

**FWIP vs Integrated Plan**  
**Version**  
**Yearly Summary**

**RunDate:** 10/11/10      **Start date**      **End date**  
**Baseline:** FWIP      **10/1/1981 to 9/30/2003**  
**Alternative:** Integrated Plan      **10/1/1981 to 9/30/2003**

**Res Bull Trout outmigration**  
**inseason days impassible**

year	Bumping			Cle Elum			Kachess			Keechelus			Rimrock			Wymer			Black Rock		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982							0	0	0.0%	0	0	0.0%	0	0	0.0%						
1983							2	2	0.0%	12	12	0.0%	0	0	0.0%						
1984							0	0	0.0%	14	14	0.0%	0	0	0.0%						
1985							29	29	0.0%	49	35	-28.6%	0	0	0.0%						
1986							17	17	0.0%	43	43	0.0%	0	0	0.0%						
1987							22	22	0.0%	58	55	-5.2%	0	0	0.0%						
1988							42	42	0.0%	55	55	0.0%	0	0	0.0%						
1989							13	13	0.0%	37	15	-59.5%	0	0	0.0%						
1990							14	14	0.0%	46	40	-13.0%	1	1	0.0%						
1991							15	15	0.0%	35	35	0.0%	0	0	0.0%						
1992							11	11	0.0%	57	58	1.8%	0	0	0.0%						
1993							9	9	0.0%	61	61	0.0%	0	0	0.0%						
1994							29	29	0.0%	61	61	0.0%	44	3	-93.2%						
1995							9	9	0.0%	34	61	79.4%	0	0	0.0%						
1996							4	4	0.0%	33	33	0.0%	0	0	0.0%						
1997							11	11	0.0%	14	14	0.0%	0	0	0.0%						
1998							31	31	0.0%	37	36	-2.7%	0	0	0.0%						
1999							4	4	0.0%	9	9	0.0%	0	0	0.0%						
2000							23	23	0.0%	11	11	0.0%	0	0	0.0%						
2001							0	0	0.0%	61	61	0.0%	44	31	-29.5%						
2002							3	3	0.0%	17	17	0.0%	0	0	0.0%						
2003							7	7	0.0%	43	36	-16.3%	0	0	0.0%						

**Average proration %**  
**by Month**

year	April			May			June			July			August			September		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1983	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1984	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1985	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1986	0.962	1.000	4.0%	0.956	1.000	4.6%	0.885	0.998	12.8%	0.872	0.972	11.5%	0.868	0.964	11.0%	0.867	0.962	11.0%
1987	0.809	0.954	17.9%	0.701	0.832	18.6%	0.684	0.797	16.5%	0.671	0.779	16.0%	0.662	0.768	16.1%	0.656	0.761	16.1%
1988	0.813	0.926	13.9%	0.742	0.847	14.1%	0.709	0.822	16.0%	0.700	0.805	15.0%	0.700	0.798	14.0%	0.700	0.793	13.2%
1989	0.981	1.000	1.9%	0.978	1.000	2.3%	0.962	1.000	3.9%	0.943	1.000	6.1%	0.935	0.997	6.6%	0.931	0.990	6.4%
1990	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1991	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1992	0.775	0.844	8.9%	0.761	0.816	7.2%	0.750	0.799	6.5%	0.741	0.778	5.0%	0.742	0.774	4.3%	0.742	0.771	3.9%
1993	0.698	0.755	8.3%	0.681	0.718	5.4%	0.650	0.700	7.6%	0.643	0.700	8.9%	0.630	0.700	11.1%	0.626	0.700	11.8%
1994	0.423	0.695	64.3%	0.366	0.700	91.1%	0.352	0.700	98.7%	0.350	0.700	99.9%	0.356	0.700	96.8%	0.352	0.700	99.1%
1995	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	0.997	-0.3%
1996	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1997	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1998	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
1999	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
2000	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
2001	0.524	0.704	34.2%	0.518	0.700	35.0%	0.520	0.700	34.5%	0.526	0.700	33.1%	0.516	0.700	35.6%	0.510	0.700	37.3%
2002	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%	1.000	1.000	0.0%
2003	0.959	1.000	4.3%	0.955	1.000	4.7%	0.909	1.000	10.0%	0.886	1.000	12.9%	0.886	1.000	12.9%	0.885	1.000	13.0%

TWSA	year	April			May			June			July			August			September		
		Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
On First of Month	1982	3441647	3514476	2.1%	3107833	3171994	2.1%	2475510	2517223	1.7%	1767869	1894583	7.2%	1282615	1429222	11.4%	831606	1015433	22.1%
	1983	3409213	3548284	4.1%	2943407	3085800	4.8%	2309377	2439569	5.6%	1714124	1851789	8.0%	1250626	1410721	12.8%	800189	994256	24.3%
	1984	3284522	3426468	4.3%	2907604	3039188	4.5%	2484351	2603966	4.8%	1780325	1927516	8.3%	1290038	1446927	12.2%	840011	1028340	22.4%
	1985	2814643	3039033	8.0%	2444873	2648913	8.3%	2002230	2166884	8.2%	1497216	1634960	9.2%	1051405	1207397	14.8%	613058	798133	30.2%
	1986	2540587	2748900	8.2%	2233595	2406787	7.8%	1808401	1962893	8.5%	1360857	1524688	12.0%	920650	1094966	18.9%	501803	684918	36.5%
	1987	2328125	2528284	8.6%	2011092	2170883	7.9%	1508823	1657509	9.9%	1125368	1263723	12.3%	733508	856882	16.8%	364024	484024	33.0%
	1988	2363380	2524001	6.8%	1982975	2106670	6.2%	1574550	1680039	6.7%	1181989	1291059	9.2%	778778	875275	12.4%	401242	496872	23.8%
	1989	2724307	2837851	4.2%	2272121	2356191	3.7%	1837161	1905010	3.7%	1404198	1494657	6.4%	952375	1069274	12.3%	518852	661347	27.5%
	1990	3127330	3285748	5.1%	2582840	2717956	5.2%	2173903	2298252	5.7%	1618150	1763646	9.0%	1165099	1328753	14.0%	720795	912826	26.6%
	1991	3045104	3214017	5.5%	2657175	2817015	6.0%	2179383	2322682	6.6%	1672924	1817562	8.6%	1212537	1370005	13.0%	771502	958560	24.2%
	1992	2175936	2367886	8.8%	1936191	2076875	7.3%	1545764	1666746	7.8%	1149223	1273279	10.8%	744242	865987	16.4%	359372	496602	38.2%
	1993	2075449	2256647	8.7%	1819565	1966117	8.1%	1404045	1540964	9.9%	1024184	1164323	13.7%	630193	7413088	84.6%	273868	785775	186.9%
	1994	1747134	1977943	13.2%	1453925	1917528	31.9%	1135562	1555274	37.0%	832668	1183817	42.2%	519011	791532	52.5%	227003	432757	90.6%
	1995	2937555	2876580	-2.1%	2590447	2497068	-3.6%	2029430	1908318	-6.0%	1524254	1441507	-5.4%	1065730	1005125	-5.7%	622772	610123	-2.0%
	1996	3237422	3399738	5.0%	2646697	2804026	5.9%	2137295	2282182	6.8%	1619828	1767209	9.1%	1169811	1334275	14.1%	728381	919903	26.3%
	1997	4575537	4758672	4.0%	3777646	3952122	4.6%	2678080	2824783	5.5%	1913994	2060614	7.7%	1400540	1552724	10.9%	944291	1136142	20.3%
	1998	3170853	3306343	4.3%	2704158	2849503	5.4%	2018547	2156008	6.8%	1505831	1655134	9.9%	1061231	1233731	16.3%	617688	824356	33.5%
	1999	4016391	4220751	5.1%	3584995	3726818	4.0%	2873647	3018728	5.0%	2111938	2258045	6.9%	1497629	1641194	9.6%	1047186	1227777	17.2%
	2000	3318990	3444886	3.8%	2697181	2854360	5.8%	2200295	2344041	6.5%	1617052	1760587	8.9%	1162920	1322183	13.7%	722981	910711	26.0%
	2001	1847050	2090635	13.2%	1638404	2232655	36.3%	1304548	1866972	43.1%	962489	1489156	54.7%	608544	1090858	79.3%	270382	711084	163.0%
	2002	3259887	3379716	3.7%	2809632	2887207	2.8%	2286338	2351543	2.9%	1632153	1763633	8.1%	1171412	1319560	12.6%	729219	906646	24.3%
	2003	2598853	2811061	8.2%	2259670	2443178	8.1%	1835109	2003918	9.2%	1362890	1530857	12.3%	922853	1104680	19.7%	500722	699298	39.7%

