	767	1,581	32,351
1998	1,143	706	597	647	578	1,346	1,739	7,284	6,555	2,279	500	653	24,027
1999	500	500	500	500	500	500	1,595	7,855	7,566	1,567	500	500	22,583

Trout Creek Reservoir Simulated Outflows

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2000	500	500	500	500	500	500	1,510	8,354	3,447	500	740	500	18,051
2001	500	500	500	500	500	500	500	7,889	2,217	500	697	617	15,420
2002	500	500	500	500	500	500	500	1,156	1,155	696	634	589	7,730
2003	500	500	500	500	500	500	500	8,044	6,075	500	780	611	19,510
2004	500	500	500	500	500	500	500	3,834	2,513	500	705	500	11,552
2005	500	500	500	500	500	500	1,586	7,703	8,065	1,430	500	614	22,898
Average	551	527	526	521	501	552	960	5,607	6,486	1,636	632	606	19,106
Minimum	500	500	500	500	500	500	500	500	500	500	500	500	6,777
Maximum	1,170	895	807	807	578	1,346	3,760	12,279	13,463	6,590	1,046	1,581	34,937

Source: CDSS, 2012.

Simulated Change in Stream Flows below Trout Creek Reservoir

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
cubic feet per second (cfs)													
1950	-0.1	-1.1	-0.5	1.1	1.3	1.7	-18.2	-1.8	-3.6	-4.9	3.1	3.5	-1.6
1951	3.4	1.0	0.6	1.7	4.1	2.5	-9.0	-22.8	-3.4	-4.9	-1.1	5.1	-2.0
1952	-1.4	0.9	1.2	2.1	3.7	3.4	-22.8	-3.7	-3.6	-4.5	-0.5	2.9	-1.8
1953	4.9	2.4	3.3	3.4	4.3	2.3	-4.2	-30.9	-3.4	-4.9	1.1	8.4	-1.2
1954	5.5	1.1	2.4	2.7	3.3	3.0	-20.3	-19.3	-3.5	-0.4	8.1	3.2	-1.2
1955	-1.5	1.7	2.4	3.3	4.7	2.0	-26.5	-14.1	-3.5	-4.9	0.0	8.4	-2.4
1956	2.7	1.1	1.4	1.9	3.2	8.1	-37.3	-2.4	-3.6	-4.9	3.0	8.4	-1.5
1957	4.7	2.3	2.9	3.2	4.3	2.9	-2.3	-40.6	-3.3	-4.9	-4.8	-0.6	-3.1
1958	-2.8	-3.3	-1.5	0.0	1.1	1.3	-2.8	-1.9	-3.6	-2.4	8.1	3.7	-0.3
1959	3.0	2.3	2.5	3.2	4.5	3.6	-4.4	-40.6	-3.3	-3.7	0.0	8.4	-2.1
1960	-8.1	-3.3	1.6	1.9	2.8	0.6	-15.7	-1.8	-3.6	-3.1	8.1	8.4	-1.0
1961	2.8	1.7	3.4	4.0	4.9	2.2	-2.6	-46.1	-3.3	-2.3	8.1	-9.9	-3.1
1962	-12.4	-1.6	0.0	0.1	0.8	8.1	-9.5	-1.8	-3.6	-4.9	-4.6	8.4	-1.8
1963	-0.2	0.8	2.1	2.5	3.2	2.4	-8.8	-17.6	-3.5	-2.5	6.0	8.4	-0.6
1964	8.1	2.5	4.0	4.0	4.5	4.2	0.5	-55.8	-3.2	-4.9	-3.4	3.9	-3.1
1965	5.5	2.2	2.3	2.5	3.6	-25.9	-0.7	-1.9	-3.6	-4.9	-4.8	-3.7	-2.5
1966	-3.1	1.9	-2.1	5.1	-0.2	-3.1	-0.8	-1.9	-3.6	-1.0	8.1	8.4	0.6
1967	4.0	1.7	3.0	3.1	-0.3	-1.1	-8.6	-34.1	-3.4	-4.9	2.7	6.1	-2.7
1968	0.7	0.8	-0.8	5.9	2.3	0.8	-1.7	-28.5	-3.4	-4.9	0.4	5.5	-2.0
1969	-2.3	-1.8	-5.2	2.7	0.0	-3.8	-6.0	-1.8	-3.6	-4.9	-3.6	-4.8	-2.9
1970	1.7	-1.8	-2.5	-0.8	7.8	1.1	-2.7	-7.7	-3.5	-4.9	-0.7	0.8	-1.2
1971	-5.6	-1.7	-3.5	-0.7	5.2	-4.3	-0.8	-1.9	-3.6	-4.9	0.2	1.5	-1.7
1972	-1.5	-3.0	-4.4	2.9	-0.2	-5.2	-0.8	-1.9	-3.6	-2.3	7.2	2.8	-0.8
1973	0.3	-0.8	-3.7	4.3	1.7	-0.2	-4.9	-21.2	-3.5	-4.9	0.7	2.7	-2.5
1974	2.8	-1.6	-2.8	4.5	-3.1	0.1	-14.4	-1.8	-3.6	2.0	3.9	8.4	-0.4
1975	6.8	1.8	-0.9	5.3	2.5	-0.6	-3.6	-41.7	-3.3	-4.9	-4.4	5.5	-3.2

Simulated Change in Stream Flows below Trout Creek Reservoir

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
1976	4.5	-0.4	-2.3	2.1	4.9	-1.6	-16.6	-4.1	-3.6	-1.7	2.8	6.3	-0.8
1977	5.4	2.0	8.1	-0.5	2.9	3.5	-10.2	-8.0	-11.0	8.1	8.1	8.1	1.4
1978	3.2	0.6	7.5	4.3	4.7	2.1	-16.5	-66.2	-3.2	-4.9	-0.2	5.7	-5.3
1979	1.8	0.7	1.4	2.2	5.2	3.4	-11.3	-20.8	-3.5	-4.9	3.7	8.0	-1.2
1980	1.9	0.5	1.1	7.8	2.2	2.7	-6.0	-34.2	-3.4	-4.9	3.9	8.2	-1.7
1981	3.2	0.3	5.5	2.3	2.6	1.4	-8.0	-31.2	-3.4	-1.5	8.1	8.4	-1.1
1982	-3.1	0.2	-1.7	2.2	1.4	-1.8	-19.4	-10.0	-3.5	-4.9	-4.8	-3.7	-4.1
1983	-3.1	-1.7	0.0	0.0	1.0	-0.6	-0.8	-1.9	-3.6	-4.9	-4.8	1.9	-1.6
1984	-8.4	-1.6	0.0	0.0	1.7	4.9	-5.3	-3.6	-3.6	-4.9	-4.8	-3.7	-2.5
1985	-3.1	-0.7	-0.8	0.0	3.0	4.6	-7.9	-1.8	-3.6	-4.9	1.4	5.4	-0.7
1986	-3.8	-1.3	-4.4	-2.1	1.7	-1.8	-5.3	-1.8	-3.6	-4.9	-4.8	-3.7	-3.0
1987	-3.1	-1.7	0.0	0.0	0.8	2.5	-3.7	-1.9	-3.6	2.9	4.6	5.4	0.2
1988	3.4	-2.0	-0.5	0.0	0.9	2.9	-17.5	-17.3	-3.5	2.8	8.1	5.1	-1.4
1989	8.1	0.8	0.8	2.8	2.0	-2.0	-29.9	-16.0	-3.5	-0.5	7.8	8.4	-1.7
1990	8.1	1.6	1.5	1.8	2.9	1.5	-28.1	-22.2	-3.4	-0.7	8.1	8.4	-1.7
1991	2.7	2.1	3.9	1.3	3.7	-0.2	-5.4	-40.2	-3.3	-0.2	3.3	4.5	-2.4
1992	3.2	0.2	2.1	0.5	1.5	-3.7	-16.3	-12.2	-3.5	-4.9	8.1	8.4	-1.4
1993	1.3	-0.3	0.0	0.1	1.8	-3.0	-20.7	-8.1	-3.5	-4.9	4.4	4.1	-2.4
1994	-0.2	0.0	0.1	0.6	1.6	-6.7	-14.4	-1.8	-3.6	8.1	8.1	8.2	0.0
1995	4.9	1.7	2.3	1.4	5.2	-3.9	-7.5	-44.6	-3.3	-4.9	-1.3	1.3	-4.2
1996	-1.1	-3.1	-0.5	-1.2	-0.3	-3.5	-0.8	-1.9	-3.6	-4.9	2.9	2.0	-1.3
1997	-0.7	-3.0	-1.5	-1.7	1.2	-8.7	-0.8	-1.9	-3.6	-4.9	-4.8	-3.7	-2.9
1998	-3.1	-1.7	0.0	0.0	0.0	0.0	-0.8	-1.9	-3.6	-4.9	2.8	8.0	-0.4
1999	0.4	-2.5	-0.3	-1.3	0.7	-8.7	-9.9	-1.8	-3.6	-4.9	4.0	1.9	-2.2
2000	0.0	1.3	-0.3	-0.8	1.5	-3.0	-15.3	-1.8	-3.6	1.7	8.1	6.0	-0.5

