

**HIGH SEAS SALMONID  
CODED-WIRE TAG RECOVERY DATA, 2001**

Katherine W. Myers  
School of Aquatic and Fishery Sciences  
University of Washington  
Box 355020  
Seattle, Washington 98195

Adrian G. Celewycz and Edward V. Farley, Jr.  
Auke Bay Laboratory  
Alaska Fisheries Science Center  
National Marine Fisheries Service  
National Oceanic and Atmospheric Administration  
11305 Glacier Highway  
Juneau, AK 99801-8626

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# HIGH SEAS SALMONID CODED-WIRE TAG RECOVERY DATA, 2001

## ABSTRACT

Information on high seas recoveries of coded-wire tagged (CWT) salmonids has been reported annually to the International North Pacific Fisheries Commission (1981-1992) and to the North Pacific Anadromous Fish Commission (1993-present). In this document, release and recovery data for 445 CWT salmonids are reported for the first time. Reported recoveries are from U.S. commercial groundfish (trawl) fishery operations (419 recoveries) in 1996-2001 and U.S. and Japanese high seas research vessel operations (26 recoveries) in 1998-2000. The results were compared to previous CWT and high seas tag (HST) recoveries, and significant new information on ocean distribution of Pacific salmon and steelhead is discussed. Two recoveries of Yukon River hatchery chinook salmon corroborate information from seven previous recoveries showing that Yukon Territory chinook salmon are distributed in the southeastern Bering Sea in winter (December-March). One recovery in March at 52°56'N, 156°48'W is a southern range extension for British Columbia chinook salmon in the western Gulf of Alaska. Nine recoveries of Idaho (8) and Oregon (1) hatchery chinook salmon from the Snake River Basin provide new information (only 3 previous recoveries) on their distribution off the Washington Coast. Two recoveries at 58°42'N, 150°35'W and 59°42'N, 149°22'W are westward extensions of the known ocean range of juvenile (ocean age-.0) Oregon chinook salmon in the coastal Gulf of Alaska. A recovery at 56°11'N, 166°21'W is a northwestern range extension for southeastern Alaska chum salmon in the Bering Sea (only two previous recoveries). A coho salmon released in Grays Harbor (Satsop River), Washington, and recovered in the central Gulf of Alaska at 54°N, 145°W in July is a significant extension of the known high seas (international waters) range of maturing U.S. West Coast coho salmon. Previous CWT and high seas tag recoveries of Washington coho salmon in international waters were all south of 48°N. Two recoveries at 58°22'N, 150°16'W and 59°17'N, 148°55'W are western range extensions for juvenile (ocean age-.0) southeastern Alaska coho salmon in the coastal Gulf of Alaska. Four CWT recoveries (59°00'N, 150°49'W; 58°51'N, 150°42'W; 58°32'N, 150°25'W; and 59°17'N, 148°55'W) are western range extensions for juvenile Washington coho salmon in the coastal Gulf of Alaska. An inland summer run hatchery steelhead from the Snake River Basin, Oregon was recovered in the central Gulf of Alaska (47°59'N, 145°W) in mid July. Although this recovery location is well within the known ocean range of Snake River Basin steelhead, it is the southernmost recovery of this stock along 145°W longitude, which is currently the only survey line for high seas recovery of CWT salmonids across this vast region of the North Pacific Ocean.

## INTRODUCTION

The North Pacific Anadromous Fish Commission (NPAFC) coordinates the examination of high seas commercial and research catches for salmonids that might contain a coded-wire tag (CWT). Recoveries of coded-wire tagged salmonids in the North Pacific Ocean and Bering Sea have been reported annually to the International North Pacific Fisheries Commission (Dahlberg 1981-1982; Wertheimer and Dahlberg 1983-1984; Dahlberg and Fowler 1985; Dahlberg et al. 1986-1992; Margolis 1985; Margolis et al. 1989; McKinnell et al. 1991) and to the North Pacific Anadromous Fish Commission (Dahlberg et al. 1993-97, Myers et al. 1998-2000). The Regional Mark Processing Center, Pacific States Marine Fisheries Commission, incorporates the high seas CWT recovery data into their coastwide, on-line CWT recovery data set (Regional Mark Information System (RMIS), <http://www.rmis.org/index.html>). In this document, we list previously unreported data for CWT salmonids recovered aboard commercial groundfish vessels in the U.S. Exclusive Economic Zone (1996-2001) and U.S. and Japanese salmon research vessels in the North Pacific Ocean (1998-2000). The results were compared to previous CWT and high seas tag (HST) recoveries, and significant new information on ocean distribution and migration patterns of salmon and steelhead (*Oncorhynchus* spp.) is presented.

## RESULTS AND DISCUSSION

Data for 419 CWT salmon recovered in incidental salmon catches by the U.S. commercial groundfish (trawl) fishery in the U.S. Exclusive Economic Zone in 1996-2000 are listed by species (414 chinook, 1 chum, and 4 coho salmon), recovery region (Bering Sea, Gulf of Alaska, U.S. West Coast), and release location (state, region, and basin) in Table 1. The latitude and longitude of recovery for 15 CWT chinook salmon recovered in the Gulf of Alaska could not be determined from the data recorded by fishery observers; therefore, the recovery locations for these fish appear as National Marine Fisheries Service (NMFS) statistical areas. Area 610 (4 recoveries) is in the western Gulf of Alaska (158°W–170°W) and Area 630 (11 recoveries) is in the central Gulf of Alaska (146°W–153°W). Data for 26 CWT salmonids recovered during U.S. and Japanese salmon research vessel operations in 1998-2000 (4 chinook, 21 coho, and 1 steelhead) are listed in Table 2.

U.S. scientists periodically prepare reports and maps for NPAFC based on historical high-seas salmonid tag recoveries, which describe the known ocean ranges of major regional stocks of Asian and North American salmonids (for example, Myers et al. 1996). The sections that follow are a review by species of significant new information pertaining to ocean distribution and migration patterns of salmonids.

### **Chinook salmon**

Two recoveries of Yukon Territory hatchery chinook salmon corroborate previous information on the winter (March) distribution of Yukon River chinook salmon in the eastern Bering Sea (Fig. 1). One recovery in March at 52°56'N, 156°48'W is a southern range extension for British Columbia chinook salmon in the offshore waters of the

western Gulf of Alaska (Fig. 2). Eight recoveries of Idaho hatchery chinook salmon and one recovery of an Oregon hatchery chinook salmon from the Snake River Basin provide substantial new information on their distribution off the Washington Coast (Fig. 3). Two recoveries are westward extensions of the known ocean range of juvenile (ocean age-0) Oregon chinook salmon in the coastal Gulf of Alaska (Fig. 4).

### **Chum salmon**

A hatchery summer-run chum salmon (Neets Bay stock) released in Nakat Inlet, Alaska, in 1998 and recovered in late September 2000 in the southeastern Bering Sea at 56°N, 166°W is a slight northwestern range extension for southeastern Alaska chum salmon (Fig. 5; only two previous Bering Sea recoveries of CWT southeastern Alaska chum salmon). There are a total of only 12 other reported recoveries of CWT chum salmon by the U.S. Groundfish Observer Program since 1980, and all of these are Bering Sea recoveries of hatchery chum salmon released in the Stave (6), Puntledge (1), Nimpkish (1), and Chehalis (1) rivers in British Columbia, Finch Creek (1) in Hood Canal, Washington, and Deep Inlet (1) and Kasnyku Bay (1) in southeast Alaska.

### **Coho salmon**

A coho salmon released in Grays Harbor (Satsop River), Washington, and recovered in the central Gulf of Alaska at 54°N, 145°W in July is a significant extension of the known high seas range of maturing U.S. West Coast coho salmon. Previous CWT and HST recoveries of Washington coho salmon in international waters were all south of 48°N (Fig. 6). Two recoveries are western range extensions for juvenile (ocean age-0) southeastern Alaska coho salmon in the coastal Gulf of Alaska (Fig. 7). Four recoveries are western range extensions for juvenile Washington coho salmon in the coastal Gulf of Alaska (Fig. 8).

### **Steelhead**

A steelhead recovered in the central Gulf of Alaska (47°59'N, 145°W) in mid-July, was an inland summer run hatchery fish from the Snake River Basin, Oregon (Fig. 9). Although this recovery location is well within the known ocean range of Snake River Basin steelhead, it is the southernmost recovery of this stock along 145°W longitude, which is currently the only survey line for high seas recovery of CWT salmonids across this vast region of the North Pacific Ocean.

## **ACKNOWLEDGMENTS**

Fishermen, processors, observers, and scientists who participated in the 2001 high-seas CWT recovery program are gratefully acknowledged. The North Pacific Groundfish Observer Program, Alaska Fisheries Science Center (AFSC), NMFS, provided snout samples from salmonids lacking the adipose fin and recovery data collected by observers from the U.S. groundfish fishery. Eric Reiter, Auke Bay Laboratory (ABL), NMFS, dissected salmon snouts, read tags, and coded data. Jerry Berger, AFSC, provided data on catch locations, when observer data accompanying the samples were incomplete or erroneous. The Fisheries Agency of Japan and

Hokkaido University provided salmonid head samples and accompanying biological and catch data from Japanese salmon research vessels. Robert Walker and Nancy Davis, School of Aquatic and Fishery Sciences, University of Washington, participated in Japanese salmon research vessel recoveries of CWT salmonids. ABL provided funding for compilation and reporting of CWT release and recovery data (NOAA contract No. 50ABNF-1-0002).

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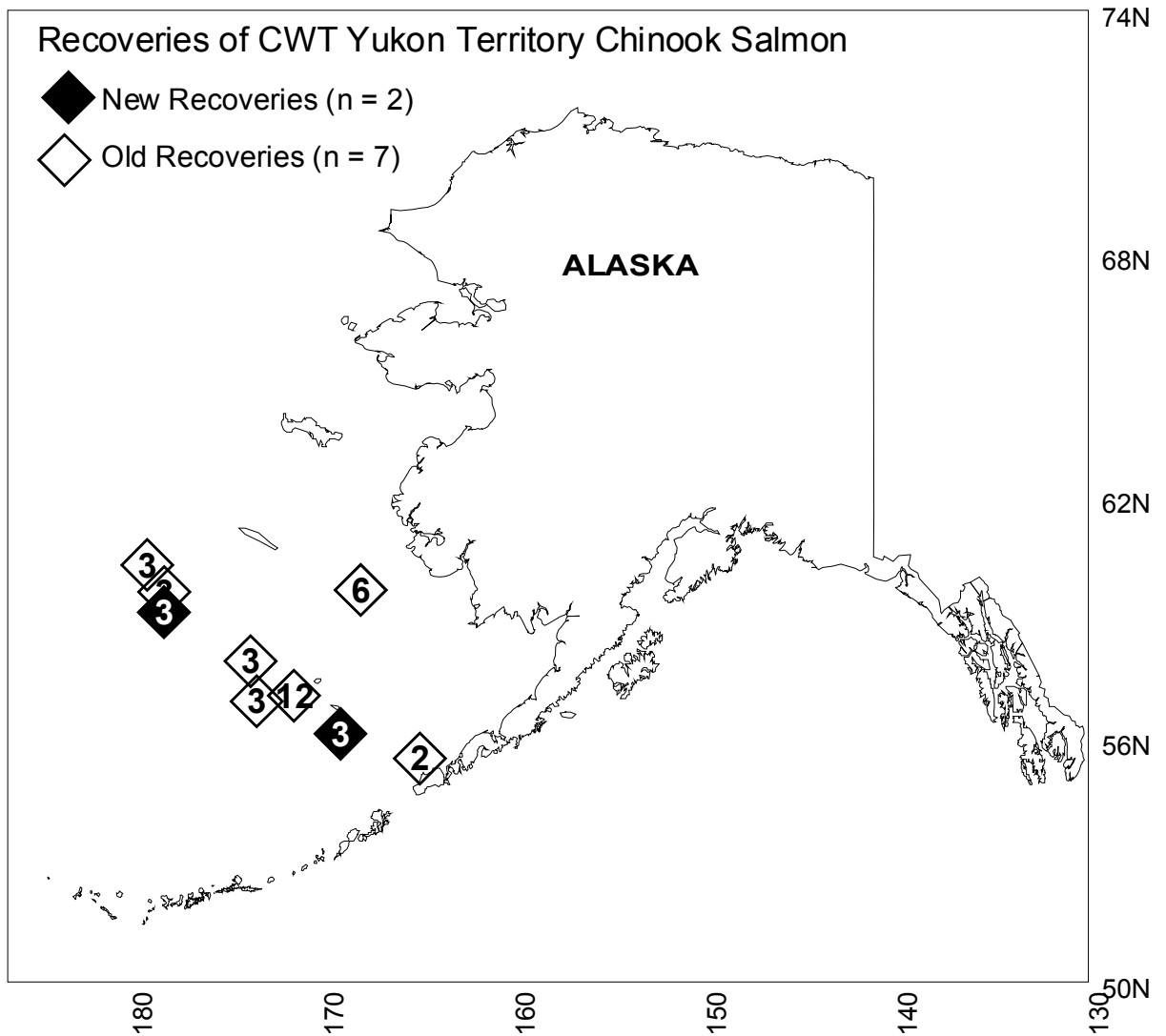


Fig. 1. Recovery locations of coded-wire tagged (CWT) Yukon River (Yukon Territory) hatchery chinook salmon in the eastern Bering Sea. The numbers inside the open and closed symbols indicate the month of recovery. These CWT recoveries provide the only direct information on the distribution of Yukon River chinook salmon in the eastern Bering Sea.