Reservoir storage	year	Bumping			Cle Elum			Kachess			Keechelus			Rimrock			Wymer			Black Rock		
		Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
End of Season Carry Over	1981	14547	154198	960.0%	77759	67219	-13.6%	306512	293243	-4.3%	34707	35465	2.2%	74744	112168	50.1%	0	81942	8194242.5%	0	#N/A	#N/A
	1982	15494	155990	906.7%	194117	288060	48.4%	361120	365122	1.1%	75390	71692	-4.9%	37684	97080	157.6%	0	81941	8194117.2%	0	#N/A	#N/A
	1983	14950	153518	926.9%	175000	275563	57.5%	342727	351430	2.5%	62859	57366	-8.7%	40308	100763	150.0%	0	81934	8193358.9%	0	#N/A	#N/A
	1984	14144	152630	979.1%	204598	292590	43.0%	352648	367283	4.1%	69467	71883	3.5%	52568	97120	84.8%	0	81941	8194118.1%	0	#N/A	#N/A
	1985	14448	152463	955.2%	92947	155217	67.0%	299050	319566	6.9%	36388	56206	54.5%	23785	65206	174.1%	0	91901	9190082.6%	0	#N/A	#N/A
	1986	13330	151527	1036.8%	48573	111470	129.5%	285743	302551	5.9%	16876	34783	106.1%	64968	97387	49.9%	0	81812	8181228.6%	0	#N/A	#N/A
	1987	10661	148994	1297.5%	12904	18118	40.4%	253715	267529	5.4%	7369	17902	143.0%	10906	47743	337.8%	0	81934	8193409.4%	0	#N/A	#N/A
	1988	13319	151575	1038.0%	58494	66708	14.0%	262349	270866	3.2%	20527	28569	39.2%	30064	53053	76.5%	0	81941	8194117.9%	0	#N/A	#N/A
	1989	12927	151026	1068.3%	60247	108934	80.8%	294399	290943	-1.2%	22191	33307	50.1%	53281	94142	76.7%	0	81941	8194117.6%	0	#N/A	#N/A
	1990	15663	154933	889.2%	171302	250496	46.2%	340873	362773	6.4%	61921	69151	11.7%	24030	56298	134.3%	0	91901	9190082.6%	0	#N/A	#N/A
	1991	11982	150321	1154.5%	170510	264663	55.2%	339643	363988	7.2%	57934	54603	-5.7%	20341	55210	171.4%	0	81805	8180519.4%	0	#N/A	#N/A
	1992	10226	149174	1358.8%	17230	19884	15.4%	254879	276384	8.4%	12349	18840	52.6%	11187	66355	493.1%	0	81942	8194168.7%	0	#N/A	#N/A
	1993	1542	93904	5989.6%	9632	25596	165.7%	250539	254358	1.5%	6017	7156	18.9%	10312	121370	1077.0%	0	9939	993872.4%	0	#N/A	#N/A
	1994	1554	51706	3227.8%	9796	9623	-1.8%	250222	76884	-69.3%	7825	7200	-8.0%	10424	10615	1.8%	0	2988	298793.0%	0	#N/A	#N/A
	1995	15934	156081	879.5%	134963	181609	34.6%	313655	225379	-28.1%	44240	24427	-44.8%	52667	99829	89.5%	0	85168	8516762.8%	0	#N/A	#N/A
	1996	13743	152550	1010.0%	130151	230885	77.4%	337485	356740	5.7%	65234	61991	-5.0%	39921	76168	90.8%	0	81812	8181228.6%	0	#N/A	#N/A
	1997	15839	166892	953.7%	299101	386801	29.3%	376252	385266	2.4%	93321	99098	6.2%	111761	161094	44.1%	0	81942	8194168.4%	0	#N/A	#N/A
	1998	12706	150843	1087.2%	83123	185123	122.7%	311317	347667	11.7%	42233	41344	-2.1%	20863	59509	185.2%	0	81941	8194117.4%	0	#N/A	#N/A
	1999	16032	154767	865.4%	330575	405415	22.6%	371766	388261	4.4%	104260	98295	-5.7%	76494	139394	82.2%	0	88058	8805803.6%	0	#N/A	#N/A
	2000	15351	153781	901.7%	137541	223354	62.4%	337810	360853	6.8%	62377	64833	3.9%	41041	68401	66.7%	0	91901	9190082.6%	0	#N/A	#N/A
	2001	1601	89121	5466.3%	13228	17448	31.9%	254665	253420	-0.5%	9959	19888	99.7%	10396	56079	439.4%	0	9890	988962.5%	0	#N/A	#N/A
	2002	12639	150969	1094.5%	140072	237832	69.8%	330471	356766	8.0%	56229	54749	-2.6%	20281	40136	97.9%	0	46258	4625770.0%	0	#N/A	#N/A

**Critical Reservoir Storage**

Smolt Passage  
Days below threshold

year	Cle Elum		
	Base	Alternative	Pct Chg
1982	20	45	125.0%
1983	0	0	0.0%
1984	0	0	0.0%
1985	0	0	0.0%
1986	0	0	0.0%
1987	29	28	-3.4%
1988	49	56	14.3%
1989	15	28	86.7%
1990	0	0	0.0%
1991	0	0	0.0%
1992	0	0	0.0%
1993	48	60	25.0%
1994	51	66	29.4%
1995	14	36	157.1%
1996	0	0	0.0%
1997	0	0	0.0%
1998	0	0	0.0%
1999	0	0	0.0%
2000	0	0	0.0%
2001	51	43	-15.7%
2002	25	45	80.0%
2003	0	0	0.0%

Overbank flow > 1.67 yr flood  
day count

year	Easton			Kittitas			Naches			Union Gap			Wapato		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0	0	0.0%	3	0	-100.0%	8	8	0.0%	19	8	-57.9%	11	8	-27.3%
1983	0	0	0.0%	3	2	-33.3%	11	7	-36.4%	13	13	0.0%	11	12	9.1%
1984	3	4	33.3%	4	5	25.0%	0	0	0.0%	15	19	26.7%	5	10	100.0%
1985	0	0	0.0%	0	0	0.0%	0	2	200.0%	0	2	200.0%	0	0	0.0%
1986	0	0	0.0%	0	0	0.0%	4	7	75.0%	3	3	0.0%	7	4	-42.9%
1987	0	0	0.0%	0	0	0.0%	5	7	40.0%	0	0	0.0%	0	0	0.0%
1988	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1989	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1990	2	1	-50.0%	0	0	0.0%	1	1	0.0%	3	2	-33.3%	0	0	0.0%
1991	14	23	64.3%	7	10	42.9%	0	1	100.0%	8	13	62.5%	7	12	71.4%
1992	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1993	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1994	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
1995	0	0	0.0%	0	0	0.0%	7	1	-85.7%	7	5	-28.6%	9	5	-44.4%
1996	23	17	-26.1%	25	21	-16.0%	26	24	-7.7%	53	45	-15.1%	54	48	-11.1%
1997	18	22	22.2%	38	35	-7.9%	32	29	-9.4%	60	63	5.0%	43	44	2.3%
1998	1	0	-100.0%	1	0	-100.0%	10	13	30.0%	10	14	40.0%	2	5	150.0%
1999	3	2	-33.3%	6	3	-50.0%	23	19	-17.4%	21	25	19.0%	8	6	-25.0%
2000	12	8	-33.3%	8	5	-37.5%	0	3	300.0%	13	13	0.0%	10	11	10.0%
2001	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%
2002	0	0	0.0%	0	0	0.0%	1	4	300.0%	6	3	-50.0%	0	2	200.0%
2003	0	0	0.0%	0	0	0.0%	0	0	0.0%	3	1	-66.7%	4	2	-50.0%

Damaging flood (>= 25 yr)	Base	Easton		Pct Chg	Base	Kittitas		Pct Chg	Base	Naches		Pct Chg	Base	Union Gap		Pct Chg	Base	Wapato		Pct Chg
		Alternative	Pct Chg			Alternative	Pct Chg			Alternative	Pct Chg			Alternative	Pct Chg			Alternative	Pct Chg	
day count	1982	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1983	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1984	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1985	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1986	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1987	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1988	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1989	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1990	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1991	0	1	100.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1992	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1993	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1994	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1995	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1996	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1997	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1998	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	1999	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	2000	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	2001	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	2002	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	
	2003	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	0	0	0.0%	

Sediment Transport	Base	Easton		Pct Chg	Base	Kittitas		Pct Chg	Base	Naches		Pct Chg	Base	Union Gap		Pct Chg	Base	Wapato		Pct Chg
		Alternative	Pct Chg			Alternative	Pct Chg			Alternative	Pct Chg			Alternative	Pct Chg			Alternative	Pct Chg	
Fine Material Transport	year	1982	8	9	14.6%	102	89	-13.0%	64	63	-1.8%	215	204	-5.0%	139	134	-3.9%			
		1983	8	10	26.5%	111	107	-3.7%	65	65	0.6%	208	212	1.9%	139	141	1.8%			
		1984	11	13	15.3%	111	106	-4.3%	57	60	4.1%	207	217	5.0%	134	142	5.9%			
		1985	8	8	8.5%	77	75	-2.6%	33	34	4.2%	113	122	8.2%	42	50	18.3%			
		1986	9	9	6.1%	83	79	-4.5%	41	41	1.6%	137	143	4.5%	76	78	3.3%			
		1987	9	9	0.6%	63	62	-1.5%	36	36	-0.4%	105	117	11.2%	51	53	4.4%			
		1988	7	7	1.6%	56	51	-8.9%	27	29	4.1%	92	96	4.7%	35	35	0.4%			
		1989	8	9	13.9%	75	70	-7.6%	36	35	-4.4%	122	124	2.1%	57	58	1.7%			
		1990	10	12	14.1%	97	88	-9.4%	48	50	4.1%	159	162	1.6%	86	87	1.4%			
		1991	20	29	41.1%	132	132	0.1%	53	53	-0.4%	223	228	2.4%	149	151	1.7%			
		1992	11	11	-4.1%	80	82	3.0%	26	24	-8.0%	103	112	9.3%	48	52	8.5%			
		1993	7	6	-18.1%	56	48	-14.0%	26	22	-14.5%	78	81	2.9%	#N/A	28	#N/A			
		1994	7	9	14.6%	43	47	9.5%	20	26	26.9%	60	73	21.4%	22	24	8.2%			
		1995	5	6	16.9%	85	73	-14.3%	62	54	-12.4%	186	167	-10.3%	120	103	-14.4%			
		1996	24	22	-8.1%	204	183	-10.1%	110	113	2.3%	364	357	-1.8%	292	285	-2.3%			
		1997	21	27	29.4%	173	169	-2.5%	109	108	-0.6%	339	343	1.2%	269	273	1.5%			
		1998	9	10	13.7%	102	96	-5.9%	62	65	5.1%	198	205	3.4%	123	131	6.2%			
		1999	13	18	37.5%	109	109	0.0%	92	90	-1.8%	232	243	4.4%	148	157	6.4%			
		2000	15	18	18.9%	122	114	-7.0%	57	60	5.4%	209	217	3.6%	133	140	5.4%			
		2001	10	8	-21.9%	49	48	-2.8%	16	15	-6.4%	63	72	13.9%	19	18	-4.2%			
		2002	7	9	17.6%	92	78	-14.8%	54	52	-3.8%	163	156	-4.4%	90	80	-10.4%			
		2003	7	7	-3.8%	85	80	-6.3%	44	43	-1.5%	132	137	4.2%	69	66	-3.9%			

year	Easton			Kittitas			Naches			Union Gap			Wapato		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	1673	1962	17.3%	28469	19296	-32.2%	24869	25974	4.4%	57252	44548	-22.2%	58713	54313	-7.5%
1983	1970	2592	31.5%	23043	22329	-3.1%	28028	27212	-2.9%	50954	48485	-4.8%	45942	43523	-5.3%
1984	2887	3108	7.7%	29475	27136	-7.9%	20251	20540	1.4%	46931	48737	3.8%	45122	49169	9.0%
1985	1891	1605	-15.1%	16753	17947	7.1%	13663	17629	29.0%	27107	31558	16.4%	17911	19580	9.3%
1986	1553	1562	0.5%	20471	19657	-4.0%	20301	21899	7.9%	44645	40445	-9.4%	45389	42688	-6.0%
1987	1937	1698	-12.3%	15226	15395	1.1%	21941	22110	0.8%	28467	29391	3.2%	21886	20019	-8.5%
1988	1473	1717	16.5%	14952	13342	-10.8%	10641	10640	0.0%	24479	25768	5.3%	16542	17610	6.5%
1989	1871	2180	16.5%	16590	15950	-3.9%	14576	13939	-4.4%	31864	32346	1.5%	25538	25297	-0.9%
1990	2909	3429	17.9%	21942	21852	-0.4%	19304	19441	0.7%	40276	39817	-1.1%	34848	34650	-0.6%
1991	5532	8113	46.7%	32394	38590	19.1%	12023	12375	2.9%	55371	58215	5.1%	55371	58215	5.1%
1992	2155	1559	-27.7%	16666	16448	-1.3%	7649	6356	-16.9%	16796	18022	7.3%	17051	17952	5.3%
1993	1654	1356	-18.0%	15513	14943	-3.7%	13425	10869	-19.0%	18947	16838	-11.1%	#N/A	9305	#N/A
1994	1785	1477	-17.3%	12238	14774	20.7%	8229	8830	7.3%	13598	16814	23.6%	#N/A	8027	#N/A
1995	1613	1802	11.7%	19374	14479	-25.3%	20993	18536	-11.7%	52107	38157	-26.8%	52698	39451	-25.1%
1996	5274	4721	-10.5%	52053	47947	-7.9%	36477	34387	-5.7%	79260	77545	-2.2%	76486	78025	2.0%
1997	5449	6859	25.9%	44365	45108	1.7%	37218	36871	-0.9%	86681	82362	-5.0%	75636	75597	-0.1%
1998	2160	1948	-9.8%	23410	21290	-9.1%	28094	26039	-7.3%	50417	44862	-11.0%	41333	38408	-7.1%
1999	3364	3054	-9.2%	29198	28571	-2.1%	30302	27142	-10.4%	61153	58354	-4.6%	46498	39987	-14.0%
2000	4130	5700	38.0%	28940	24617	-14.9%	17636	16363	-7.2%	49446	43549	-11.9%	43796	41999	-4.1%
2001	2217	1464	-34.0%	13007	15441	18.7%	6204	5089	-18.0%	10487	14238	35.8%	4990	4910	-1.6%
2002	1461	1697	16.1%	22756	15959	-29.9%	18225	18638	2.3%	39658	34297	-13.5%	26339	28826	9.4%
2003	1343	1489	10.9%	17417	15551	-10.7%	19043	18299	-3.9%	31328	28212	-9.9%	32768	29097	-11.2%

