

# Steelhead Historical Database

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

## Canyon Creek Summer-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 05.0359

Snohomish County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Revised: 04-28-06

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			Escapement			Total Runsize			Smolt -May Release	Comments
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Return N+2	
1960													0	
1961													0	
1962			37										0	
1963			31										0	Stillaguamish River tributary
1964			53										0	No EG
1965			9										0	Wild river entry: E. Jun - L. Oct
1966			131										0	Wild spawn: Unknown
1967			83										0	
1968			69										0	
1969			16										0	Mixed origin SaSI stock
1970			22										15,058	
1971			4										5,468	Segregated harvest hatchery program
1972			31										0	
1973			26										21,574	
1974			14										11,358	
1975			46										9,900	
1976			45										12,815	
1977			15										13,616	
1978			60										12,699	
1979			38										5,104	
1980			79										5,121	
1981			80										5,217	
1982			63										0	
1983			19										0	
1984			86										2,475	
1985			57										10,877	
1986	9	7	16										10,243	
1987	16	9	25										0	
1988	98	22	120										9,711	
1989	24	2	26										0	
1990	43	4	47										7,462	
1991	15	6	21										9,240	
1992	0	0	0										9,593	1992 SaSSI status: Unknown
1993	35	16	51										7,893	
1994	37	0	37										9,696	
1995	33	0	33										5,324	
1996	30	0	30										0	
1997	18	0	18										0	
1998	68	3	71										0	
1999	16	0	16										0	
2000	10	0	10										0	
2001	66	0	66										0	
2002	6	0	6										10,045	2002 SaSI status: Unknown
2003	3	3	6										0	
2004	0	0	0										0	
2005													0	

**\*\*Sport Harvest:** CRC recorded harvest before 1974-75 has a 0.6 bias correcton (P. Hahn, WDFW)

**Other Hatchery Releases:** Steelhead releases into Canyon Creek began in 1936 (run unknown).

# Steelhead Historical Database

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

## Canyon Creek Winter-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 05.0359

Snohomish County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-02-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Smolt 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														
1978/79			119											Stillaguamish tributary
1979/80			112											
1980/81			144											Wild river entry: L. Nov - L. Apr Wild spawn: M. Mar - M. Jun
1981/82			86											
1982/83			100											
1983/84			93										6,000	Only Stillaguamish R. System smolt releases reported
1984/85			74										12,300	Segregated harvest hatchery program
1985/86			90										12,700	Dec - Mar broodstock collection
1986/87	159	78	237										10,100	
1987/88	94	5	99										9,300	
1988/89	75	17	92										11,900	
1989/90	16	4	20										10,600	
1990/91	39	13	52										9,800	
1991/92	47	21	68										10,100	
1992/93	58	16	74										10,000	
1993/94	62	10	72										10,200	
1994/95	107	42	149										10,300	
1995/96	13	27	40										5,000	
1996/97	65	16	81										15,000	
1997/98	24	4	28										9,975	
1998/99	204	60	264										10,200	
1999/00	33	9	42										9,100	
2000/01	28	0	28										10,000	
2001/02	165	0	165										0	
2002/03	16	3	19										4,700	
2003/04	80+	0+	80+										15,225	
2004/05														
2005/06														
2006/07														
2007/08														
2008/09														

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, Olympia98501, (360) 902-2820/2817

## Cedar River Winter-run Steelhead

WDFW District 12, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 08.0299

King County

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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			882											
1978/79			1,245											
1979/80			1,152											
1980/81			1,333											
1981/82			709											
1982/83			508											
1983/84			482											
1984/85			999											
1985/86			298											
1986/87	294	72	366											
1987/88	112	13	125											
1988/89	0	0	0											
1989/90	58	0	58					406						
1990/91	23	0	23					394						
1991/92	26	2	28					554						
1992/93	12	4	16					144						
1993/94	0	0	0					64						
1994/95			N/A					126						Cedar harvest not broken out
1995/96			N/A					232						
1996/97	0	0	0					616						
1997/98			N/A					576						
1998/99			N/A					216						
1999/00			N/A					48						All system escapement is now in Cedar River
2000/01			N/A					42						
2001/02	0	0	0					38						1st yr Cedar harvest broken out separately
2002/03	0	0	0					20						
2003/04	0+	0+	0+					44						
2004/05														
2005/06														
2006/07														
2007/08														
2008/09														

# Steelhead Historical Database

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

## Dakota Creek Winter-run Steelhead

WDFW District 14, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 01.0002

Whatcom County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

Revised: 06-09-05

1May-30Apr

Smolt

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Smolt 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													0	
1978/79			8											No EG
1979/80			10											
1980/81			13											
1981/82			23											
1982/83			34											
1983/84			25											
1984/85			15											
1985/86			18											
1986/87	10	4	14											
1987/88	0	6	6											
1988/89	0	15	15											
1989/90	0	4	4											
1990/91	2	2	4											
1991/92	4	2	6											
1992/93	0	0	0											1992 SaSSI status: Unknown
1993/94	0	0	0											
1994/95	0	0	0											
1995/96	0	4	4											
1996/97	4	0	4											
1997/98	0	0	0											
1998/99	0	3	3											
1999/00	0	0	0											
2000/01	0	0	0											
2001/02	0	0	0											2001 SaSI status: Unknown
2002/03	0	0	0											
2003/04	0	0	0											
2004/05														
2005/06														
2006/07														
2007/08														
2008/09														

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

## Dewatto River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 15.0420

Mason County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														
1978/79			92			0							10,006	Escapement goal =138
1979/80			74			0							10,010	
1980/81			23			0		12					10,254	Wild river entry: E. Dec - L. May
1981/82			44			0		34					12,400	Wild spawn: M. Feb - E. Jun
1982/83			38			0		22					9,996	
1983/84			36			0		86					12,000	
1984/85			73			0		102					12,000	
1985/86			102			91		32					11,000	
1986/87	8	11	19			81		3					9,900	First Ad-clip; WSR
1987/88	13	0	13			61		23					3,000	
1988/89	2	2	4			0		22			24		10,100	
1989/90	2	0	2			0							14,800	
1990/91	2	2	4			0							10,000	
1991/92	0	0	0			0							0	1992 SaSSI status: Depressed
1992/93	0	0	0			0		40			40		0	
1993/94	3	0	3			0		18			18		0	
1994/95	0	0	0			0		22			22		0	
1995/96	0	0	0			0		39			39		0	
1996/97	0	0	0			0		11			11		0	
1997/98	0	0	0			0		28			28		0	
1998/99	0	0	0			0		15			15		0	
1999/00	0	0	0			0		23			23		0	
2000/01	0	0	0			0		19			19		0	
2001/02	0	0	0			0		30			30		0	2002 SaSI status: Depressed
2002/03	0	0	0			0		18			18		0	
2003/04	0+	0+	0+					39					0	
2004/05														
2005/06														
2006/07														
2007/08														
2008/09														

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

## Dosewallips River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 16.0442

Jefferson County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														
1978/79			234			0							30,000	Escapement goal = 318 in index Esc. Index = RM 0.2-3.0; 3.6-5.4; 7.0-11.0; 11.5-12.0
1979/80			476			0							25,200	
1980/81			369			2							23,200	Wild river entry: E. Dec - L. May
1981/82			218			136							23,700	Wild spawn: M. Feb - M. Jun
1982/83			173			134							18,200	Segregated harvest hatchery program
1983/84			262			143							20,000	Eggs transferred in
1984/85			283			119							25,100	
1985/86			167			91							20,800	
1986/87	69	85	154			0							19,600	Begin ad-clip
1987/88	72	41	113			9							15,000	
1988/89	24	10	34			0							25,400	
1989/90	35	14	49			0							25,000	
1990/91	24	8	32			0							15,100	
1991/92	4	2	6			0							5,600	1992 SaSSI stock status: Depressed
1992/93	0	7	7			0							15,000	
1993/94	12	11	23			0							20,100	
1994/95	6	0	6			0		79			79		14,742	
1995/96	12	0	12			0		55			55		5,000	
1996/97	3	0	3			0		60			60		12,648	
1997/98	11	0	11			0		49	(min)		49		0	Poor visibility during survey season
1998/99	0	0	0			0		99	(min)		99		12,500	
1999/00	0	0	0			0		78			78		12,300	
2000/01	0	0	0			0		89			89		12,500	
2001/02	32	0	32			0		52			52		12,600	2002 SaSI stock status: Depressed
2002/03	0	0	0			0		96			96		12,500	
2003/04	0+	4+	4+					--					12,533	Incomplete esc. Surveys: poor vis. and high flows
2004/05													--	Hatchery releases discontinued
2005/06														Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														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