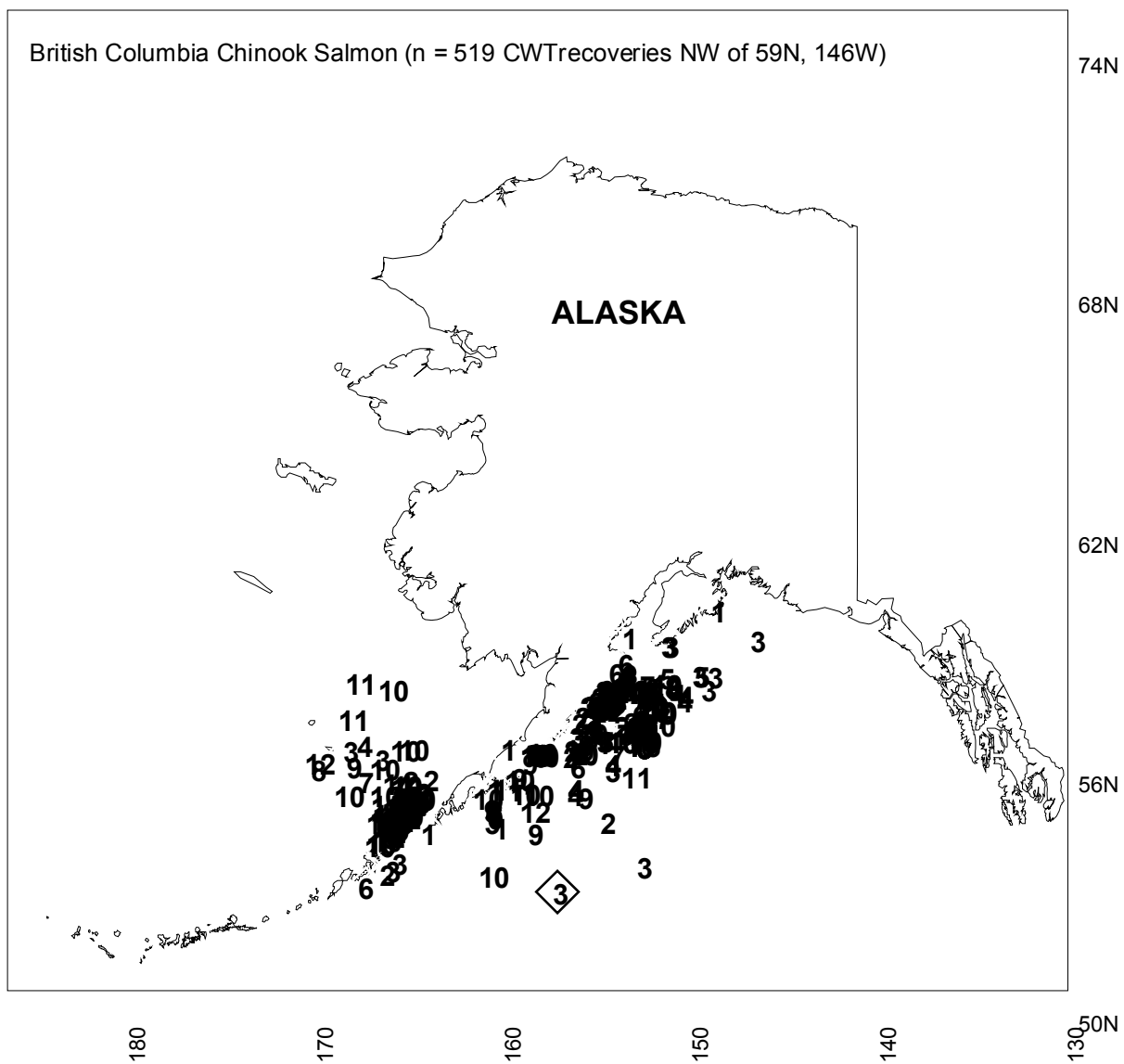


Fig. 2. Coded-wire tag (CWT) recovery locations of British Columbia chinook salmon in the Gulf of Alaska (1980-present). The numbers indicate the month of recovery. The open diamond indicates a recovery at 52°56'N, 156°48'W that is a southern range extension for British Columbia chinook salmon in the western Gulf of Alaska.

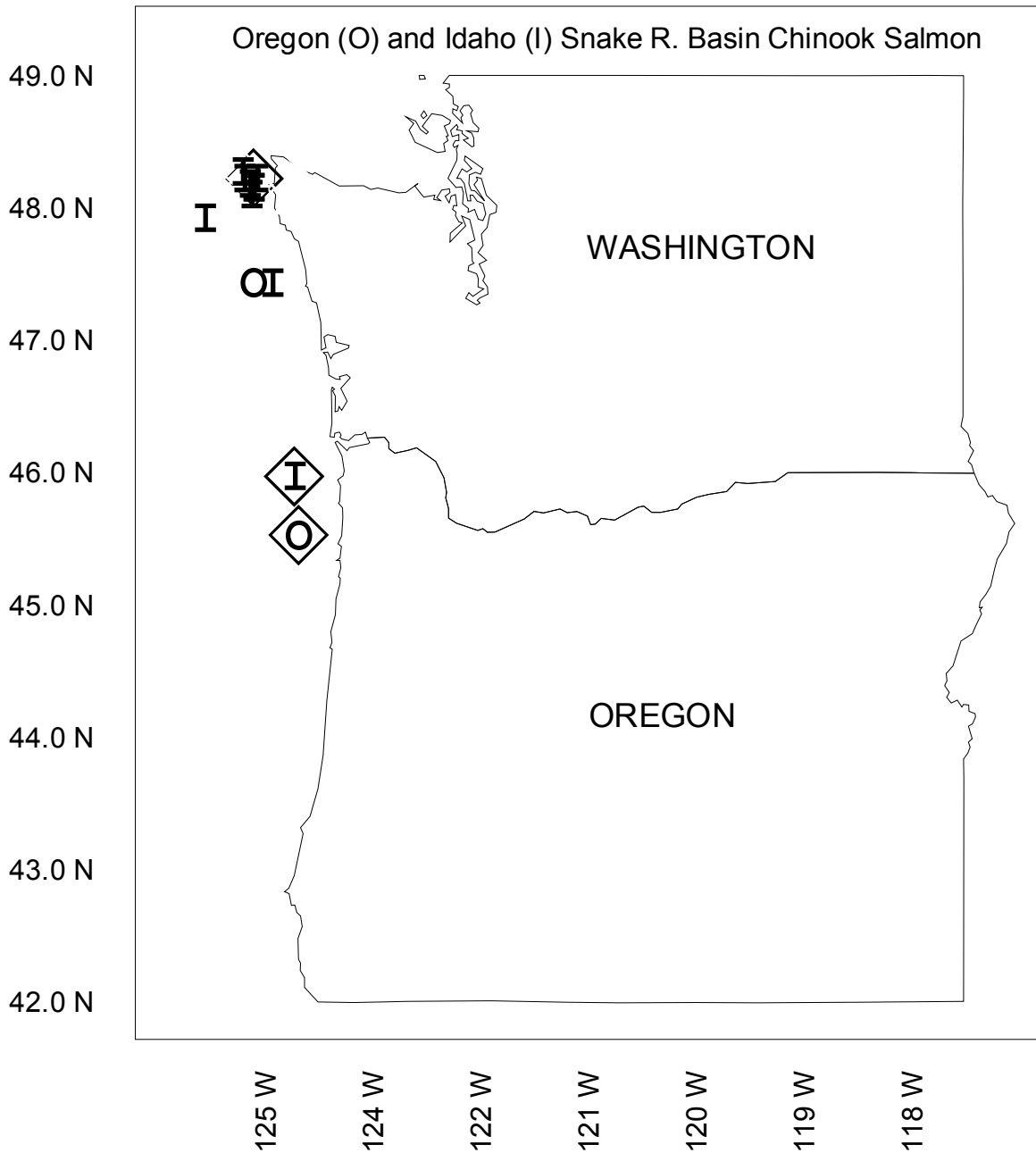


Fig. 3. Coded-wire tag (CWT) recovery locations of Oregon (O) and Idaho (I) Snake River Basin chinook salmon off the coasts of Washington and Oregon. New recoveries shown include 2 Oregon and 8 Idaho hatchery fish. Previously reported recovery locations are indicated by the open diamonds (1 Oregon and 2 Idaho fish).

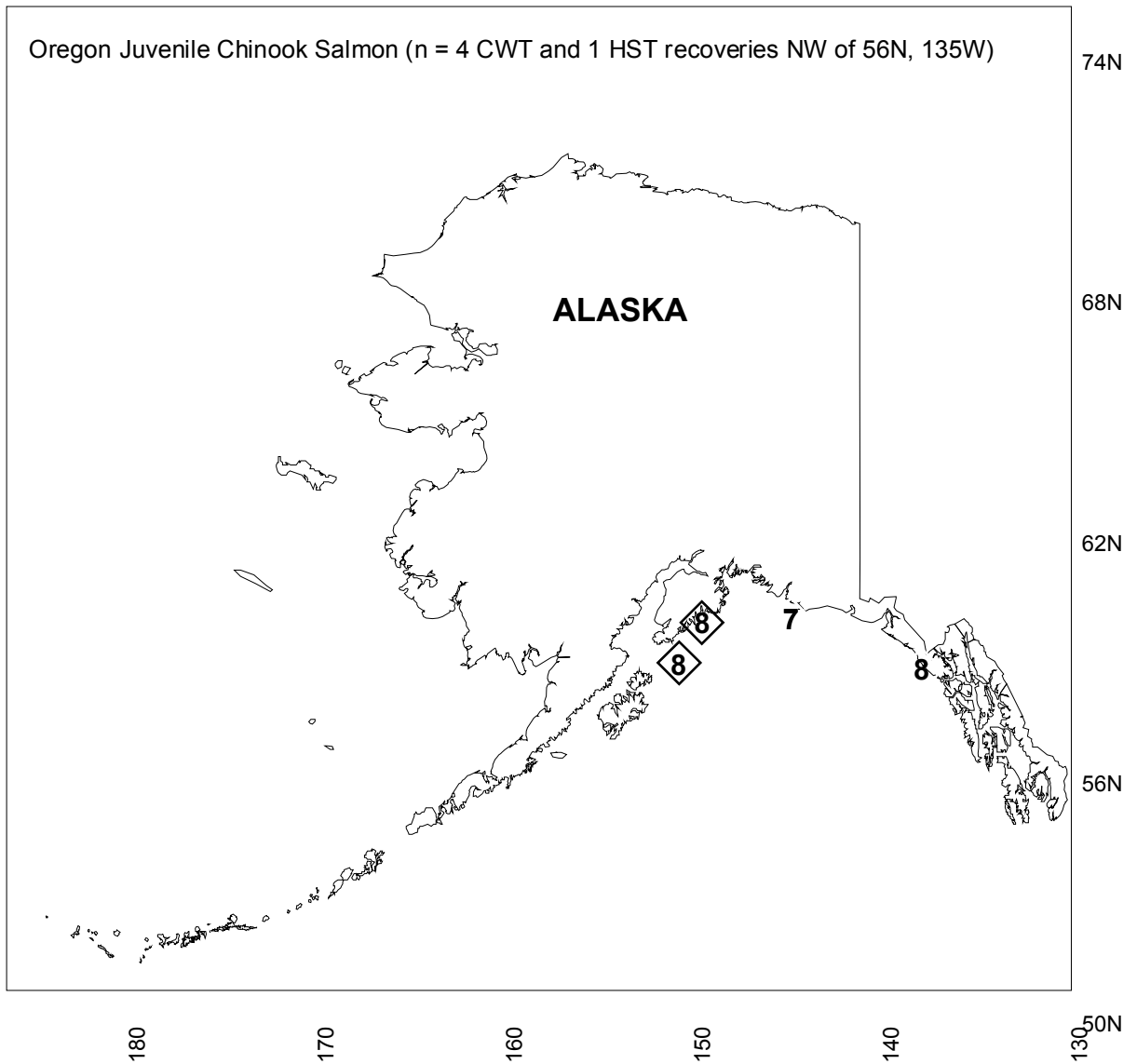


Fig. 4. Coded-wire tag (CWT) recovery and high seas tag (HST) release locations of juvenile (ocean age-0) Oregon chinook salmon in the Gulf of Alaska. The numbers indicate the month of recovery or release. The open diamonds indicate two new recoveries at  $58^{\circ}42'N$ ,  $150^{\circ}35'W$  and  $59^{\circ}42'N$ ,  $149^{\circ}22'W$  that are western range extensions for juvenile Oregon chinook salmon in the coastal Gulf of Alaska.