Simulated Change in Stream Flows below Trout Creek Reservoir

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
2001	3.3	1.8	0.6	1.1	1.2	-4.0	-24.5	-13.5	-3.5	1.9	8.2	8.4	-1.6
2002	1.9	2.2	1.0	1.4	3.2	-1.2	-13.3	-31.8	-3.4	8.1	8.1	8.1	-1.3
2003	2.7	1.0	3.2	1.2	2.2	-2.5	-32.1	-17.5	-3.5	0.9	8.1	8.4	-2.3
2004	5.0	0.7	0.8	0.6	2.1	-11.6	-21.5	-10.5	-3.5	-1.8	8.0	0.4	-2.6
2005	-4.3	-2.8	-1.4	-1.4	2.5	-2.8	-11.8	-1.8	-3.6	-4.9	4.9	8.2	-1.6
Average	0.9	0.0	0.6	1.7	2.4	-0.6	-10.9	-15.7	-3.6	-2.7	2.7	4.4	-1.8
Min	-12.4	-3.3	-5.2	-2.1	-3.1	-25.9	-37.3	-66.2	-11.0	-4.9	-4.8	-9.9	-5.3
Max	8.1	2.5	8.1	7.8	7.8	8.1	0.5	-1.8	-3.2	8.1	8.2	8.4	1.4
acre-feet													
1950	-7	-64	-31	69	74	105	-1,081	-111	-213	-304	190	209	-1,164
1951	212	60	37	106	226	156	-536	-1,404	-205	-303	-67	301	-1,417
1952	-85	53	76	127	215	212	-1,358	-225	-213	-277	-29	175	-1,329
1953	301	143	205	206	237	141	-251	-1,899	-202	-304	67	500	-856
1954	340	66	146	165	182	186	-1,210	-1,188	-206	-25	500	193	-851
1955	-95	103	149	204	261	121	-1,578	-867	-209	-303	-1	500	-1,715
1956	163	66	89	119	183	500	-2,221	-146	-213	-303	182	500	-1,081
1957	288	135	176	198	239	178	-139	-2,496	-198	-304	-296	-35	-2,254
1958	-174	-197	-92	0	63	81	-167	-114	-213	-146	500	220	-239
1959	182	139	153	199	252	224	-261	-2,497	-198	-229	3	500	-1,533
1960	-495	-194	100	119	160	37	-937	-111	-213	-190	500	500	-724
1961	172	103	212	243	274	138	-153	-2,832	-196	-142	500	-588	-2,269
1962	-761	-97	0	6	45	500	-567	-112	-213	-304	-282	497	-1,288
1963	-12	46	131	153	175	146	-524	-1,080	-207	-154	367	500	-459
1964	500	149	246	248	259	256	30	-3,433	-192	-303	-210	235	-2,215
1965	339	128	140	153	201	-1,590	-44	-114	-213	-304	-295	-220	-1,819
1966	-190	112	-132	316	-10	-193	-46	-114	-214	-62	500	500	467
1967	244	103	186	190	-17	-66	-513	-2,098	-200	-304	165	361	-1,949

Simulated Change in Stream Flows below Trout Creek Reservoir

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
1968	45	50	-49	360	131	47	-99	-1,753	-203	-303	27	329	-1,418
1969	-139	-108	-318	164	2	-235	-357	-113	-213	-303	-219	-286	-2,125
1970	103	-106	-151	-52	431	69	-160	-474	-211	-304	-42	46	-851
1971	-347	-99	-218	-45	289	-267	-46	-115	-213	-303	11	88	-1,265
1972	-90	-176	-272	178	-9	-322	-45	-114	-213	-141	440	166	-598
1973	20	-46	-227	264	94	-11	-291	-1,306	-206	-304	44	159	-1,810
1974	173	-97	-173	277	-173	7	-856	-111	-213	120	241	500	-305
1975	418	105	-55	324	137	-36	-216	-2,567	-198	-304	-268	325	-2,335
1976	279	-21	-140	132	282	-99	-989	-255	-212	-106	172	375	-582
1977	331	119	500	-30	160	216	-606	-489	-652	500	500	483	1,032
1978	194	34	463	262	261	131	-984	-4,070	-188	-304	-12	342	-3,871
1979	111	44	84	136	287	211	-671	-1,278	-206	-303	225	475	-885
1980	119	32	69	478	129	165	-355	-2,100	-201	-304	239	489	-1,240
1981	195	18	339	139	142	85	-479	-1,920	-202	-92	500	500	-775
1982	-192	14	-102	138	80	-111	-1,156	-616	-210	-304	-295	-220	-2,974
1983	-190	-99	0	0	58	-35	-46	-114	-214	-304	-296	112	-1,128
1984	-519	-97	0	0	100	302	-315	-222	-213	-304	-296	-220	-1,784
1985	-189	-41	-50	0	167	283	-473	-113	-213	-303	87	322	-523
1986	-234	-76	-273	-129	92	-112	-313	-113	-213	-303	-295	-220	-2,189
1987	-190	-99	0	0	45	154	-222	-114	-213	181	282	322	146
1988	210	-121	-31	1	52	180	-1,044	-1,063	-207	172	500	303	-1,048
1989	500	47	49	172	113	-121	-1,781	-986	-208	-28	480	500	-1,263
1990	500	95	92	113	161	93	-1,671	-1,368	-205	-41	500	500	-1,231
1991	164	126	240	81	208	-13	-322	-2,472	-198	-13	205	270	-1,724
1992	196	10	130	30	84	-229	-972	-753	-209	-300	500	500	-1,013
1993	77	-18	1	7	102	-185	-1,231	-497	-211	-303	268	246	-1,744
1994	-15	-1	4	34	88	-414	-859	-111	-213	500	500	490	3

Simulated Change in Stream Flows below Trout Creek Reservoir

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual
1995	300	102	139	88	288	-239	-445	-2,745	-197	-304	-77	77	-3,013
1996	-66	-185	-32	-76	-19	-214	-45	-114	-213	-304	178	121	-969
1997	-46	-181	-92	-105	68	-536	-47	-114	-213	-304	-295	-220	-2,085
1998	-190	-99	0	0	0	0	-45	-114	-213	-304	172	478	-315
1999	27	-148	-19	-79	40	-538	-591	-113	-213	-304	249	112	-1,577
2000	-2	76	-17	-47	86	-187	-909	-111	-213	102	500	360	-362
2001	202	109	38	70	67	-249	-1,456	-832	-209	118	503	501	-1,138
2002	119	130	59	85	175	-72	-793	-1,953	-202	500	500	481	-971
2003	169	58	199	75	121	-154	-1,910	-1,078	-208	54	496	500	-1,678
2004	307	41	47	35	120	-714	-1,281	-647	-210	-113	489	23	-1,903
2005	-264	-168	-84	-89	140	-174	-701	-112	-213	-304	302	488	-1,179
Average	54	1	35	104	136	-39	-649	-964	-216	-165	166	262	-1,275
Minimum	-761	-197	-318	-129	-173	-1,590	-2,221	-4,070	-652	-304	-296	-588	-3,871
Maximum	500	149	500	478	431	500	30	-111	-188	500	503	501	1,032

Source: CDSS, 2012.

Note: A positive number indicates an increase in flow; a negative number indicates a decrease in flow.

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion under Baseline Conditions

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
cubic feet per second (cfs)													
1950	265	212	179	195	178	234	1,257	2,784	3,984	944	179	152	880
1951	181	216	184	155	187	245	1,063	3,234	3,906	1,263	320	125	925
1952	217	195	214	187	215	232	2,114	4,913	5,803	833	406	167	1,292
1953	165	164	178	161	183	306	790	2,384	4,405	616	251	73	805
1954	191	188	224	137	181	222	1,049	2,235	1,152	197	72	69	494
1955	238	164	117	135	138	163	1,190	3,018	2,518	384	189	61	694
1956	152	149	173	178	171	321	1,882	3,842	3,228	377	195	65	896
1957	168	159	168	165	183	208	1,181	4,302	8,163	4,211	658	197	1,650
1958	438	269	317	155	190	289	1,589	5,259	4,050	412	98	101	1,100
1959	208	175	170	144	187	203	901	2,703	3,556	572	221	143	765
1960	317	305	239	140	166	554	2,190	2,972	3,334	395	93	72	898
1961	224	169	238	189	132	320	616	2,445	2,478	224	70	347	622
1962	400	332	289	156	262	286	3,070	4,269	3,795	1,271	163	74	1,198
1963	261	195	245	143	215	329	862	2,675	1,914	172	123	68	602
1964	158	122	90	115	127	163	716	3,287	3,650	976	217	69	810
1965	165	139	189	139	85	166	1,443	3,763	5,583	1,749	436	332	1,184
1966	426	243	267	164	195	497	1,157	2,926	1,603	231	93	32	655
1967	188	178	119	181	189	425	845	2,642	4,067	1,353	190	153	878
1968	216	200	198	156	182	241	872	3,126	5,744	1,194	437	177	1,062
1969	279	247	220	142	182	241	2,069	4,206	2,625	823	232	263	963
1970	379	289	262	234	182	266	924	5,258	5,701	1,508	275	244	1,297
1971	423	285	221	243	208	356	2,512	4,002	5,925	1,487	221	166	1,337
1972	231	208	230	180	211	588	1,208	2,853	3,710	425	130	142	844
1973	270	253	247	174	203	344	964	4,483	4,505	1,530	327	109	1,121
1974	169	170	191	120	160	297	2,378	6,243	4,888	970	162	54	1,320
1975	153	178	191	166	222	242	1,052	3,123	5,134	2,382	314	104	1,107

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion under Baseline Conditions