## Duckabush River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 16.0351

Jefferson County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														
1978/79			404			0							26,400	Escapement goal = 44 in index Esc. Index = RM 0.0 to 2.3
1979/80			575			0							15,100	
1980/81			288			16							15,000	Wild river entry: E. Dec - L. May
1981/82			253			75							17,800	Wild spawn: M. Feb - M. Jun
1982/83			148			59							18,100	Segregated harvest hatchery program
1983/84			230			117							20,000	Eggs transferred in
1984/85			231			47							20,000	
1985/86			201			52							20,100	
1986/87	89	57	146			12							22,300	Begin ad-clip
1987/88	69	42	111			0							5,000	
1988/89	45	30	75			0							20,000	
1989/90	31	30	61			0							20,000	
1990/91	10	10	20			0							15,000	
1991/92	26	22	48			0							0	1992 SaSSI stock status: Depressed
1992/93	10	7	17			0							15,100	WSR 1993
1993/94	13	0	13			0							17,000	
1994/95	14	0	14			0							15,142	
1995/96	20	0	20			0							5,000	
1996/97	9	0	9			0		19	(min)		19		10,080	
1997/98	9	0	9			0		6	(min)		6		0	Poor visibility during survey season
1998/99	3	0	3			0		29	(min)		29		10,032	
1999/00	0	0	0			0		36			36		10,638	
2000/01	0	0	0			0		13			13		10,200	
2001/02	28	0	28			0		16			16		10,000	2002 SaSI stock status: Depressed
2002/03	0	3	3			0		8			11		10,000	
2003/04	0+	4+	4+					29					10,032	
2004/05													--	Hatchery release program discontinued
2005/06														Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														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

## Dungeness River Winter-run Steelhead

WDFW District 16, 48 Devonshire Rd, Montesano 98563, (360) 753-2600

WRIA 18.0018

Ciallam County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 05-18-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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															
1978/79			308			67							30,300	WDFW Index Escapement Goal = 277	
1979/80			411			181							24,800	MSH based EG=757 but not agreed to jointly with tribes	
1980/81			629			67							20,000		
1981/82			518			158							20,100	Wild river entry: E. Dec - L. May	
1982/83			376			61							17,000	Wild spawn: M. Feb - E. Jun	
1983/84			448			142							18,600	Segregated harvest hatchery program	
1984/85			388			106							14,800	Local, E. Dec - Feb return broodstock	
1985/86			226			48							15,900	Dungeness hatchery	
1986/87	191	209	400			9							15,400		
1987/88	200	209	409			44		439					15,545		
1988/89	75	68	143			6		429					20,100		
1989/90	117	52	169			0		408			460		20,123		
1990/91	94	22	116			14		423					20,300		
1991/92	78	37	115			4		292					15,000	1992 SaSSI stock status Depressed	
1992/93	49	24	73			0		338			362		15,100		
1993/94	140	8	148			8		337					15,300	WSR since 1993-94	
1994/95	187	28	215	0	0	0							18,800		
1995/96	156	12	168	0	0	0		261			273		9,900		
1996/97	126	0	126	0	0	0							10,000		
1997/98	20	2	22	0	0	0							9,800		
1998/99	66	13	79	0	0	0							9,000		
1999/00	51	0	51	0	0	0	6	165			165+		11,000		
2000/01	44	0	44	0	0	0	3	183			183+		10,500	<i>Italics indicate incomplete surveys due to high water.</i>	
2001/02	188	12	200	24	2	26	12						12,200	2002 SaSI stock status Depressed	
2002/03	62	4	66	0	0	0	10						10,250		
2003/04	49+	4+	53+				22						13,715		
2004/05															
2005/06															Catch Record Card (CRC) reporting season change:
2006/07															Prior to 2000: 1 May to 30 April CRC year
2007/08															Year 2000: 1 May to 31 Mar CRC year
2008/09															2001 and on: 1 April to 31 March CRC year

Calculation of wild steelhead MSH escapement goal for Dungeness River index area: R.M. 11.0 to 0.9

(Irrigation screen access road upstream of Dungeness Hatchery to Dungeness Schoolhouse bridge) .

WDFW Steelhead Escapement Survey Index- Dungeness River RM 0.9 to RM 11.0 plus Gray Wolf River RM 0.0 to RM 2.5

Dungeness Basin difficult to survey due to flow conditions

\*Total number of adults trapped (from WDFW Final Hatchery Escapement Report) only. Therefore, total hatchery runsize components such as fish that spawn or die below the hatchery, fish that are recycled or released to the stream and become trapped again, or fish that pass the trap undetected have not been accounted for.



# Steelhead Historical Database

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

## Elwha River Summer-run Steelhead

WDFW District 16, 48 Devonshire Rd, Montesano 98563, (360) 753-2600

WRIA 18.0272

Clallam County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

**Smolt**

Revised: 05-16-05

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			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														No EG set
1978														
1979			468			23							20,000	
1980			790			40							20,000	Wild river entry: E. May - L. Oct
1981			858			22							26,100	Wild spawn: Unknown
1982			534			242							17,800	
1983			651			38							15,200	Segregated harvest hatchery programs
1984			435			1							20,300	Bogachiel Hatchery local broodstock
1985			258			85							20,700	
1986	42	65	107			24							18,900	
1987	34	93	127			7							19,800	Segregated harvest hatchery programs
1988	94	63	157			104							25,400	
1989	224	57	281			89							19,800	
1990	167	39	206			118							15,000	
1991	30	38	68			19							0	1992 SaSSI status: Depressed
1992	21	4	25			38							23,600	WSR since 1992
1993	17	3	20			1							25,100	
1994	92	0	92			11							43,200	
1995	105	25	130			8							25,100	
1996	73	29	102			20							20,200	
1997	27	3	30			2							10,000	
1998	35	0	35			60							10,000	
1999	25	4	29			4							10,100	
2000	87	7	94			0							10,000	
2001	97	0	97			2							0	SSH release program discontinued
2002	12	0	12			2							0	2002 SaSI status: Unknown
2003	6	0	6										0	
2004														
2005														
2006														
2007														
2008														

# Steelhead Historical Database

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

## Elwha River Winter-run Steelhead

WDFW District 16, 48 Devonshire Rd, Montesano 98563, (360) 753-2600

WRIA 18.0272

Clallam County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

**Smolt**

Revised: 10-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														
1978/79			940			1,045							45,200	WDFW Wild Escapement Goal = 180
1979/80			153			1,337							30,024	Wild river entry: E. Dec - L. May
1980/81			205			1,598							51,000	Wild spawn: M. Feb - M. Jun
1981/82			1,001			1,356							66,400	
1982/83			674			1,088	266						63,600	Segregated harvest hatchery program
1983/84			1,379			1,582	247						86,300	Local broodstock
1984/85			3,456			1,857	167						95,600	
1985/86			1,232			2,767	121						90,000	
1986/87	322	196	518			2,546	1						118,800	
1987/88	1,607	692	2,299			1,760							73,600	
1988/89	612	479	1,091			1,078	136						88,200	
1989/90	508	166	674			1,605	185						118,600	
1990/91	193	97	290			823	249						46,100	
1991/92	146	146	292			423	159						91,000	1992 SaSSI stock status Depressed
1992/93	179	231	410			242	78						83,500	
1993/94	624	153	777			809	71						229,100	
1994/95	494	413	907			1,205	1,106						92,400	
1995/96	73	211	284			989	634						94,000	
1996/97	274	201	475			543	169						170,100	WSR 1996/97
1997/98	84	0	84			68	187						59,600	
1998/99	132	0	132			595	598						61,300	
1999/00	375	21	396			297	250						182,200	
2000/01	802	8	810			194	195						225,200	
2001/02	344	6	350			228	533						120,000	2002 SaSI stock status Unknown
2002/03	171	0	171			135	324						151,700	
2003/04	167+	0+	167+										99,600	
2004/05														
2005/06														
2006/07														
2007/08														
2008/09														

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

No steelhead spawner surveys conducted by WDFW in the Elwha River

# Steelhead Historical Database

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

## Green (Duwamish) River Summer-run Steelhead

WDFW District 12, 12410 138th St Ct E, Puyallup 98374, (253) 840-4563

WRIA 09.0001

King County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-08-05

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			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														No EG - 3,000 hatchery production goal
1979														Non-native, Composite stock
1980														
1981			3,398						63					Wild river entry: Unknown
1982			1,934						23					Wild spawn: M. Jan - M. Mar
1983			930						1					
1984			2,007	1	0	1								
1985			2,016	51	0	51								
1986	756	496	1,252	4	0	4								
1987	547	173	720	3	0	3								
1988	1,592	104	1,696	83	0	83							74,800	Segregated harvest hatchery program
1989	536	90	626	4	1	5							5,200	Local broodstock collection Sep - Nov
1990	668	76	744	65	0	65							71,300	
1991	319	77	396	0	0	0							23,700	
1992	861	74	935	16	0	16							79,600	1992 SaSSI status: Healthy
1993	533	27	560	9	0	9							83,700	
1994	899	80	1,118	140	0	140							81,300	
1995	608	49	657	42	0	42							83,600	
1996	1,207	69	1,276	45	0	45							100,100	
1997	573	81	654	84	0	84							36,000	
1998	408	53	461	104	32	136							86,300	
1999	115	17	132	89	0	89							67,300	
2000	240	12	252	62	0	62							65,300	
2001	576	35	611	157	0	157							39,600	
2002	317	49	366	166	14	180							101,100	2002 SaSI status: Depressed
2003	199	17	216	60									59,833	
2004														
2005														
2006														
2007														
2008														