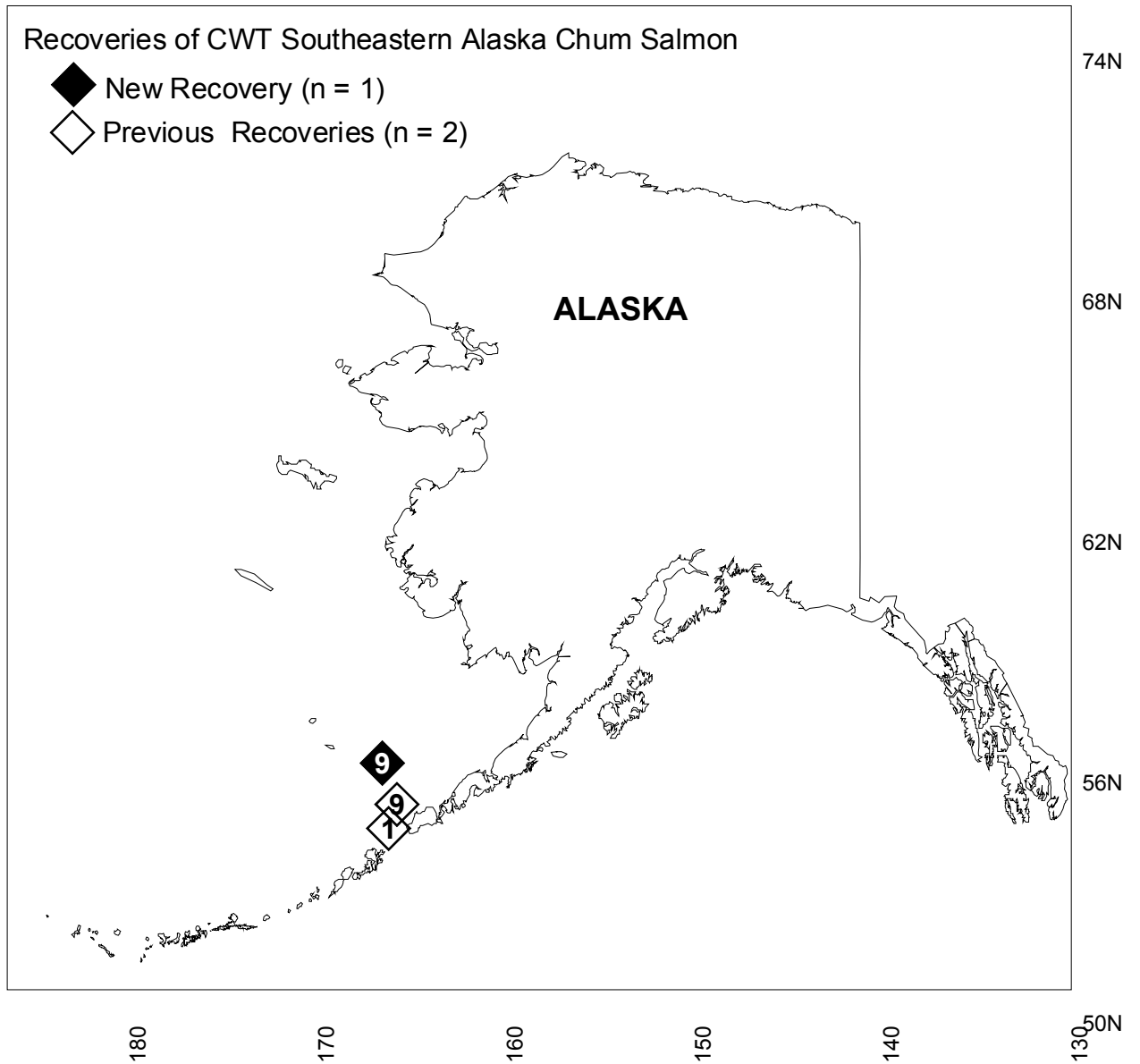


Fig. 5. Recovery locations of coded-wire tagged (CWT) southeastern Alaska chum salmon in the Bering Sea. The numbers indicate the month of recovery. A new recovery at  $56^{\circ}11'N$ ,  $166^{\circ}21'W$  is a northwestern range extension for southeastern Alaska chum salmon in the Bering Sea.

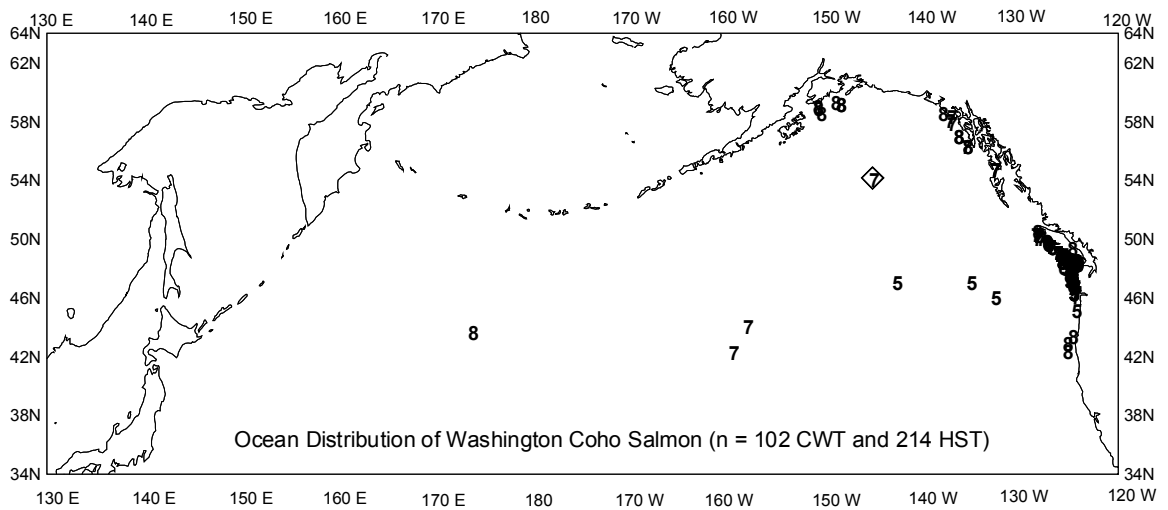


Fig. 6. Coded-wire tag (CWT) recovery and high seas tag (HST) release locations of Washington coho salmon in the North Pacific Ocean. The numbers indicate the month of CWT recovery or HST release. The open diamond indicates a new recovery at 54°N, 145°W that is a significant range extension for maturing U.S. West Coast coho salmon in the international waters of the central Gulf of Alaska.

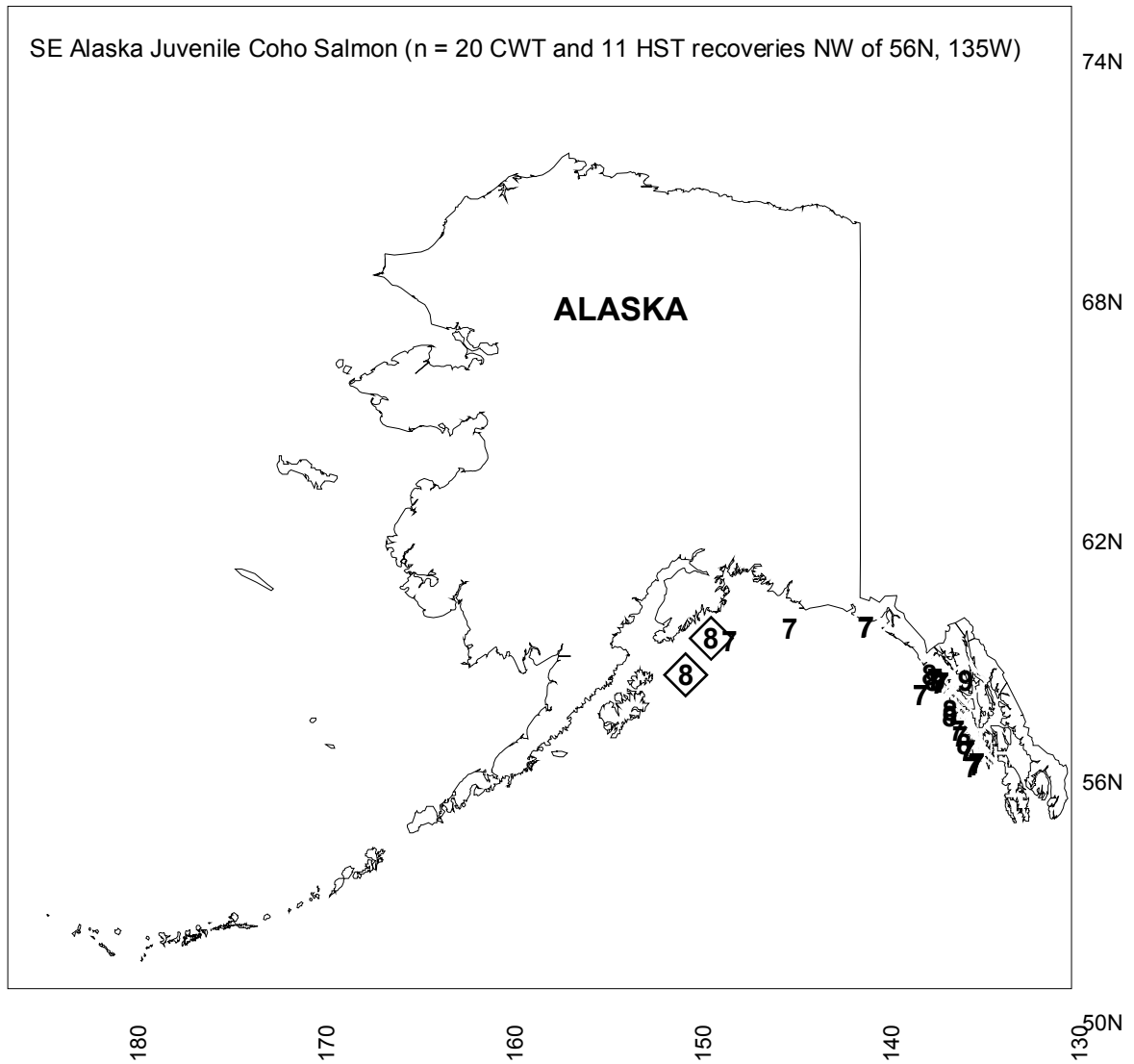


Fig. 7. Coded-wire tag (CWT) recovery and high seas tag (HST) release locations of juvenile (ocean age-0) southeastern Alaska coho salmon in the Gulf of Alaska. The numbers indicate the month of CWT recovery or HST release. The open diamonds indicate two new recoveries at  $58^{\circ}22'N$ ,  $150^{\circ}16'W$  and  $59^{\circ}17'N$ ,  $148^{\circ}55'W$  that are western range extensions for juvenile southeastern Alaska coho salmon in the coastal Gulf of Alaska.