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1976	145	190	196	154	175	227	1,044	3,291	2,966	735	226	108	790
1977	179	140	40	99	88	142	628	1,393	1,064	66	33	31	326
1978	128	99	97	89	130	339	2,024	4,085	6,804	2,450	344	156	1,396
1979	213	188	172	182	178	289	1,572	4,817	5,349	1,501	282	72	1,237
1980	114	184	178	175	250	208	1,499	4,408	4,439	946	138	73	1,053
1981	229	195	156	145	218	250	765	2,113	2,330	392	62	52	576
1982	249	154	159	137	197	280	1,421	3,453	4,498	2,034	437	223	1,106
1983	366	365	283	263	289	303	950	3,322	6,739	2,726	489	167	1,356
1984	363	387	342	304	272	215	1,508	8,238	7,761	2,692	481	272	1,911
1985	436	326	266	238	245	450	3,009	5,480	4,270	813	208	160	1,327
1986	336	337	291	277	513	819	2,533	4,353	5,672	1,584	259	298	1,438
1987	407	294	178	166	214	324	1,553	2,798	1,378	320	163	112	661
1988	153	207	144	148	170	187	1,413	3,361	3,367	456	109	126	821
1989	115	146	151	97	105	639	1,435	2,265	1,836	266	118	62	604
1990	117	133	105	94	127	400	1,270	1,878	2,833	489	69	58	630
1991	204	142	78	89	121	251	983	3,272	3,647	458	211	168	803
1992	142	190	126	164	203	357	959	2,660	1,398	383	72	49	561
1993	191	140	155	146	170	327	1,220	4,727	4,973	1,426	271	166	1,162
1994	288	176	163	159	204	439	1,077	2,800	1,677	131	64	36	603
1995	143	67	55	73	175	352	776	3,729	7,216	3,444	383	202	1,387
1996	316	259	210	206	201	370	2,503	5,420	5,060	1,058	160	171	1,330
1997	205	264	207	222	231	487	1,983	5,809	7,285	1,302	554	746	1,609
1998	646	333	216	242	314	1,045	2,306	4,941	4,141	1,393	281	95	1,334
1999	249	249	130	145	212	489	1,246	3,522	4,349	892	219	222	994
2000	198	118	170	179	237	335	1,587	3,962	2,620	215	81	142	822

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion under Baseline Conditions

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2001	138	115	154	109	248	369	1,251	3,346	1,726	201	93	80	654
2002	136	86	112	66	57	275	922	1,531	999	39	37	26	358
2003	137	102	33	63	123	284	1,436	3,926	3,985	380	88	78	887
2004	118	130	145	120	140	646	1,302	2,745	1,826	400	78	209	657
2005	401	304	252	208	185	325	1,583	4,095	4,754	963	194	57	1,111
Average	242	204	184	161	192	342	1,422	3,655	3,971	1,012	219	142	980
Minimum	114	67	33	63	57	142	616	1,393	999	39	33	26	326
Maximum	646	387	342	304	513	1,045	3,070	8,238	8,163	4,211	658	746	1,911
acre-feet													
1950	16,293	12,636	11,003	11,972	9,858	14,411	74,777	171,194	237,087	58,041	10,997	9,030	637,299
1951	11,104	12,851	11,309	9,511	10,384	15,042	63,229	198,839	232,437	77,666	19,652	7,439	669,463
1952	13,319	11,629	13,140	11,520	12,346	14,244	125,773	302,094	345,290	51,224	24,985	9,908	935,472
1953	10,171	9,744	10,915	9,902	10,154	18,819	46,982	146,571	262,111	37,855	15,443	4,371	583,038
1954	11,714	11,206	13,743	8,435	10,054	13,621	62,436	137,445	68,572	12,142	4,418	4,129	357,915
1955	14,617	9,764	7,209	8,329	7,655	9,998	70,829	185,581	149,815	23,626	11,643	3,649	502,715
1956	9,330	8,881	10,659	10,948	9,843	19,728	112,009	236,262	192,097	23,210	12,010	3,870	648,847
1957	10,321	9,453	10,350	10,132	10,146	12,764	70,246	264,532	485,759	258,951	40,485	11,714	1,194,853
1958	26,904	15,988	19,501	9,553	10,569	17,742	94,533	323,341	240,987	25,344	6,024	5,986	796,472
1959	12,815	10,403	10,466	8,873	10,396	12,464	53,617	166,219	211,601	35,167	13,616	8,530	554,167
1960	19,488	18,127	14,669	8,585	9,532	34,095	130,335	182,721	198,385	24,282	5,695	4,285	650,199
1961	13,783	10,038	14,641	11,649	7,355	19,682	36,671	150,367	147,451	13,769	4,289	20,669	450,364
1962	24,606	19,736	17,799	9,582	14,573	17,585	182,681	262,493	225,808	78,148	10,031	4,388	867,430
1963	16,049	11,613	15,090	8,814	11,929	20,210	51,269	164,469	113,902	10,566	7,551	4,034	435,496
1964	9,692	7,236	5,515	7,071	7,306	10,030	42,630	202,112	217,165	59,999	13,319	4,077	586,152
1965	10,128	8,251	11,624	8,537	4,738	10,179	85,868	231,381	332,211	107,520	26,809	19,785	857,031
1966	26,188	14,463	16,437	10,101	10,804	30,531	68,831	179,917	95,399	14,229	5,728	1,920	474,548
1967	11,543	10,590	7,310	11,102	10,519	26,134	50,289	162,465	242,025	83,172	11,655	9,112	635,916

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion under Baseline Conditions

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1968	13,296	11,909	12,160	9,619	10,493	14,813	51,910	192,241	341,814	73,418	26,883	10,552	769,108
1969	17,176	14,709	13,507	8,717	10,081	14,822	123,132	258,609	156,209	50,634	14,287	15,633	697,516
1970	23,296	17,177	16,081	14,413	10,112	16,355	55,010	323,313	339,249	92,742	16,921	14,531	939,200
1971	26,007	16,933	13,602	14,912	11,547	21,871	149,485	246,107	352,544	91,418	13,607	9,862	967,895
1972	14,190	12,383	14,133	11,092	12,134	36,170	71,891	175,457	220,770	26,138	7,995	8,458	610,811
1973	16,625	15,082	15,165	10,719	11,269	21,133	57,370	275,641	268,043	94,063	20,081	6,483	811,674
1974	10,368	10,143	11,747	7,358	8,895	18,257	141,495	383,849	290,880	59,657	9,938	3,212	955,799
1975	9,430	10,597	11,770	10,208	12,325	14,905	62,628	192,056	305,470	146,488	19,278	6,199	801,354
1976	8,946	11,284	12,052	9,483	10,081	13,941	62,132	202,359	176,495	45,182	13,897	6,452	572,304
1977	11,030	8,325	2,469	6,070	4,895	8,731	37,350	85,654	63,296	4,056	2,013	1,832	235,721
1978	7,889	5,876	5,982	5,453	7,198	20,868	120,422	251,176	404,884	150,636	21,164	9,258	1,010,806
1979	13,076	11,212	10,573	11,198	9,876	17,760	93,563	296,193	318,302	92,313	17,348	4,281	895,695
1980	7,019	10,969	10,968	10,749	14,359	12,778	89,210	271,056	264,115	58,172	8,473	4,343	762,211
1981	14,062	11,602	9,617	8,922	12,084	15,377	45,501	129,901	138,650	24,084	3,824	3,097	416,721
1982	15,291	9,152	9,754	8,403	10,925	17,208	84,551	212,297	267,674	125,051	26,872	13,272	800,450
1983	22,522	21,737	17,389	16,182	16,055	18,630	56,540	204,276	400,978	167,628	30,039	9,915	981,891
1984	22,349	23,022	21,049	18,691	15,639	13,237	89,711	506,530	461,817	165,534	29,567	16,210	1,383,356
1985	26,801	19,394	16,365	14,642	13,616	27,658	179,024	336,970	254,089	50,005	12,779	9,531	960,874
1986	20,676	20,073	17,896	17,017	28,477	50,389	150,708	267,633	337,509	97,406	15,916	17,733	1,041,433
1987	25,021	17,504	10,938	10,212	11,890	19,927	92,390	172,022	82,004	19,649	10,028	6,675	478,260
1988	9,435	12,293	8,858	9,103	9,754	11,505	84,063	206,672	200,337	28,068	6,683	7,477	594,248
1989	7,088	8,667	9,312	5,987	5,852	39,286	85,386	139,244	109,237	16,380	7,276	3,703	437,418
1990	7,173	7,910	6,434	5,758	7,048	24,589	75,594	115,494	168,602	30,054	4,227	3,471	456,354
1991	12,549	8,420	4,788	5,463	6,711	15,442	58,484	201,187	217,027	28,189	12,967	10,022	581,249
1992	8,748	11,279	7,728	10,108	11,676	21,973	57,050	163,590	83,177	23,569	4,447	2,888	406,233
1993	11,773	8,325	9,513	9,004	9,450	20,095	72,620	290,631	295,910	87,672	16,651	9,888	841,532
1994	17,738	10,444	10,052	9,783	11,340	27,009	64,081	172,177	99,775	8,053	3,949	2,162	436,563

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion under Baseline Conditions