# Steelhead Historical Database

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

## Green (Duwamish) River Winter-run Steelhead

WDFW District 12, 12410 138th St Ct E, Puyallup 98374, (253) 840-4563

WRIA 09.0001

King County

1May-30Apr

**Smolt**

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Broodstock to Keta	May Release Return N+2
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total		
1960/61														70,395
1961/62			9,420											69,650
1962/63			8,801											5,440
1963/64			10,491											99,851
1964/65			7,911											94,780
1965/66			11,790											72,702
1966/67			9,172											79,839
1967/68			11,405											86,377
1968/69			9,715											85,442
1969/70			4,862											177,672
1970/71			11,028											111,521
1971/72			8,481											113,223
1972/73			5,156											127,025
1973/74			6,339			3,562								153,419
1974/75			4,326			7,361								75,058
1975/76			1,489			6,190								90,342
1976/77	1,650	261	1,911			3,493								181,008
1977/78	5,411	789	6,200	3,280	1,210	4,490	847	1,077	1,924	9,538	3,076	12,614		200,956
1978/79	5,322	307	5,629	4,039	662	4,701	341	1,385	1,726	9,702	2,354	12,056		156,325
1979/80	6,796	492	7,288	4,225	409	4,634	259	1,586	1,845	11,280	2,487	13,767		232,464
1980/81	4,916	597	5,513	3,764	699	4,463	502	1,083	1,585	9,182	2,379	11,561		161,623
1981/82	1,805	489	2,294	3,257	399	3,656	365	2,121	2,486	5,427	3,009	8,436		187,597
1982/83	2,273	658	2,931	2,473	324	2,797	531	1,556	2,087	5,277	2,538	7,815	30	154,664
1983/84	3,056	66	3,122	3,712	315	4,027	765	2,208	2,973	7,533	2,589	10,122	20	161,010
1984/85	6,914	306	7,220	5,631	448	6,079	1,674	2,328	4,002	14,219	3,082	17,301	42	205,166
1985/86	4,839	568	5,407	6,349	118	6,467	497	2,814	3,311	11,685	3,500	15,185	36	223,546
1986/87	4,146	652	4,798	6,036	500	6,536	158	1,719	1,877	10,340	2,871	13,211	34	192,121
1987/88	1,745	556	2,301	4,826	340	5,166	178	2,425	2,603	6,749	3,321	10,070	47	140,035
1988/89	1,411	882	2,293	1,183	188	1,371	199	1,936	2,135	2,793	3,006	5,799	20	187,580
1989/90	1,580	1,094	2,674	1,099	207	1,306	222	1,521	1,743	2,901	2,822	5,723	37	230,274
1990/91	923	155	1,078	849	251	1,100	130	963	1,093	1,902	1,369	3,271	19	231,426
1991/92	1,190	113	1,303	1,642	186	1,828	168	1,983	2,151	3,000	2,282	5,282	41	212,392
1992/93	1,057	127	1,184	993	131	1,124	149	1,757	1,906	2,199	2,015	4,214	35	137,193
1993/94	783	79	862	504	143	647	110	1,872	1,982	1,397	2,094	3,491	51	197,354
1994/95	1,631	110	1,741	598	30	628	230	2,346	2,576	2,459	2,486	4,945	46	231,213
1995/96	752	70	822	948	94	1,042	104	2,691	2,795	1,804	2,855	4,659	58	227,686
1996/97	800	127	927	299	176	475	113	1,933	2,046	1,212	2,236	3,448	39	210,889
1997/98	584	48	632	41	6	47	82	2,403	2,485	707	2,457	3,164	41	209,791
1998/99	608	184	792	826	167	993	88	2,614	2,702	1,522	2,965	4,487	40	158,288
1999/00	324	222	546	235	288	523	46	1,754	1,800	605	2,264	2,869	49	149,395
2000/01	390	122	512	490	270	760	54	1,440	1,494	934	1,832	2,766	38	290,292
2001/02	944	122	1,066	748	137	885	132	1,109	1,241	1,824	1,368	3,192	44	237,718
2002/03	237	19	256	179	48	227	33	1,670	1,703	449	1,737	2,186	58	102,183
2003/04	290	18	308	184	10	194	41	2,399	2,440	515	2,427	2,942	40	189,432
2004/05	226	11	237		69			1,308			1,398		20	102,295
2005/06														271,418

EG=2,000

Wild river entry: E. Dec - M. May  
Wild spawn: E. Mar - M. Jun

Data includes Soos Creek harvest

Both segregated and Integrated hatchery programs

Fly fishing designated area upstream

Begin WSR Feb 28th  
Keta broodstock included in escapement, not harvest

WSR  
WSR

1-1-87 start gear restrictions

1992 SaSSI stock status Healthy

Begin WSR Feb 1st

2002 SaSI stock status Depressed

Begin WSR Dec 1st

EG agreed to be 2,020

**Sport Harvest:** Began 12-month CRC recording in 1962; CRC recorded harvest before 1975/76 had a 0.6 bias correction factor (P. Hahn, WDFW)

**Hatchery Escapement:** 5 years (1983/84 through 1987/88) were estimated by aerial counts of pre-March 15 redds. All years after 1987-88 are calculated by applying the 1983/84 -1987/88 average sport hatchery exploitation rate (0.8765)

**Other Hatchery Releases:** Steelhead releases into the Green/D System began in 1933, data quality very erratic.

# Steelhead Historical Database

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

## Hamma Hamma River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 16.0251

Mason County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 04-24-06

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Smolt 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														
1978/79			32										0	Escapement goal = 119 in index
1979/80			78			0							0	Esc. Index area = RM 0.3 to 2.2, plus John Cr.
1980/81			43			0							0	
1981/82			90			20							0	Wild river entry: E. Dec - L. May
1982/83			38			0							0	Wild spawn: M. Mar - M. Jun (Peak L. Apr.)
1983/84			150			0							0	
1984/85			150			0							0	
1985/86			38			0							0	
1986/87	3	44	47			0							0	
1987/88	13	11	24			0							0	
1988/89	2	8	10			0							0	
1989/90	2	4	6			0							0	
1990/91	0	0	0			0							0	
1991/92	4	0	4			0							0	1992 SaSSI stock status: Unknown
1992/93	2	0	2			0							0	
1993/94	0	0	0			0							0	
1994/95	0	0	0			0		13	(index)		13		0	Begin WSR in 1994
1995/96	0	0	0			0		8	(index)		8		0	
1996/97	0	0	0			0		35	(index)		35		0	
1997/98	0	0	0			0		18	(index)		18		0	Begin supplementation and habitat restoration plan
1998/99	0	0	0			0		21	(index)		21		0	
1999/00	0	0	0			0		19			19		0	Integrated recovery hatchery program
2000/01	0	4	4			0		3			7		1,524	2002 SaSI stock status: Depressed
2001/02	0	0	0			0		260			260		1,336	Esc.incl. 197 (81F+116M) captive-reared adults release
2002/03	0	0	0			0		133			133		481	Esc.incl. 4 (2 F + 2 M) captive-reared adults release
2003/04	0	0	0			0		214			214		877	Esc.incl. 76 (35F + 41M) captive-reared adults release
2004/05	0+	0+	0+			0		123					0	
2005/06													941	Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														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

### Lake Washington System Winter-run Steelhead

WDFW District 12, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 08.0028

King County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

**Smolt**

Revised: 07-14-06

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Wild Predation	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		
1960/61													15,903	EG = 1,600	
1961/62													17,600	Includes Cedar R., Issaquah Cr., and Sammamish R.	
1962/63													20,090	Total system smolt plants	
1963/64													20,250		
1964/65													19,600	Also had 7,200 SSH smolt release into Sammamish R.	
1965/66													21,600	Hatchery (109,000 fry) releases began in 1933	
1966/67													44,016	Wild Lk Wash. entry: M.Dec-M.May (peak L.Jan-E.Feb)	
1967/68													20,700	Wild (Cedar R.) spawn: E. Mar. - E. Jun	
1968/69													15,116	Spawn peak: M. Apr-M. May	
1969/70													77,008	Most wild spawning between RM 1.6-21.8	
1970/71													45,124		
1971/72													48,062		
1972/73													35,271		
1973/74													52,006		
1974/75			1,443			573							91,920		
1975/76			754			2,313							59,800		
1976/77	677	359	1,026	1,047	616	1,663							66,210		
1977/78	409	334	743	689	268	957							72,393		
1978/79			1,994			1,010							33,638		
1979/80			2,231			718							39,155		
1980/81		682	2,150		401	589		1,668			2,751		52,570		
1981/82			1,473			545							60,173		
1982/83		698	826		411	1,107		2,575			3,684		33,884		
1983/84	576	508	1,084	650	299	949		1,250			2,057		45,008		
1984/85	824	312	1,136	823	241	1,064	(see note)	536	474	1,010	2,183	1,027	3,210	62,898	Loss due to sea lion predation est. at 1,500 wild SH
1985/86	759	0	759	813	116	929	329	90	1,816	1,906	1,662	2,261	3,594	66,376	
1986/87	630	145	775	1,071	398	1,469	1,254		1,172			2,969		55,283	
1987/88	232	0	232	299	238	537	1,178		858			2,274		75,200	
1988/89	0	0	0	0	0	0	1,287		686			1,973		66,498	
1989/90	129	0	129	41	22	63	1,065		714			1,801		48,928	
1990/91	54	2	56		0	0	899		621			1,522		48,625	
1991/92	75	8	83		0	0	NM		599					37,940	SaSSI stock status Depressed
1992/93	56	13	69		0	0	NM		184					0	NM = Predation Not Monitored
1993/94	0	3	3		0	0	6		70			79		29,771	
1994/95	6	0	6		0	0	11		126			137		0	
1995/96	16	0	16		0	0	0		234			234		0	
1996/97	6	2	8		0	0	0		620			646		0	24 broodstock (not included with escapement)
1997/98	0	0	0		0	0	0		584			606	yearling	0	22 broodstock (not included with escapement)
1998/99	9	0	9		0	0	0		220			229		0	9 broodstock (not included with escapement)
1999/00	2	0	2		0	0	0		48			48		12,350	1999-00+: all wild esc.is in the Cedar R.only (S. Foley)
2000/01	12	0	12		0	0	0		42			42		14,330	
2001/02	0	0	0		0	0	NM		38			38		0	SaSI stock status Critical
2002/03	0	0	0		0	0	NM		20			20		0	Predation monitoring stopped in 01-02, since then
2003/04	6	0	6		0	0	NM		44			44		0	only occasional sea lion sightings in vicinity reported
2004/05	0+	0+	0+		0	0			22						
2005/06															
2006/07															