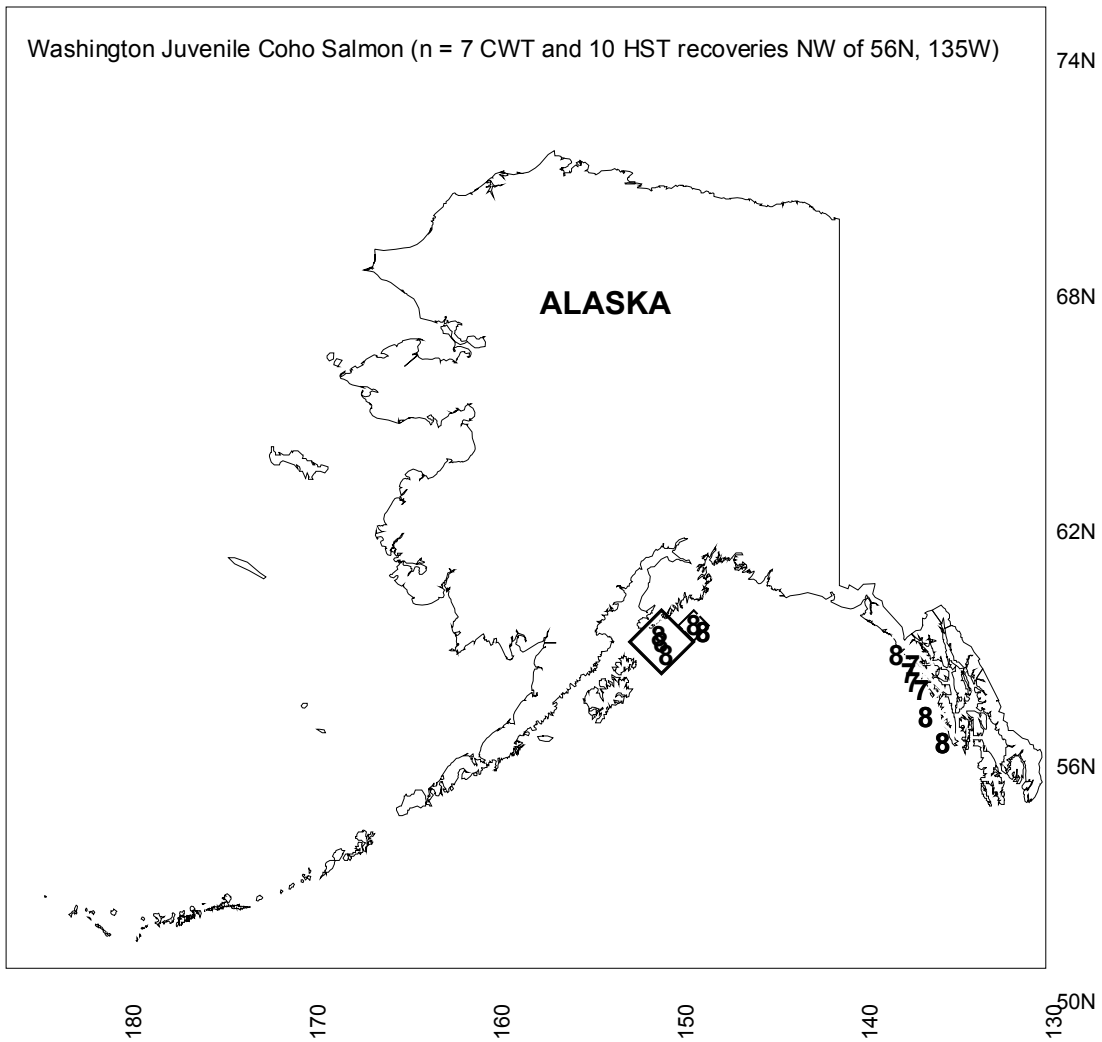


Fig. 8. Coded-wire tag (CWT) recovery and high seas tag (HST) release locations of juvenile (ocean age-0) Washington coho salmon in the Gulf of Alaska. The numbers indicate the month of CWT recovery or HST release. The open diamonds indicate four new CWT recoveries ( $59^{\circ}00'N$ ,  $150^{\circ}49'W$ ;  $58^{\circ}51'N$ ,  $150^{\circ}42'W$ ;  $58^{\circ}32'N$ ,  $150^{\circ}25'W$ ; and  $59^{\circ}17'N$ ,  $148^{\circ}55'W$ ) that are western range extensions for juvenile Washington coho salmon in the coastal Gulf of Alaska.

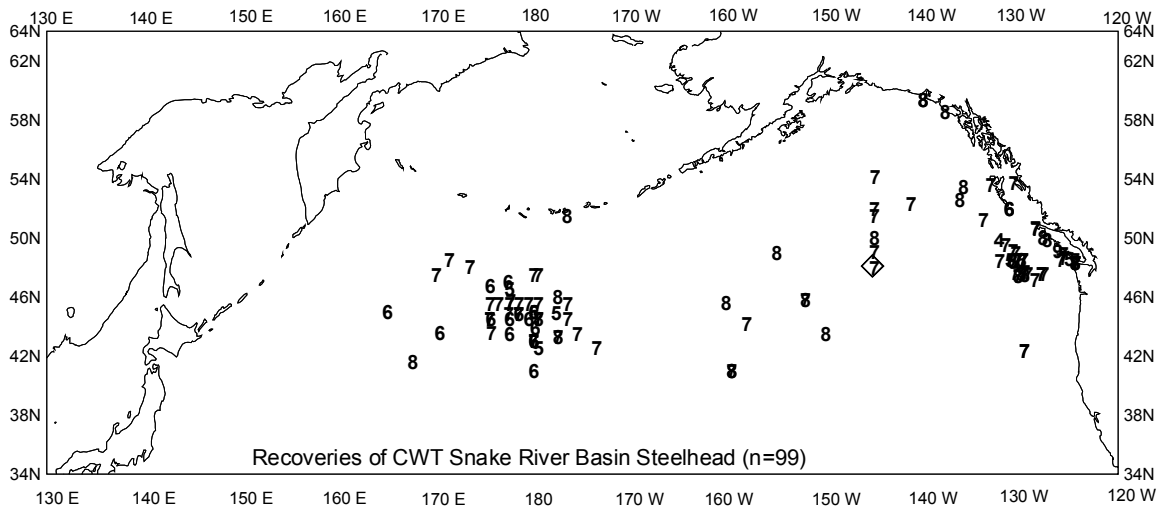


Fig. 9. Recovery locations of coded-wire tagged (CWT) Snake River Basin steelhead in the North Pacific Ocean. The numbers indicate the month of recovery. The open diamond shows the location of the only new high seas recovery of a CWT steelhead reported in this document. This is the southernmost recovery of this stock along 145°W longitude, which is currently the only survey line for high seas recovery of CWT salmonids in this vast region of the North Pacific Ocean.

Table 1. Release and recovery information for coded-wire tagged salmon caught in U.S. commercial groundfish trawl fisheries for walleye pollock *Theragra chalcogramma* in the Bering Sea and Gulf of Alaska and Pacific hake *Merluccius productus* along the US West Coast. All recoveries in the table are reported for the first time (1 September 2000 - 31 August 2001 reporting period). Rearing type: HATCH=Hatchery, MIX=Mixed hatchery and wild. State: AK=Alaska, BC=British Columbia, CA=California, ID=Idaho, OR=Oregon, WA=Washington, YT=Yukon Territory. TSFT=Tip of snout to fork of tail length. Wt.=whole body weight. Sex: M=male, F=female.

Release Information												Recovery Information									
Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yymmdd)	Recovery date (yymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSFT (mm)	Wt. (gm)	Sex	Fishery Region		
<b>Bering Sea</b>																					
182823	CHINOO K	S-YUKON R	Spring	HATCH	95	YUKN	YUKN	R-FOX CR	YT	CDFO	960604	980329		58 56	178 6 W	650	3310	F	BERING SEA		
182554	CHINOO K	S-YUKON R	Land-locked	HATCH	96	YUKN	YUKN	R-MITCHIE CR	YT	CDFO	970611	000316		55 56	168 52 W	550	2080		BERING SEA		
312428	CHINOO K	SHIP CR	Spring	HATCH	94	CNAK	COOK	SHIP CR 247-50	AK	ADFG	950607	981008		56 33	165 4 W	910	8240	F	BERING SEA		
312635	CHINOO K	NINILCHIK R 244-20	Spring	HATCH	97	CNAK	COOK	NINILCHIK R 244-20	AK	ADFG	980615	001125		52 0	171 54 W	700	4630		BERING SEA		
182731	CHINOO K	S-NICOLA R	Spring	HATCH	95	FRTH	TOMM	R-NICOLA R	BC	CDFO	970507	981021		54 11	166 20 W	540	2500	M	BERING SEA		
183356	CHINOO K	S-BABINE R	Summer	HATCH	96	NASK	SKNA	R-BABINE R	BC	CDFO	980504	010305		56 30	167 58 W	780	7300	F	BERING SEA		
092160	CHINOO K	MCKENZIE R	Spring	HATCH	96	LOCR	WILL	MCKENZIE R-1	OR	ODFW	980305	000914		56 25	163 50 W	680		M	BERING SEA		
0401010307	CHUM	NEETS BAY	Summer	HATCH	97	SEAK	SEAK	NAKAT INLET 101-11	AK	SSRA	980415	000922		56 11	166 21 W	510	1700		BERING SEA		
<b>Gulf of Alaska</b>																					
312620	CHINOO K	DECEPTION CR 247-41		HATCH	98	CNAK	COOK	DECEPTION CR 247-41	AK	ADFG	990617	001018		53 42	164 32 W	470	1200		GULF OF ALASKA		
312434	CHINOO K	DECEPTION CR 247-41	Spring	HATCH	94	CNAK	COOK	DECEPTION CR 247-41	AK	ADFG	950525	960906		56 40	155 20 W	430	1300	M	GULF OF ALASKA		
312629	CHINOO K	HOMER (CROOKED CR)	Spring	HATCH	97	CNAK	COOK	CROOKED CR 244-30	AK	ADFG	980604	000829		58 5	150 49 W	600	3500	M	GULF OF ALASKA		
040152	CHINOO K	KETCHIKAN CR	Spring	HATCH	97	SEAK	SEAK	KETCHIKAN CR 101-47	AK	KTHC	990510	001001		58 7	150 42 W	530	2100		GULF OF ALASKA		
040239	CHINOO K	WHITMAN LK		HATCH	97	SEAK	SEAK	HERRING COVE 101-45	AK	SSRA	990519	010214		58 1	153 37 W	620	3300		GULF OF ALASKA		
044049	CHINOO K	WHITMAN LK	Spring	HATCH	92	SEAK	SEAK	CARROLL INLET 101-45	AK	SSRA	940519	960909		57 45	154 3 W	810	8100		GULF OF ALASKA		
044108	CHINOO K	HIDDEN FALLS	Spring	HATCH	92	SEAK	SEAK	KASNYKU BAY 112-11	AK	NSRA	940528	961006		57 0	154 0 W	800	9400	F	GULF OF ALASKA		
044532	CHINOO K	CRYSTAL CR	Spring	HATCH	95	SEAK	SEAK	EARL WEST COV 107-40	AK	ADFG	970528	000210		58 4	153 35 W	660	6600		GULF OF ALASKA		
044637	CHINOO K	TAKU R 111-32	Spring	WILD	96	SEAK	SEAK	TAKU R 111-32	AK	ADFG	980515	001001		58 7	150 42 W	660	4300		GULF OF ALASKA		

Release Information												Recovery Information							
Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yyymmdd)	Recovery date (yyymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSF T (mm)	Wt. (gm)	Sex	Fishery Region
044662	CHINOOK	CRYSTAL CR	Spring	HATCH	96	SEAK	SEAK	CRYSTAL CR 106-44	AK	ADFG	980526	000825		58 8	150 54 W	670	4500		GULF OF
044701	CHINOOK	HIDDEN FALLS	Spring	HATCH	95	SEAK	SEAK	BEAR COVE 113-41	AK	NSRA	970520	000207		58 4	153 37 W	810	7400		GULF OF
044701	CHINOOK	HIDDEN FALLS	Spring	HATCH	95	SEAK	SEAK	BEAR COVE 113-41	AK	NSRA	970520	000204		58 5	153 35 W	784	7200		GULF OF
044709	CHINOOK	CRYSTAL CR	Spring	HATCH	96	SEAK	SEAK	EARL WEST COV 107-40	AK	ADFG	980524	000206		58 5	153 53 W	620	3000		GULF OF
044709	CHINOOK	CRYSTAL CR	Spring	HATCH	96	SEAK	SEAK	EARL WEST COV 107-40	AK	ADFG	980524	000124		57 57	152 14 W	620	3300		GULF OF
044709	CHINOOK	CRYSTAL CR	Spring	HATCH	96	SEAK	SEAK	EARL WEST COV 107-40	AK	ADFG	980524	000731		58 20	151 0 W	640	4000		GULF OF
044709	CHINOOK	CRYSTAL CR	Spring	HATCH	96	SEAK	SEAK	EARL WEST COV 107-40	AK	ADFG	980524	000206		58 5	153 35 W	590	2600		GULF OF
044713	CHINOOK	UNUK R 101-75		WILD	96	SEAK	SEAK	UNUK R 101-75	AK	ADFG	971012	001019	610			810	8000	F	GULF OF
044713	CHINOOK	UNUK R 101-75		WILD	96	SEAK	SEAK	UNUK R 101-75	AK	ADFG	971012	000731		58 20	151 0 W	630	3500	F	GULF OF
044817	CHINOOK	HIDDEN FALLS	Spring	HATCH	96	SEAK	SEAK	KASNYKU BAY 112-11	AK	NSRA	980529	000821		58 17	151 2 W	660	4800	F	GULF OF
044817	CHINOOK	HIDDEN FALLS	Spring	HATCH	96	SEAK	SEAK	KASNYKU BAY 112-11	AK	NSRA	980529	000829	630			640	4900		GULF OF
044820	CHINOOK	HIDDEN FALLS	Spring	HATCH	96	SEAK	SEAK	BEAR COVE 113-41	AK	NSRA	980526	000204		58 5	153 35 W	610	2900		GULF OF
044829	CHINOOK	MEDVEJIE		HATCH	97	SEAK	SEAK	BEAR COVE 113-41	AK	NSRA	990519	010127		57 57	152 14 W	630	3000		GULF OF
044830	CHINOOK	HIDDEN FALLS	Spring	HATCH	96	SEAK	SEAK	BEAR COVE 113-41	AK	NSRA	980526	000827		58 3	150 44 W	620	4000	F	GULF OF
044854	CHINOOK	MEDVEJIE		HATCH	97	SEAK	SEAK	BEAR COVE 113-41	AK	NSRA	990519	010127		57 57	152 14 W	540	2400		GULF OF
045003	CHINOOK	WHITMAN LK	Spring	HATCH	96	SEAK	SEAK	NEETS BAY 101-90	AK	ADFG	980526	000124		57 57	152 14 W	640	4300		GULF OF
045003	CHINOOK	WHITMAN LK	Spring	HATCH	96	SEAK	SEAK	NEETS BAY 101-90	AK	ADFG	980526	000205		58 10	153 25 W	630	2100		GULF OF
471727	CHINOOK	TAMGAS CR	Spring	HATCH	95	SEAK	SEAK	TAMGAS CR	AK	MIC	970519	981011		56 38	155 26 W	610	3100	F	GULF OF
471735	CHINOOK	TAMGAS CR	Spring	HATCH	96	SEAK	SEAK	TAMGAS CR	AK	MIC	980514	000123		58 1	152 24 W	620	3800		GULF OF
500437	CHINOOK	GASTINEAU	Spring	HATCH	96	SEAK	SEAK	AUKE BAY 111-50	AK	DIPC	980528	000827		58 3	150 44 W	660	5000	M	GULF OF
181230	CHINOOK	S-ATNARKO R UP	Summer	HATCH	94	COBC	CCST	R-ATNARKO R UP	BC	CDFO	950607	970125		57 1	152 27 W	500	1520	F	GULF OF
183150	CHINOOK	S-SHUSWAP R MID	Summer	HATCH	98	FRTH	TOMF	R-SHUSWAP R MID	BC	CDFO	990518	001006		58 10	151 7 W	520	2000		GULF OF
183152	CHINOOK	S-SHUSWAP R MID	Summer	HATCH	98	FRTH	TOMF	R-SHUSWAP R MID	BC	CDFO	990518	001005		58 10	151 8 W	520	2000		GULF OF

