

Steelhead Historical Database

WDFW Fish Mgmt HQ, 600 Capitol Way N, Olympia 98501, (360) 902-2820/2817

Entiat River Summer-run Steelhead (Inland - Columbia)

WDFW District 7, 3860 Chelan Hwy, Wenatchee 98801, (509) 665-3337

WRIA 46.0042

Chelan County

Example: Hatchery smolt releases during the spring of 1978 will produce the majority of adults returning for the 1979-80 winter and 1980 summer harvest seasons

1May-30Apr

Smolt

Revised: 09-07-05

Return Year (N)	Sport Harvest (1May-30Apr)			Tribal Harvest (1May-30Apr)			Escapement			Total Runsize			~May Release Return N+2	Comments
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total		
1977/78														
1978			8						778			786	33,264	Interim EG=500
1979			64						1,399			1,463	41,640	Interim Abundance Target = 500
1980			43						845			888	16,780	Wild river entry: M. Jul - L. Apr
1981			88						1,553			1,641	35,536	Wild spawn: E. Mar - E. Jun
1982			69						1,774			1,843	41,254	
1983			174						1,016			1,190	48,328	
1984			120						918			1,038	47,021	
1985			183						2,819			3,002	44,280	
1986	101	17	118				1,803	71	1,874	1,904	88	1,992	46,185	WSR
1987	44	0	44				1,701	343	2,044	1,745	343	2,088	46,500	
1988	114	0	114				1,008	150	1,158	1,122	150	1,272	44,000	
1989	24	0	24				1,280	183	1,463	1,304	183	1,487	38,400	
1990	19	0	19				1,079	106	1,185	1,098	106	1,204	36,900	
1991	0	0	0				148	12	160	148	12	160	47,400	
1992	48	2	50				282	15	297	330	17	347	47,300	1992 SaSSI status: Depressed
1993	34	0	34				309	27	336	343	27	370	41,500	
1994	3	0	3				587	60	647	590	60	650	43,200	
1995	3	0	3				697	97	794	700	97	797	46,700	
1996	306	0	306				1,549	104	1,653	1,855	104	1,959	39,000	
1997	0	0	0				2,577	72	2,649	2,577	72	2,649	41,000	USFWS began redd survey on Mad River tributary
1998	0	0	0				1,618	118	1,736	1,618	118	1,736	42,200	
1999	22	0	22				1,116	142	1,258	1,138	142	1,280	45,100	
2000	0	0	0				1,827	165	1,992	1,827	165	1,992	0	WMZ - no fishery
2001	9	0	9				3,699	182	3,881	3,708	182	3,890	0	
2002	0	0	0				2,222	173	2,395	2,222	173	2,395	0	2002 SaSI status: Depressed
2003	4+	0+	4+				3,815	699	4,514				0	USFWS began spawner survey (redd counts)
2004														to establish index
2005														
2006														
2007														
2008														

The majority of Mid-Columbia and all Upper Columbia and Snake River system steelhead are summer-runs.

Wild Escapement: 2003 method change. Earlier data based on dam count differences and of questionable utility - Call District, A. Murdoch 9/05 (USFWS agrees)

Catch Record Card (CRC) reporting season change:
 Prior to 2000: 1 May to 30 April CRC year
 Year 2000: 1 May to 31 Mar CRC year
 2001 and on: 1 April to 31 March CRC year

Steelhead Historical Database

WDFW Fish Mgmt HQ, 600 Capitol Way N, Olympia 98501, (360) 902-2820/2817

Methow/Okanogan River Systems (Combined) Summer-run Steelhead (Inland - Columbia)