**Other Hatchery Releases:** Steelhead releases into the Lake Wash. System began in 1933 at Issaquah Cr. and Cedar R. sites. Data quality very erratic.

# Steelhead Historical Database

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

## McDonald Creek Winter-run Steelhead

WRIA 18.0160

Clallam County

WDFW District 16, 48 Devonshire Rd, Montesano 98563, (360) 753-2600

1May-30Apr

Smolt

Revised: 11-17-05

Return Year	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														
1978/79	0	0	0											
1979/80			3					286						
1980/81			10					325						
1981/82			3					288						
1982/83	0	0	0					173			173			
1983/84			9					130						
1984/85	0	0	0					136			136			
1985/86			2					64						
1986/87	0	0	0											
1987/88	0	0	0										--	No smolt plants in McDonald Creek
1988/89	2	0	2											Annual WSH smolt plants in Morse Creek
1989/90	0	0	0											
1990/91	0	0	0											
1991/92	0	0	0											1992 SaSSI stock status Depressed
1992/93	0	0	0											
1993/94	3	0	3											
1994/95	0	0	0											
1995/96	0	0	0											
1996/97	0	0	0											
1997/98	0	0	0					308			308			
1998/99	0	0	0					217			217			
1999/00	0	0	0					251			251			
2000/01	0	0	0					143			143			
2001/02	0	0	0					125			125			2002 SaSI stock status Depressed
2002/03	0	0	0					63			63			
2003/04	0	0	0					29			29			Morse Creek WSH releases to be discontinued
2004/05	0+	0+	0+					89						
2005/06														
2006/07														
2007/08														
2008/09														

McDonald Creek-Closed to steelhead fishing

# Steelhead Historical Database

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

## Morse Creek Winter-run Steelhead

WDFW District 16, 48 Devonshire Rd, Montesano 98563, (360) 753-2600

WRIA 18.0185

Cllallam County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 11-17-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														Escapement goal = 120
1978/79			150			1							15,000	<b>Morse Creek Only</b>
1979/80			194			1							12,900	Wild river entry: E. Dec - L. May
1980/81			357			166							12,300	Wild spawn: M. Feb - E. Jun
1981/82			290			116							18,000	
1982/83			310			258							15,400	Segregated harvest hatchery program
1983/84			546			216	166	139	305			1,067	16,400	M. Dec - Jan Bogachiel Hatchery stock
1984/85			285			351	149	145	294			930	15,500	
1985/86			235			281	54	105	159			675	15,900	
1986/87	168	55	223			200		118					18,800	
1987/88	161	27	188			283	143	138	281			752	15,200	
1988/89	176	39	215			58	60	60	120			393	15,000	
1989/90	163	26	189			45	75	78	153			387	15,514	
1990/91	78	12	90	0	0	0	19	91	110	97	103	200	10,100	
1991/92	113	22	135	0	0	0		100			122		14,700	1992 SaSSI stock status Depressed
1992/93	78	18	96			12							15,200	
1993/94	182	13	195	0	0	0							15,400	
1994/95	100	17	117	2	0	2		128			145		15,338	WSR since 1994/95
1995/96	296	4	300	11	0	11		89			93		15,029	
1996/97	147	3	150	0	0	0		183			186		5,100	
1997/98	68	5	73	0	0	0		102			107		5,000	
1998/99	53	0	53	0	0	0		81			81		5,000	
1999/00	105	5	110	0	0	0		162			167		5,000	
2000/01	49	0	49	0	0	0		99			99		5,000	
2001/02	134	11	145	0	0	0		71			82		5,000	2002 SaSI stock status Depressed
2002/03	23	0	23	0	0	0		84			84		5,000	
2003/04	4	0	4					121			121		5,000	WSH hatchery release program to be discontinued
2004/05	158+	0+	158+											
2005/06														Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														2001 and on: 1 April to 31 March CRC year

WDFW Index Escapement Goal Calculations from RM 0.0 to RM 4.7

WDFW Steelhead Escapement Survey Index from RM 0.0 to RM 4.7



# Steelhead Historical Database

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

## Nisqually River Winter-run Steelhead

WDFW District 11, 600 Capitol Way N, Olympia 98501, (360) 902-2721

WRIA 11.0008

Pierce and Thurston Counties

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: 10-27-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			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														
1978/79			1,414			2,795							10,000	EG = 2,000
1979/80	2	2,762	2,764		1,317			1,972			6,051		10,000	Wild river entry: L. Jan - L. May
1980/81		1,414			2,114			1,782			5,310		30,200	Wild spawn: E. Mar - M. Jun
1981/82	89	1,260	1,349	203	1,803	2,006	385	3,807	4,192	677	6,870	7,547	10,000	
1982/83	60	1,314	1,374	310	2,058	2,368	362	2,705	3,067	732	6,077	6,809	35,400	Escapement estimates for main stem only
1983/84	12	1,222	1,234	275	1,735	2,010	178	1,304	1,482	465	4,261	4,726	0	
1984/85	18	1,898	1,916	289	2,459	2,748	168	1,599	1,767	475	5,956	6,431	0	
1985/86	103	1,859	1,962	146	1,482	1,628	145	1,620	1,765	394	4,961	5,355	0	
1986/87	211	1,814	2,025	74	1,879	1,953	60	2,022	2,082	345	5,715	6,060	0	
1987/88	156	2,190	2,346	107	2,565	2,672	73	1,916	1,989	336	6,671	7,007	0	
1988/89	71	1,202	1,273	38	1,268	1,306	90	3,817	3,907	199	6,287	6,486	0	Summer smolt releases only - erratic
1989/90	68	776	844	28	797	825	40	1,853	1,893	136	3,426	3,562	0	
1990/91	28	240	268	9	639	648	8	642	650	45	1,521	1,566	0	
1991/92	2	13	15		234			2,618			2,865		0	1992 SaSSI stock status Healthy
1992/93	33	610	643		250			993			1,853		0	
1993/94	6	9	15		51			804			864		0	
1994/95	0	6	6		17			987			1,010		0	last SSH smolts released
1995/96	0	6	6		82								0	Poor survey conditions
1996/97	5	3	8		81			882			966		0	
1997/98	8	6	14		81			700			787		0	
1998/99	3	3	6		31			530			564		0	
1999/00	0	0	0		12			411			423		0	
2000/01	11	0	11		18			240			258		0	
2001/02	25	11	36		61			353			425		0	Tribal harvest assumed all wild
2002/03	18	0	18		12			350			362		0	2002 SaSI stock status Depressed
2003/04	0	0	0	1	8	9		750			758		0	Estimate made using new methodology
2004/05	18+	0+	18+					190						
2005/06														Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														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