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184216	CHINOOK	S-SHUSWAP R LOW	Summer	HATCH	97	FRTH	TOMF	R-SHUSWAP R LOW	BC	CDFO	980522	000829	630			W	640	460		GULF OF	
182863	CHINOOK	S-NICOLA R	Spring	HATCH	96	FRTH	TOMM	R-NICOLA R	BC	CDFO	980430	001004		57 29	151 26 W	700	5400	F		GULF OF	
183863	CHINOOK	S-NICOLA R	Spring	HATCH	97	FRTH	TOMM	R-NICOLA R	BC	CDFO	990422	000828		58 6	150 44 W	460	2900			GULF OF	
183234	CHINOOK	S-DOME CR	Spring	HATCH	97	FRTH	UPFR	R-DOME CR	BC	CDFO	990416	010309		55 18	165 6 W	610	2700			GULF OF	
021010	CHINOOK	S-KITSUMKALUM R	Summer	HATCH	91	NASK	SKNA	R-KITSUMKALUM R LOW	BC	CDFO	9205	960925		56 45	154 29 W	940	14000	M		GULF OF ALASKA	
182754	CHINOOK	S-KITSUMKALUM R	Summer	HATCH	96	NASK	SKNA	R-KITSUMKALUM R	BC	CDFO	970620	001011	610			W	790	8600	F		GULF OF ALASKA
182755	CHINOOK	S-KITSUMKALUM R	Summer	HATCH	96	NASK	SKNA	R-KITSUMKALUM R	BC	CDFO	980427	001020	610			W	790	7300			GULF OF ALASKA
182809	CHINOOK	S-KITSUMKALUM R	Summer	HATCH	97	NASK	SKNA	R-KITSUMKALUM R UP	BC	CDFO	980521	000304		58 5	153 35 W	548	2000			GULF OF ALASKA	
183209	CHINOOK	S-BULKLEY R UP	Spring	HATCH	96	NASK	SKNA	R-BULKLEY R UP	BC	CDFO	980505	010302		52 56	156 48 W	790	6940	M		GULF OF	
183211	CHINOOK	S-BULKLEY R UP	Spring	HATCH	96	NASK	SKNA	R-BULKLEY R UP	BC	CDFO	980505	000829		58 5	150 49 W	690	4900	M		GULF OF	
183308	CHINOOK	S-KITSUMKALUM R	Summer	HATCH	97	NASK	SKNA	R-KITSUMKALUM R UP	BC	CDFO	980521	010127		57 57	152 14 W	520	1900			GULF OF ALASKA	
183356	CHINOOK	S-BABINE R	Summer	HATCH	96	NASK	SKNA	R-BABINE R	BC	CDFO	980504	000827		58 3	150 44 W	710	5900			GULF OF	
181954	CHINOOK	S-CONUMA R	Fall	HATCH	94	WCVI	NWVI	R-CONUMA R	BC	CDFO	950524	980312		54 50	164 51 W	680	3800	F		GULF OF	
181350	CHINOOK	S-NITINAT R	Fall	HATCH	95	WCVI	SWVI	R-NITINAT R	BC	CDFO	960612	990215		57 44	154 53 W	600	3000	M		GULF OF	
181458	CHINOOK	S-ROBERTSON CR	Fall	HATCH	94	WCVI	SWVI	R-ROBERTSON CR	BC	CDFO	950610	970130		57 12	152 27 W	580	2500	M		GULF OF ALASKA	
182725	CHINOOK	S-NITINAT R	Fall	HATCH	98	WCVI	SWVI	R-NITINAT LK	BC	CDFO	990609	010203		57 43	154 2 W	510	1600			GULF OF	
183157	CHINOOK	S-ROBERTSON CR	Fall	HATCH	97	WCVI	SWVI	R-BARKLEY SOUND	BC	CDFO	980525	000210		58 23	153 7 W	420	1600	F		GULF OF ALASKA	
183432	CHINOOK	S-ROBERTSON CR	Fall	HATCH	98	WCVI	SWVI	R-ROBERTSON CR	BC	CDFO	990602	010225		57 34	154 50 W	590	2650	M		GULF OF ALASKA	
183910	CHINOOK	S-TRANQUILLE CR	Fall	HATCH	97	WCVI	SWVI	R-TRANQUILLE EST	BC	CDFO	980529	000227		58 4	153 37 W	520	1800			GULF OF	

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183910	CHINOOK	S-TRANQUILLE CR	Fall	HATCH	97	WCVI	SWVI	R-TRANQUILLE EST	BC	CDFO	980529	000210		58 23	153 7 W	440	1600	M	GULF OF		
183910	CHINOOK	S-TRANQUILLE CR	Fall	HATCH	97	WCVI	SWVI	R-TRANQUILLE EST	BC	CDFO	980529	000210		58 4	153 35 W	490	1400		GULF OF		
183910	CHINOOK	S-TRANQUILLE CR	Fall	HATCH	97	WCVI	SWVI	R-TRANQUILLE EST	BC	CDFO	980529	000712		58 19	153 11 W	520	1900		GULF OF		
092705	CHINOOK	WASHINGTON BRIGHTS	Fall	HATCH	98	CECR		UMATILLA R	OR	ODFW	990603	001001		57 26	151 22 W	510	2300	M	GULF OF		
091718	CHINOOK	M WILLAMETTE R	Spring	HATCH	95	LOCR		TONGUE PT. LOWER COL	OR	ODFW	970404	990405		58 21	149 16 W	640	3240	F	GULF OF ALASKA		
092519	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR		SANDY R	OR	ODFW	990310	000820		57 29	151 23 W	600	5600	F	GULF OF		
092519	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR		SANDY R	OR	ODFW	990310	000825		58 5	150 47 W	650	3200		GULF OF		
092519	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR		SANDY R	OR	ODFW	990310	010214		58 1	153 37 W	650	3500		GULF OF		
071153	CHINOOK	S SANTIAM R	Spring	HATCH	94	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	951109	970201		58 2	152 31 W	520	1800	F	GULF OF		
092229	CHINOOK	MCKENZIE R	Spring	HATCH	96	LOCR	WILL	WILLAMETTE R-1	OR	ODFW	971106	990214		57 32	154 39 W	500	1900	F	GULF OF		
092230	CHINOOK	MCKENZIE R	Spring	HATCH	96	LOCR	WILL	WILLAMETTE R-1	OR	ODFW	971106	990215		57 43	154 12 W	510	1900	M	GULF OF		
092319	CHINOOK	N SANTIAM R	Spring	HATCH	96	LOCR	WILL	SANTIAM R & N FK-1	OR	ODFW	980303	000207		58 4	153 37 W	560	2300		GULF OF		
092320	CHINOOK	N SANTIAM R	Spring	HATCH	96	LOCR	WILL	SANTIAM R & N FK-1	OR	ODFW	980303	000207		58 4	153 37 W	590	2300		GULF OF		
092446	CHINOOK	MCKENZIE R	Spring	HATCH	97	LOCR	WILL	MCKENZIE R-1	OR	ODFW	990310	000828		58 6	150 44 W	620	4200	F	GULF OF		
092452	CHINOOK	MCKENZIE R	Spring	HATCH	97	LOCR	WILL	MCKENZIE R-1	OR	ODFW	990310	000211		58 25	153 4 W	410	1500	M	GULF OF		
092508	CHINOOK	MCKENZIE R	Spring	HATCH	97	LOCR	WILL	WILLAMETTE R-1	OR	ODFW	981103	000201		58 10	153 26 W	480	1800	F	GULF OF		
092511	CHINOOK	M WILLAMETTE R	Spring	HATCH	97	LOCR	WILL	FALL CR - WILLAMETTE	OR	ODFW	990303	010127		57 11	152 26 W	648	3200		GULF OF ALASKA		
092513	CHINOOK	S SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	990415	000816		57 36	151 34 W	620	4300	M	GULF OF		
092513	CHINOOK	S SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	990415	010128	630		W	640	3150		GULF OF		
092514	CHINOOK	M WILLAMETTE R	Spring	HATCH	97	LOCR	WILL	WILLAMETTE R, MID FK	OR	ODFW	981103	000827		58 3	150 44 W	620	3600	M	GULF OF ALASKA		
092521	CHINOOK	M WILLAMETTE R	Spring	HATCH	97	LOCR	WILL	WILLAMETTE R, MID FK	OR	ODFW	990205	000127		58 2	153 40 W	450	1100		GULF OF ALASKA		

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092524	CHINOOK	S SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	990322	000829	630		W	610	3600		GULF OF
092627	CHINOOK	S SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	981102	000825		58 8	150 54 W	610	3100		GULF OF
092627	CHINOOK	S SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	981102	000823	630		W	630	3800	F	GULF OF
092627	CHINOOK	S SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R, S FK	OR	ODFW	981102	010127		57	152 W	720	5150		GULF OF
092630	CHINOOK	MCKENZIE R	Spring	HATCH	97	LOCR	WILL	MCKENZIE R-1	OR	ODFW	990210	010226		57 13	152 26 W	699	5830		GULF OF
092630	CHINOOK	MCKENZIE R	Spring	HATCH	97	LOCR	WILL	MCKENZIE R-1	OR	ODFW	990210	001005		58 10	151 8 W	590	3100		GULF OF
092631	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR	WILL	CLACKAMAS R	OR	ODFW	990317	000829	630		W	620	3900		GULF OF
092631	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR	WILL	CLACKAMAS R	OR	ODFW	990317	000731		58 20	151 0 W	590	2900		GULF OF
092632	CHINOOK	N SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R & N FK-1	OR	ODFW	990312	010128	630		W	742	6190	F	GULF OF
092632	CHINOOK	N SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R & N FK-1	OR	ODFW	990312	010208		55 20	164 54 W	635	3240	F	GULF OF
092905	CHINOOK	MCKENZIE R	Spring	HATCH	98	LOCR	WILL	WILLAMETTE R AT PORT	OR	ODFW	991104	001014	610		W	450	1300		GULF OF
092905	CHINOOK	MCKENZIE R	Spring	HATCH	98	LOCR	WILL	WILLAMETTE R AT PORT	OR	ODFW	991104	010204		57 58	152 36 W	520	1800		GULF OF
091856	CHINOOK	SILETZ R (SILETZ HT)	Fall	HATCH	97	NOOR		YAQUINA R	OR	ODFW	980814	000829	630		W	560	2700		GULF OF
091856	CHINOOK	SILETZ R (SILETZ HT)	Fall	HATCH	97	NOOR		YAQUINA R	OR	ODFW	980814	001001		57 26	151 22 W	590	3600	F	GULF OF
091901	CHINOOK	TRASK R (TRASK HT)	Winter	HATCH	97	NOOR		TRASK R	OR	ODFW	980818	000731		58 20	151 0 W	640	3500		GULF OF
092447	CHINOOK	SALMON R	Fall	HATCH	97	NOOR		SALMON R/OR - COAST	OR	ODFW	980817	000731		58 20	151 0 W	640	3800		GULF OF
092447	CHINOOK	SALMON R	Fall	HATCH	97	NOOR		SALMON R/OR - COAST	OR	ODFW	980817	000211		58 19	153 11 W	490	1700	M	GULF OF
092817	CHINOOK	SALMON R	Fall	HATCH	98	NOOR		SALMON R/OR - COAST	OR	ODFW	990820	000829	630		W	450	1790		GULF OF
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000826		58 4	150 42 W	630	3900		GULF OF
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000823		58 7	150 53 W	600	3100		GULF OF
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000829	630		W	600	4300		GULF OF
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000826		58 4	150 42 W	650	4800		GULF OF
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000709		58 35	148 30 W	700	4500	M	GULF OF