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1995	8,804	3,984	3,372	4,489	9,695	21,622	46,167	229,298	429,378	211,787	23,546	12,029	1,004,171
1996	19,411	15,385	12,913	12,644	11,586	22,776	148,960	333,298	301,094	65,078	9,814	10,149	963,108
1997	12,630	15,709	12,729	13,681	12,818	29,934	118,014	357,194	433,490	80,082	34,034	44,363	1,164,678
1998	39,735	19,786	13,308	14,865	17,444	64,232	137,207	303,812	246,410	85,683	17,280	5,665	965,427
1999	15,334	14,799	7,985	8,931	11,796	30,047	74,123	216,571	258,772	54,821	13,470	13,226	719,875
2000	12,179	7,013	10,423	11,006	13,648	20,628	94,411	243,627	155,897	13,215	4,950	8,430	595,427
2001	8,490	6,846	9,443	6,707	13,767	22,671	74,413	205,760	102,686	12,349	5,743	4,755	473,630
2002	8,344	5,111	6,895	4,071	3,176	16,918	54,859	94,149	59,422	2,409	2,252	1,532	259,138
2003	8,394	6,067	2,054	3,865	6,849	17,459	85,471	241,377	237,147	23,356	5,440	4,613	642,092
2004	7,253	7,724	8,923	7,395	8,080	39,749	77,470	168,804	108,627	24,578	4,792	12,465	475,860
2005	24,684	18,072	15,479	12,799	10,268	19,964	94,167	251,821	282,883	59,221	11,950	3,385	804,693
Average	14,873	12,134	11,336	9,899	10,733	21,036	84,635	224,751	236,299	62,210	13,477	8476	709,860
Minimum	7,019	3,984	2,054	3,865	3,176	8,731	36,671	85,654	59,422	2,409	2,013	1,532	235,721
Maximum	39,735	23,022	21,049	18,691	28,477	64,232	182,681	506,530	485,759	258,951	40,485	44,363	1,383,356

Source: CDSS, 2012.

Note: A positive number indicates an increase in flow; a negative number indicates a decrease in flow.

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion with Trout Creek Reservoir On-line

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
cubic feet per second (cfs)													
1950	257	203	170	188	170	228	1,230	2,774	3,972	931	174	147	870
1951	176	209	176	148	182	239	1,045	3,203	3,894	1,250	310	122	914
1952	207	188	207	181	210	227	2,082	4,901	5,791	820	398	161	1,282
1953	162	158	173	156	178	300	777	2,345	4,393	603	244	73	796
1954	188	181	218	132	175	216	1,021	2,208	1,140	189	72	64	485
1955	228	157	112	131	134	156	1,155	2,996	2,506	371	181	61	684
1956	146	142	167	172	166	321	1,837	3,832	3,216	364	190	65	886
1957	164	153	163	160	178	202	1,170	4,253	8,152	4,198	645	188	1,639
1958	427	257	308	147	182	282	1,577	5,249	4,038	402	98	96	1,092
1959	203	169	165	139	183	198	888	2,654	3,544	560	213	143	755
1960	301	293	232	133	160	547	2,166	2,962	3,322	384	93	72	889
1961	219	162	233	185	128	314	605	2,391	2,466	213	70	329	611
1962	380	322	281	148	254	286	3,052	4,259	3,783	1,258	150	74	1,188
1963	253	188	239	138	209	323	844	2,649	1,902	161	121	68	593
1964	158	116	86	111	123	159	709	3,223	3,638	963	205	64	798
1965	162	132	183	133	80	132	1,434	3,753	5,571	1,736	423	320	1,173
1966	415	237	257	161	185	485	1,148	2,916	1,591	222	93	32	648
1967	184	171	114	175	180	416	828	2,600	4,056	1,340	184	151	867
1968	209	193	189	154	176	234	862	3,090	5,732	1,181	430	174	1,052
1969	269	237	206	136	173	229	2,055	4,196	2,613	810	221	249	952
1970	372	278	251	225	181	259	913	5,242	5,689	1,495	266	237	1,288
1971	409	274	210	234	204	343	2,503	3,992	5,913	1,474	213	159	1,327
1972	221	197	217	175	202	575	1,199	2,843	3,698	415	129	137	835
1973	263	244	235	170	196	335	951	4,453	4,493	1,517	319	103	1,110
1974	163	160	180	116	148	289	2,355	6,233	4,876	964	157	54	1,311
1975	152	171	182	163	215	234	1,040	3,074	5,122	2,369	301	101	1,095
1976	142	181	186	148	171	217	1,019	3,279	2,954	725	222	106	781

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion with Trout Creek Reservoir On-line

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1977	177	133	40	90	82	137	609	1,377	1,044	66	33	31	319
1978	123	91	97	85	125	333	1,999	4,011	6,793	2,437	336	153	1,383
1979	206	181	165	176	174	284	1,553	4,788	5,337	1,488	278	72	1,228
1980	108	176	171	174	243	202	1,485	4,366	4,427	933	134	73	1,043
1981	224	187	154	139	211	243	748	2,073	2,318	382	62	52	566
1982	237	146	149	131	189	270	1,393	3,434	4,486	2,021	424	211	1,093
1983	355	355	275	255	281	294	941	3,312	6,727	2,713	476	160	1,346
1984	347	377	334	296	265	212	1,494	8,226	7,749	2,679	468	260	1,900
1985	425	317	257	230	239	446	2,992	5,470	4,258	800	201	157	1,318
1986	324	328	278	267	505	810	2,519	4,343	5,660	1,571	246	286	1,427
1987	396	284	170	158	206	318	1,541	2,788	1,366	314	160	109	653
1988	149	196	135	140	162	182	1,387	3,336	3,355	449	108	122	811
1989	115	139	144	92	99	629	1,397	2,240	1,824	258	118	62	594
1990	117	126	98	87	121	393	1,234	1,848	2,822	480	69	58	620
1991	199	135	74	82	116	243	969	3,224	3,635	450	206	165	792
1992	137	181	120	157	196	345	934	2,640	1,386	370	72	49	551
1993	185	131	147	138	163	316	1,191	4,710	4,961	1,413	267	162	1,152
1994	280	167	155	152	197	424	1,054	2,790	1,665	131	63	36	595
1995	140	60	49	66	171	340	760	3,676	7,204	3,431	374	195	1,375
1996	306	247	201	196	192	359	2,494	5,411	5,048	1,045	154	164	1,321
1997	197	253	197	213	223	470	1,974	5,799	7,273	1,289	541	733	1,598
1998	635	322	208	234	305	1,036	2,297	4,931	4,129	1,380	276	95	1,325
1999	242	238	121	136	204	472	1,227	3,512	4,337	878	215	216	984
2000	190	111	161	170	230	324	1,563	3,952	2,608	208	81	139	814
2001	133	108	146	102	240	357	1,218	3,325	1,714	196	93	80	644
2002	129	80	105	60	52	266	900	1,491	987	39	37	26	348
2003	131	95	29	56	116	273	1,396	3,900	3,973	371	88	77	876

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion with Trout Creek Reservoir On-line

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2004	115	122	138	113	134	627	1,272	2,727	1,814	390	78	201	646
2005	389	292	242	199	178	314	1,562	4,085	4,742	950	191	57	1,102
Average	235	196	177	155	185	333	1,403	3,631	3,959	1,001	214	138	970
Minimum	108	60	29	56	52	132	605	1,377	987	39	33	26	319
Maximum	635	377	334	296	505	1,036	3,052	8,226	8,152	4,198	645	733	1,900
acre-feet													
1950	15,786	12,073	10,471	11,542	9,432	14,016	73,196	170,583	236,374	57,238	10,687	8,740	630,138
1951	10,817	12,411	10,846	9,117	10,110	14,698	62,193	196,936	231,732	76,862	19,085	7,240	662,047
1952	12,734	11,183	12,716	11,147	12,060	13,956	123,916	301,369	344,578	50,447	24,456	9,583	928,145
1953	9,972	9,387	10,620	9,608	9,891	18,459	46,231	144,171	261,409	37,052	15,010	4,371	576,181
1954	11,554	10,772	13,389	8,100	9,736	13,307	60,727	135,757	67,865	11,617	4,418	3,822	351,064
1955	14,022	9,366	6,858	8,033	7,416	9,619	68,751	184,214	149,107	22,823	11,142	3,649	495,000
1956	8,994	8,448	10,248	10,567	9,526	19,728	109,289	235,616	191,384	22,406	11,692	3,870	641,768
1957	10,109	9,088	10,026	9,830	9,885	12,442	69,607	261,536	485,061	258,147	39,689	11,179	1,186,599
1958	26,230	15,291	18,909	9,053	10,133	17,323	93,866	322,727	240,274	24,698	6,003	5,719	790,226
1959	12,501	10,044	10,121	8,573	10,148	12,189	52,857	163,221	210,903	34,438	13,120	8,530	546,645
1960	18,492	17,433	14,269	8,204	9,193	33,632	128,897	182,110	197,672	23,592	5,695	4,285	643,474
1961	13,455	9,641	14,352	11,392	7,129	19,320	36,018	147,036	146,755	13,127	4,289	19,581	442,095
1962	23,345	19,139	17,299	9,088	14,118	17,585	181,614	261,881	225,095	77,344	9,249	4,385	860,142
1963	15,537	11,160	14,721	8,467	11,604	19,855	50,246	162,889	113,195	9,912	7,419	4,034	429,039
1964	9,692	6,885	5,261	6,818	7,065	9,786	42,160	198,179	216,473	59,196	12,608	3,812	577,935
1965	9,967	7,879	11,264	8,191	4,439	8,088	85,324	230,766	331,497	106,716	26,014	19,065	849,210
1966	25,499	14,075	15,806	9,917	10,293	29,839	68,286	179,303	94,686	13,667	5,728	1,920	469,019
1967	11,287	10,193	6,996	10,791	10,002	25,568	49,276	159,867	241,324	82,369	11,320	8,973	627,966
1968	12,841	11,458	11,611	9,479	10,124	14,360	51,310	189,988	341,111	72,614	26,410	10,381	761,687
1969	16,537	14,101	12,688	8,382	9,582	14,087	122,275	257,996	155,496	49,831	13,568	14,846	689,389
1970	22,899	16,571	15,431	13,862	10,043	15,924	54,351	322,339	338,538	91,938	16,379	14,077	932,352
1971	25,161	16,334	12,883	14,368	11,336	21,104	148,940	245,492	351,831	90,614	13,118	9,450	960,631