year	Easton			Kittitas			Naches			Union Gap			Wapato		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0	0	0.0%	0	0	0.0%	164	163	-0.6%	0	0	0.0%	0	0	0.0%
1983	0	0	0.0%	0	0	0.0%	191	162	-15.2%	0	0	0.0%	0	0	0.0%
1984	0	0	0.0%	0	0	0.0%	181	181	0.0%	0	0	0.0%	0	0	0.0%
1985	0	0	0.0%	0	0	0.0%	90	77	-14.4%	0	0	0.0%	0	0	0.0%
1986	0	0	0.0%	0	0	0.0%	110	112	1.8%	0	0	0.0%	0	0	0.0%
1987	0	0	0.0%	0	0	0.0%	90	96	6.7%	0	0	0.0%	0	0	0.0%
1988	0	0	0.0%	0	0	0.0%	83	83	0.0%	0	0	0.0%	0	0	0.0%
1989	0	0	0.0%	0	0	0.0%	91	86	-5.5%	0	0	0.0%	0	0	0.0%
1990	0	0	0.0%	0	0	0.0%	137	139	1.5%	0	0	0.0%	0	0	0.0%
1991	0	1	100.0%	0	0	0.0%	205	214	4.4%	0	0	0.0%	0	0	0.0%
1992	0	0	0.0%	0	0	0.0%	72	68	-5.6%	0	0	0.0%	0	0	0.0%
1993	0	0	0.0%	0	0	0.0%	69	43	-37.7%	0	0	0.0%	0	0	0.0%
1994	0	0	0.0%	0	0	0.0%	58	73	25.9%	0	0	0.0%	0	0	0.0%
1995	0	0	0.0%	0	0	0.0%	186	161	-13.4%	0	0	0.0%	0	0	0.0%
1996	0	0	0.0%	0	0	0.0%	253	244	-3.6%	5	5	0.0%	0	0	0.0%
1997	0	0	0.0%	0	0	0.0%	211	203	-3.8%	0	0	0.0%	0	0	0.0%
1998	0	0	0.0%	0	0	0.0%	144	145	0.7%	0	0	0.0%	0	0	0.0%
1999	0	0	0.0%	0	0	0.0%	204	192	-5.9%	0	0	0.0%	0	0	0.0%
2000	0	0	0.0%	0	0	0.0%	176	178	1.1%	0	0	0.0%	0	0	0.0%
2001	0	0	0.0%	0	0	0.0%	43	30	-30.2%	0	0	0.0%	0	0	0.0%
2002	0	0	0.0%	0	0	0.0%	135	135	0.0%	0	0	0.0%	0	0	0.0%
2003	0	0	0.0%	0	0	0.0%	148	140	-5.4%	0	0	0.0%	0	0	0.0%



Coho Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.008	0.008	-3.4%	41.28	41.93	1.57%	2.18	2.23	2.30%	15.78	14.75	-6.52%	4.39	4.68	6.51%						
1983	0.018	0.018	2.7%	40.35	41.38	2.55%	2.22	2.27	2.56%	23.41	18.36	-21.59%	4.52	4.33	-4.18%						
1984	0.126	0.065	-48.6%	37.19	37.54	0.96%	2.28	2.23	-2.32%	11.85	13.10	10.55%	4.29	3.98	-7.29%						
1985	0.008	0.008	-3.5%	44.91	44.99	0.19%	2.20	2.18	-0.64%	10.00	10.36	3.56%	6.76	6.30	-6.73%						
1986	0.008	0.008	-3.5%	43.61	42.49	-2.57%	2.29	2.20	-4.00%	10.02	11.43	14.00%	5.02	4.53	-9.90%						
1987	0.008	0.008	-6.3%	43.41	44.03	1.42%	2.30	2.21	-4.01%	9.43	10.26	8.83%	5.72	5.03	-12.02%						
1988	0.008	0.008	-8.1%	43.76	43.46	-0.68%	2.28	2.22	-2.52%	11.00	12.34	12.19%	6.27	5.53	-11.85%						
1989	0.008	0.008	-6.3%	43.55	44.32	1.78%	2.34	2.28	-2.46%	12.06	11.90	-1.32%	4.88	4.56	-6.41%						
1990	0.008	0.008	9.3%	42.64	43.27	1.48%	2.53	2.43	-4.06%	11.63	13.21	13.54%	4.72	4.56	-3.49%						
1991	0.028	0.164	487.7%	10.00	10.56	5.54%	2.44	2.38	-2.54%	16.75	14.51	-13.40%	4.60	4.34	-5.62%						
1992	0.008	0.021	164.5%	44.89	40.68	-9.37%	2.29	2.22	-3.04%	9.53	10.93	14.72%	4.70	4.22	-10.21%						
1993	0.008	0.008	-6.3%	43.31	44.88	3.61%	2.75	2.48	-9.63%	9.16	12.16	32.68%	6.64	6.00	-9.59%						
1994	0.008	0.008	-4.5%	26.75	44.23	65.33%	2.25	2.15	-4.52%	9.68	10.37	7.11%	6.09	5.61	-7.83%						
1995	0.008	0.010	26.5%	43.42	43.30	-0.28%	3.22	2.86	-11.20%	24.54	22.71	-7.47%	4.72	4.35	-7.85%						
1996	0.184	0.132	-27.9%	3.36	16.76	398.18%	2.33	2.22	-5.07%	19.08	15.12	-20.75%	4.50	4.20	-6.81%						
1997	0.187	0.085	-54.6%	31.50	31.53	0.12%	2.57	2.39	-6.92%	11.80	11.87	0.56%	4.86	4.66	-4.04%						
1998	0.008	0.008	-2.7%	43.07	40.61	-5.70%	2.16	2.15	-0.58%	14.96	16.49	10.24%	4.72	4.00	-15.25%						
1999	0.009	0.013	49.1%	40.31	41.68	3.40%	2.14	2.20	2.54%	16.92	14.38	-15.00%	4.20	4.15	-1.37%						
2000	0.115	0.170	48.3%	37.60	31.60	-15.96%	2.60	2.39	-7.88%	10.46	11.63	11.19%	5.59	4.20	-24.76%						
2001	0.008	0.008	-3.5%	43.84	44.73	2.02%	2.17	2.15	-1.11%	9.55	10.26	7.44%	7.06	6.43	-8.87%						
2002	0.008	0.008	-4.5%	44.49	44.26	-0.51%	2.45	2.43	-0.97%	11.24	11.85	5.39%	5.38	4.96	-7.81%						
2003	0.008	0.008	-3.5%	42.50	43.06	1.31%	2.43	2.36	-2.93%	11.53	13.32	15.48%	5.91	5.44	-7.94%						

Steelhead Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.008	0.009	3.9%	49.99	52.69	5.40%	3.78	3.81	0.64%	65.27	63.44	-2.80%	6.24	6.67	6.93%	57.93	60.25	4.01%	21.23	23.23	9.46%
1983	0.008	0.008	-3.5%	51.95	55.47	6.77%	5.27	4.40	-16.51%	65.35	63.09	-3.47%	6.35	5.98	-5.74%	62.50	65.97	5.56%	21.93	20.68	-5.70%
1984	0.008	0.008	-3.5%	52.29	56.67	8.36%	3.48	3.62	3.80%	64.57	62.51	-3.19%	6.05	5.50	-9.13%	57.70	64.84	12.37%	22.80	20.44	-10.38%
1985	0.008	0.008	2.8%	54.44	56.48	3.76%	3.30	3.28	-0.61%	65.84	62.42	-5.20%	9.75	9.15	-6.22%	51.52	55.50	7.72%	24.05	25.74	7.03%
1986	0.008	0.008	-3.5%	53.29	55.03	3.26%	3.27	3.37	3.09%	62.66	63.45	1.27%	7.19	6.41	-10.77%	56.36	62.79	11.41%	23.03	23.14	0.45%
1987	0.008	0.008	-6.3%	54.53	56.94	4.42%	3.27	3.34	1.91%	59.92	61.53	2.70%	8.24	7.24	-12.11%	50.89	58.26	14.48%	21.08	24.24	15.00%
1988	0.008	0.008	-6.3%	49.97	52.49	5.05%	3.32	3.43	3.08%	60.66	63.97	5.46%	8.98	7.94	-11.67%	59.74	65.42	9.51%	21.31	24.88	16.72%
1989	0.008	0.008	-6.3%	51.31	53.91	5.07%	3.36	3.42	1.57%	65.31	65.54	0.35%	7.01	6.49	-7.38%	59.54	64.42	8.20%	24.35	26.04	6.94%
1990	0.028	0.032	14.9%	55.60	56.82	2.21%	3.28	3.48	6.21%	64.63	63.66	-1.50%	6.67	6.42	-3.66%	57.73	64.52	11.76%	22.69	24.00	5.74%
1991	0.105	0.141	33.9%	51.68	56.37	9.09%	3.79	3.82	0.74%	65.29	62.72	-3.93%	6.36	5.97	-6.18%	62.42	64.78	3.79%	17.02	17.57	3.19%
1992	0.008	0.010	27.5%	54.70	53.98	-1.32%	3.49	3.37	-3.41%	61.68	63.00	2.13%	6.82	5.90	-13.42%	43.74	62.23	42.30%	23.69	22.17	-6.45%
1993	0.008	0.008	-6.3%	49.99	54.32	8.65%	3.28	3.60	9.75%	61.59	58.52	-4.99%	9.68	8.77	-9.33%	49.39	62.64	26.84%	22.13	25.64	15.83%
1994	0.008	0.008	-6.3%	39.34	55.40	40.82%	3.27	3.29	0.60%	62.08	66.62	7.31%	8.83	8.11	-8.10%	52.79	56.87	7.73%	20.68	24.64	19.15%
1995	0.008	0.008	-6.3%	48.66	57.72	18.63%	5.25	4.74	-9.77%	64.39	64.03	-0.56%	6.80	6.18	-9.17%	59.04	65.23	10.48%	23.54	23.09	-1.90%
1996	0.035	0.035	-1.8%	50.60	51.28	1.36%	4.27	3.90	-8.69%	63.16	62.53	-1.01%	6.08	5.65	-7.14%	62.34	64.42	3.32%	15.43	16.84	9.17%
1997	0.110	0.164	49.0%	54.17	55.81	3.01%	3.50	3.62	3.37%	64.39	65.07	1.05%	6.76	6.45	-4.54%	53.42	52.59	-1.56%	21.23	20.64	-2.80%
1998	0.026	0.008	-70.0%	53.75	53.53	-0.41%	3.61	3.91	8.38%	64.74	64.71	-0.05%	6.72	5.50	-18.12%	59.24	65.02	9.76%	24.37	22.42	-7.98%
1999	0.091	0.045	-50.6%	51.68	55.13	6.67%	4.35	4.21	-3.13%	64.39	65.28	1.38%	5.82	5.62	-3.35%	52.85	50.61	-4.25%	21.78	19.72	-9.47%
2000	0.076	0.030	-60.6%	54.08	52.46	-3.01%	3.30	3.55	7.65%	64.87	62.44	-3.75%	7.92	5.80	-26.78%	53.71	57.34	6.76%	22.45	21.51	-4.18%
2001	0.008	0.007	-10.2%	52.02	55.24	6.19%	3.41	3.36	-1.29%	58.41	62.09	6.30%	10.07	9.25	-8.18%	44.66	57.50	28.75%	23.46	25.51	8.75%
2002	0.008	0.022	174.5%	52.82	55.53	5.14%	3.36	3.51	4.46%	64.40	63.22	-1.83%	7.86	7.19	-8.56%	56.21	59.02	5.01%	25.96	27.66	6.54%
2003	0.008	0.008	-3.5%	51.47	53.74	4.40%	3.33	3.55	6.55%	65.34	63.70	-2.50%	8.52	7.87	-7.68%	61.05	66.84	9.49%	23.34	24.51	4.98%