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092449	CHINOOK	ELK R (ELK RHT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000709		58 42	149 11 W	590	2700	F	GULF OF		
092449	CHINOOK	ELK R (ELK RHT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000802		58 24	151 7 W	630	4500		GULF OF		
636007	CHINOOK	SNAKE +PRIEST RAPIDS	Fall	HATCH	95	CECR	KLIC	KLICKITAT R 30.0002	WA	WDFW	960531	990413		55 25	155 56 W	640	2940	F	GULF OF ALASKA		
636063	CHINOOK	KALAMA R 27.0002	Spring	HATCH	95	LOCR	LEWI	KALAMA R 27.0002	WA	WDFW	970414	990810		58 37	148 50 W	750	7100	F	GULF OF		
210128	CHINOOK	QUINAULT R 21.0398	Fall	HATCH	97	NWC	QEQU	QUINAULT LAKE (21)	WA	QDNR	980901	000825		58 8	150 54 W		3500		GULF OF		
210128	CHINOOK	QUINAULT R 21.0398	Fall	HATCH	97	NWC	QEQU	QUINAULT LAKE (21)	WA	QDNR	980901	000318		58 2	153 42 W	410	1000		GULF OF		
212961	CHINOOK	QUEETS R 21.0016	Fall	HATCH	96	NWC	QEQU	SALMON R 21.0139	WA	QDNR	970802	990215		57 44	154 15 W	490	1700	M	GULF OF		
212961	CHINOOK	QUEETS R 21.0016	Fall	HATCH	96	NWC	QEQU	SALMON R 21.0139	WA	QDNR	970802	000724		58 32	149 0 W	760	6100		GULF OF		
213001	CHINOOK	QUEETS R 21.0016	Fall	HATCH	98	NWC	QEQU	SALMON R 21.0139	WA	QDNR	990730	001005		58 10	151 8 W	440	1300		GULF OF		
213003	CHINOOK	QUEETS R 21.0016	Fall	HATCH	97	NWC	QEQU	SALMON R 21.0139	WA	QDNR	980728	000826		58 4	150 42 W	530	2100		GULF OF		
635155	CHINOOK	WELLS DAM (47)	Summer	HATCH	92	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	940407	961009		57 48	154 3 W	730	5400	F	GULF OF		
630603	CHINOOK	COLUMBIA R - MID	Late Fall	WILD	97	UPCR	UPCRG	HANFORD REACH (36)	WA	WDFW	980606	000210		58 4	153 35 W	420	900		GULF OF		
630124	CHINOOK	WELLS HATCHERY	Summer	HATCH	96	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	980505	001001		58 4	150 18 W	780	9020		GULF OF		
630134	CHINOOK	WELLS HATCHERY	Summer	HATCH	96	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	980424	000828		58 6	150 44 W	690	4700		GULF OF		
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000828		58 6	150 44 W	580	2900		GULF OF		
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000829	630			570	3300		GULF OF		
<b>US West Coast</b>																					
182256	CHINOOK	S-HARRISON R	Fall	HATCH	95	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	960421	990522		47 43	125 7 W	800	7640		US WEST COAST		
182257	CHINOOK	S-HARRISON R	Fall	HATCH	95	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	960609	990716		48 13	125 4 W	800	7850	F	US WEST COAST		
182262	CHINOOK	S-CHILLIWACK R	Fall	HATCH	95	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	960607	000714		48 8	124 57 W	800	7480	F	US WEST COAST		
182847	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	970522	990710		48 12	124 57 W	650	3640	F	US WEST COAST		

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182848	CHINOOK	S-HARRISON R	Fall	HATCH	96	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	970607	990718		48 10	125 0 W	620	3800	M	US WEST COAST
182848	CHINOOK	S-HARRISON R	Fall	HATCH	96	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	970607	990718		48 10	124 57 W	560	2170	M	US WEST COAST
182848	CHINOOK	S-HARRISON R	Fall	HATCH	96	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	970607	990607		47 43	124 58 W	930	4800		US WEST COAST
182856	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	970610	000530		47 20	124 42 W	810	6540	F	US WEST COAST
182856	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	970610	990717		48 13	125 2 W	680	3790	F	US WEST COAST
182857	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	970602	990716		48 12	124 57 W	590	2530	M	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	000530		47 32	124 48 W	860	7950		US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	000529		47 34	124 52 W	840	8300	F	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990606		48 17	124 55 W	680	4600	M	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990718		48 10	124 57 W	620	3400	M	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990718		48 11	124 58 W	600	2780	F	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990718		48 6	124 59 W	610	2490	F	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990718		48 11	124 58 W	760	6700	M	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990718		48 11	124 58 W	590	2770	F	US WEST COAST
182858	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	FRTH	LWFR	R-STAVE R	BC	CDFO	970604	990718		48 6	124 59 W	680	3840	M	US WEST COAST

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Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yyymmdd)	Recovery date (yyymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSF T (mm)	Wt. (gm)	Sex	Fishery Region
183353	CHINOOK	S-CHILLIWACK R	Fall	HATCH	97	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	980526	000524		48 17	125 1 W	540	1826		US WEST COAST
183353	CHINOOK	S-CHILLIWACK R	Fall	HATCH	97	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	980526	000714		48 9	124 56 W	570	1900	F	US WEST COAST
183353	CHINOOK	S-CHILLIWACK R	Fall	HATCH	97	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	980526	990606		48 16	124 45 W	380	700		US WEST COAST
183354	CHINOOK	S-CHILLIWACK R	Fall	HATCH	97	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	980526	000524		48 17	125 2 W	580	2320	M	US WEST COAST
183354	CHINOOK	S-CHILLIWACK R	Fall	HATCH	97	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	980526	000919		48 3	125 0 W	700	4770		US WEST COAST
183902	CHINOOK	S-HARRISON R	Fall	HATCH	97	FRTH	LWFR	R-CHEHALIS R	BC	CDFO	980424	000505		48 17	125 2 W	490	1430	M	US WEST COAST
184044	CHINOOK	S-STAVE R	Fall	HATCH	98	FRTH	LWFR	R-STAVE R	BC	CDFO	990528	000520		48 8	125 21 W	670	7330	M	US WEST COAST
184044	CHINOOK	S-STAVE R	Fall	HATCH	98	FRTH	LWFR	R-STAVE R	BC	CDFO	990528	000714		48 8	124 57 W	480	1450	M	US WEST COAST
184046	CHINOOK	S-CHILLIWACK R	Fall	HATCH	98	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	990528	000723		47 27	124 40 W	410	740		US WEST COAST
184046	CHINOOK	S-CHILLIWACK R	Fall	HATCH	98	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	990528	000905		48 4	125 59 W	480	1470	F	US WEST COAST
184048	CHINOOK	S-CHILLIWACK R	Fall	HATCH	98	FRTH	LWFR	R-CHILLIWACK R	BC	CDFO	990528	000714		48 9	124 56 W	410	800	F	US WEST COAST
182238	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	GST	GSMN	R-CAPILANO R	BC	CDFO	970522	990607		47 40	124 58 W	920	4800	M	US WEST COAST
182239	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	GST	GSMN	R-CAPILANO R	BC	CDFO	970522	990606		48 17	124 55 W	510	1800	F	US WEST COAST
182240	CHINOOK	S-CHILLIWACK R	Fall	HATCH	96	GST	GSMN	R-CAPILANO R	BC	CDFO	970522	990718		48 11	124 58 W	600	2470	F	US WEST COAST
183045	CHINOOK	S-CAPILANO R	Fall	HATCH	97	GST	GSMN	R-CAPILANO R	BC	CDFO	980520	000520		48 8	125 24 W	540	1970	M	US WEST COAST

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0601060313	CHINOOK	FEATHER RIVER	Fall	HATCH	96	CECA	SFBA	SAN FRANCISCO MAJ.PT	CA	CDFG	970609	990621		46 24	124 33 W	600	2510	M	US WEST COAST
0601060315	CHINOOK	FEATHER RIVER	Fall	HATCH	96	CECA	SFBA	SAN FRANCISCO MAJ.PT	CA	CDFG	970609	990718		48 10	125 0 W	590	2330	F	US WEST COAST
062939	CHINOOK	AMERICAN RIVER	Fall	HATCH	98	CECA	SFBA	TIBURON NET PENS	CA	TYEE	990828	020523		43 6	124 43 W	580	2400	F	US WEST COAST
054242	CHINOOK	CAMP CREEK	Late Fall	HATCH	96	KLAM	KLAM	CAMP CREEK	CA	KRUK	971101	990523		46 59	125 2 W	650	4040		US WEST COAST
0601020302	CHINOOK	KLAMATH RIVER	Fall	HATCH	98	KLAM	KLAM	IRON GATE HATCHERY	CA	CDFG	990622	000530		47 26	124 45 W	350	530	F	US WEST COAST
062641	CHINOOK	TRINITY RIVER	Fall	HATCH	98	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	991013	010518		43 46	124 36 W	610	2600	F	US WEST COAST
062641	CHINOOK	TRINITY RIVER	Fall	HATCH	98	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	991013	010523		43 12	124 43 W	610	2600		US WEST COAST
065241	CHINOOK	TRINITY RIVER	Fall	HATCH	97	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	981007	000520		43 10	124 43 W	460	1100		US WEST COAST
065241	CHINOOK	TRINITY RIVER	Fall	HATCH	97	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	981007	000521		44 18	124 53 W	480	1220	F	US WEST COAST
065241	CHINOOK	TRINITY RIVER	Fall	HATCH	97	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	981007	010519		43 41	124 34 W	710	4800		US WEST COAST
065241	CHINOOK	TRINITY RIVER	Fall	HATCH	97	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	981007	010522		43 7	124 45 W	620	3120		US WEST COAST
065250	CHINOOK	TRINITY RIVER	Spring	HATCH	98	KLAM	TRIN	TRINITY R HATCHERY	CA	HVT	991013	010523		43 12	124 43 W	630	3500		US WEST COAST
052326	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	GRSU	PORT CHICAGO	CA	CDWR	990426	000530		47 26	124 45 W	460	1210		US WEST COAST
052327	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	GRSU	PORT CHICAGO	CA	CDWR	990426	000531		47 19	124 47 W	400	870	M	US WEST COAST
0601060901	CHINOOK	FEATHER RIVER	Spring	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990524	010521		43 41	124 30 W	610	3100		US WEST COAST

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0601060903	CHINOOK	FEATHER RIVER	Spring	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990604	000531		47 16	124 44 W	444	940	F	US WEST COAST
0601060906	CHINOOK	FEATHER RIVER	Spring	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990604	000530		47 31	124 47 W	370	200	M	US WEST COAST
0601060906	CHINOOK	FEATHER RIVER	Spring	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990604	010523		43 8	124 44 W	720	5490		US WEST COAST
060240	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	97	SACR	GRSU	CARQUINEZ STRAIT	CA	EBMD	980623	990717		48 13	125 2 W	410	840	F	US WEST COAST
060241	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	97	SACR	GRSU	CARQUINEZ STRAIT	CA	EBMD	980623	000530		47 25	124 45 W	490	1530	F	US WEST COAST
062634	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990611	000530		47 26	124 45 W	420	850	F	US WEST COAST
062636	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990611	000530		47 20	124 42 W	420	970		US WEST COAST
062638	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	GRSU	CROCKETT	CA	CDWR	990611	010522		43 13	124 13 W	730	5700		US WEST COAST
0601110502	CHINOOK	SAN JOAQ.R, AB BROAD	Fall	HATCH	97	SACR	MERC	HATFIELD STATE AREA	CA	CDFG	980505	000620		47 42	124 50 W	640	2450	M	US WEST COAST
060239	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	97	SACR	MOKE	NEW HOPE LANDING	CA	EBMD	980528	000530		47 32	124 48 W	510	1500	F	US WEST COAST
060239	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	97	SACR	MOKE	NEW HOPE LANDING	CA	EBMD	980528	000520		48 8	125 21 W	460	1200	M	US WEST COAST
060239	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	97	SACR	MOKE	NEW HOPE LANDING	CA	EBMD	980528	990604		48 21	125 2 W	420	900	M	US WEST COAST
064916	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	98	SACR	MOKE	NEW HOPE LANDING	CA	EBMD	990528	000530		47 25	124 44 W	420	900	M	US WEST COAST
0501021010	CHINOOK	COLEMAN NFH	Fall	HATCH	98	SACR	SACR	COLEMAN NFH	CA	FWS	990420	010528		43 20	124 43 W	530	1920		US WEST COAST
0501021011	CHINOOK	COLEMAN NFH	Fall	HATCH	98	SACR	SACR	COLEMAN NFH	CA	FWS	990420	010523		43 10	124 43 W	640	3340	M	US WEST COAST