WDFW District 6, PO Box 32, Omak 98856, (509) 826-7341

1May-30Apr													Smolt	Revised: 09-28-05
Return	Sport Harvest (1May-30Apr)			Tribal Harvest (1May-30Apr)			Escapement			Total Runsize			~May Release	Comments
Year (N)	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Return N+2	
1977/78														No EG set
1978														SaSI currently combines into one stock
1979														
1980														
1981			1,677			129			4,014			5,820		Wild river entry: E. Jul - L. May Wild spawn: E. Mar - M. Jul
1982			1,548			122			7,811			9,481		
1983			5,875			223			18,848			24,946	--	Integrated recovery hatchery programs
1984			5,515	147	4	151			16,431			22,097		program specifics in individual river datasheets
1985			7,204	653	32	685			19,757			27,646		
1986	3,202	1,045	4,247	758	25	783	12,731	503	13,234	16,691	1,573	18,264		
1987	1,191	16	1,207	199	31	230	4,324	871	5,195	5,714	918	6,632		WSR in 1987
1988	1,227	0	1,227	160	20	180	3,842	573	4,415	5,229	593	5,822		
1989	1,439	0	1,439			52	4,032	576	4,608			6,099		Runsize does not include assumed 5% overwintering mortality
1990	1,133	0	1,133			130	3,479	340	3,819			5,082		
1991	2,315	19	2,334			170	7,114	601	7,715			10,219		
1992	2,042	171	2,213			246	6,726	347	7,073			9,532		1992 SaSSI status: Depressed
1993	650	22	672				2,209	191	2,400					May be Colville tribal harvest up to 1996
1994	505	3	508				1,981	202	2,183					
1995	219	7	226				829	116	945					
1996	557	27	584				3,867	260	4,127					
1997	80	0	80				3,996	111	4,107					Closed above PRD in 1997
1998	0	0	0				2,486	182	2,668					
1999	10	21	31				3,155	402	3,557					
2000	30	0	30				5,759	521	6,280					
2001	2,352	36	2,388				17,293	853	18,146					
2002	1,897	227	2,124				8,793	682	9,475					2002 SaSI status: Depressed
2003	2173+	100+	1,035	0	0	0	8,207	863	9,070	10380+	963+	11343+		Sport harvest from creel survey data
2004	1018+	17+	1035+	0	0	0	8,036	945	8,981	9054+	962+	10016+		Sport harvest from creel survey data
2005														Catch Record Card (CRC) reporting season change:
2006														Prior to 2000: 1 May to 30 April CRC year
2007														Year 2000: 1 May to 31 Mar CRC year
2008														2001 and on: 1 April to 31 March CRC year

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Steelhead Historical Database

WDFW Fish Mgmt HQ, 600 Capitol Way N, Olympia 98501, (360) 902-2820/2817

Methow System Summer-run Steelhead (Inland - Columbia)

WDFW District 6, PO Box 32, Omak 98856, (509) 826-7341

WRIA 48.0002

Okanogon County

Example: Hatchery smolt releases during the spring of 1981 will produce the majority of adults returning for the 1982-83 winter and 1983 summer harvest seasons