## Nooksack River System Winter-run Steelhead

WDFW District 14, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 01.0120

Whatcom County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 05-19-06

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Smolt -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			
1960/61													0		
1961/62			1,255										19,648	System EG = 3,700	
1962/63			1,269										0	No E. G. for any of the 3 SaSI stocks in this system	
1963/64			1,349										0	N.F. wild river entry: E. Dec - E. May	
1964/65			1,486										1,000	N.F. wild spawn: E. Mar - E. Jun	
1965/66			1,485										0		
1966/67			1,538										0	Segregated harvest hatchery program	
1967/68			856										0	L. Dec - Mar. broodstock collection	
1968/69			1,196										2,030		
1969/70			664			490							3,600	Excludes Squalicum Cr. and Whatcom Cr.	
1970/71			962										0		
1971/72			956			655							95,000		
1972/73			1,016										36,338		
1973/74			769			1,653							43,450		
1974/75			787			4,352							34,219		
1975/76			269			3,551							0	First SSH smolt release (20,028 into South Fork)	
1976/77			355			2,930							20,019		
1977/78			584			2,251							30,178		
1978/79			637			1,590							34,772	40,000 SSH smolt release also	
1979/80	270	249	519	1,522	623	2,145							57,759		
1980/81	274	368	642	523	374	897							55,803	3,078 SSH smolt release also	
1981/82	251	279	530	545	199	744							77,735	10,818 SSH smolt release also	
1982/83	204	210	414	561	217	778							65,884		
1983/84	741	58	799	641	145	786							101,425		
1984/85	2,100	0	2,100	1,102	115	1,217							129,727		
1985/86	757	0	757	1,260	131	1,391							110,081		
1986/87	603	28	631	856	89	945							123,831		
1987/88	489	14	503	931	475	1,406							130,971		
1988/89	496	0	496			1,142							117,045		
1989/90	111	0	111			206							109,411		
1990/91	75	0	75			152							100,045		
1991/92	307	0	307			16							50,010	SaSSI status: all 3 stocks Unknown	
1992/93	142	5	147			5							47,446		
1993/94	51	22	73			1							81,788	Catch Record Card (CRC) reporting season change:	
1994/95	100	0	100			38							70,479	Prior to 2000: 1 May to 30 April CRC year	
1995/96	140	4	144			68							75,977	Year 2000: 1 May to 31 Mar CRC year	
1996/97	99	19	118			31							89,325	2001 and on: 1 April to 31 March CRC year	
1997/98	47	10	57			6							43,302		
1998/99	83	12	95			5							63,850		
1999/00	60	5	65			37							33,900	Kendall Creek Hatchery begins SH release program	
2000/01	305	96	401			7	18						35,000		
2001/02	302	10	312			22	193						30,500	2002 SaSI status: all 3 stocks Unknown	
2002/03	238	5	243			6	7						34,800		
2003/04	150	24	174			0	73	1,574	1,647	223	1,598	1,821	160,000	Begin new total wild escapement data set	
2004/05	425+	6+	431+			9	376	715					175,500		
2005/06													63,400		
2006/07															

**Other Hatchery releases:** Steelhead releases into the Nooksack River System began in 1933. Data quality very erratic.

\*Total number of adults trapped (from WDFW Final Hatchery Escapement Report) only. Therefore, total hatchery runsize components such as fish that spawn or die below the hatchery, fish that are recycled or released to the stream and become trapped again, or fish that pass the trap undetected have not been accounted for.

\*\*Sport Harvest: CRC recorded harvest before 1974/75 has a 0.6 bias correction (P. Hahn, WDFW).

# Steelhead Historical Database

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

## Puyallup River System Winter-run Steelhead

WDFW District 11, 600 Capitol Way N, Olympia 98501, (360) 902-2710

WRIA 10.0021

Pierce County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 09-22-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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													95,814	EG = 2,000
1978/79	1,895	555	2,450	224	32	256	177			2,296			86,645	Mainstem, White (Stuck), Carbon harvests (Voight, White and Clarks smolt plants)
1979/80	1,701	640	2,341	131	62	193	153			1,985			81,265	
1980/81	770	326	1,096	837	195	1,032	94			1,701			91,645	
1981/82	1,331	607	1,938	1,282	395	1,677	218			2,831			90,546	Wild river entry: E. Dec - M. May
1982/83	1,082	613	1,695	977	479	1,456	231	2,241	2,472	2,290	3,333	5,623	96,289	Wild spawn: E. Mar - M. Jun
1983/84	1,660	162	1,822	1,406	336	1,742	348	2,237	2,585	3,414	2,735	6,149	146,340	
1984/85	8,291	245	8,536	3,596	177	3,773	1,590	2,471	4,061	13,477	2,893	16,370	149,840	Segregated harvest hatchery program
1985/86	2,159	297	2,456	5,080	819	5,899	325	3,767	4,092	7,564	4,883	12,447	135,553	L. Nov - M. Feb local hatchery broodstock
1986/87	1,827	242	2,069	2,096	253	2,349	60	2,329	2,389	3,983	2,824	6,807	186,078	
1987/88	1,088	151	1,239	1,618	299	1,917	72	3,396	3,468	2,778	3,846	6,624	132,525	Wild escapement estimates based on both Buckley
1988/89	528	290	818	676	249	925	92	3,354	3,446	1,296	3,893	5,189	165,233	Trap counts and system redd surveys and expansion
1989/90	804	193	997	862	76	938	139	1,950	2,089	1,805	2,219	4,024	138,615	
1990/91	587	147	734	332	81	413	77	1,898	1,975	996	2,126	3,122	169,421	
1991/92	720	110	830	261	47	308	82	2,313	2,395	1,063	2,470	3,533	196,032	1992 SaSSI stock status Healthy (all 3 stocks)
1992/93	693	125	818	824	165	989	127	1,596	1,723	1,644	1,886	3,530	123,638	
1993/94	310	112	422	190	92	282	42	1,631	1,673	542	1,835	2,377	336,623	
1994/95	560	41	601	431	142	573	83	2,146	2,229	1,074	2,329	3,403	179,292	
1995/96	456	33	489	335	14	349	66	1,368	1,434	857	1,415	2,272	221,513	
1996/97	316	34	350	45	4	49	199	1,388	1,587	560	1,426	1,986	252,845	
1997/98	154	0	154	10	3	13	102	1,203	1,305	266	1,206	1,472	298,757	
1998/99	404	25	429	85	29	114	203	1,702	1,905	692	1,756	2,448	290,700	
1999/00	339	11	350	30	21	51	221	1,249	1,470	590	1,281	1,871	240,326	
2000/01	107	11	118	84	30	114	81	1,047	1,128	272	1,088	1,360	223,580	
2001/02	268	16	284	226	52	278	173	940	1,113	667	1,008	1,675	207,300	2002 SaSI stock status Depressed (all 3 stocks)
2002/03	64	15	79	13	20	33	28	596	626	105	631	738	211,300	
2003/04	135+	1+	136+	59	20	79	31	839	870	219+	860+	1079+	200,000	White River releases discontinued
2004/05								400						
2005/06														
2006/07														
2007/08														
2008/09														

### Hatchery Escapement

1) Source 1996/97 is Adult\_Tickets database for trapped less released for Puyallup and Voight's Creek.

2) Estimate of hatchery spawners in natural spawning areas for 1996/97 through present:

- 1996/97 16 redds\*0.81\*2=26 fish
- 1997/98 21 redds\*0.81\*2=34 fish
- 1998/99 14 redds x 0.81\*2 =23 fish
- 1999/00 25 redds\*0.81\*2=41 fish
- 2000/01 20 redds\*0.81\*2=32 fish
- 2001/02 18 redds\*0.81\*2=29 fish
- 2002/03 1 redd\*0.81\*2= 1.62 fish

# Steelhead Historical Database

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

## Quilcene River System Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 17.0012

Jefferson County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														No escapement goal established
1978/79			40										15,000	Harvest data for Big Quilcene R. and Little Quilcene R.
1979/80			95			0							15,300	
1980/81			118			0							9,585	Wild river entry: E. Dec - L. May
1981/82			55			0							15,043	Wild spawn: M. Feb - M. Jun
1982/83			22			0							13,060	Smolt releases into Big Quilcene
1983/84			53			0							11,900	
1984/85			53			16							10,300	
1985/86			22			7							10,200	
1986/87	19	13	32			8							10,200	
1987/88	21	2	23			0							5,300	
1988/89	6	4	10			0							5,100	
1989/90	18	14	32			0							10,160	
1990/91	2	2	4			0							10,100	
1991/92	0	0	0			0							0	1992 SaSSI stock status: Unknown
1992/93	2	2	4			0							0	
1993/94	0	0	0			0							0	
1994/95	9	9	18			0							0	
1995/96	4	0	4			0							0	
1996/97	0	0	0			0							0	
1997/98	3	0	3			0							0	
1998/99	9	9	18			0		29			38		0	Escapement data for Little Quilcene
1999/00	0	0	0			0		15			15		0	
2000/01	43	4	47			0		8			12		0	
2001/02	21	33	54			0		30			63		0	2002 SaSI stockstatus: Unknown
2002/03	14	0	14			0		16			16		0	
2003/04	7+	0+	7+					36					0	
2004/05														
2005/06														Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														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