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0501021404	CHINOOK	COLEMAN NFH	Fall	HATCH	99	SACR	SACR	COLEMAN NFH	CA	FWS	000414	010516		47 34	124 53 W	400	800		US WEST COAST
052316	CHINOOK	COLEMAN NFH	Late Fall	HATCH	98	SACR	SACR	COLEMAN NFH	CA	FWS	981215	000531		47 21	124 43 W	440	1070	F	US WEST COAST
052324	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	SACR	WEST SACRAMENTO	CA	CDWR	990430	010516		43 41	124 34 W	620	3300		US WEST COAST
052325	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	SACR	WEST SACRAMENTO	CA	CDWR	990430	000906		48 11	124 58 W	520	1660	M	US WEST COAST
052415	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	SACR	RYDE-KOKET	CA	CDWR	990428	000531		47 15	124 42 W	420	970	M	US WEST COAST
052416	CHINOOK	FEATHER RIVER	Fall	HATCH	98	SACR	SACR	WEST SACRAMENTO	CA	CDWR	990415	000620		47 35	124 49 W	410	810	F	US WEST COAST
054231	CHINOOK	COLEMAN NFH	Late Fall	HATCH	96	SACR	SACR	MILLER PARK	CA	FWS	961202	000519		43 27	124 32 W	790	5880	M	US WEST COAST
055141	CHINOOK	COLEMAN NFH	Late Fall	HATCH	99	SACR	SACR	COLEMAN NFH	CA	FWS	991209	010522		43 7	124 45 W	510	1780		US WEST COAST
055213	CHINOOK	COLEMAN NFH	Late Fall	HATCH	99	SACR	SACR	COLEMAN NFH	CA	FWS	000112	010521		43 27	124 36 W	500	1550		US WEST COAST
0601060410	CHINOOK	FEATHER RIVER	Fall	HATCH	97	SACR	SACR	FREMONT WEIR	CA	CDWR	980302	000520		48 1	124 59 W	660	4200		US WEST COAST
062644	CHINOOK	MERCED RIVER	Fall	HATCH	98	SACR	SJOA	MOSSDALE	CA	FWS	990419	000530		47 25	124 44 W	430	1040	F	US WEST COAST
064605	CHINOOK	MERCED RIVER	Fall	HATCH	98	SACR	SJOA	OLD FISHERMANS CLUB	CA	CDFG	990419	000905		48 15	124 55 W	520	1830		US WEST COAST
064922	CHINOOK	MOKELUMNE RIVER	Fall	HATCH	98	SACR	SJOA	SHERMAN ISL OP JERSY	CA	EBMD	990521	000703		48 13	124 55 W	430	1050	M	US WEST COAST
0601130202	CHINOOK	MOKELUMNE RIVER	Fall	WILD	97	SJOA	MOKE	WOODBIDGE	CA	EBMD	980610	990717		48 13	125 2 W	390	710	M	US WEST COAST
062645	CHINOOK	MERCED RIVER	Fall	HATCH	98	SJOA	SJOA	DOS REIS ROAD	CA	FWS	990419	000530		47 31	124 47 W	410	900	F	US WEST COAST

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064603	CHINOOK	MERCED RIVER	Fall	HATCH	98	SJOA	TUST	LA GRANGE	CA	CDFG	990419	000620		47 42	124 50 W	400	830	F	US WEST COAST
630454	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	97	SNAK	CLEA	CLWTR@BIG CANYON CRK	ID	NEZP	990415	000724		47 26	124 43 W	490	1850	M	US WEST COAST
630454	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	97	SNAK	CLEA	CLWTR@BIG CANYON CRK	ID	NEZP	990415	000524		48 16	125 3 W	500	1710	M	US WEST COAST
630454	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	97	SNAK	CLEA	CLWTR@BIG CANYON CRK	ID	NEZP	990415	000709		48 6	124 57 W	570	2700	M	US WEST COAST
630938	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	97	SNAK	CLEA	CLWTR@BIG CANYON CRK	ID	NEZP	990428	000714		48 9	124 56 W	450	1150	F	US WEST COAST
635316	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	96	SNAK	CLEA	CLWTR R, MAINSTEM	ID	NEZP	970613	000714		48 9	124 56 W	550	4000	M	US WEST COAST
635316	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	96	SNAK	CLEA	CLWTR R, MAINSTEM	ID	NEZP	970613	990718		48 11	124 58 W	550	2050	M	US WEST COAST
635316	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	96	SNAK	CLEA	CLWTR R, MAINSTEM	ID	NEZP	970613	990717		48 13	125 2 W	570	2190	F	US WEST COAST
630451	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	97	SNAK	UPSN	SNAKE R@PITT. LNDG	ID	NEZP	990415	010518		47 55	125 28 W	640	3190	F	US WEST COAST
092851	CHINOOK	DESCHUTES R	Spring	HATCH	98	CECR		DESCHUTES R-2/OR	OR	ODFW	000509	000717		47 8	124 36 W	300	320	M	US WEST COAST
092851	CHINOOK	DESCHUTES R	Spring	HATCH	98	CECR		DESCHUTES R-2/OR	OR	ODFW	000509	000906		48 6	125 0 W	360	550	F	US WEST COAST
092857	CHINOOK	DESCHUTES R	Spring	HATCH	98	CECR		HOOD R MID FK	OR	ODFW	000515	000713		48 15	124 1 W	310	340	F	US WEST COAST
071251	CHINOOK	BIG CREEK	Fall	HATCH	96	LOCR		BIG CR - L COL. R	OR	ODFW	970515	000530		47 35	124 51 W	880	9380		US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000530		47 31	124 50 W	350	540	F	US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000722		47 19	124 37 W	450	1180		US WEST COAST

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071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000530		47 25	124 44 W	402	800	F	US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000531		47 21	124 42 W	400	730	F	US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000620		47 31	124 46 W	420	940	F	US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000714		48 5	124 57 W	460	1100	F	US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000529		47 47	125 0 W	360	570		US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000722		47 30	124 39 W	460	1180		US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000714		48 12	124 55 W	480	1350	M	US WEST COAST
071253	CHINOOK	BIG CREEK		HATCH	98	LOCR		BIG CR - L COL. R	OR	ODFW	990524	000908		48 4	124 58 W	570	1560	M	US WEST COAST
092144	CHINOOK	COLE RIVERS	Fall	HATCH	96	LOCR		KLASKANINE R, N FK	OR	ODFW	971031	000530		47 20	124 39 W	660	4160	M	US WEST COAST
092442	CHINOOK	COLUMBIA R UPRIVER S	Fall	HATCH	98	LOCR		TANNER CR	OR	ODFW	990728	000722		47 20	124 36 W	390	740	F	US WEST COAST
092517	CHINOOK	COLE RIVERS	Fall	HATCH	97	LOCR		KLASKANINE R, N FK	OR	ODFW	980930	000520		43 10	124 43 W	570	2200	M	US WEST COAST
092519	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR		SANDY R	OR	ODFW	990310	000524		48 16	125 3 W	410	686	F	US WEST COAST
092753	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990802	000530		47 22	124 43 W	450	530		US WEST COAST
092753	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990802	000902		48 6	125 19 W	460	1190	M	US WEST COAST
092753	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990802	000620		47 42	124 50 W	640	2450	M	US WEST COAST

Release Information												Recovery Information							
Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yyymmdd)	Recovery date (yyymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSF T (mm)	Wt. (gm)	Sex	Fishery Region
092753	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990802	010518		43 26	124 36 W	570	2300		US WEST COAST
092753	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990802	010526		43 17	124 42 W	690	2790	F	US WEST COAST
092755	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	000529		47 33	124 52 W	370	620	M	US WEST COAST
092755	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	000530		47 31	124 49 W	350	520		US WEST COAST
092755	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	010614		43 26	124 36 W	633	3840		US WEST COAST
092756	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	000530		47 26	124 46 W	350	480	F	US WEST COAST
092756	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	000531		47 19	124 47 W	380	660	M	US WEST COAST
092756	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	000531		47 19	124 47 W	370	610	M	US WEST COAST
092757	CHINOOK	COLE RIVERS		HATCH	98	LOCR		YOUNGS R & BAY	OR	ODFW	990712	000530		47 24	124 45 W	380	640		US WEST COAST
092760	CHINOOK	COLE RIVERS	Fall	HATCH	98	LOCR		KLASKANINE R, N FK	OR	ODFW	990928	000530		47 22	124 43 W	320	410	F	US WEST COAST
092760	CHINOOK	COLE RIVERS	Fall	HATCH	98	LOCR		KLASKANINE R, N FK	OR	ODFW	990928	010612		42 46	124 47 W	580	2510		US WEST COAST
092511	CHINOOK	M WILLAMETTE R	Spring	HATCH	97	LOCR	WILL	FALL CR - WILLAMETTE	OR	ODFW	990303	000530		47 34	124 53 W	550	1780		US WEST COAST
092630	CHINOOK	MCKENZIE R	Spring	HATCH	97	LOCR	WILL	MCKENZIE R-1	OR	ODFW	990210	000520		48 8	125 21 W	560	2320		US WEST COAST
092631	CHINOOK	CLACKAMAS R EARLY	Spring	HATCH	97	LOCR	WILL	CLACKAMAS R	OR	ODFW	990317	000530		47 35	124 51 W	470	1200		US WEST COAST
092632	CHINOOK	N SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R & N FK-1	OR	ODFW	990312	000530		47 35	124 51 W	470	1340		US WEST COAST

Release Information											Recovery Information								
Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yyymmdd)	Recovery date (yyymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSF T (mm)	Wt. (gm)	Sex	Fishery Region
092633	CHINOOK	N SANTIAM R	Spring	HATCH	97	LOCR	WILL	SANTIAM R & N FK-1	OR	ODFW	990312	000910		48 20	125 2 W	580	2390	M	US WEST COAST
071138	CHINOOK	TRASK R (TRASK HT)	Spring	HATCH	95	NOOR		WILSON R	OR	ODFW	960819	000518		46 8	124 40 W	870	8240	F	US WEST COAST
092614	CHINOOK	IMNAHA R AND TRIBS.	Spring	HATCH	97	SNAK		IMNAHA R	OR	ODFW	990416	000530		47 26	124 46 W	580	2600	M	US WEST COAST
071118	CHINOOK	COW CR (S. UMPQUA)	Fall	HATCH	95	SOOR		UMPQUA R	OR	ODFW	960629	000620		47 42	124 51 W	900	10650		US WEST COAST
091857	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000531		47 16	124 44 W	519	1710	F	US WEST COAST
091860	CHINOOK	UMPQUA R (ROCK CR HT)	Spring	HATCH	97	SOOR		ROCK CR (N UMPQUA R)	OR	ODFW	990212	000531		47 16	124 44 W	610	2870	M	US WEST COAST
091860	CHINOOK	UMPQUA R (ROCK CR HT)	Spring	HATCH	97	SOOR		ROCK CR (N UMPQUA R)	OR	ODFW	990212	000723		47 27	124 40 W	580	2600		US WEST COAST
091860	CHINOOK	UMPQUA R (ROCK CR HT)	Spring	HATCH	97	SOOR		ROCK CR (N UMPQUA R)	OR	ODFW	990212	000714		48 9	124 56 W	550	1850		US WEST COAST
091908	CHINOOK	GARDNER CR (UMPQUA R)	Fall	HATCH	98	SOOR		UMPQUA R	OR	ODFW	990703	000722		47 20	124 36 W	450	1320	M	US WEST COAST
091927	CHINOOK	UMPQUA R (ROCK CR HT)	Spring	HATCH	98	SOOR		ROCK CR (N UMPQUA R)	OR	ODFW	991003	000531		47 19	124 42 W	370	700	M	US WEST COAST
091927	CHINOOK	UMPQUA R (ROCK CR HT)	Spring	HATCH	98	SOOR		ROCK CR (N UMPQUA R)	OR	ODFW	991003	000530		47 17	124 44 W	340	550	M	US WEST COAST
092123	CHINOOK	COW CR (S. UMPQUA)	Fall	HATCH	96	SOOR		UMPQUA R	OR	ODFW	970628	000708		48 14	124 55 W	670	4370	F	US WEST COAST
092153	CHINOOK	LOWER ROGUE R	Fall	HATCH	96	SOOR		ROGUE R-1	OR	ODFW	970808	000530		44 24	124 47 W	670	3740	F	US WEST COAST
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000523		48 20	125 3 W	510	1630	M	US WEST COAST
092449	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	97	SOOR		ELK RIVER	OR	ODFW	981013	000520		48 8	124 58 W	430	930	F	US WEST COAST

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092503	CHINOOK	COLE RIVERS	Spring	HATCH	97	SOOR		ROGUE R-4	OR	ODFW	981010	000530		47 32	124 46 W	530	1950	M	US WEST COAST
092636	CHINOOK	LOWER ROGUE R	Fall	HATCH	97	SOOR		ROGUE R-1	OR	ODFW	980731	000520		43 16	124 40 W	700	4640		US WEST COAST
092637	CHINOOK	LOWER ROGUE R	Fall	HATCH	97	SOOR		ROGUE R-1	OR	ODFW	980911	000530		47 24	124 45 W	510	1720	M	US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000722		47 20	124 36 W	400	810	F	US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000724		47 24	124 44 W	390	780		US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000530		47 19	124 42 W	450	1010	M	US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000530		47 34	124 51 W	350	530	F	US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000620		47 31	124 46 W	350	530	M	US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000905		48 3	125 1 W	460	1290	M	US WEST COAST
092810	CHINOOK	ELK R (ELK R HT)	Fall	HATCH	98	SOOR		ELK RIVER	OR	ODFW	991027	000905		48 6	124 58 W	410	890		US WEST COAST
092635	CHINOOK	BONNEVILLE POOL	Fall	HATCH	97	CECR	KLIC	KLICKITAT R 30.0002	WA	WDFW	980610	000714		48 9	124 56 W	670	4000	M	US WEST COAST
631022	CHINOOK	KLICKITAT R 30.0002	Spring	HATCH	98	CECR	KLIC	KLICKITAT R 30.0002	WA	WDFW	000331	010519		47 32	125 2 W	540	2140		US WEST COAST
0501021003	CHINOOK	COLUMBIA R BRIGHTS	Late Fall	HATCH	98	CECR	WIND	LTL WHITE SALMON@NFH	WA	FWS	990624	000530		47 17	124 44 W	340	540	M	US WEST COAST
054344	CHINOOK	SPRING CR 29.0159	Fall	HATCH	96	CECR	WIND	SPRING CR 29.0159	WA	FWS	970418	990717		48 3	125 2 W	590	2470	F	US WEST COAST
054348	CHINOOK	SPRING CR 29.0159	Fall	HATCH	97	CECR	WIND	SPRING CR 29.0159	WA	FWS	980313	000531		47 13	124 43 W	640	3670		US WEST COAST