1May-30Apr

Smolt

Revised: 11-23-05

Return Year (N)	Sport Harvest (1May-30Apr)			Tribal Harvest (1May-30Apr)			Escapement			Total Runsize			-May Release Return N+2	Comments				
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total						
1977/78			1,773											No EG set				
1978			636											Interim Abundance Target = 2500				
1979			1,170															
1980			1,501						1,330									
1981			1,674	126	3	129			2,032				358,234	Wells Hatchery integrated recovery program				
1982			1,529	72	8	80			2,389	213		2,602	4,211	354,436	Smolt plants include Methow, Chewuch and Twisp			
1983			5,824	204	3	207			8,664	108		8,772	14,803	382,059	Esc. Requirement = 1990 (f/L. Brown model)			
1984			4,779	134	4	138			6,831	182		7,013	11,930	390,465	Expected Methow fraction of run above Wells = 77%			
1985			4,423	533	31	564			6,822	328		7,150	12,137	326,687	(based on modeled relative escapement requirements)			
1986	2,183	708	2,891	617	24	641			4,831	169		5,000	7,631	901	8,532	401,860		
1987	960	14	974	174	30	204			2,437	627		3,064	3,571	671	4,242	380,905	WSR in 1987	
1988	968	0	968	130	19	149			1,471	428		1,899	2,569	447	3,016	653,100		
1989	958	0	958	34	7	41			1,704	563		2,267	2,696	570	3,266	449,400	Runsize does not include assumed 5% overwintering mortality	
1990	916	0	916	86	16	102										544,500		
1991	1,379	15	1,394	109	18	127						1,681			3,202	487,600		
1992	1,270	134	1,404	232	19	251						3,341			4,996	395,400		
1993	467	22	489													398,200	Possibly some Colville tribal harvest up to 1996	
1994	388	0	388													324,200		
1995	166	0	166													359,200		
1996	303	3	306													255,000		
1997	75	0	75													310,500	1997 season closed above PRD	
1998	0	0	0													378,300		
1999	10	10	20													574,100		
2000	18	0	18													440,900		
2001	9	0	9													312,200		
2002	800	180	980													414,600		
2003	642	71	713	0	0	0										428,200	Sport harvest from creel survey data	
2004	515	14	529	0	0	0			4,735	746		5,481	5,280	760	6,010	391,030	Sport harvest from creel survey data	
2005																		Catch Record Card (CRC) reporting season change:
2006																		Prior to 2000: 1 May to 30 April CRC year
2007																		Year 2000: 1 May to 31 Mar CRC year
2008																		2001 and on: 1 April to 31 March CRC year

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Steelhead Historical Database

WDFW Fish Mgmt HQ, 600 Capitol Way N, Olympia 98501, (360) 902-2820/2817

Okanogan River System Summer-run Steelhead

WDFW District 6, PO Box 32, Omak 98856, (509) 826-7341

WRIA 49.0019

Okanogan County

Example: Hatchery smolt releases during the spring of 1983 will produce the majority of adults returning for the 1984-85 winter and 1985 summer harvest seasons

1May-30Apr

Smolt

Revised: 11-23-05

Return Year (N)	Sport Harvest (1May-30Apr)			Tribal Harvest (1May-30Apr)			Escapement			Total Runsize			~May Release Return N+2	Comments
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total		
1977/78			4				14	4	18					No EG set
1978			10				4	1	5					
1979			7				14	4	18					Harvest data includes Similkameen River
1980			2				6	2	8					
1981			16			0	2	1	3			19		Runsize does not include assumed 5% overwintering mortality
1982			6			42	8	12	20			68		
1983			47			16	40	3	43			106	99,639	
1984			414	13	0	13	398	6	404			831	76,080	Esc. Requirement = 597 (f/L. Brown model)
1985			1,532	120	1	121	586	4	590			2,243	55,554	Expected Okanogan fraction of run above Wells= 23% (based on modeled relative escapement requirements)
1986	1,019	337	1,356	141	1	142	303	1	304	1,463	339	1,802	50,984	
1987	231	2	233	25	1	26	107	33	140	363	36	399	183,410	
1988	259	0	259	30	1	31	536	23	559	825	24	849	173,148	Smolt plants include Omak, Salmon and Similkameen
1989	481	0	481			11	367	30	397			889	191,974	Wells Hatchery integrated recovery programs
1990	217	0	217			28							195,900	WSR in 1987
1991	936	4	940			43			460			1,443	169,400	
1992	772	37	809			95			564			1,468	119,200	
1993	183	0	183										118,500	Possibly some Colville tribal harvest up to 1996
1994	117	3	120										95,900	
1995	53	7	60										61,300	
1996	254	24	278										75,000	
1997	5	0	5			0							99,700	1997 season closed above PRD
1998	0	0	0			0							99,900	
1999	0	11	11			0							160,700	
2000	18	0	18			0							144,600	
2001	2,343	36	2,379			0							228,800	
2002	1,097	47	1,144			0							126,800	
2003	1,531	29	1,560	0	0	0							141,890	Sport harvest from creelsurvey data
2004	503	3	506	0	0	0	3,301	199	3,500	3,804	202	4,006	93,047	Sport harvest from creelsurvey data
2005														Catch Record Card (CRC) reporting season change:
2006														Prior to 2000: 1 May to 30 April CRC year
2007														Year 2000: 1 May to 31 Mar CRC year
2008														2001 and on: 1 April to 31 March CRC year