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion with Trout Creek Reservoir On-line

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1972	13,600	11,707	13,360	10,770	11,624	35,349	71,345	174,842	220,057	25,497	7,936	8,123	604,210
1973	16,144	14,535	14,439	10,482	10,864	20,622	56,579	273,835	267,337	93,259	19,625	6,142	803,863
1974	10,041	9,547	11,075	7,135	8,221	17,764	140,138	383,237	290,167	59,278	9,679	3,212	949,494
1975	9,348	10,202	11,216	10,032	11,961	14,368	61,911	188,989	304,772	145,684	18,510	6,023	793,016
1976	8,725	10,763	11,412	9,115	9,863	13,342	60,643	201,604	175,783	44,575	13,632	6,326	565,783
1977	10,862	7,943	2,469	5,539	4,555	8,447	36,244	84,665	62,145	4,056	2,013	1,832	230,770
1978	7,583	5,410	5,946	5,215	6,959	20,499	118,939	246,605	404,196	149,832	20,652	9,100	1,000,936
1979	12,687	10,756	10,157	10,835	9,663	17,471	92,393	294,416	317,596	91,509	17,073	4,281	888,837
1980	6,638	10,501	10,537	10,727	13,988	12,443	88,355	268,456	263,414	57,369	8,213	4,343	754,984
1981	13,758	11,120	9,456	8,561	11,726	14,962	44,522	127,481	137,948	23,493	3,824	3,097	409,948
1982	14,599	8,666	9,152	8,041	10,505	16,597	82,895	211,181	266,963	124,248	26,077	12,552	791,476
1983	21,833	21,138	16,889	15,682	15,613	18,095	55,994	203,662	400,265	166,825	29,244	9,527	974,767
1984	21,329	22,424	20,549	18,191	15,239	13,039	88,896	505,808	461,105	164,730	28,771	15,490	1,375,571
1985	26,112	18,853	15,815	14,142	13,283	27,441	178,051	336,357	253,376	49,202	12,367	9,353	954,352
1986	19,942	19,497	17,123	16,388	28,069	49,777	149,895	267,020	336,796	96,603	15,121	17,013	1,033,244
1987	24,331	16,905	10,438	9,712	11,435	19,581	91,668	171,409	81,291	19,331	9,810	6,496	472,407
1988	9,146	11,672	8,327	8,604	9,307	11,185	82,519	205,108	199,629	27,630	6,643	7,258	587,028
1989	7,065	8,270	8,885	5,676	5,477	38,674	83,111	137,762	108,535	15,853	7,256	3,703	430,267
1990	7,173	7,505	6,027	5,371	6,709	24,183	73,422	113,626	167,896	29,513	4,227	3,471	449,123
1991	12,213	8,046	4,527	5,043	6,419	14,929	57,662	198,214	216,328	27,676	12,671	9,792	573,520
1992	8,444	10,789	7,358	9,638	11,260	21,244	55,578	162,337	82,468	22,769	4,447	2,888	399,220
1993	11,350	7,807	9,014	8,510	9,051	19,410	70,889	289,634	295,200	86,869	16,431	9,634	833,799
1994	17,222	9,943	9,557	9,316	10,928	26,095	62,722	171,566	99,062	8,053	3,882	2,164	430,510
1995	8,605	3,587	3,011	4,077	9,483	20,882	45,222	226,053	428,682	210,982	22,968	11,606	995,158
1996	18,845	14,700	12,381	12,068	11,067	22,062	148,414	332,684	300,381	64,274	9,492	9,770	956,138
1997	12,083	15,028	12,137	13,076	12,386	28,898	117,466	356,580	432,776	79,279	33,238	43,643	1,156,590
1998	39,045	19,188	12,808	14,365	16,944	63,732	136,661	303,198	245,697	84,880	16,952	5,665	959,135
1999	14,861	14,151	7,466	8,352	11,335	29,009	73,033	215,958	258,059	54,017	13,220	12,839	712,300

Simulated Stream Flows in the Yampa River at the Sage Creek Coal Diversion with Trout Creek Reservoir On-line

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2000	11,677	6,589	9,906	10,459	13,233	19,941	93,002	243,015	155,184	12,799	4,950	8,293	589,048
2001	8,168	6,456	8,982	6,277	13,334	21,923	72,458	204,429	102,006	12,043	5,743	4,755	466,574
2002	7,912	4,742	6,467	3,672	2,861	16,348	53,567	91,697	58,721	2,409	2,252	1,532	252,180
2003	8,063	5,626	1,753	3,440	6,470	16,805	83,061	239,799	236,440	22,840	5,420	4,611	634,328
2004	7,058	7,264	8,469	6,929	7,700	38,534	75,690	167,658	107,917	23,965	4,792	11,989	467,965
2005	23,920	17,404	14,896	12,210	9,909	19,290	92,966	251,209	282,174	58,418	11,753	3,377	797,526
Average	14,425	11,637	10,871	9,503	10,370	20,497	83,486	223,287	235,584	61,543	13,143	8,240	702,586
Minimum	6,638	3,587	1,753	3,440	2,861	8,088	36,018	84,665	58,721	2,409	2,013	1,532	230,770
Maximum	39,045	22,424	20,549	18,191	28,069	63,732	181,614	505,808	485,061	258,147	39,689	43,643	1,375,571

Source: CDSS, 2012.

Note: A positive number indicates an increase in flow; a negative number indicates a decrease in flow.

Simulated Change in Stream Flows in the Yampa River at the Sage Creek Coal Diversion

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
cubic feet per second (cfs)													
1950	-8.2	-9.5	-8.7	-7.0	-7.7	-6.4	-26.6	-9.9	-12.0	-13.1	-5.0	-4.9	-9.9
1951	-4.7	-7.4	-7.5	-6.4	-4.9	-5.6	-17.4	-30.9	-11.8	-13.1	-9.2	-3.3	-10.2
1952	-9.5	-7.5	-6.9	-6.1	-5.0	-4.7	-31.2	-11.8	-12.0	-12.6	-8.6	-5.5	-10.1
1953	-3.2	-6.0	-4.8	-4.8	-4.7	-5.9	-12.6	-39.0	-11.8	-13.1	-7.0	0.0	-9.5
1954	-2.6	-7.3	-5.8	-5.4	-5.7	-5.1	-28.7	-27.5	-11.9	-8.5	0.0	-5.2	-9.5
1955	-9.7	-6.7	-5.7	-4.8	-4.3	-6.2	-34.9	-22.2	-11.9	-13.1	-8.1	0.0	-10.7
1956	-5.5	-7.3	-6.7	-6.2	-5.5	0.0	-45.7	-10.5	-12.0	-13.1	-5.2	0.0	-9.8
1957	-3.4	-6.1	-5.3	-4.9	-4.7	-5.2	-10.7	-48.7	-11.7	-13.1	-12.9	-9.0	-11.4
1958	-11.0	-11.7	-9.6	-8.1	-7.9	-6.8	-11.2	-10.0	-12.0	-10.5	-0.3	-4.5	-8.6
1959	-5.1	-6.0	-5.6	-4.9	-4.5	-4.5	-12.8	-48.8	-11.7	-11.9	-8.1	0.0	-10.4
1960	-16.2	-11.7	-6.5	-6.2	-5.9	-7.5	-24.2	-9.9	-12.0	-11.2	0.0	0.0	-9.3
1961	-5.3	-6.7	-4.7	-4.2	-4.1	-5.9	-11.0	-54.2	-11.7	-10.4	0.0	-18.3	-11.4
1962	-20.5	-10.0	-8.1	-8.0	-8.2	0.0	-17.9	-10.0	-12.0	-13.1	-12.7	-0.1	-10.1
1963	-8.3	-7.6	-6.0	-5.6	-5.9	-5.8	-17.2	-25.7	-11.9	-10.6	-2.1	0.0	-8.9
1964	0.0	-5.9	-4.1	-4.1	-4.2	-4.0	-7.9	-64.0	-11.6	-13.1	-11.6	-4.5	-11.3
1965	-2.6	-6.3	-5.9	-5.6	-5.4	-34.0	-9.1	-10.0	-12.0	-13.1	-12.9	-12.1	-10.8
1966	-11.2	-6.5	-10.3	-3.0	-9.2	-11.3	-9.2	-10.0	-12.0	-9.1	0.0	0.0	-7.6
1967	-4.2	-6.7	-5.1	-5.1	-9.3	-9.2	-17.0	-42.3	-11.8	-13.1	-5.4	-2.3	-11.0
1968	-7.4	-7.6	-8.9	-2.3	-6.4	-7.4	-10.1	-36.6	-11.8	-13.1	-7.7	-2.9	-10.3
1969	-10.4	-10.2	-13.3	-5.4	-9.0	-12.0	-14.4	-10.0	-12.0	-13.1	-11.7	-13.2	-11.2
1970	-6.5	-10.2	-10.6	-9.0	-1.2	-7.0	-11.1	-15.8	-11.9	-13.1	-8.8	-7.6	-9.5
1971	-13.8	-10.1	-11.7	-8.8	-3.8	-12.5	-9.2	-10.0	-12.0	-13.1	-8.0	-6.9	-10.0
1972	-9.6	-11.4	-12.6	-5.2	-8.9	-13.4	-9.2	-10.0	-12.0	-10.4	-1.0	-5.6	-9.1
1973	-7.8	-9.2	-11.8	-3.9	-7.3	-8.3	-13.3	-29.4	-11.9	-13.1	-7.4	-5.7	-10.8
1974	-5.3	-10.0	-10.9	-3.6	-12.1	-8.0	-22.8	-10.0	-12.0	-6.2	-4.2	0.0	-8.7
1975	-1.3	-6.6	-9.0	-2.9	-6.6	-8.7	-12.0	-49.9	-11.7	-13.1	-12.5	-3.0	-11.5
1976	-3.6	-8.8	-10.4	-6.0	-3.8	-9.7	-25.0	-12.3	-12.0	-9.9	-4.3	-2.1	-9.0

