



**State of Alaska
Department of Fish and Game
Sportfish Division**

**Nomination Form
Fish Distribution Database**

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STATE OF ALASKA
FISH & GAME

Region Southeast Region I

USGS Quad Skagway A-2, B-2, B-3, C-3

Fish Distribution Database Number of Waterway 115-32-10250

Name of Waterway Chilkat River USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>04 084</u>	<u>[Signature]</u>	<u>3/13/04</u>
Revision Year:	<u>2003</u>	Fisheries Scientist	Date
Revision to:	Atlas _____ Catalog _____	<u>[Signature]</u>	<u>04/27/04</u>
	Both <u>X</u>	FDD Project Biologist	Date
Revision Code:	<u>B-1</u>	<u>[Signature]</u>	<u>10/19/04</u>
		Drafted	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Lamprey	4/30 - 5/26/2000	?		X	<input checked="" type="checkbox"/>
whitefish, cutthroat	4/30 - 5/26/2000			X	<input checked="" type="checkbox"/>
chinook	4/30 - 5/26/2000		X	X	<input checked="" type="checkbox"/>
coho, Dolly Varden	4/30 - 5/26/2000		X	X	<input checked="" type="checkbox"/>
pink, chum, sockeye	4/30 - 5/26/2000			X	<input checked="" type="checkbox"/>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: I have known for many years that lamprey spawn in the Chilkat River drainage. Division of Sport Fish personnel fished two rotary screw traps in the Chilkat River immediately downstream of the Kellsall River confluence, from April 30 to May 26, 2000 (see Appendix A1 and A2 in Fishery Data Series Report No. 02-18). During this time we caught 7 lamprey documenting their presence this far upstream. Since that time we have used minnow traps to capture chinook and coho smolt each spring in the Chilkat River adjacent to Haines Highway mile 4 to 22. Every year we capture lamprey in these traps.

Backup information: In addition to lamprey, we caught 951 chinook smolt, 1,134 coho smolt, 150 sockeye smolt, 315 pink fry, 74 chum fry, 24 cutthroat trout, 59 Dolly Varden, 5 whitefish, 664 sticklebacks, and 49 sculpin in the screw traps in 2000.

DEC 05 2003

*Add Pacific Lamprey (PCP) & CTP (extend)
to 115-32-10250*

Name of Observer (please print): Randolph Ericksen
 Signature: [Signature]
 Address: ADFG - Div. of Sport Fish
PO Box 330, Haines, AK 99827

Date: 11/19/03

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist: [Signature]
 Name of Area Biologist (please print): Randolph P. Ericksen

Revision 04/03

FISHERY DATA SERIES NO. 02-18

**SMOLT PRODUCTION AND HARVEST OF COHO SALMON FROM
THE CHILKAT RIVER, 2000-2001**

by

Randolph P. Ericksen
Division of Sport Fish, Douglas

Alaska Department of Fish and Game
Division of Sport Fish
333 Raspberry Road
Anchorage, AK 99518-1599

September 2002

This investigation was partially financed by the Federal Aid in Sport Fish Restoration Act
(16 U.S.C. 777-777K) under Project F-10-15, F-10-16, and F-10-17, Job No. S-1-5.

Appendix A1.—Daily lower rotary smolt trap log with catch by species and type in the upper Chilkat River, 2000.