Resident Rainbow Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.008	0.008	-6.3%	49.80	51.04	2.50%	4.88	4.93	1.14%	64.55	62.60	-3.01%	7.37	7.86	6.72%	28.74	26.80	-6.77%			
1983	0.008	0.008	-3.5%	44.20	45.21	2.29%	6.49	5.59	-13.97%	64.62	62.23	-3.69%	7.62	7.30	-4.14%	39.21	40.65	3.67%			
1984	0.008	0.008	-3.5%	33.56	33.52	-0.14%	4.51	4.69	3.91%	63.84	61.66	-3.42%	7.22	6.66	-7.69%	25.67	30.59	19.14%			
1985	0.008	0.008	2.8%	60.46	60.94	0.80%	4.18	4.17	-0.33%	65.09	61.56	-5.42%	11.18	10.49	-6.20%	20.40	21.66	6.15%			
1986	0.008	0.008	-3.5%	56.55	52.12	-7.84%	4.17	4.35	4.35%	61.81	62.60	1.28%	8.38	7.58	-9.57%	21.66	25.22	16.44%			
1987	0.008	0.008	-6.3%	56.19	57.29	1.96%	4.15	4.28	2.96%	59.13	60.70	2.66%	9.54	8.45	-11.45%	19.47	22.70	16.61%			
1988	0.008	0.008	-6.3%	58.45	57.74	-1.21%	4.27	4.43	3.72%	59.89	63.25	5.62%	10.38	9.21	-11.25%	25.10	28.10	11.98%			
1989	0.008	0.008	-6.3%	57.92	59.46	2.65%	4.34	4.42	1.83%	64.54	64.75	0.34%	8.20	7.67	-6.47%	26.35	26.71	1.37%			
1990	0.008	0.008	-6.3%	52.40	53.61	2.32%	4.20	4.52	7.61%	63.93	62.82	-1.73%	7.98	7.67	-3.83%	24.31	28.45	17.03%			
1991	0.008	0.008	-3.5%	4.49	5.03	12.05%	4.89	4.95	1.20%	64.56	61.86	-4.17%	7.81	7.30	-6.50%	33.42	31.30	-6.33%			
1992	0.008	0.008	-3.5%	60.57	44.53	-26.49%	4.33	4.35	0.34%	61.02	62.18	1.90%	7.90	7.08	-10.38%	17.62	24.77	40.54%			
1993	0.008	0.008	-6.3%	58.04	60.40	4.08%	4.14	4.64	12.05%	60.92	57.71	-5.27%	11.04	10.03	-9.11%	18.81	28.32	50.56%			
1994	0.008	0.008	-6.3%	36.92	59.27	60.51%	4.16	4.20	0.98%	61.41	65.84	7.20%	10.13	9.35	-7.61%	20.55	21.87	6.44%			
1995	0.008	0.008	-6.3%	56.58	53.67	-5.15%	6.48	5.94	-8.23%	63.69	63.34	-0.55%	7.94	7.31	-7.93%	39.73	40.71	2.47%			
1996	0.008	0.008	-3.5%	1.63	7.90	384.53%	5.45	5.04	-7.56%	62.44	61.66	-1.24%	7.64	7.05	-7.65%	37.33	32.80	-12.14%			
1997	0.110	0.164	49.0%	22.24	22.26	0.09%	4.53	4.69	3.63%	63.69	64.25	0.88%	8.24	7.89	-4.25%	22.42	22.02	-1.79%			
1998	0.013	0.008	-41.4%	55.58	44.45	-20.01%	4.65	5.04	8.45%	64.03	63.89	-0.22%	7.93	6.69	-15.62%	28.71	33.70	17.39%			
1999	0.091	0.045	-50.6%	44.16	45.50	3.05%	5.47	5.32	-2.65%	63.69	64.48	1.23%	7.05	6.96	-1.37%	23.32	20.97	-10.05%			
2000	0.021	0.030	42.8%	33.51	22.29	-33.49%	4.22	4.63	9.55%	64.16	61.60	-3.99%	9.52	7.07	-25.69%	21.38	24.25	13.44%			
2001	0.008	0.007	-10.2%	58.94	60.48	2.60%	4.25	4.33	2.02%	57.67	61.27	6.24%	11.59	10.64	-8.21%	17.85	22.10	23.78%			
2002	0.008	0.022	174.5%	59.73	59.34	-0.65%	4.34	4.49	3.62%	63.70	62.41	-2.03%	9.05	8.34	-7.83%	23.69	26.16	10.40%			
2003	0.008	0.008	-3.5%	54.58	55.57	1.82%	4.29	4.62	7.79%	64.55	62.87	-2.61%	9.84	9.11	-7.42%	25.57	30.48	19.18%			

Bull Trout Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.008	0.008	-3.2%	41.98	41.20	-1.85%	4.13	4.21	1.95%	65.59	68.45	4.35%	6.69	6.90	3.18%						
1983	0.018	0.018	2.7%	40.36	38.65	-4.23%	4.20	4.30	2.44%	72.74	72.24	-0.69%	7.33	7.26	-1.00%						
1984	0.126	0.065	-48.6%	35.52	34.74	-2.20%	4.31	4.21	-2.26%	58.58	65.14	11.20%	6.88	6.50	-5.43%						
1985	0.008	0.008	-0.3%	39.25	40.33	2.76%	4.17	4.14	-0.68%	49.94	54.53	9.20%	9.90	8.94	-9.73%						
1986	0.008	0.008	-0.3%	40.76	40.36	-0.99%	4.33	4.17	-3.71%	53.05	60.32	13.72%	7.39	6.75	-8.59%						
1987	0.008	0.009	6.0%	41.05	40.18	-2.11%	4.34	4.19	-3.63%	47.88	54.39	13.59%	8.63	7.60	-11.99%						
1988	0.008	0.008	-5.2%	40.18	41.05	2.16%	4.30	4.21	-2.16%	58.54	63.32	8.18%	9.68	8.39	-13.34%						
1989	0.008	0.008	-3.2%	41.88	40.86	-2.43%	4.40	4.31	-2.10%	61.92	62.29	0.59%	7.56	7.07	-6.52%						
1990	0.008	0.008	2.6%	40.35	39.59	-1.88%	4.73	4.56	-3.60%	57.89	64.90	12.11%	7.34	7.03	-4.14%						
1991	0.190	0.513	170.1%	9.10	9.03	-0.82%	4.57	4.47	-2.23%	69.15	68.30	-1.22%	7.40	6.94	-6.19%						
1992	0.008	0.021	156.8%	40.12	39.81	-0.77%	4.33	4.22	-2.64%	43.63	58.39	33.83%	6.98	6.69	-4.14%						
1993	0.008	0.008	-3.2%	42.59	40.39	-5.18%	5.04	4.64	-7.82%	46.33	60.69	31.01%	10.17	9.12	-10.31%						
1994	0.009	0.008	-7.5%	22.56	40.66	80.24%	4.25	4.07	-4.40%	50.00	54.95	9.90%	8.93	7.73	-13.35%						
1995	0.008	0.010	15.7%	40.74	39.56	-2.90%	5.69	5.19	-8.75%	71.81	73.00	1.66%	7.49	6.96	-7.07%						
1996	0.193	0.132	-31.4%	3.43	14.93	335.38%	4.39	4.20	-4.45%	71.69	69.16	-3.53%	7.44	6.85	-7.86%						
1997	0.187	0.085	-54.6%	28.06	28.26	0.71%	4.78	4.49	-6.08%	58.41	58.15	-0.45%	7.67	7.41	-3.38%						
1998	0.008	0.008	-0.3%	41.26	39.93	-3.22%	4.10	4.07	-0.60%	66.06	71.05	7.55%	7.31	6.44	-11.84%						
1999	0.009	0.013	49.1%	40.44	38.16	-5.62%	4.06	4.16	2.45%	62.67	61.56	-1.78%	6.58	6.58	-0.03%						
2000	0.115	0.170	48.3%	34.62	28.60	-17.38%	4.84	4.48	-7.35%	54.14	59.25	9.43%	8.70	6.89	-20.81%						
2001	0.008	0.008	-3.2%	41.18	40.86	-0.79%	4.12	4.07	-1.18%	43.87	54.63	24.50%	9.47	8.59	-9.24%						
2002	0.008	0.008	-3.2%	39.63	39.82	0.46%	4.59	4.55	-0.74%	57.05	57.88	1.46%	8.11	7.67	-5.48%						
2003	0.008	0.008	-3.2%	41.87	40.80	-2.55%	4.56	4.45	-2.41%	59.52	66.79	12.21%	8.98	8.12	-9.52%						