## Samish River Winter-run Steelhead

WDFW District 14, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 03.0005

Skagit County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised:05-19-06

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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														
1978/79	1,043	65	1,108	2	0	2	1,339	224	1,563	2,384	289	2,673	80,200	EG=700
1979/80	1,225	46	1,271	148	13	161	766	80	846	2,139	139	2,278	80,007	Wild river entry: L. Oct - L. Mar
1980/81	168	106	274	231	158	389	388	142	530	787	406	1,193	90,600	Wild spawn: M. Feb - E. Jun
1981/82			754			644							41,100	Segregated harvest hatchery program
1982/83			307			75							40,100	
1983/84			385			0							46,951	
1984/85			1,411			87		1,052					45,138	
1985/86			750			422							30,100	
1986/87	415	168	583			57		836			1,004		27,800	
1987/88	226	78	304			167		606			684		29,900	
1988/89	188	95	283			3		244			339		40,900	
1989/90	89	43	132			0		106			149		39,000	
1990/91	48	15	63			0							50,100	
1991/92	427	38	465			0							13,900	1992 SaSSI stock status Depressed
1992/93	149	21	170			0							27,000	
1993/94	55	11	66			0		941			952		19,600	
1994/95	65	0	65			0		918			918		6,600	
1995/96	47	12	59			0		797			809		39,357	
1996/97	68	14	82			0							31,213	
1997/98	13	0	13			0		586			586		22,924	
1998/99	55	0	55			0		617			617		47,906	
1999/00	28	60	88			0		698			758		12,117	
2000/01	36	8	44			0		881			889		25,000	
2001/02	54	31	85			0		859			890		30,000	2002 SaSI stock status Healthy
2002/03	22	5	27			0		915			920		30,000	
2003/04	14	7	21			0		930			937		0	
2004/05	4+	0+	4+			0		592			592		35,092	
2005/06													35,112	Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														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

## Skagit System Summer-run Steelhead

WDFW District 14, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 03.0176

Skagit County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-22-06

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			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		
1961													0	No individual or collective EG
1962													8,870	Includes Finney Cr., Cascade and Sauk rivers
1963													0	
1964													0	Sauk wild river entry: E. Jul - M. Oct
1965													0	Wild spawn: M. Apr - E Jun
1966													0	
1967													0	Cascade wild river entry: E. Jun - L. Oct
1968													0	Wild spawn: M. Jan - E. May
1969													0	
1970													0	Finney Cr. river entry and spawn timing unknown
1971													153,308	
1972													141,503	
1973													154,167	
1974													117,173	
1975			535										133,358	
1976			329										15,369	
1977			389										44,205	
1978			393										45,887	
1979			288										0	
1980			565										69,192	
1981			432			445							109,866	
1982			451			519							0	
1983			299			315							30,958	
1984			427			99							34,897	
1985			349			36							20,126	
1986	257	167	424			284							35,119	
1987	284	159	443			380							0	
1988	346	224	570			309							30,896	
1989	158	112	270			298							0	
1990	158	97	255			116							24,100	
1991	123	137	260			59							18,655	
1992	108	25	133			71							19,800	1992 SaSSI stock status is Unknown for all three
1993	102	35	137			50							32,249	
1994	170	21	191			52							27,000	
1995	105	13	118			166							25,168	
1996	239	33	272			26							25,043	
1997	249	22	271			6							0	
1998	110	10	120			48							21,045	
1999	90	12	102			17							0	
2000	155	14	169			14							0	
2001	150	6	156			10							0	
2002	139	16	155			20							0	2002 SaSI stock status is Unknown for all three
2003	75	11	86			6							0	
2004	53	2	55			8							0	
2005														

# Steelhead Historical Database

WDFW Fish Mgmt HQ, 600 Capitol Way N, Olympia 98501, (360) 902-2820/2817  
**WRIA 03.0176 Skagit County**

## Skagit River System Winter-run Steelhead

WDFW District 14, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

**Smolt**

Revised: 06-22-06

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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		
1960/61													95,933	
1961/62			11,782										79,134	System EG = 6,000 + 16%
1962/63			13,638										148,372	Samish River excluded from Skagit River System data
1963/64			22,216										101,002	
1964/65			13,324										560,831	Hatchery returns Dec and Jan; spawn mid-Jan
1965/66			16,699										418,162	Wild peak returns Mar and Apr for system
1966/67			16,830										257,440	Range: L. Oct - L. May for components
1967/68			20,392										215,543	Wild peak spawn Apr and May for system
1968/69			13,708										278,327	Range: E. Mar - M. Jul for components
1196/70			7,581										366,363	
1970/71			11,065										319,969	Segregated hatchery programs
1971/72			14,818										347,812	
1972/73			8,992										155,202	
1973/74			6,717			3,668							291,797	
1974/75			5,743			15,968							251,803	
1975/76			1,647			6,029							284,851	
1976/77			1,241			2,415							186,228	
1977/78	3,033	371	3,404	3,465	787	4,252	1,537	5,757	7,294	8,035	6,915	14,950	358,839	
1978/79	4,638	240	4,878	3,986	901	4,887	961	2,982	3,943	9,585	4,123	13,708	306,117	
1979/80	2,679	799	3,478	4,046	154	4,200	721	5,288	6,009	7,446	6,241	13,687	326,600	1 fish daily limit (select areas) in Mar.
1980/81	1,231	1,105	2,336	2,364	623	2,987	1,127	4,308	5,435	4,722	6,036	10,758	329,964	1 fish daily limit (select areas) in Mar.
1981/82	1,635	1,023	2,658	2,313	384	2,697	735	9,609	10,344	4,683	11,016	15,699	179,440	1 fish daily limit Mar, then C&R Apr. in select areas.
1982/83	632	666	1,298	1,700	281	1,981	434	7,732	8,166	2,766	8,679	11,445	236,735	1 fish daily limit (select areas) in Mar. Also April C&R
1983/84	1,698	296	1,994	3,228	79	3,307	917	8,963	9,880	5,843	9,338	15,181	237,248	WSR mid-Feb, 1 fish daily limit Mar, then C&R Apr.
1984/85	4,793	1,435	6,228	4,690	283	4,973	3,702	8,603	12,305	13,185	10,321	23,506	258,257	WSR mid-Feb, 1 fish daily limit Mar, then C&R Apr.
1985/86	2,525	1,916	4,441	4,665	233	4,898	1,339	11,098	12,437	8,529	13,247	21,776	336,417	
1986/87	1,689	1,852	3,541	3,530	536	4,066	964	8,305	9,269	6,183	10,693	16,876	298,357	Multiple brood years erratically from 1982 to 1992
1987/88	2,206	1,922	4,128	4,161	746	4,907	1,195	13,194	14,389	7,562	15,862	23,424	136,096	
1988/89	1,230	1,892	3,122	2,964	676	3,640	779	11,854	12,633	4,973	14,422	19,395	244,552	
1989/90	1,283	1,351	2,634	3,227	272	3,499	840	10,017	10,857	5,350	11,640	16,990	334,284	
1990/91	141	637	778	1,681	465	2,146	339	5,818	6,157	2,161	6,920	9,081	214,717	WSR Jan and Feb by E-Reg
1991/92	976	51	1,027	2,309	84	2,393	611	7,514	8,125	3,834	7,651	11,485	288,968	1992 SaSSI status "Healthy"
1992/93	1,721	1,318	3,039	749	46	795	460	6,900	7,360	2,930	8,264	11,194	209,944	
1993/94	600	1,052	1,652	173	74	247	143	6,412	6,555	916	7,538	8,454	409,017	
1994/95	987	561	1,548	944	271	1,215	496	7,656	8,152	2,427	8,488	10,915	447,336	
1995/96	1,040	455	1,495	527	22	549	392			1,959			416,206	No surveys - high flows
1996/97	1,839	1,609	3,448	160	73	233	347			2,346			401,243	No surveys - high flows
1997/98	347	49	396	139	22	161	449	7,448	7,897	935	7,519	8,454	349,510	
1998/99	561	1,030	1,591	296	46	342	262	7,870	8,132	1,119	8,946	10,065	592,471	EG 10,300 (tentative) revised downward
1999/00	497	361	858	251	39	290	96	3,780	3,876	844	4,180	5,024	445,434	
2000/01	1,572	53	1,625	112	18	130	290	4,584	4,874	1,974	4,655	6,629	501,221	WSR
2001/02	2,860	131	2,991	263	45	308	427	5,394	5,821	3,550	5,570	9,120	463,460	2002 SaSI status Depressed
2002/03	439	46	485	10	32	42	113	6,818	6,931	562	6,896	7,458	421,213	
2003/04	878	11	889	212	105	317	392	7,332	7,724	1,482	7,448	8,930	513,330	
2004/05	709+	6+	715+	528	216	744	358	6,175	6,533	1595+	6397+	7992+	529,821	
2005/06													466,100	Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														2001 and on: 1 April to 31 March CRC year

**Sport Harvest:** Began 12 month CRC recording in 1962; Skagit system data had a 0.6 Bias Correction multiplier thru 73-74 season (P. Hahn, WFDW).

**Hatchery Escapement:** 1995-2005: Source is Adult\_Tickets database for trapped less released for Marblemount and Barnaby.

**Other Hatchery Releases:** Steelhead releases into the Skagit System began in 1936 at Grandy Creek and the Skagit River (undifferentiated), data quality very erratic.