Simulated Change in Stream Flows in the Yampa River at the Sage Creek Coal Diversion

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1977	-2.7	-6.4	0.0	-8.6	-6.1	-4.6	-18.6	-16.1	-19.3	0.0	0.0	0.0	-6.8
1978	-5.0	-7.8	-0.6	-3.9	-4.3	-6.0	-24.9	-74.3	-11.6	-13.1	-8.3	-2.7	-13.6
1979	-6.3	-7.7	-6.8	-5.9	-3.8	-4.7	-19.7	-28.9	-11.9	-13.1	-4.5	0.0	-9.5
1980	-6.2	-7.9	-7.0	-0.4	-6.4	-5.4	-14.4	-42.3	-11.8	-13.1	-4.2	0.0	-10.0
1981	-4.9	-8.1	-2.6	-5.9	-6.4	-6.7	-16.5	-39.4	-11.8	-9.6	0.0	0.0	-9.4
1982	-11.3	-8.2	-9.8	-5.9	-7.6	-9.9	-27.8	-18.1	-11.9	-13.1	-12.9	-12.1	-12.4
1983	-11.2	-10.1	-8.1	-8.1	-8.0	-8.7	-9.2	-10.0	-12.0	-13.1	-12.9	-6.5	-9.8
1984	-16.6	-10.0	-8.1	-8.1	-7.0	-3.2	-13.7	-11.7	-12.0	-13.1	-12.9	-12.1	-10.8
1985	-11.2	-9.1	-8.9	-8.1	-6.0	-3.5	-16.4	-10.0	-12.0	-13.1	-6.7	-3.0	-9.0
1986	-11.9	-9.7	-12.6	-10.2	-7.3	-10.0	-13.7	-10.0	-12.0	-13.1	-12.9	-12.1	-11.3
1987	-11.2	-10.1	-8.1	-8.1	-8.2	-5.6	-12.1	-10.0	-12.0	-5.2	-3.5	-3.0	-8.1
1988	-4.7	-10.4	-8.6	-8.1	-7.8	-5.2	-25.9	-25.4	-11.9	-7.1	-0.7	-3.7	-10.0
1989	-0.4	-6.7	-6.9	-5.1	-6.8	-10.0	-38.2	-24.1	-11.8	-8.6	-0.3	0.0	-9.9
1990	0.0	-6.8	-6.6	-6.3	-6.1	-6.6	-36.5	-30.4	-11.9	-8.8	0.0	0.0	-10.0
1991	-5.5	-6.3	-4.2	-6.8	-5.3	-8.3	-13.8	-48.4	-11.7	-8.3	-4.8	-3.9	-10.7
1992	-4.9	-8.2	-6.0	-7.6	-7.2	-11.9	-24.7	-20.4	-11.9	-13.0	0.0	0.0	-9.7
1993	-6.9	-8.7	-8.1	-8.0	-7.2	-11.1	-29.1	-16.2	-11.9	-13.1	-3.6	-4.3	-10.7
1994	-8.4	-8.4	-8.1	-7.6	-7.4	-14.9	-22.8	-9.9	-12.0	0.0	-1.1	0.0	-8.4
1995	-3.2	-6.7	-5.9	-6.7	-3.8	-12.0	-15.9	-52.8	-11.7	-13.1	-9.4	-7.1	-12.4
1996	-9.2	-11.5	-8.7	-9.4	-9.0	-11.6	-9.2	-10.0	-12.0	-13.1	-5.2	-6.4	-9.6
1997	-8.9	-11.4	-9.6	-9.8	-7.8	-16.8	-9.2	-10.0	-12.0	-13.1	-12.9	-12.1	-11.2
1998	-11.2	-10.0	-8.1	-8.1	-9.0	-8.1	-9.2	-10.0	-12.0	-13.1	-5.3	0.0	-8.7
1999	-7.7	-10.9	-8.4	-9.4	-8.3	-16.9	-18.3	-10.0	-12.0	-13.1	-4.1	-6.5	-10.5
2000	-8.2	-7.1	-8.4	-8.9	-7.2	-11.2	-23.7	-10.0	-12.0	-6.8	0.0	-2.3	-8.8
2001	-5.2	-6.6	-7.5	-7.0	-7.8	-12.2	-32.9	-21.6	-11.4	-5.0	0.0	0.0	-9.7
2002	-7.0	-6.2	-7.0	-6.5	-5.7	-9.3	-21.7	-39.9	-11.8	0.0	0.0	0.0	-9.6
2003	-5.4	-7.4	-4.9	-6.9	-6.8	-10.6	-40.5	-25.7	-11.9	-8.4	-0.3	0.0	-10.7

Simulated Change in Stream Flows in the Yampa River at the Sage Creek Coal Diversion

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2004	-3.2	-7.7	-7.4	-7.6	-6.6	-19.8	-29.9	-18.6	-11.9	-10.0	0.0	-8.0	-10.9
2005	-12.4	-11.2	-9.5	-9.6	-6.5	-11.0	-20.2	-10.0	-11.9	-13.1	-3.2	-0.1	-9.9
Average	-7.3	-8.4	-7.6	-6.4	-6.5	-8.8	-19.3	-23.8	-12.0	-10.8	-5.4	-4.0	-10.0
Minimum	-20.5	-11.7	-13.3	-10.2	-12.1	-34.0	-45.7	-74.3	-19.3	-13.1	-12.9	-18.3	-13.6
Maximum	0.0	-5.9	0.0	-0.4	-1.2	0.0	-7.9	-9.9	-11.4	0.0	0.0	0.0	-6.8
acre-feet													
1950	-507	-563	-532	-430	-426	-395	-1,581	-611	-713	-803	-310	-290	-7,161
1951	-287	-440	-463	-394	-274	-344	-1,036	-1,903	-705	-804	-567	-199	-7,416
1952	-585	-446	-424	-373	-286	-288	-1,857	-725	-712	-777	-529	-325	-7,327
1953	-199	-357	-295	-294	-263	-360	-751	-2,400	-702	-803	-433	0	-6,857
1954	-160	-434	-354	-335	-318	-314	-1,709	-1,688	-707	-525	0	-307	-6,851
1955	-595	-398	-351	-296	-239	-379	-2,078	-1,367	-708	-803	-501	0	-7,715
1956	-336	-433	-411	-381	-317	0	-2,720	-646	-713	-804	-318	0	-7,079
1957	-212	-365	-324	-302	-261	-322	-639	-2,996	-698	-804	-796	-535	-8,254
1958	-674	-697	-592	-500	-436	-419	-667	-614	-713	-646	-21	-267	-6,246
1959	-314	-359	-345	-300	-248	-275	-760	-2,998	-698	-729	-496	0	-7,522
1960	-996	-694	-400	-381	-339	-463	-1,438	-611	-713	-690	0	0	-6,725
1961	-328	-397	-289	-257	-226	-362	-653	-3,331	-696	-642	0	-1,088	-8,269
1962	-1,261	-597	-500	-494	-455	0	-1,067	-612	-713	-804	-782	-3	-7,288
1963	-512	-453	-369	-347	-325	-355	-1,023	-1,580	-707	-654	-132	0	-6,457
1964	0	-351	-254	-253	-241	-244	-470	-3,933	-692	-803	-711	-265	-8,217
1965	-161	-372	-360	-346	-299	-2,091	-544	-615	-714	-804	-795	-720	-7,821
1966	-689	-388	-631	-184	-511	-692	-545	-614	-713	-562	0	0	-5,529
1967	-256	-397	-314	-311	-517	-566	-1,013	-2,598	-701	-803	-335	-139	-7,950
1968	-455	-451	-549	-140	-369	-453	-600	-2,253	-703	-804	-473	-171	-7,421
1969	-639	-608	-819	-335	-499	-735	-857	-613	-713	-803	-719	-787	-8,127
1970	-397	-606	-650	-551	-69	-431	-659	-974	-711	-804	-542	-454	-6,848
1971	-846	-599	-719	-544	-211	-767	-545	-615	-713	-804	-489	-412	-7,264