Coho Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.007	0.006	-3.26%	14.67	14.26	-2.8%	1.81	1.77	-2.4%	4.62	4.22	-8.6%	2.57	2.53	-1.4%						
1983	0.006	0.006	-0.13%	12.77	11.56	-9.5%	1.86	1.86	0.0%	4.39	4.21	-4.0%	2.28	2.29	0.1%						
1984	0.007	0.010	55.48%	10.30	9.46	-8.1%	1.79	1.79	0.4%	4.67	4.31	-7.8%	2.40	2.41	0.2%						
1985	0.007	0.006	-2.62%	8.97	4.43	-50.6%	1.78	1.78	0.3%	4.82	4.50	-6.7%	2.31	2.31	0.1%						
1986	0.007	0.006	-1.57%	10.44	9.85	-5.7%	1.56	1.68	7.9%	4.71	4.59	-2.5%	2.53	2.50	-1.0%						
1987	0.006	0.006	-4.27%	14.26	9.54	-33.1%	1.57	1.61	2.4%	4.48	4.27	-4.6%	2.65	2.53	-4.7%						
1988	0.007	0.007	2.80%	16.63	12.14	-27.0%	1.54	1.60	4.0%	4.37	4.12	-5.7%	2.59	2.45	-5.2%						
1989	0.006	0.006	-0.54%	19.77	19.88	0.6%	1.72	1.79	4.4%	4.84	4.42	-8.8%	2.21	2.15	-2.9%						
1990	0.006	0.006	-2.30%	17.46	12.24	-29.9%	1.86	1.87	0.6%	5.09	4.41	-13.4%	2.33	2.21	-4.9%						
1991	0.005	0.005	1.45%	8.58	6.58	-23.3%	1.85	1.84	-0.5%	4.60	4.23	-8.0%	3.54	3.48	-1.7%						
1992	0.006	0.006	-4.49%	17.54	17.40	-0.8%	1.44	1.67	15.9%	5.18	4.80	-7.3%	2.39	2.33	-2.6%						
1993	0.007	0.007	1.48%	16.30	15.74	-3.4%	1.54	1.60	4.4%	4.72	4.31	-8.7%	2.53	2.50	-1.3%						
1994	0.007	0.007	5.30%	16.23	8.27	-49.1%	1.43	1.74	21.3%	4.23	4.44	4.9%	2.59	2.55	-1.8%						
1995	0.006	0.006	-0.15%	9.79	12.67	29.5%	1.65	1.74	5.9%	4.40	4.33	-1.7%	2.53	2.33	-7.8%						
1996	0.023	0.018	-23.18%	1.17	5.34	358.1%	1.87	1.86	-0.2%	4.69	4.38	-6.6%	4.80	4.40	-8.3%						
1997	0.013	0.010	-21.58%	9.36	8.70	-7.1%	1.98	2.00	1.0%	4.65	4.16	-10.6%	2.32	2.29	-1.1%						
1998	0.006	0.006	-0.63%	14.55	9.53	-34.5%	1.85	1.84	-0.2%	4.70	4.20	-10.5%	2.31	2.41	4.4%						
1999	0.006	0.006	-0.19%	12.28	11.67	-4.9%	1.86	1.86	-0.4%	4.43	4.30	-2.9%	2.44	2.45	0.3%						
2000	0.006	0.006	-11.48%	13.22	11.88	-10.1%	1.85	1.86	0.6%	4.76	4.26	-10.4%	2.36	2.42	2.4%						
2001	0.006	0.006	-2.09%	9.80	8.95	-8.7%	1.48	1.55	4.8%	4.27	4.31	0.8%	2.50	2.46	-1.6%						
2002	0.006	0.006	-0.03%	17.76	17.82	0.3%	1.83	1.83	0.2%	4.68	4.26	-9.0%	2.24	2.17	-3.4%						
2003	0.006	0.006	-1.73%	12.22	11.46	-6.2%	1.84	1.85	0.5%	4.70	4.60	-2.3%	2.39	2.35	-1.4%						

Steelhead Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.005	0.005	1.41%	30.09	30.22	0.4%	2.18	2.13	-2.4%	20.29	19.59	-3.5%	3.75	3.57	-4.6%	19.12	19.03	-0.5%	8.33	8.40	0.9%
1983	0.005	0.005	7.42%	29.89	29.30	-2.0%	2.15	2.12	-1.5%	20.14	19.44	-3.5%	3.18	3.17	-0.3%	19.10	19.06	-0.2%	8.15	7.96	-2.4%
1984	0.005	0.005	-5.26%	25.82	25.36	-1.8%	2.18	2.13	-2.2%	19.13	17.98	-6.0%	3.24	3.29	1.7%	19.17	19.09	-0.4%	8.17	7.91	-3.2%
1985	0.005	0.005	1.27%	25.09	18.97	-24.4%	2.25	2.17	-3.8%	19.35	18.67	-3.5%	3.24	3.25	0.1%	19.19	19.08	-0.6%	11.77	11.56	-1.8%
1986	0.006	0.006	-0.43%	25.90	25.57	-1.3%	2.25	2.17	-3.4%	19.65	19.77	0.6%	3.60	3.56	-0.9%	19.21	19.11	-0.5%	9.25	9.42	1.8%
1987	0.005	0.005	-0.73%	30.22	25.40	-15.9%	2.16	2.12	-1.9%	22.06	21.96	-0.5%	3.81	3.63	-4.8%	19.08	19.01	-0.4%	11.33	11.45	1.1%
1988	0.005	0.005	-1.69%	27.89	24.51	-12.1%	2.15	2.10	-2.2%	19.77	22.99	16.3%	3.68	3.54	-3.7%	19.07	19.00	-0.4%	12.56	12.82	2.1%
1989	0.005	0.005	0.05%	33.37	33.96	1.8%	2.22	2.13	-4.0%	21.52	21.91	1.8%	3.06	3.00	-2.0%	19.17	19.05	-0.6%	10.70	11.25	5.2%
1990	0.005	0.005	2.46%	34.30	29.64	-13.6%	2.21	2.12	-4.0%	21.92	20.38	-7.0%	3.16	3.04	-3.8%	19.19	19.05	-0.7%	9.44	9.90	4.8%
1991	0.005	0.005	0.31%	29.31	33.24	13.4%	2.17	2.11	-2.5%	22.14	21.04	-5.0%	4.15	4.10	-1.3%	19.08	19.02	-0.3%	7.02	7.03	0.1%
1992	0.005	0.005	-2.37%	34.25	34.33	0.2%	2.23	2.16	-2.9%	24.46	22.16	-9.4%	3.23	3.20	-1.1%	19.12	19.08	-0.2%	9.54	9.73	2.0%
1993	0.005	0.005	-0.91%	29.00	29.59	2.0%	2.18	2.15	-1.5%	31.37	24.02	-23.4%	3.56	3.54	-0.6%	19.14	20.20	5.6%	13.38	12.65	-5.5%
1994	0.006	0.005	-5.76%	27.02	21.99	-18.6%	2.08	1.78	-14.5%	34.88	29.07	-16.7%	3.76	3.73	-0.7%	19.27	19.13	-0.7%	14.22	13.47	-5.3%
1995	0.005	0.005	-1.14%	27.11	29.84	10.1%	2.17	2.12	-2.3%	20.69	23.83	15.2%	3.41	3.19	-6.4%	19.10	19.04	-0.3%	8.17	8.78	7.5%
1996	0.008	0.007	-11.33%	33.50	29.34	-12.4%	2.20	2.15	-2.6%	20.28	19.38	-4.5%	5.52	5.12	-7.3%	19.11	19.04	-0.4%	6.73	6.84	1.7%
1997	0.013	0.014	4.09%	25.30	29.79	17.7%	2.16	2.10	-2.6%	20.15	19.95	-1.0%	3.20	3.16	-1.4%	19.11	19.08	-0.2%	8.12	7.99	-1.6%
1998	0.005	0.005	-7.67%	33.07	27.51	-16.8%	2.20	2.11	-4.0%	21.87	20.54	-6.1%	3.07	3.13	1.8%	19.11	19.00	-0.5%	8.86	8.46	-4.5%
1999	0.010	0.008	-19.25%	29.65	29.35	-1.0%	2.15	2.17	0.8%	20.78	20.92	0.7%	3.21	3.28	2.2%	19.11	19.16	0.3%	8.75	8.43	-3.7%
2000	0.006	0.005	-24.37%	30.11	29.46	-2.2%	2.19	2.11	-3.6%	19.63	18.48	-5.9%	3.21	3.20	-0.5%	19.17	19.04	-0.7%	8.46	7.99	-5.5%
2001	0.005	0.005	0.54%	25.55	25.07	-1.9%	2.13	2.09	-2.1%	26.14	26.54	1.5%	3.51	3.50	-0.1%	19.03	19.35	1.7%	13.70	13.29	-3.0%
2002	0.005	0.005	3.65%	29.12	34.11	17.1%	2.21	2.13	-3.3%	20.05	18.82	-6.1%	3.06	3.01	-1.6%	19.12	19.05	-0.3%	10.13	10.90	7.6%
2003	0.005	0.005	-1.29%	29.63	29.25	-1.3%	2.25	2.19	-2.8%	20.00	19.49	-2.5%	3.32	3.20	-3.6%	19.19	19.12	-0.4%	9.04	9.49	5.0%