# Steelhead Historical Database

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

## Skokomish River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 16.0001

Mason County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

Revised: 06-03-05

1May-30Apr

Smolt

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			-May Release Return N+2
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	
1977/78													
1978/79			277			302							18,700
1979/80			302			113							10,500
1980/81			161			286							17,000
1981/82			145			344		822					27,200
1982/83			202			247		659					14,800
1983/84			202			161		777					27,082
1984/85			327			306		968					29,600
1985/86			332			400		866					23,100
1986/87	120	38	158			274		546					20,900
1987/88	72	15	87			231		742					20,000
1988/89	46	13	59			51		1,444					44,800
1989/90	66	2	68			57		370					39,975
1990/91	14	2	16			23		729					39,000
1991/92	19	2	21			3		172	(min)				19,900
1992/93	0	2	2			13							28,500
1993/94	8	6	14			20		473					20,000
1994/95	6	3	9			0		398			401		39,130
1995/96	24	0	24			0							39,296
1996/97	23	2	25			0							53,684
1997/98	10	0	10			0		373			373		14,688
1998/99	9	3	12			0		311			314		53,495
1999/00	26	2	28			0		261			263		46,700
2000/01	26	0	26			0		286			286		62,300
2001/02	100	0	100			0		156	(min)		156		63,000
2002/03	14	5	19			0		132	(min)		137		68,400
2003/04	52+	4+	56+					223					55,803
2004/05													
2005/06													
2006/07													
2007/08													
2008/09													

Comments

EG=1,400

Wild river entry: E. Dec - L. May  
Wild spawn: M. Feb - M. Jun

Segregated harvest hatchery program  
Eggs transferred in

Begin ad-clip  
WSR since 1987

1992 SaSSI status: Depressed  
Incomplete surveys due to high flows

Incomplete surveys due to high flows

Incomplete surveys due to high flows

Incomplete surveys due to high flows

2002 SaSI status: Depressed  
Incomplete surveys due to high flows

Incomplete surveys due to high flows

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

## Snohomish River System Summer-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 07.0012

Snohomish County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

Revised: 06-09-05

1May-30Apr

Smolt

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			Escapement			Total Runsize			Smolt Return N+2
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	
1977/78						1							
1978						0							
1979						32							
1980						625							
1981						400							
1982						331							
1983						67							
1984						64							
1985						27							
1986	3,020	1,180	4,200			163							
1987	2,396	483	2,879			74							63,100
1988	6,525	990	7,515			97							233,000
1989	2,200	413	2,613			19							137,700
1990	3,004	407	3,411			44							184,300
1991	2,432	387	2,819			12							179,900
1992	2,472	143	2,615			7							235,100
1993	2,916	127	3,043			0							127,100
1994	5,601	121	5,722			2							230,500
1995	1,367	112	1,479			1							180,900
1996	3,762	178	3,940			1							226,400
1997	3,599	68	3,667			9							168,631
1998	3,804	112	3,916			9							265,300
1999	2,273	45	2,318			5							266,300
2000	4,374	28	4,402			0							167,200
2001	5,911	54	5,965			3							223,400
2002	4,318	38	4,356			18							221,200
2003	2,087	29	2,116										177,849
2004													
2005													
2006													
2007													
2008													

Comments

Includes Tolt, NF Skykomish and SF Skykomish stocks

Tolt EG = 121

Wild river entry: E. Apr - M. Dec  
Wild spawn timing data not available

Segregated harvest hatchery program  
Jun 1 - Jan 31 broodstock collection

1992 SaSSI status (Tolt): Depressed

2002 SaSI status (Tolt): Healthy

# Steelhead Historical Database

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

## Snohomish River System Winter-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 07.0012

Snohomish County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

													Smolt	Revised: 04-12-06
Return	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-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	
1960/61													113,023	System EG=6500
1961/62			11,962										127,484	
1962/63			13,633										166,834	Wild river entry: E. Nov - M. May for system
1963/64			17,142										228,163	Wild spawn: E. Mar - M. Jun for system
1964/65			15,069										121,530	
1965/66			16,604										197,317	Segregated harvest hatchery program
1966/67			16,096										182,485	20 Nov - 10 Feb broodstock collection
1967/68			13,411										153,051	Tokul Cr., Reiter Ponds and Wallace R. hatcheries
1968/69			12,910										191,271	
1969/70			6,283										276,518	
1970/71			11,695										186,670	Pilchuck R., Raging, Skyhomish, Snoqualmie, Sultan,
1971/72			16,747										225,035	Tokul, Tolt, Wallace rivers and Woods Cr.
1972/73			8,647										217,325	
1973/74			14,782										252,363	
1974/75			16,247										251,341	
1975/76			8,600										391,923	
1976/77			6,661			1,623							364,139	Emergency closure 1/9 thru 4/9
1977/78			24,978			5,745							437,428	One fish daily limit in March
1978/79			14,630			5,423							385,086	One fish daily limit in March
1979/80			18,386			10,402							340,937	One fish daily limit in March
1980/81	6,268	1,004	7,272	5,898	1,506	7,404		2,954			5,464		413,193	One fish daily limit in March
1981/82	4,076	1,086	5,162	4,819	1,397	6,216		4,160			6,643		367,832	One fish daily limit in March
1982/83	4,648	1,627	6,275	3,947	1,202	5,149		5,158			7,987		349,034	One fish daily limit in March
1983/84	8,756	423	9,179	4,056	237	4,293		6,432			7,092		320,253	One fish daily limit in March; WSR 12/27
1984/85	10,957	149	11,106	10,997	622	11,619	4,392	6,536	10,928	26,346	7,307	33,653	326,432	One fish daily limit in March; WSR 12/3
1985/86	8,947	257	9,204	7,886	765	8,651		7,790			8,812		479,910	WSR 1/2/86
1986/87	9,555	1,032	10,587	9,764	630	10,394		7,464			9,126		361,870	WSR 3/1/87
1987/88	10,355	2,286	12,641	5,362	979	6,341		7,744			11,009		230,056	
1988/89	5,997	2,250	8,247	1,825	493	2,318		7,078			9,821		439,956	
1989/90	6,347	1,888	8,235	3,705	197	3,902		5,498			7,583		424,911	
1990/91	4,659	839	5,498	873	225	1,098		5,936			7,000		351,722	
1991/92	10,248	1,209	11,457	1,913	35	1,948		8,588			9,832		347,600	1992 SaSSI status: all 3 stocks Healthy
1992/93	10,556	1,362	11,918	832	39	871							349,606	
1993/94	5,299	411	5,710			85		6,992					441,519	
1994/95	7,654	483	8,137			315		7,722					341,834	
1995/96	5,269	378	5,647			252	1,333						288,619	
1996/97	3,015	319	3,334			241	813						429,934	
1997/98	2,067	105	2,172			58	536	5,250	5,786		8,016		216,265	
1998/99	4,307	1,063	5,370			182	816	6,371	7,187		12,739		489,602	
1999/00	3,959	184	4,143			377	403	2,822	3,225		7,745		442,722	
2000/01	4,349	118	4,467			66	483	3,122	3,605		8,138		412,235	
2001/02	8,629	114	8,743			545	1,148	2,234	3,382		12,670		418,186	2002 SaSI status: all 3 stocks Depressed
2002/03	2,281	75	2,356			0	458	3,188	3,646		6,002		423,320	
2003/04	6,590	62	6,652			86	1,362	5,608	6,970				453,728	
2004/05	7631+	3+	7634+				844	3,842	4,686				448,016	
2005/06													404,452	Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year

**Sport Harvest:** Began 12 month CRC recording in 1962; Snohomish system data had a 0.6 Bias Correction multiplier thru 75-76 season (P. Hahn, WFDW)

\*Total number of adults trapped (from WDFW Final Hatchery Escapement Report) only. Therefore, total hatchery runsize components such as fish that spawn or die below the hatchery, fish that are recycled or released to the stream and become trapped again, or fish that pass the trap undetected have not been accounted for.

**Other Hatchery Releases:** Steelhead releases into the Snohomish System began in 1933 in various tributaries, data quality very erratic

# Steelhead Historical Database

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

## Stillaguamish River System Summer-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 05.0001

Snohomish County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-09-05

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			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														Includes Deer Cr, South Fork, and Canyon Cr stocks
1979														Deer Creek EG=911; escapement not monitored
1980														
1981			1,101			158								South Fork is a non-native stock
1982			807			265								Wild river entry (South Fork): E. May - L. Oct
1983			518			3								Wild spawn (South Fork): M. Jan - L. Apr
1984			792			36								
1985			867			22								Deer Creek is a native stock
1986	701	188	889			61								Wild river entry (Deer Cr): E. Jul - M. Oct
1987	475	161	636			2							63,400	Wild spawn (Deer Cr): E. Apr - E. Jun
1988	983	228	1,211			3							82,800	Segregated harvest hatchery program
1989	729	160	889			20							59,500	Jun - Jan collection from Reiter Pd hatchery returns
1990	462	110	572			8							100,000	
1991	280	96	376			0							80,600	
1992	524	116	640			0							85,100	1992 SaSSI status (Deer Cr): Critical
1993	545	51	596			0							81,300	WSR in 1993 for South Fork
1994	702	93	795			0							87,100	
1995	206	12	218			0							74,000	
1996	505	12	517			0							85,100	
1997	473	13	486			0							38,600	
1998	222	15	237			0							74,700	WSR in 1998 for Canyon Creek
1999	223	21	244			0							17,600	
2000	456	10	466			0							70,000	
2001	559	9	568			0							106,900	
2002	586	6	592			0							90,600	2002 SaSI status (Deer Cr): Depressed
2003	201	16	217										45,633	
2004														
2005														
2006														
2007														
2008														