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Steelhead Historical Database

WDFW Fish Mgmt HQ, 600 Capitol Way N, Olympia 98501, (360) 902-2820/2817

Wenatchee River Summer-run Steelhead (Inland - Columbia)

WDFW District 7, 3860 Chelan Hwy, Wenatchee 98801, (509) 665-3337

WRIA 45.0030

Chelan County

Example: Hatchery smolt releases during the spring of 1987 will produce the majority of adults returning for the 1988-89 winter and 1989 summer harvest seasons

1May-30Apr

Smolt

Revised: 09-28-05

Return Year (N)	Sport Harvest (1May-30Apr)			Tribal Harvest (1May-30Apr)			Escapement			Total Runsize			~May Release Return N+2	Comments
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total		
1977/78	1,127	67	1,194						1,376			2,570		
1978	282	19	301						607			908		EG = 3,000
1979	1,018	61	1,079						1,657			2,736		Interim Abundance Target = 2500
1980	1,407	94	1,501						1,449			2,950		Wild river entry: M. Jul - L. Apr
1981	780	46	826						1,191			2,017		Wild spawn: E. Mar - M. Jul
1982	784	46	830						2,682			3,512		
1983	1,625	157	1,782						7,689			9,471	298,900	C&R in 1983
1984	777	75	852						5,763			6,615		
1985	710	68	778						7,646			8,424	249,400	
1986	814	49	863				4,461	1,464	5,925	5,275	1,513	6,788	190,100	Integrated recovery hatchery program
1987	198	9	207				2,562	2,510	5,072	2,760	2,519	5,279	354,000	WSR in 1987
1988	169	0	169				1,573	1,663	3,236	1,742	1,663	3,405	343,200	
1989	203	0	203				1,192	1,556	2,748	1,395	1,556	2,951	338,600	
1990	95	0	95				725	953	1,678	820	953	1,773	403,300	
1991	356	8	364				939	1,612	2,551	1,295	1,620	2,915	477,200	
1992	384	19	403				3,103	1,050	4,153	3,487	1,069	4,556	484,200	
1993	175	9	184				1,007	510	1,517	1,182	519	1,701	357,600	Smolt plants for Icicle Creek and Wenatchee River
1994	349	18	367				2,352	454	2,806	2,701	472	3,173	479,900	
1995	473	28	501				1,612	709	2,321	2,085	737	2,822	354,500	
1996	521	9	530				1,164	351	1,515	1,685	360	2,045	320,100	
1997	85	0	85				467	495	962	552	495	1,047	304,400	
1998	12	4	16				76	488	564	88	492	580	384,700	
1999	80	5	85				1,031	515	1,546	1,111	520	1,631	344,200	Smolt plants for Chiwawa River and Wenatchee River
2000	0	0	0				763	1,480	2,243	763	1,480	2,243	175,700	
2001	79	3	82				2,219	4,356	6,575	2,298	4,359	6,657	184,600	
2002	23	12	35				1,404	2,021	3,425	1,427	2,033	3,460	335,900	
2003	7+	4+	11+				2,673	1,224	3,897				302,060	
2004														
2005														Catch Record Card (CRC) reporting season change:
2006														Prior to 2000: 1 May to 30 April CRC year
2007														Year 2000: 1 May to 31 Mar CRC year
2008														2001 and on: 1 April to 31 March CRC year

The majority of Mid-Columbia and all Upper Columbia and Snake River system steelhead are summer-runs.

Esc. Calc.f/Murdoch 5-20-04