Resident Rainbow Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.005	0.005	-0.13%	13.17	19.59	48.8%	2.50	2.43	-2.8%	20.04	19.37	-3.4%	4.64	4.44	-4.3%	8.10	7.83	-3.3%			
1983	0.005	0.005	7.42%	16.89	13.20	-21.9%	2.46	2.42	-1.5%	19.89	19.21	-3.4%	4.04	4.02	-0.4%	7.91	7.80	-1.4%			
1984	0.005	0.005	-5.26%	16.56	14.24	-14.0%	2.50	2.44	-2.5%	18.91	17.79	-5.9%	4.07	4.14	1.6%	8.31	7.97	-4.2%			
1985	0.005	0.005	-3.63%	17.81	12.07	-32.2%	2.60	2.49	-4.3%	19.13	18.47	-3.4%	4.10	4.10	0.1%	8.30	8.07	-2.9%			
1986	0.006	0.006	-0.43%	18.88	18.45	-2.3%	2.60	2.50	-3.8%	19.42	19.54	0.6%	4.48	4.44	-0.7%	8.65	8.27	-4.4%			
1987	0.005	0.005	-0.73%	23.26	18.23	-21.7%	2.47	2.42	-2.1%	21.76	21.66	-0.5%	4.70	4.51	-4.1%	8.04	7.79	-3.1%			
1988	0.005	0.005	-1.69%	24.33	19.72	-18.9%	2.46	2.40	-2.5%	19.54	22.67	16.0%	4.59	4.46	-2.8%	8.03	7.68	-4.4%			
1989	0.005	0.005	0.05%	30.48	30.65	0.5%	2.56	2.44	-4.6%	21.24	21.62	1.8%	3.89	3.83	-1.4%	8.24	7.93	-3.8%			
1990	0.005	0.005	2.46%	26.38	21.73	-17.6%	2.55	2.43	-4.6%	21.62	20.12	-6.9%	3.98	3.86	-3.0%	8.22	7.87	-4.4%			
1991	0.005	0.005	2.78%	5.85	4.26	-27.0%	2.49	2.42	-2.8%	21.83	20.77	-4.9%	5.03	4.97	-1.1%	8.06	7.80	-3.3%			
1992	0.005	0.005	-3.47%	26.90	26.17	-2.7%	2.57	2.48	-3.2%	24.09	21.86	-9.3%	4.05	4.03	-0.5%	8.31	8.10	-2.5%			
1993	0.005	0.005	-0.91%	24.35	23.98	-1.5%	2.50	2.46	-1.7%	30.78	23.66	-23.1%	4.44	4.42	-0.4%	8.24	8.01	-2.7%			
1994	0.006	0.005	-5.76%	23.68	15.75	-33.5%	2.39	2.15	-10.0%	34.12	28.57	-16.3%	4.66	4.66	0.1%	7.79	7.89	1.3%			
1995	0.005	0.005	0.71%	6.50	22.11	240.3%	2.49	2.42	-2.5%	20.43	23.48	14.9%	4.25	4.02	-5.3%	7.96	7.86	-1.3%			
1996	0.005	0.005	0.26%	0.41	3.28	707.2%	2.54	2.46	-3.0%	20.03	19.15	-4.4%	6.35	5.97	-6.0%	8.15	7.92	-2.8%			
1997	0.013	0.014	4.09%	7.16	5.94	-17.1%	2.48	2.40	-3.0%	19.90	19.72	-0.9%	4.06	4.01	-1.3%	8.21	7.79	-5.2%			
1998	0.005	0.005	1.48%	22.67	18.81	-17.0%	2.53	2.42	-4.5%	21.58	20.28	-6.0%	3.88	3.93	1.2%	8.14	7.74	-5.0%			
1999	0.010	0.008	-19.25%	21.76	21.23	-2.4%	2.46	2.48	0.8%	20.51	20.66	0.7%	4.03	4.11	2.1%	8.04	8.00	-0.5%			
2000	0.005	0.005	-0.30%	17.22	14.79	-14.1%	2.52	2.42	-4.1%	19.40	18.27	-5.8%	4.04	4.03	-0.4%	8.33	7.86	-5.7%			
2001	0.005	0.005	-4.49%	18.42	17.80	-3.4%	2.44	2.39	-2.1%	25.70	26.12	1.6%	4.38	4.38	0.0%	7.84	7.91	0.9%			
2002	0.005	0.005	3.65%	23.34	27.36	17.2%	2.54	2.44	-3.7%	19.80	18.61	-6.0%	3.88	3.85	-0.7%	8.09	7.81	-3.5%			
2003	0.005	0.005	-1.29%	21.71	21.04	-3.1%	2.60	2.51	-3.2%	19.75	19.26	-2.5%	4.17	4.04	-3.3%	8.23	8.07	-1.9%			

Bull Trout Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.007	0.006	-3.26%	12.69	12.20	-3.8%	2.55	2.51	-1.6%	20.61	19.97	-3.1%	4.46	4.33	-2.8%						
1983	0.006	0.006	-1.54%	10.42	9.09	-12.8%	2.63	2.63	0.1%	20.30	20.05	-1.3%	3.98	3.95	-0.7%						
1984	0.007	0.010	55.48%	8.90	8.14	-8.5%	2.51	2.52	0.2%	20.69	20.10	-2.8%	4.03	4.11	2.0%						
1985	0.007	0.006	-2.62%	7.70	4.20	-45.5%	2.50	2.51	0.5%	20.84	20.30	-2.6%	3.99	3.99	0.1%						
1986	0.007	0.006	-1.31%	9.03	8.49	-5.9%	2.29	2.40	5.0%	20.90	20.42	-2.3%	4.27	4.27	0.0%						
1987	0.007	0.006	-8.62%	12.21	8.22	-32.7%	2.30	2.34	1.7%	20.25	19.91	-1.6%	4.42	4.24	-4.0%						
1988	0.007	0.007	3.25%	14.67	11.27	-23.2%	2.27	2.33	2.4%	20.15	19.72	-2.2%	4.24	4.13	-2.5%						
1989	0.006	0.006	-2.50%	17.52	17.67	0.9%	2.45	2.54	3.5%	20.70	20.07	-3.0%	3.76	3.65	-3.0%						
1990	0.007	0.006	-1.95%	13.95	9.84	-29.5%	2.58	2.61	1.0%	20.86	20.08	-3.7%	3.93	3.72	-5.3%						
1991	0.013	0.016	25.44%	6.90	5.48	-20.6%	2.63	2.60	-1.1%	20.28	19.90	-1.9%	5.32	5.19	-2.5%						
1992	0.006	0.006	-8.38%	14.10	13.82	-1.9%	2.18	2.39	9.8%	20.99	20.53	-2.2%	3.96	3.95	-0.2%						
1993	0.007	0.007	1.48%	14.40	14.05	-2.4%	2.26	2.33	2.9%	20.55	20.88	1.6%	4.23	4.24	0.2%						
1994	0.007	0.008	3.06%	14.54	7.58	-47.9%	2.17	2.46	13.1%	19.96	20.21	1.2%	4.20	4.44	5.7%						
1995	0.007	0.007	2.80%	8.68	10.31	18.8%	2.37	2.47	4.2%	20.40	20.11	-1.4%	4.21	3.97	-5.6%						
1996	0.023	0.018	-23.18%	1.79	4.59	156.2%	2.68	2.68	-0.2%	20.45	20.03	-2.0%	6.27	5.98	-4.6%						
1997	0.013	0.010	-21.58%	8.06	6.99	-13.3%	3.16	3.22	2.0%	20.37	20.00	-1.8%	4.06	3.96	-2.4%						
1998	0.006	0.006	0.27%	10.73	7.05	-34.3%	2.59	2.60	0.2%	20.54	19.84	-3.4%	3.79	3.90	3.0%						
1999	0.006	0.006	-0.36%	9.87	9.21	-6.7%	2.66	2.66	0.1%	20.35	20.80	2.2%	4.05	4.14	2.1%						
2000	0.006	0.006	-10.00%	10.91	9.44	-13.5%	2.60	2.61	0.4%	20.63	19.94	-3.4%	4.00	4.07	1.8%						
2001	0.008	0.006	-17.62%	8.45	7.68	-9.1%	2.21	2.28	3.0%	19.94	20.26	1.6%	4.15	4.20	1.2%						
2002	0.008	0.007	-15.13%	18.42	14.61	-20.7%	2.57	2.58	0.4%	20.84	20.17	-3.2%	3.77	3.68	-2.4%						
2003	0.006	0.006	-1.73%	9.82	8.98	-8.5%	2.57	2.58	0.3%	20.83	20.42	-2.0%	4.08	3.98	-2.4%						



Coho Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.085	0.064	-25.26%	10.82	11.00	1.7%	3.00	3.26	8.4%	7.04	6.68	-5.1%	3.23	3.19	-1.2%						
1983	0.050	0.039	-21.99%	4.11	12.03	192.6%	3.43	3.55	3.6%	7.11	6.83	-3.9%	3.33	3.38	1.6%						
1984	0.036	0.133	265.56%	4.04	3.76	-7.1%	2.92	2.93	0.5%	7.03	7.01	-0.4%	3.55	3.63	2.1%						
1985	0.017	0.017	-5.62%	3.37	3.38	0.5%	2.66	2.73	2.6%	7.25	6.95	-4.1%	3.58	3.33	-7.1%						
1986	0.030	0.020	-31.42%	3.66	3.39	-7.4%	2.66	2.72	2.2%	6.82	7.07	3.6%	3.45	3.20	-7.1%						
1987	0.014	0.013	-4.65%	2.87	10.79	276.0%	2.70	2.77	2.5%	7.08	7.33	3.5%	3.36	3.09	-7.9%						
1988	0.017	0.017	-3.15%	0.41	12.00	2848.0%	2.72	2.76	1.5%	7.04	6.81	-3.3%	3.36	3.19	-5.3%						
1989	0.013	0.013	-1.72%	3.06	3.22	5.2%	3.13	3.15	0.9%	6.86	6.82	-0.6%	3.14	3.13	-0.3%						
1990	0.019	0.152	703.91%	3.30	10.52	218.8%	3.03	3.00	-0.9%	7.56	7.25	-4.2%	3.21	3.27	1.9%						
1991	0.032	0.020	-36.32%	8.20	8.26	0.7%	2.83	2.89	2.2%	7.30	7.57	3.7%	3.82	4.15	8.5%						
1992	0.014	0.015	2.73%	1.24	4.00	222.3%	2.29	2.32	1.1%	8.73	8.60	-1.5%	3.37	3.28	-2.5%						
1993	0.019	0.018	-5.33%	3.21	11.73	264.9%	2.38	2.43	2.2%	8.30	6.52	-21.5%	3.87	3.54	-8.5%						
1994	0.021	0.017	-20.31%	4.49	9.80	118.5%	2.63	2.55	-3.2%	7.22	6.62	-8.3%	3.74	3.33	-11.1%						
1995	0.140	0.076	-46.07%	9.57	13.01	36.0%	3.28	3.04	-7.4%	6.90	6.60	-4.3%	3.73	3.53	-5.5%						
1996	0.705	0.781	10.69%	13.15	7.56	-42.5%	3.46	3.52	1.7%	6.99	6.89	-1.4%	6.56	6.90	5.1%						
1997	0.209	0.248	18.42%	0.91	3.69	307.5%	3.63	3.65	0.6%	7.00	6.77	-3.4%	3.60	3.69	2.5%						
1998	0.011	0.008	-29.29%	3.98	13.31	234.6%	3.29	3.24	-1.5%	7.14	6.75	-5.5%	3.34	3.36	0.3%						
1999	0.015	0.036	137.27%	3.99	4.04	1.3%	3.35	3.56	6.2%	9.31	8.23	-11.6%	3.40	3.57	5.1%						
2000	0.027	0.027	2.91%	4.01	3.44	-14.2%	3.34	3.37	0.9%	7.34	6.91	-5.8%	3.45	3.53	2.3%						
2001	0.018	0.018	-2.18%	0.81	0.85	3.8%	2.25	2.27	1.2%	8.06	6.63	-17.7%	4.02	3.67	-8.6%						
2002	0.021	0.011	-48.43%	18.31	11.62	-36.5%	3.24	3.33	2.9%	7.80	7.33	-6.0%	3.20	3.24	1.1%						
2003	0.065	0.119	81.91%	0.88	0.90	1.5%	3.14	3.17	0.9%	6.92	7.07	2.2%	3.83	3.58	-6.7%						