# Steelhead Historical Database

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

## Stillaguamish River System Winter-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 05.0001

Snohomish County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Revised: 04-18-06

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Smolt	Comments
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery*	Wild	H&W Total	Hatchery	Wild	H&W Total	-May Release Return N+2	
1960/61			2,201										42,414	
1961/62			4,550										51,592	System EG = 1,800 Index EG=950
1962/63			4,968										66,301	
1963/64			7,115										36,641	Wild river entry: L. Nov - L. Apr Wild spawn: M. Mar - M. Jun
1964/65			6,655										68,663	
1965/66			10,558										87,416	
1966/67			8,272										116,946	Whitehorse ponds
1967/68			8,342										103,140	Segregated harvest hatchery program
1968/69			5,098										95,220	Dec - Mar local hatchery returns broodstock collection
1969/70			4,242										105,569	
1970/71			6,088										110,645	
1971/72			6,317										95,521	
1972/73			3,633										115,728	
1973/74			4,119										120,830	
1974/75			5,605										87,808	
1975/76			1,343			422							106,009	
1976/77			2,461			1,063							217,296	
1977/78			2,829			1,783							139,513	
1978/79			2,353			2,398							116,779	
1979/80			2,285			2,444							96,578	
1980/81			1,697			3,062							91,789	
1981/82			1,005			2,195							119,744	
1982/83			740			2,482							98,455	
1983/84			1,481			1,872							87,589	
1984/85			3,285			4,614			1,542				109,977	
1985/86			3,028			4,052			2,226				114,618	
1986/87	1,835	635	2,470			4,558			1,892				117,408	
1987/88	1,848	640	2,488			3,407			1,222				128,798	Smolt numbers include Canyon and Pilchuck creeks
1988/89	1,432	432	1,864			2,329			1,718				116,120	NOTE: Escapements are index numbers (italics)
1989/90	755	250	1,005			2,247							145,227	
1990/91	331	194	525			720			950				19,894	
1991/92	1,463	319	1,782			1,547							137,991	1992 SaSSI status: Healthy
1992/93	2,371	639	3,010			1,507			1,178				100,354	
1993/94	798	545	1,343			203			1,118				133,256	Catch Record Card (CRC) reporting season change:
1994/95	1,399	481	1,880			171			1,556				140,642	Prior to 2000: 1 May to 30 April CRC year
1995/96	716	147	863			0	210		1,094				122,967	Year 2000: 1 May to 31 Mar CRC year
1996/97	608	160	768			25	138						115,911	2001 and on: 1 April to 31 March CRC year
1997/98	190	24	214			0	94		1,185				90,175	WSR emergency reg
1998/99	752	184	936			0	288		917				152,561	
1999/00	1,207	71	1,278			0	188		463				97,390	
2000/01	1,070	10	1,080			0	91		630				88,640	
2001/02	1,404	23	1,427			0	410		354				113,036	2002 SaSI status: Depressed
2002/03	503	9	512			0	65		660				133,914	
2003/04	491	4	495			0	188		740				146,437	
2004/05	682+	3+	685+			0	300		462				144,801	
2005/06													177,535	

**Other Hatchery Releases:** Steelhead releases into the Stillaguamish System began in 1933. Data quality very erratic.

\*Total number of adults trapped (from WDFW Final Hatchery Escapement Report) only. Therefore, total hatchery runsize components such as fish that spawn or die below the hatchery, fish that are recycled or released to the stream and become trapped again, or fish that pass the trap undetected have not been accounted for.

# Steelhead Historical Database

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

## Tahuya River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 15.0446

Mason County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			~May Release Return N+2
	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	Hatchery	Wild	H&W Total	
1977/78													
1978/79			44			0							9,900
1979/80			109			0							10,100
1980/81			74			0		94					10,500
1981/82			37			0		86					10,700
1982/83			46			0		44					8,400
1983/84			71			11	241	172	413			495	15,100
1984/85			115			0	162	185	347			462	10,300
1985/86			86			0	71	142	213			299	10,000
1986/87	14	9	23			3		119					10,000
1987/88	7	17	24			0	121	102	223	128	119	247	10,000
1988/89	4	4	8			0	148	142	290	152	146	298	10,000
1989/90	5	3	8			0		164			167		15,000
1990/91	7	7	14			0		122			129		0
1991/92	0	2	2			0		73			75		0
1992/93	0	7	7			0		75			82		0
1993/94	3	0	3			0		77			77		9,800
1994/95	3	0	3			0		78			78		14,976
1995/96	8	4	12			0		92			96		0
1996/97	0	0	0			0		144			144		0
1997/98	0	0	0			0		126			126		0
1998/99	6	6	12			0		340			346		0
1999/00	2	0	2			0		191			191		0
2000/01	0	0	0			0		133			133		0
2001/02	0	0	0			0		97			97		0
2002/03	0	0	0			0		53			53		0
2003/04	0+	0+	0+					168					0
2004/05													
2005/06													
2006/07													
2007/08													
2008/09													

Comments

Escapement goal = 236

Wild river entry: E. Dec - L. May  
Wild spawn: E. Mar - E. Jun

First ad-clip; WSR

1992 SaSSI status: Depressed

2002 SaSI status: Depressed

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

## Tolt River Summer-run Steelhead

WDFW District 13, 16018 Mill Creek Blvd, Mill Creek 98012, (425) 775-1311

WRIA 07.0291

King County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-22-05

Return Year (N)	Sport Harvest (1May-31Oct)			Tribal Harvest (1May-31Oct)			Escapement			Total Runsize			Smolt 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														
1979														
1980														
1981														
1982														
1983														
1984														
1985									140					
1986	126	82	208					84			166		0	
1987	143	60	203					88			148		0	
1988	413	88	501										15,800	
1989	70	29	99					60			89		5,300	
1990	109	0	109										8,700	
1991	17	0	17					45			45		0	
1992	46	0	46					108			108		0	1992 SaSSI status: Depressed
1993	17	0	17					202			202		8,000	
1994	9	0	9					161			161		0	
1995	8	0	8					151			151		0	
1996	16	0	16					170			170			
1997	0	0	0					213			213			
1998	8	0	8					366			366			
1999	0	0	0					214			214			
2000	0	0	0					185			185			
2001	9	0	9					167			167			
2002	0	0	0					115			115			2002 SaSI status: Healthy
2003	0	0	0					198			198			
2004								34						
2005														
2006														
2007														
2008														

EG = 121

Wild river entry: Unknown  
Wild spawn timing: Unknown

redd count escapement estimates

1992 SaSSI status: Depressed

2002 SaSI status: Healthy

# Steelhead Historical Database

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

## Union River Winter-run Steelhead

WDFW District 15, 283236 Hwy 101, Port Townsend 98368, (360) 765-3979

WRIA 15.0503

Mason County

Example: Hatchery smolt releases during the spring of 1977 will produce the majority of adults returning for the 1978-79 winter and 1979 summer harvest seasons

1May-30Apr

Smolt

Revised: 06-03-05

Return Year (N)	Sport Harvest (1Nov-30Apr)			Tribal Harvest (1Nov-30Apr)			Escapement			Total Runsize			Smolt 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														
1978/79			312			0							10,000	Escapement goal not identified
1979/80			81			0							10,100	Wild river entry: E. Dec - L. May
1980/81			67			0							10,300	Wild spawn: M. Feb - E. Jun
1981/82			41			0							9,900	
1982/83			40			0							10,010	1983-1985: Catch limit is one
1983/84			43			0							10,000	
1984/85			83			0							10,000	
1985/86			143			0							9,400	
1986/87	9	11	20			0							10,000	First ad-clip; WSR
1987/88	10	2	12			0							10,000	
1988/89	32	6	38			0							15,000	
1989/90	10	2	12			0							14,850	
1990/91	8	6	14			0							10,035	
1991/92	2	2	4			0							5,000	1992 SaSSI status: Unknown
1992/93	11	2	13			0							10,000	
1993/94	0	0	0			0							11,500	
1994/95	3	0	3			0							15,028	
1995/96	4	0	4			0							0	
1996/97	0	0	0			0							0	
1997/98	0	0	0			0		45			45		0	
1998/99	0	0	0			0		65			65		0	
1999/00	9	0	9			0		50			50		0	
2000/01	8	0	8			0		73			73		0	Hat. returns assumed 73.5% age 3; 26.5% age 4
2001/02	0	0	0			0		49			49		0	2002 SaSI status: Unknown
2002/03	0	0	0			0		50			50		0	
2003/04	0+	0+	0+			0		58					0	
2004/05														
2005/06														Catch Record Card (CRC) reporting season change:
2006/07														Prior to 2000: 1 May to 30 April CRC year
2007/08														Year 2000: 1 May to 31 Mar CRC year
2008/09														2001 and on: 1 April to 31 March CRC year