Date	Chinook		Coho		Sockeye		Pink Chum		Dolly Varden		Cut-throat	Stickle-back	Sculpin	White-fish	Lam-prey	Comments
	Smolt	Parr	Smolt	Parr	Smolt	Parr	Smolt	Parr	Large	Small						
04/30	9															Trap started at 18:00
05/01	60	1	5	3			3	3	1			3		1	1	Spinning in a.m. Debris drum working poorly.
05/02	46		13	15			10	15				25			1	Spinning in a.m. Debris drum not working.
05/03	34	52	6	14	40		50	40				16				Spinning in a.m. Debris drum not working.
05/04	9	30	3	15			20	25								Not spinning in a.m. (log). Trap not fished after morning check.
05/05		4														Not fished overnight. Trap started again at 15:15.
05/06	32	7	19	3			2	3	1	1		63		1		Spinning in a.m. Debris drum working fine.
05/07	15	2	3	6			2	8				6		2		Not spinning in a.m. (log). Trap not fished for ~2 hs. mid day.
05/08	36	8	14	5	3		47	7				9		2		Not spinning in a.m. (log).
05/09	119	11	50						1							Spinning in a.m.
05/10	52		35		9							19		2		Not spinning in a.m. (debris).
05/11	33	3	3	5	28		30	14	20			36		2		Not spinning in a.m. (debris).
05/12	49	40	21	20	40		40	5	1	1		35				Debris drum not turning, box overflowing (not fish tight).
05/13	42	15	71	30			40	5	1	1		60		5		Not spinning in a.m. (debris). Not fished 13:00 to 21:30.
05/14	26	2	55	4			6	6				15		5		Not spinning in a.m. (log). Trap not fished during the day.
05/15	27	5	55	5			11	1				19		3		Spinning in a.m. Trap not fished during the day.
05/16	24	1	36		4							35				Not spinning in a.m. Trap not fished during the day.
05/17	33		65				4	3				20		1		Spinning in a.m. Trap not fished from 17:00 to 22:00.
05/18	15	3	49	5			30	3	3			8				Not spinning in a.m. Trap not fished.
05/19	1		2				25							1		Not fished overnight.
05/20	15		39				15					10		1		Not spinning in a.m.
05/21	13		43					35				15				Spinning in a.m.
05/22	9	35	24	25			10	10	15			10				Spinning in a.m.
05/23	5	30	35	15								10				Spinning in a.m.
05/24	1	25	24	60			3	7				5				Spinning in a.m.
05/25	4		28													Spinning in a.m.
05/26	3		19													Not spinning in a.m. (log).
Total	712	274	717	230	124	363	196	42	3	30	14	417	24	4	5	

Appendix A2.-Daily upper rotary smolt trap log with catch by species and type in the upper Chilkat River, 2000.

Date	Chinook		Coho		Sockeye		Pink		Chum		Dolly Varden		Cut-throat	Stickle-back	Sculpin	White-fish		Lamprey	Comments
	Smolt	Parr	Smolt	Parr	Smolt	Parr	Smolt	Parr	Smolt	Parr	Large	Small							
05/06	2	2		3		2		1					1	5					Started at 16:00. Working poorly.
05/07	1			3				2					1	1					Box not fish tight
05/08	13			7										5					Fishing in slow current.
05/09	19			11		2		30		3				5					Moved trap to better location 13:45.
05/10	17			17		6		115		34		1	4	10		3			Not turning in a.m. (debris).
05/11	28			5		9		10		11		3	3	9		12			Turning in a.m.
05/12	43	60		19		75		105		26			2	46				1	Turning in a.m.
05/13	25	15		34		18		55		6			1	55		3			Turning in a.m., not fished during day.
05/14	5	3		47		8		12						8		3			Turning in a.m., not fished during day.
05/15	15	2		27				8						12		2			Turning in a.m., not fished during day.
05/16	7	7		10		7		20		2			3	8					Turning in a.m., not fished during day.
05/17	5	12		14		16		24					2	27					Turning in a.m., not fished during day.
05/18	9	9		28		9		18		4			2	4		2			Not turning in a.m. Fished all day.
05/19	4			4				12					1	2					Not turning in a.m.
05/20	12			59				20					1	4					Not turning in a.m.
05/21	13			28						15			1	6					Turning in a.m.
05/22	2	45		13		50		10		5		10		10					Turning in a.m.
05/23	10	30		61		20		2		3			2	20					Turning in a.m.
05/24	2	30		47		50		4		5		1		10					Turning in a.m.
05/25	7			34															Turning in a.m.
05/26				3															Not turning in a.m. Quit fishing @ 7:00 a.m..
Total	239	215		471		273		26	447	119		32	11	15	10	247	25	1	2