Steelhead Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.251	0.299	18.93%	28.51	28.86	1.3%	3.37	3.35	-0.6%	45.53	45.66	0.3%	4.44	4.18	-5.8%	52.62	52.94	0.6%	11.43	10.37	-9.3%
1983	0.471	0.531	12.80%	22.17	31.47	42.0%	3.34	3.35	0.2%	45.36	45.87	1.1%	4.46	4.34	-2.6%	50.00	50.25	0.5%	8.32	8.61	3.5%
1984	0.123	0.128	4.27%	22.26	19.64	-11.8%	3.37	3.35	-0.7%	45.69	45.44	-0.6%	4.58	4.60	0.4%	49.25	49.68	0.9%	8.50	8.59	1.0%
1985	0.041	0.312	662.99%	17.71	17.80	0.5%	3.35	3.35	0.0%	45.36	45.85	1.1%	5.29	4.66	-11.8%	52.98	52.69	-0.5%	15.83	15.29	-3.4%
1986	0.269	0.316	17.13%	19.14	17.81	-7.0%	3.37	3.37	0.0%	47.69	48.03	0.7%	4.86	4.34	-10.7%	51.98	52.31	0.6%	10.28	10.16	-1.1%
1987	0.271	0.323	19.09%	15.27	24.50	60.4%	3.35	3.37	0.5%	46.86	48.77	4.1%	4.60	4.16	-9.6%	52.31	52.44	0.2%	11.26	11.78	4.6%
1988	0.034	0.015	-55.73%	5.01	26.98	438.9%	3.33	3.30	-0.9%	47.10	48.18	2.3%	4.55	4.18	-8.0%	50.40	48.93	-2.9%	13.79	12.92	-6.3%
1989	0.053	0.037	-30.72%	16.20	16.99	4.8%	3.32	3.32	-0.1%	45.45	46.06	1.4%	4.17	4.16	-0.2%	51.50	51.56	0.1%	12.31	12.19	-1.0%
1990	0.136	0.133	-1.97%	17.40	23.95	37.7%	3.34	3.33	-0.3%	47.50	46.08	-3.0%	4.18	4.20	0.4%	49.57	49.92	0.7%	10.15	9.84	-3.1%
1991	0.023	0.025	7.37%	32.51	32.48	-0.1%	3.33	3.35	0.8%	46.00	45.71	-0.6%	4.71	5.03	6.8%	49.16	49.21	0.1%	7.67	7.48	-2.4%
1992	0.018	0.021	19.30%	12.09	22.32	84.6%	3.39	3.38	-0.3%	46.32	45.91	-0.9%	4.52	4.33	-4.2%	51.99	51.69	-0.6%	9.01	8.82	-2.1%
1993	0.030	0.017	-42.85%	16.97	26.43	55.8%	3.43	3.26	-4.7%	46.00	50.68	10.2%	5.32	4.86	-8.7%	51.04	50.34	-1.4%	16.40	16.95	3.4%
1994	0.017	0.015	-10.64%	10.62	22.48	111.6%	3.44	3.42	-0.7%	45.59	45.89	0.6%	5.30	4.50	-15.1%	50.51	48.74	-3.5%	17.62	14.28	-19.0%
1995	0.245	0.143	-41.45%	14.85	29.07	95.7%	3.33	3.34	0.2%	45.31	45.80	1.1%	4.90	4.56	-6.9%	51.45	50.43	-2.0%	8.41	8.42	0.1%
1996	0.075	0.077	1.92%	41.78	41.51	-0.6%	3.35	3.34	0.0%	45.25	45.87	1.4%	7.99	8.47	6.0%	49.75	49.41	-0.7%	8.65	9.92	14.7%
1997	0.665	0.654	-1.67%	9.51	19.33	103.3%	3.39	3.33	-1.7%	45.56	45.25	-0.7%	4.76	4.69	-1.5%	53.06	53.56	0.9%	8.04	8.37	4.1%
1998	0.364	0.275	-24.41%	22.35	31.23	39.7%	3.29	3.29	0.0%	45.82	45.42	-0.9%	4.24	4.23	-0.1%	53.26	53.21	-0.1%	8.83	8.94	1.2%
1999	0.367	0.376	2.58%	22.33	22.26	-0.3%	4.44	4.74	6.9%	45.90	48.79	6.3%	4.34	4.54	4.4%	56.62	54.76	-3.3%	8.68	9.00	3.7%
2000	0.112	0.096	-14.04%	22.31	18.06	-19.1%	3.34	3.34	-0.1%	45.65	45.39	-0.6%	4.46	4.46	0.0%	50.60	50.61	0.0%	8.02	8.15	1.6%
2001	0.018	0.022	20.60%	8.80	9.04	2.7%	3.55	3.27	-7.8%	46.51	48.93	5.2%	5.98	5.35	-10.5%	50.88	51.23	0.7%	17.35	17.18	-1.0%
2002	0.155	0.230	48.58%	26.01	26.21	0.8%	3.34	3.36	0.7%	45.74	45.49	-0.5%	4.19	4.19	0.2%	52.90	51.33	-3.0%	10.81	9.99	-7.6%
2003	0.090	0.094	4.37%	9.34	9.44	1.1%	3.32	3.34	0.7%	45.31	45.67	0.8%	5.45	5.01	-8.2%	51.08	51.29	0.4%	10.18	9.74	-4.3%

Resident Rainbow Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.251	0.299	18.93%	8.28	8.40	1.4%	4.27	4.25	-0.5%	45.37	45.44	0.2%	5.72	5.41	-5.5%	16.94	17.35	2.4%			
1983	0.471	0.531	12.80%	13.50	23.40	73.3%	4.23	4.22	0.0%	45.18	45.64	1.0%	5.74	5.64	-1.7%	15.81	16.17	2.3%			
1984	0.123	0.128	4.27%	13.39	12.40	-7.4%	4.26	4.23	-0.7%	45.53	45.26	-0.6%	5.97	6.00	0.6%	14.96	15.15	1.3%			
1985	0.041	0.312	662.99%	11.33	11.38	0.4%	4.20	4.21	0.2%	45.17	45.62	1.0%	6.69	6.02	-10.0%	17.53	17.38	-0.8%			
1986	0.269	0.316	17.13%	12.13	11.39	-6.1%	4.22	4.20	-0.4%	47.35	47.67	0.7%	6.22	5.62	-9.7%	16.74	16.94	1.2%			
1987	0.271	0.323	19.09%	9.98	19.32	93.5%	4.21	4.23	0.5%	46.64	48.58	4.2%	5.95	5.41	-9.1%	17.03	17.24	1.2%			
1988	0.013	0.009	-32.78%	2.31	21.21	820.2%	4.22	4.21	-0.2%	46.92	47.95	2.2%	5.84	5.42	-7.2%	15.58	15.00	-3.7%			
1989	0.050	0.037	-26.84%	10.50	10.93	4.1%	4.21	4.21	0.2%	45.28	45.83	1.2%	5.40	5.38	-0.4%	16.09	16.15	0.4%			
1990	0.021	0.022	7.23%	11.16	18.90	69.4%	4.22	4.21	-0.2%	47.33	45.93	-3.0%	5.42	5.43	0.2%	15.35	15.33	-0.1%			
1991	0.023	0.025	7.37%	21.07	21.12	0.2%	4.21	4.23	0.3%	45.86	45.55	-0.7%	6.17	6.62	7.3%	15.18	15.59	2.7%			
1992	0.018	0.021	19.30%	5.74	13.32	132.3%	4.23	4.22	-0.2%	46.15	45.74	-0.9%	5.86	5.65	-3.7%	19.06	18.45	-3.2%			
1993	0.030	0.017	-42.85%	10.92	20.79	90.4%	4.24	4.18	-1.6%	45.85	50.14	9.4%	6.81	6.27	-8.0%	17.23	15.13	-12.2%			
1994	0.017	0.015	-10.64%	8.49	17.78	109.5%	4.28	4.29	0.2%	45.43	45.68	0.5%	6.71	5.84	-13.0%	15.54	14.80	-4.8%			
1995	0.245	0.143	-41.45%	7.86	22.80	190.1%	4.23	4.23	0.0%	45.13	45.62	1.1%	6.35	5.93	-6.6%	16.38	15.44	-5.7%			
1996	0.058	0.061	4.91%	7.08	3.67	-48.2%	4.22	4.21	-0.2%	45.06	45.67	1.4%	10.47	11.07	5.7%	15.18	14.98	-1.3%			
1997	0.665	0.654	-1.67%	4.47	12.23	173.8%	4.31	4.25	-1.5%	45.39	45.06	-0.7%	6.20	6.13	-1.0%	17.21	17.59	2.2%			
1998	0.364	0.275	-24.41%	13.28	24.02	80.8%	4.18	4.20	0.3%	45.66	45.24	-0.9%	5.51	5.50	-0.1%	17.01	16.78	-1.3%			
1999	0.367	0.376	2.58%	13.30	13.39	0.6%	5.46	5.79	6.0%	45.75	48.38	5.8%	5.64	5.93	5.0%	21.55	20.65	-4.2%			
2000	0.092	0.096	4.36%	13.33	11.53	-13.5%	4.22	4.21	-0.2%	45.48	45.22	-0.6%	5.78	5.78	-0.1%	15.67	15.56	-0.7%			
2001	0.018	0.022	20.60%	4.12	4.23	2.8%	4.35	4.19	-3.6%	46.35	48.52	4.7%	7.49	6.77	-9.7%	16.45	15.58	-5.3%			
2002	0.132	0.169	28.37%	22.66	20.62	-9.0%	4.20	4.24	0.9%	45.57	45.32	-0.6%	5.43	5.43	-0.1%	17.89	16.60	-7.2%			
2003	0.090	0.094	4.37%	4.38	4.43	1.1%	4.21	4.21	0.0%	45.13	45.51	0.8%	6.90	6.40	-7.2%	15.95	16.27	2.0%			