Simulated Change in Stream Flows in the Yampa River at the Sage Creek Coal Diversion

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1972	-590	-676	-773	-322	-510	-821	-546	-615	-713	-641	-59	-335	-6,601
1973	-481	-547	-726	-237	-405	-511	-791	-1,806	-706	-804	-456	-341	-7,811
1974	-327	-596	-672	-223	-674	-493	-1,357	-612	-713	-379	-259	0	-6,305
1975	-82	-395	-554	-176	-364	-537	-717	-3,067	-698	-804	-768	-176	-8,338
1976	-221	-521	-640	-368	-218	-599	-1,489	-755	-712	-607	-265	-126	-6,521
1977	-168	-382	0	-531	-340	-284	-1,106	-989	-1,151	0	0	0	-4,951
1978	-306	-466	-36	-238	-239	-369	-1,483	-4,571	-688	-804	-512	-158	-9,870
1979	-389	-456	-416	-363	-213	-289	-1,170	-1,777	-706	-804	-275	0	-6,858
1980	-381	-468	-431	-22	-371	-335	-855	-2,600	-701	-803	-260	0	-7,227
1981	-304	-482	-161	-361	-358	-415	-979	-2,420	-702	-591	0	0	-6,773
1982	-692	-486	-602	-362	-420	-611	-1,656	-1,116	-711	-803	-795	-720	-8,974
1983	-689	-599	-500	-500	-442	-535	-546	-614	-713	-803	-795	-388	-7,124
1984	-1,020	-598	-500	-500	-400	-198	-815	-722	-712	-804	-796	-720	-7,785
1985	-689	-541	-550	-500	-333	-217	-973	-613	-713	-803	-412	-178	-6,522
1986	-734	-576	-773	-629	-408	-612	-813	-613	-713	-803	-795	-720	-8,189
1987	-690	-599	-500	-500	-455	-346	-722	-613	-713	-318	-218	-179	-5,853
1988	-289	-621	-531	-499	-447	-320	-1,544	-1,564	-708	-438	-40	-219	-7,220
1989	-23	-397	-427	-311	-375	-612	-2,275	-1,482	-702	-527	-20	0	-7,151
1990	0	-405	-407	-387	-339	-406	-2,172	-1,868	-706	-541	0	0	-7,231
1991	-336	-374	-261	-420	-292	-513	-822	-2,973	-699	-513	-296	-230	-7,729
1992	-304	-490	-370	-470	-416	-729	-1,472	-1,253	-709	-800	0	0	-7,013
1993	-423	-518	-499	-494	-399	-685	-1,731	-997	-710	-803	-220	-254	-7,733
1994	-516	-501	-495	-467	-412	-914	-1,359	-611	-713	0	-67	2	-6,053
1995	-199	-397	-361	-412	-212	-740	-945	-3,245	-696	-805	-578	-423	-9,013
1996	-566	-685	-532	-576	-519	-714	-546	-614	-713	-804	-322	-379	-6,970
1997	-547	-681	-592	-605	-432	-1,036	-548	-614	-714	-803	-796	-720	-8,088
1998	-690	-598	-500	-500	-500	-500	-546	-614	-713	-803	-328	0	-6,292
1999	-473	-648	-519	-579	-461	-1,038	-1,090	-613	-713	-804	-250	-387	-7,575

Simulated Change in Stream Flows in the Yampa River at the Sage Creek Coal Diversion

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2000	-502	-424	-517	-547	-415	-687	-1,409	-612	-713	-416	0	-137	-6,379
2001	-322	-390	-461	-430	-433	-748	-1,955	-1,331	-680	-306	0	0	-7,056
2002	-432	-369	-428	-399	-315	-570	-1,292	-2,452	-701	0	0	0	-6,958
2003	-331	-441	-301	-425	-379	-654	-2,410	-1,578	-707	-516	-20	-2	-7,764
2004	-195	-460	-454	-466	-380	-1,215	-1,780	-1,146	-710	-613	0	-476	-7,895
2005	-764	-668	-583	-589	-359	-674	-1,201	-612	-709	-803	-197	-8	-7,167
Average	-448	-498	-465	-396	-364	-539	-1,149	-1,464	-715	-667	-335	-236	-7,274
Minimum	-1,261	-697	-819	-629	-674	-2,091	-2,720	-4,571	-1,151	-805	-796	-1,088	-9,870
Maximum	0	-351	0	-22	-69	0	-470	-611	-680	0	0	2	-4,951

Source: CDSS, 2012.

Note: A positive number indicates an increase in flow; a negative number indicates a decrease in flow.

Average Monthly Simulated Stream Flows at Trout Creek Dam 1950 – 2005

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
cubic feet per second (cfs)													
1950	8.2	9.5	8.6	7.0	7.7	6.4	28.3	82.2	155.1	27.7	5.0	4.9	29.2
1951	4.7	7.4	7.5	6.4	4.9	5.6	17.4	98.5	104.1	42.5	9.2	3.3	26.1
1952	9.5	7.5	6.9	6.1	5.0	4.7	31.2	155.2	168.6	12.6	8.6	5.5	35.2
1953	3.2	6.0	4.8	4.8	4.7	5.8	12.6	49.4	116.6	17.1	7.0	3.6	19.6
1954	2.6	7.3	5.8	5.4	5.7	5.1	28.7	69.7	29.4	8.9	4.3	5.2	14.9
1955	9.7	6.7	5.7	4.8	4.3	6.2	34.9	82.0	74.2	13.2	8.1	3.2	21.1
1956	5.5	7.3	6.7	6.2	5.5	7.4	45.7	142.6	101.8	16.1	5.2	3.7	29.6
1957	3.4	6.1	5.3	4.9	4.7	5.2	10.7	84.4	206.6	107.2	18.2	9.0	38.9
1958	11.0	11.7	9.7	8.4	7.9	6.8	16.0	154.9	120.0	10.5	5.1	4.7	30.7
1959	5.2	6.1	5.6	4.9	4.5	4.5	12.8	66.1	101.7	11.9	8.1	8.2	20.0
1960	16.2	11.7	6.5	6.2	5.9	7.5	49.3	93.4	97.7	11.2	4.9	3.4	26.2
1961	5.3	6.7	4.7	4.2	4.1	5.9	11.0	72.8	54.2	10.4	5.2	18.3	16.9
1962	25.0	15.0	10.7	8.0	8.2	6.2	72.7	145.1	103.9	30.9	12.7	5.1	37.1
1963	8.3	7.6	6.0	5.6	5.9	5.8	17.2	71.6	57.2	10.6	7.2	3.4	17.3
1964	2.1	5.9	4.1	4.1	4.2	4.0	7.9	99.0	100.1	24.5	11.5	5.4	22.8
1965	2.6	6.3	5.9	5.6	5.4	46.0	15.7	115.5	170.8	61.5	20.4	15.4	39.4
1966	14.1	6.5	10.3	3.0	9.2	12.2	36.0	90.3	43.0	9.3	5.3	2.6	20.2
1967	4.2	6.7	5.1	5.0	9.3	9.2	17.0	87.9	130.3	42.4	5.4	2.3	27.1
1968	7.4	7.6	8.9	2.3	6.4	7.4	10.1	71.4	155.2	21.4	7.7	2.9	25.7
1969	10.4	10.2	13.3	5.5	9.0	12.0	39.4	129.2	73.0	22.1	11.7	13.2	29.2
1970	6.5	10.2	10.6	9.6	1.2	7.0	11.1	128.1	156.2	48.5	8.8	7.6	33.9
1971	13.8	10.1	11.7	12.3	3.8	13.3	30.1	114.2	168.6	37.8	8.0	6.9	35.9
1972	9.6	11.4	12.6	5.2	8.8	15.2	22.9	84.8	89.1	10.4	6.0	5.6	23.5
1973	7.8	9.2	11.8	3.8	7.3	8.3	13.3	113.6	114.1	29.4	7.4	5.7	27.7
1974	5.3	10.0	10.9	3.6	12.1	8.0	24.4	189.1	117.3	6.2	4.2	2.3	32.9
1975	1.3	6.6	9.0	2.9	6.5	8.7	12.0	102.8	173.1	73.9	12.5	2.9	34.4

Average Monthly Simulated Stream Flows at Trout Creek Dam 1950 – 2005

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1976	3.6	8.8	10.4	6.0	3.8	9.7	25.0	93.1	57.6	10.5	4.3	2.1	19.7
1977	2.7	6.4	2.6	8.6	6.1	4.6	18.6	16.1	19.4	4.4	3.4	2.2	7.9
1978	5.0	7.8	5.6	3.9	4.3	6.0	24.9	119.0	221.8	74.0	8.3	2.7	40.3
1979	6.3	7.7	6.8	5.9	3.8	4.7	19.7	127.2	141.6	37.6	4.5	2.8	30.8
1980	6.2	7.9	7.0	5.4	6.4	5.4	14.4	142.5	162.3	27.2	4.2	2.3	32.7
1981	5.0	8.1	6.0	5.9	6.4	6.7	16.5	42.3	46.4	9.6	4.8	2.7	13.4
1982	11.3	8.2	9.8	5.9	7.6	9.9	27.8	119.6	144.3	86.9	21.8	17.5	39.4
1983	16.4	15.8	9.7	8.3	8.0	12.0	16.7	101.6	222.1	95.1	14.4	6.5	43.9
1984	17.2	16.7	11.4	8.8	7.0	3.2	13.7	203.3	206.0	90.0	14.7	13.8	50.7
1985	14.5	9.1	11.1	11.4	6.0	3.5	58.3	152.1	107.1	17.2	6.7	3.0	33.4
1986	11.9	9.7	12.6	10.2	7.3	10.0	67.8	146.2	190.2	54.3	18.2	14.3	46.1
1987	22.1	14.5	10.1	11.0	8.2	5.6	36.1	57.7	24.4	5.2	3.5	3.0	16.8
1988	4.7	10.4	8.6	8.1	7.8	5.2	25.9	98.8	96.5	7.9	4.8	3.8	23.6
1989	2.2	7.6	7.3	5.3	7.0	10.1	38.3	56.1	37.0	8.6	5.3	2.4	15.6
1990	4.1	6.8	6.6	6.3	6.1	6.6	36.5	48.5	84.2	8.8	6.5	5.2	18.8
1991	5.5	6.3	4.2	6.8	5.3	8.3	13.8	89.6	93.3	8.3	4.8	3.9	20.9
1992	4.9	8.2	6.0	7.6	7.2	11.9	24.7	77.2	27.6	13.0	4.4	2.4	16.4
1993	6.9	8.7	8.1	8.0	7.2	11.1	29.1	152.8	157.2	43.2	3.6	4.3	36.8
1994	8.4	8.4	8.1	7.6	7.4	14.9	30.7	83.0	28.4	4.7	4.4	2.3	17.4
1995	3.3	6.7	5.9	6.7	3.8	12.0	15.9	124.2	229.6	112.1	9.4	7.1	44.8
1996	9.2	11.5	8.7	9.4	9.0	12.2	32.7	145.8	142.5	30.7	5.2	6.4	35.4
1997	8.9	11.4	9.6	9.8	7.8	16.8	27.8	166.0	225.8	38.7	17.3	30.3	47.6
1998	21.7	13.5	9.7	10.5	10.4	21.9	30.0	120.3	113.7	42.0	5.3	2.6	33.6
1999	7.7	10.9	8.4	9.4	8.3	16.9	36.7	129.6	130.7	30.4	4.1	6.5	33.4
2000	8.2	7.1	8.4	8.9	7.2	11.2	40.7	137.7	61.5	5.5	3.9	2.4	25.4
2001	4.9	6.6	7.5	7.0	7.8	12.2	32.9	141.8	40.8	4.4	3.2	2.0	22.7
2002	6.2	6.2	7.2	6.7	5.9	9.3	21.7	50.6	22.8	3.2	2.2	1.5	12.0
2003	5.4	7.4	4.9	6.9	6.8	10.6	40.5	148.4	105.6	7.3	4.6	1.9	29.3
2004	3.1	7.7	7.4	7.6	6.6	19.7	29.9	72.9	45.8	10.0	3.3	8.0	18.6

Average Monthly Simulated Stream Flows at Trout Creek Dam 1950 – 2005

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2005	12.4	11.2	9.5	9.6	6.5	11.0	38.4	127.1	139.1	28.2	3.2	1.9	33.2
Average	8.1	8.8	8.0	6.8	6.5	9.6	27.0	106.9	112.6	29.2	7.5	5.7	28.1
Minimum	1.3	5.9	2.6	2.3	1.2	3.2	7.9	16.1	19.4	3.2	2.2	1.5	7.9
Maximum	25.0	16.7	13.3	12.3	12.1	46.0	72.7	203.3	229.6	112.1	21.8	30.3	50.7
acre-feet													
1950	507	564	531	431	426	395	1,686	5,055	9,227	1,704	310	291	21,127
1951	288	440	463	394	274	344	1,036	6,054	6,196	2,616	567	199	18,871
1952	585	447	424	373	285	288	1,858	9,542	10,032	777	529	325	25,465
1953	199	357	295	294	263	359	751	3,035	6,936	1,053	433	215	14,190
1954	160	434	354	335	318	314	1,710	4,283	1,750	546	266	307	10,777
1955	595	397	351	296	239	379	2,078	5,044	4,417	813	501	188	15,298
1956	337	434	411	381	317	458	2,721	8,766	6,060	987	318	220	21,410
1957	212	365	324	302	261	322	639	5,189	12,296	6,590	1,119	535	28,154
1958	674	697	594	518	437	419	951	9,522	7,141	646	316	281	22,196
1959	318	361	347	301	248	276	761	4,066	6,052	729	497	488	14,444
1960	995	694	400	381	340	463	2,934	5,745	5,815	690	301	202	18,960
1961	328	397	288	257	226	362	653	4,477	3,225	642	320	1,088	12,263
1962	1,540	890	655	494	455	384	4,327	8,923	6,181	1,901	782	301	26,833
1963	512	454	369	347	325	354	1,024	4,403	3,405	654	440	204	12,491
1964	132	351	254	252	241	244	470	6,090	5,954	1,507	710	319	16,524
1965	161	372	360	347	299	2,829	935	7,103	10,166	3,783	1,256	916	28,527
1966	868	388	632	184	510	753	2,141	5,555	2,561	574	325	153	14,644
1967	256	397	314	310	517	566	1,013	5,403	7,756	2,605	335	139	19,611
1968	455	450	549	140	369	453	599	4,392	9,234	1,315	473	171	18,600
1969	639	608	818	336	498	735	2,346	7,942	4,346	1,360	719	786	21,133
1970	397	606	651	588	69	431	660	7,874	9,296	2,985	542	454	24,553
1971	847	599	718	754	211	815	1,791	7,021	10,035	2,322	489	412	26,014
1972	590	676	772	322	509	934	1,361	5,216	5,303	641	367	334	17,025
1973	480	546	727	236	406	511	791	6,988	6,792	1,807	456	341	20,081

Average Monthly Simulated Stream Flows at Trout Creek Dam 1950 – 2005

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
1974	327	597	673	223	673	493	1,450	11,630	6,980	380	259	134	23,819
1975	82	395	555	176	363	536	716	6,321	10,302	4,541	768	175	24,930
1976	221	521	640	368	218	599	1,489	5,726	3,426	645	265	125	14,243
1977	169	381	161	530	340	284	1,106	989	1,152	272	212	132	5,728
1978	306	466	344	238	239	369	1,484	7,318	13,198	4,552	512	158	29,184
1979	389	456	416	364	213	289	1,171	7,819	8,427	2,314	275	169	22,302
1980	381	468	431	329	371	335	855	8,765	9,655	1,674	261	138	23,663
1981	305	482	371	361	358	415	979	2,598	2,759	592	297	159	9,676
1982	692	486	602	362	420	611	1,656	7,357	8,588	5,345	1,341	1,040	28,500
1983	1,008	942	594	513	442	740	995	6,245	13,214	5,849	883	388	31,813
1984	1,059	992	700	540	400	198	815	12,501	12,257	5,535	902	822	36,721
1985	894	541	681	702	333	217	3,468	9,351	6,372	1,059	413	178	24,209
1986	734	576	773	629	408	612	4,034	8,990	11,319	3,340	1,122	849	33,386
1987	1,360	864	624	678	455	346	2,149	3,545	1,453	319	218	178	12,189
1988	289	621	531	499	448	320	1,544	6,074	5,740	484	294	227	17,071
1989	137	453	451	328	387	621	2,281	3,451	2,202	528	327	145	11,311
1990	255	405	408	387	339	407	2,171	2,984	5,009	541	402	311	13,619
1991	336	374	260	419	292	513	822	5,510	5,551	513	295	230	15,115
1992	304	490	370	470	416	729	1,472	4,747	1,641	800	272	145	11,856
1993	423	518	499	493	398	685	1,731	9,398	9,356	2,659	220	254	26,634
1994	515	501	496	466	412	914	1,826	5,101	1,690	290	269	139	12,619
1995	200	398	361	412	212	739	945	7,635	13,660	6,894	577	423	32,456
1996	566	685	532	576	519	748	1,948	8,963	8,478	1,885	317	379	25,596
1997	546	681	592	605	432	1,036	1,657	10,208	13,435	2,381	1,062	1,801	34,436
1998	1,333	805	597	647	578	1,346	1,784	7,398	6,768	2,583	328	153	24,320
1999	473	648	519	579	460	1,038	2,186	7,968	7,779	1,871	251	388	24,160
2000	502	424	517	547	414	687	2,419	8,465	3,660	336	240	142	18,353
2001	299	392	462	431	433	749	1,956	8,721	2,426	271	197	117	16,454
2002	382	371	442	415	325	572	1,293	3,109	1,357	196	134	89	8,685

Average Monthly Simulated Stream Flows at Trout Creek Dam 1950 – 2005

Water Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
2003	331	442	301	425	379	654	2,410	9,122	6,283	446	280	111	21,184
2004	193	459	453	465	380	1,214	1,781	4,481	2,723	613	205	477	13,444
2005	764	668	584	589	360	674	2,287	7,815	8,278	1,734	198	114	24,065
Average	497	525	492	417	365	591	1,609	6,571	6,702	1,798	464	342	20,374
Minimum	82	351	161	140	69	198	470	989	1,152	196	134	89	5,728
Maximum	1,540	992	818	754	673	2,829	4,327	12,501	13,660	6,894	1,341	1,801	36,721

Source: CDSS, 2012.