Bull Trout Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.085	0.064	-25.26%	9.31	9.39	0.9%	6.08	6.58	8.2%	63.52	64.45	1.5%	5.65	5.45	-3.4%						
1983	0.050	0.039	-21.99%	4.17	10.25	145.6%	7.15	7.41	3.6%	63.22	63.76	0.9%	5.83	5.95	2.0%						
1984	0.036	0.133	265.56%	4.07	4.20	3.1%	5.82	5.85	0.6%	64.36	64.85	0.8%	6.22	6.29	1.1%						
1985	0.018	0.017	-4.50%	4.05	4.06	0.2%	5.32	5.45	2.4%	65.69	66.39	1.1%	6.29	5.86	-6.8%						
1986	0.030	0.020	-31.42%	4.16	4.06	-2.4%	5.29	5.40	2.2%	66.67	67.43	1.1%	6.10	5.63	-7.7%						
1987	0.017	0.018	3.38%	3.87	9.77	152.3%	5.39	5.52	2.5%	65.90	67.36	2.2%	5.86	5.34	-8.9%						
1988	0.021	0.019	-10.93%	0.76	10.56	1295.1%	5.45	5.52	1.3%	65.53	65.00	-0.8%	5.84	5.42	-7.2%						
1989	0.017	0.017	0.63%	3.94	4.00	1.5%	6.31	6.36	0.7%	64.76	65.73	1.5%	5.36	5.31	-0.9%						
1990	0.019	0.152	703.91%	4.03	9.59	138.1%	6.04	6.00	-0.7%	66.99	66.02	-1.4%	5.47	5.51	0.9%						
1991	0.101	0.153	52.04%	7.02	7.07	0.8%	5.63	5.76	2.3%	65.07	64.76	-0.5%	6.58	7.08	7.6%						
1992	0.020	0.019	-2.00%	1.56	4.01	157.1%	4.60	4.64	0.9%	65.72	66.14	0.6%	5.81	5.69	-2.2%						
1993	0.025	0.018	-28.11%	4.00	10.38	159.8%	4.75	4.85	2.1%	64.94	65.88	1.5%	6.78	6.19	-8.8%						
1994	0.026	0.018	-29.89%	4.57	9.12	99.7%	5.23	5.07	-3.2%	63.82	64.51	1.1%	6.64	5.84	-12.1%						
1995	0.140	0.076	-46.07%	9.01	11.23	24.6%	6.68	6.10	-8.8%	63.45	64.18	1.1%	6.72	6.23	-7.2%						
1996	0.705	0.781	10.69%	7.03	4.06	-42.3%	7.17	7.25	1.0%	63.05	63.37	0.5%	10.86	11.36	4.6%						
1997	0.209	0.248	18.42%	1.30	4.17	222.0%	9.05	9.10	0.5%	63.71	64.58	1.4%	6.47	6.54	1.1%						
1998	0.020	0.254	1186.24%	3.97	11.31	184.9%	7.00	6.88	-1.7%	65.20	64.35	-1.3%	5.68	5.69	0.2%						
1999	0.019	0.036	90.51%	3.99	4.07	2.0%	7.05	7.48	6.1%	67.08	67.17	0.1%	5.93	6.19	4.5%						
2000	0.027	0.176	563.40%	4.01	4.08	1.6%	6.89	6.88	-0.1%	64.77	64.31	-0.7%	6.04	6.08	0.7%						
2001	0.025	0.018	-26.56%	1.22	1.25	2.0%	4.64	4.67	0.6%	65.15	66.50	2.1%	6.92	6.45	-6.8%						
2002	0.026	0.017	-31.91%	20.46	10.31	-49.6%	6.71	6.76	0.8%	65.01	63.88	-1.7%	5.46	5.46	0.0%						
2003	0.065	0.119	81.91%	1.28	1.29	0.8%	6.27	6.33	1.0%	64.84	65.28	0.7%	6.86	6.36	-7.3%						



Coho Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.031	0.028	-7.80%	3.22	4.56	41.7%	6.56	6.47	-1.3%	28.03	27.99	-0.1%	44.27	44.73	1.0%						
1983	0.026	0.026	0.02%	5.17	5.15	-0.5%	6.32	6.39	1.0%	27.92	27.93	0.0%	44.40	44.63	0.5%						
1984	0.029	0.034	20.26%	3.75	3.60	-3.9%	7.39	7.32	-1.0%	28.05	28.28	0.8%	45.15	45.33	0.4%						
1985	0.030	0.030	-1.08%	3.69	3.73	1.1%	7.18	7.10	-1.2%	27.53	27.70	0.6%	42.76	42.90	0.3%						
1986	0.028	0.029	0.77%	2.71	2.95	8.7%	7.67	7.45	-2.8%	26.98	27.19	0.8%	43.16	43.46	0.7%						
1987	0.031	0.030	-1.61%	4.96	5.04	1.7%	7.15	7.04	-1.5%	26.41	26.62	0.8%	42.71	43.09	0.9%						
1988	0.032	0.035	7.20%	4.90	4.93	0.6%	7.36	7.32	-0.5%	26.55	26.66	0.4%	41.82	41.90	0.2%						
1989	0.025	0.024	-2.88%	7.49	7.53	0.5%	6.82	6.80	-0.3%	27.18	27.09	-0.3%	44.07	44.36	0.7%						
1990	0.025	0.025	-1.39%	7.48	7.45	-0.4%	6.48	6.44	-0.6%	27.83	28.02	0.7%	44.14	44.38	0.5%						
1991	0.021	0.025	19.07%	4.31	4.25	-1.4%	6.99	6.93	-0.8%	27.76	28.00	0.9%	46.53	46.67	0.3%						
1992	0.025	0.025	0.41%	7.58	5.34	-29.6%	7.98	7.83	-1.8%	26.64	26.69	0.2%	43.66	43.87	0.5%						
1993	0.034	0.036	4.70%	4.88	4.91	0.7%	7.74	7.81	0.9%	26.02	26.36	1.3%	41.85	42.11	0.6%						
1994	0.036	0.036	0.62%	4.31	4.85	12.5%	7.94	7.86	-1.0%	25.08	26.11	4.1%	40.87	41.64	1.9%						
1995	0.031	0.026	-15.12%	2.17	4.81	121.3%	6.98	6.98	0.0%	27.77	27.43	-1.2%	43.37	44.13	1.8%						
1996	0.218	0.173	-20.66%	0.40	0.68	70.1%	6.20	6.22	0.2%	27.72	27.97	0.9%	49.31	49.28	-0.1%						
1997	0.053	0.046	-13.58%	4.31	3.64	-15.7%	5.64	5.64	0.0%	28.28	28.26	-0.1%	44.59	44.86	0.6%						
1998	0.020	0.017	-12.79%	5.56	5.41	-2.7%	6.11	6.15	0.7%	27.66	27.62	-0.2%	45.48	45.60	0.3%						
1999	0.022	0.021	-3.54%	7.62	7.37	-3.2%	6.19	5.99	-3.3%	28.42	28.49	0.3%	44.50	44.71	0.5%						
2000	0.029	0.029	0.26%	3.68	3.68	0.1%	5.99	6.14	2.5%	27.79	28.03	0.9%	44.63	45.13	1.1%						
2001	0.035	0.035	0.13%	3.16	3.52	11.2%	8.14	8.06	-1.0%	25.84	26.43	2.3%	41.21	41.51	0.7%						
2002	0.022	0.022	-1.58%	7.16	8.77	22.4%	6.65	6.65	0.0%	27.75	27.94	0.7%	43.42	44.18	1.7%						
2003	0.032	0.032	1.39%	2.82	3.30	16.7%	7.58	7.44	-1.8%	27.04	27.68	2.3%	42.68	42.83	0.3%						

Steelhead Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982													47.26	47.76	1.1%						
1983													47.38	47.63	0.5%						
1984													48.15	48.35	0.4%						
1985													45.56	45.72	0.4%						
1986													46.02	46.35	0.7%						
1987													45.51	45.93	0.9%						
1988													44.51	44.60	0.2%						
1989													47.03	47.36	0.7%						
1990													47.11	47.37	0.6%						
1991													49.66	49.83	0.3%						
1992													46.57	46.80	0.5%						
1993													44.54	44.83	0.7%						
1994													43.45	44.31	2.0%						
1995													46.21	47.08	1.9%						
1996													53.09	53.03	-0.1%						
1997													47.58	47.87	0.6%						
1998													48.52	48.64	0.2%						
1999													47.47	47.69	0.5%						
2000													47.63	48.15	1.1%						
2001													43.83	44.16	0.7%						
2002													46.30	47.15	1.8%						
2003													45.48	45.64	0.3%						





Coho Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982	0.007	0.006	-1.91%	11	11	1%	26	26	0%	61	62	1%	112	115	2%						
1983	0.007	0.006	-2.18%	4	4	0%	25	25	2%	62	62	-1%	114	116	2%						
1984	0.007	0.007	-1.30%	4	4	0%	23	23	0%	62	60	-3%	121	124	2%						
1985	0.007	0.007	-3.49%	36	35	-1%	22	22	1%	68	66	-3%	102	103	2%						
1986	0.007	0.007	-1.15%	13	13	6%	19	20	4%	67	66	-2%	102	105	3%						
1987	0.007	0.007	-2.57%	20	19	-6%	23	23	-1%	67	68	2%	103	106	3%						
1988	0.007	0.007	-1.97%	36	32	-10%	23	21	-8%	66	67	1%	97	98	1%						
1989	0.007	0.007	-0.79%	30	20	-34%	23	22	-4%	66	68	2%	110	112	1%						
1990	0.007	0.007	-1.63%	19	19	2%	21	21	-1%	64	62	-3%	112	114	2%						
1991	0.006	0.006	-0.33%	4	4	-1%	23	23	0%	65	62	-5%	131	133	1%						
1992	0.007	0.007	-1.34%	19	15	-21%	19	19	0%	67	67	0%	101	103	2%						
1993	0.008	0.007	-3.80%	36	32	-11%	22	21	-3%	65	67	4%	95	97	2%						
1994	0.008	0.007	-3.24%	37	33	-11%	20	18	-10%	66	69	4%	88	95	7%						
1995	0.007	0.006	-1.99%	2	4	74%	26	26	1%	64	66	3%	108	110	2%						
1996	0.005	0.005	1.71%	0	2	392%	23	23	1%	65	62	-6%	156	159	2%						
1997	0.007	0.007	-1.51%	4	4	-1%	17	17	0%	60	60	0%	116	119	2%						
1998	0.006	0.006	-0.25%	18	7	-62%	25	25	2%	66	66	0%	127	128	1%						
1999	0.007	0.006	-2.11%	14	14	-3%	24	24	-1%	61	61	1%	115	119	3%						
2000	0.006	0.006	-3.02%	7	7	0%	22	23	3%	65	62	-5%	116	121	4%						
2001	0.008	0.007	-1.53%	40	39	-1%	19	18	-6%	67	67	-1%	90	91	2%						
2002	0.007	0.007	1.37%	15	11	-28%	25	25	0%	65	62	-4%	109	111	2%						
2003	0.007	0.007	-3.61%	15	13	-11%	22	22	-2%	67	65	-2%	100	102	2%						

Steelhead Fish Year	Redd Scour			Spawning/incubation			Fry			Sub-yearling (Spring-summer)			Sub-yearling (winter)			Sub-Adult			Adult holding		
	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg	Base	Alternative	Pct Chg
1982													121	124	2%						
1983													123	126	2%						
1984													131	134	2%						
1985													110	112	2%						
1986													110	114	3%						
1987													111	114	3%						
1988													106	106	1%						
1989													119	121	1%						
1990													121	123	2%						
1991													142	143	1%						
1992													109	112	2%						
1993													104	106	2%						
1994													98	104	6%						
1995													118	120	2%						
1996													171	174	2%						
1997													126	128	2%						
1998													137	138	1%						
1999													124	128	3%						
2000													125	130	4%						
2001													99	100	2%						
2002													119	120	1%						
2003													109	111	2%						