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054351	CHINOOK	SPRING CR 29.0159	Fall	HATCH	97	CECR	WIND	SPRING CR 29.0159	WA	FWS	980515	000714		48 12	124 35 W	530	1880	F	US WEST COAST
054360	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990318	000529		47 41	124 59 W	430	1060		US WEST COAST
054361	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990318	000530		47 19	124 43 W	420	940	F	US WEST COAST
054361	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990318	000530		47 31	124 50 W	460	1500	M	US WEST COAST
054361	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990318	000724		47 29	124 39 W	540	2060	M	US WEST COAST
054362	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000714		48 8	124 52 W	440	970	F	US WEST COAST
054362	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000530		47 26	124 47 W	430	1040	F	US WEST COAST
054362	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000530		47 26	124 46 W	384	610		US WEST COAST
054362	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000530		47 32	124 46 W	410	810	F	US WEST COAST
054363	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000530		47 25	124 44 W	443	950	F	US WEST COAST
054363	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000531		47 13	124 43 W	390	720	M	US WEST COAST
054363	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000530		47 22	124 43 W	390	670		US WEST COAST
054363	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000530		47 22	124 43 W	390	760		US WEST COAST
054363	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000524		48 21	125 0 W	420	880	M	US WEST COAST
054363	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990422	000902		48 6	125 19 W	550	2000		US WEST COAST

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054404	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990513	000530		47 21	124 43 W	370	670	M	US WEST COAST
054404	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990513	000530		47 22	124 44 W	410	890		US WEST COAST
054404	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990513	000529		47 41	124 59 W	390	750		US WEST COAST
054405	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990513	000724		47 27	124 40 W	480	260		US WEST COAST
054405	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990513	000530		47 25	124 44 W	420	860	F	US WEST COAST
054405	CHINOOK	SPRING CR 29.0159	Fall	HATCH	98	CECR	WIND	SPRING CR 29.0159	WA	FWS	990513	000905		48 3	125 1 W	470	1240	F	US WEST COAST
630521	CHINOOK	BONNEVILLE POOL	Fall	HATCH	97	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	WDFW	980627	000530		47 22	124 43 W	650	3420	M	US WEST COAST
630606	CHINOOK	WELLS DAM (47)	Summer	MIX	97	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	COOP	990421	000724		47 26	124 43 W	510	1750	F	US WEST COAST
630606	CHINOOK	WELLS DAM (47)	Summer	MIX	97	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	COOP	990421	000520		48 8	125 23 W	530	1020	F	US WEST COAST
630606	CHINOOK	WELLS DAM (47)	Summer	MIX	97	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	COOP	990421	000908		48 2	124 58 W	510	1670	F	US WEST COAST
631011	CHINOOK	BONNEVILLE POOL	Fall	HATCH	98	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	WDFW	990622	000919		48 3	125 0 W	520	2050		US WEST COAST
631032	CHINOOK	WELLS HATCHERY	Summer	HATCH	98	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	WDFW	000422	010518		47 46	125 13 W	450	1230		US WEST COAST
634129	CHINOOK	WELLS HATCHERY	Summer	HATCH	95	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	WDFW	970418	000619		48 22	125 14 W	920	11000	F	US WEST COAST
634130	CHINOOK	WELLS HATCHERY	Summer	HATCH	95	CRGN	CRGNG	COLUMBIA R - GENERAL	WA	WDFW	970418	000619		48 21	125 14 W	870	8730	F	US WEST COAST
630140	CHINOOK	FINCH CR 16.0222	Fall	HATCH	96	HOOD	SKDO	FINCH CR 16.0222	WA	WDFW	980410	990716		48 12	124 52 W	600	2610	F	US WEST COAST

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630148	CHINOOK	GEORGE ADAMS (PURDY)	Fall	HATCH	96	HOOD	SKDO	PURDY CR 16.0005	WA	WDFW	970516	000703		48 13	124 56 W	630	3000	F	US WEST COAST
630148	CHINOOK	GEORGE ADAMS (PURDY)	Fall	HATCH	96	HOOD	SKDO	PURDY CR 16.0005	WA	WDFW	970516	000520		48 8	125 21 W	510	2860	F	US WEST COAST
630148	CHINOOK	GEORGE ADAMS (PURDY)	Fall	HATCH	96	HOOD	SKDO	PURDY CR 16.0005	WA	WDFW	970516	990604		48 21	125 2 W	530	1700	F	US WEST COAST
630148	CHINOOK	GEORGE ADAMS (PURDY)	Fall	HATCH	96	HOOD	SKDO	PURDY CR 16.0005	WA	WDFW	970516	990716		48 12	124 57 W	490	1300	F	US WEST COAST
630148	CHINOOK	GEORGE ADAMS (PURDY)	Fall	HATCH	96	HOOD	SKDO	PURDY CR 16.0005	WA	WDFW	970516	990717		48 13	125 2 W	590	2390	F	US WEST COAST
630344	CHINOOK	FINCH CR 16.0222	Fall	HATCH	96	HOOD	SKDO	HOOD CANAL TR16.0218	WA	WDFW	980410	000530		47 30	124 49 W	800	6500		US WEST COAST
630344	CHINOOK	FINCH CR 16.0222	Fall	HATCH	96	HOOD	SKDO	HOOD CANAL TR16.0218	WA	WDFW	980410	990606		48 17	124 55 W	440	1100	F	US WEST COAST
630344	CHINOOK	FINCH CR 16.0222	Fall	HATCH	96	HOOD	SKDO	HOOD CANAL TR16.0218	WA	WDFW	980410	990606		48 17	125 6 W	430	1100	F	US WEST COAST
630348	CHINOOK	FINCH CR 16.0222	Fall	HATCH	97	HOOD	SKDO	HOOD CANAL TR16.0218	WA	WDFW	990428	000919		48 2	125 0 W	550	2190		US WEST COAST
630324	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	96	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	980401	000530		47 19	124 43 W	700	5230	F	US WEST COAST
630326	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	96	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	980401	990717		48 10	125 0 W	520	1720	F	US WEST COAST
630327	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	96	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	980302	990718		48 11	124 59 W	560	2200	F	US WEST COAST
630333	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	96	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	980401	000523		48 19	125 16 W	690	4490		US WEST COAST
630333	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	96	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	980401	990606		48 17	124 55 W	570	2600	M	US WEST COAST
630637	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	97	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	990302	000523		48 20	125 3 W	470	1230	F	US WEST COAST

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630648	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	97	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	990302	000531		47 16 124 44 W	570	2530	F	US WEST COAST	
630651	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	97	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	990302	000530		47 32 124 48 W	480	1350	F	US WEST COAST	
631031	CHINOOK	COWLITZ R 26.0002	Fall	HATCH	98	LOCR	COWL	COWLITZ R 26.0002	WA	WDFW	990629	000724		47 29 124 44 W	400	770	M	US WEST COAST	
635524	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	96	LOCR	COWL	GREEN R 26.0323	WA	WDFW	980315	990517		47 27 124 50 W	500	1610		US WEST COAST	
630240	CHINOOK	ELOCHOMAN R 25.0236	Fall	HATCH	97	LOCR	GREL	ELOCHOMAN R 25.0236	WA	WDFW	980605	000531		47 13 124 43 W	630	3890		US WEST COAST	
630511	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	97	LOCR	GREL	DEEP R 25.0071	WA	WDFW	990513	000722		47 20 124 36 W	560	2030	F	US WEST COAST	
630511	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	97	LOCR	GREL	DEEP R 25.0071	WA	WDFW	990513	000530		47 35 124 51 W	420	1001		US WEST COAST	
630511	CHINOOK	COWLITZ R 26.0002	Spring	HATCH	97	LOCR	GREL	DEEP R 25.0071	WA	WDFW	990513	000908		48 2 124 58 W	470	1310	M	US WEST COAST	
631036	CHINOOK	ELOCHOMAN R 25.0236	Fall	HATCH	98	LOCR	GREL	ELOCHOMAN R 25.0236	WA	WDFW	990617	000919		48 4 125 0 W	430	1060		US WEST COAST	
636112	CHINOOK	BIG CREEK	Fall	HATCH	96	LOCR	GREL	BEAVER CR 25.0247	WA	WDFW	970520	990605		48 19 124 57 W	550	1900	F	US WEST COAST	
630303	CHINOOK	LEWIS R 27.0168	Spring	HATCH	97	LOCR	LEWI	LEWIS R -NF 27.0168	WA	WDFW	990405	000530		47 19 124 43 W	560	2570	F	US WEST COAST	
630303	CHINOOK	LEWIS R 27.0168	Spring	HATCH	97	LOCR	LEWI	LEWIS R -NF 27.0168	WA	WDFW	990405	000714		48 12 124 55 W	590	2960	M	US WEST COAST	
630303	CHINOOK	LEWIS R 27.0168	Spring	HATCH	97	LOCR	LEWI	LEWIS R -NF 27.0168	WA	WDFW	990405	000714		48 8 124 53 W	590	2510	F	US WEST COAST	
630303	CHINOOK	LEWIS R 27.0168	Spring	HATCH	97	LOCR	LEWI	LEWIS R -NF 27.0168	WA	WDFW	990405	000530		47 35 124 51 W	570	2200		US WEST COAST	
630303	CHINOOK	LEWIS R 27.0168	Spring	HATCH	97	LOCR	LEWI	LEWIS R -NF 27.0168	WA	WDFW	990405	010529		43 10 124 43 W	710	4600	M	US WEST COAST	

Release Information												Recovery Information							
Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yymmdd)	Recovery date (yymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSF T (mm)	Wt. (gm)	Sex	Fishery Region
630303	CHINOOK	LEWIS R 27.0168	Spring	HATCH	97	LOCR	LEWI	LEWIS R -NF 27.0168	WA	WDFW	990405	000902		48 11 125 14 W	540	1910	F	US WEST COAST	
630347	CHINOOK	KALAMA R 27.0002	Spring	HATCH	97	LOCR	LEWI	FALLERT CR 27.0017	WA	WDFW	990325	000620		47 35 124 49 W	530	1800	M	US WEST COAST	
630413	CHINOOK	KALAMA R 27.0002	Spring	HATCH	97	LOCR	LEWI	GOBAR CR 27.0073	WA	WDFW	990305	000530		47 19 124 43 W	500	1580	F	US WEST COAST	
631039	CHINOOK	KALAMA R 27.0002	Fall	HATCH	98	LOCR	LEWI	KALAMA R 27.0002	WA	WDFW	990706	000905		48 3 125 1 W	420	970	F	US WEST COAST	
635209	CHINOOK	KALAMA R 27.0002	Spring	HATCH	96	LOCR	LEWI	FALLERT CR 27.0017	WA	WDFW	980323	990718		48 11 124 58 W	530	1710	F	US WEST COAST	
636063	CHINOOK	KALAMA R 27.0002	Spring	HATCH	95	LOCR	LEWI	KALAMA R 27.0002	WA	WDFW	970414	000525		45 17 124 17 W				US WEST COAST	
636063	CHINOOK	KALAMA R 27.0002	Spring	HATCH	95	LOCR	LEWI	KALAMA R 27.0002	WA	WDFW	970414	990717		48 6 124 59 W	680	3810	F	US WEST COAST	
630501	CHINOOK	WASHOUGAL R 28.0159	Fall	HATCH	98	LOCR	SAWA	WASHOUGAL R 28.0159	WA	WDFW	990615	000723		47 27 124 40 W	410	790		US WEST COAST	
630502	CHINOOK	WASHOUGAL R 28.0159	Fall	HATCH	98	LOCR	SAWA	WASHOUGAL R 28.0159	WA	WDFW	990722	000724		47 29 124 43 W	380	690		US WEST COAST	
636350	CHINOOK	WASHOUGAL R 28.0159	Fall	HATCH	96	LOCR	SAWA	WASHOUGAL R 28.0159	WA	WDFW	970602	990717		48 13 125 2 W	550	1860	F	US WEST COAST	
630308	CHINOOK	BIG SOOS CR 09.0072	Fall	HATCH	97	MPS	DUWA	BIG SOOS CR 09.0072	WA	WDFW	980506	000905		48 3 125 1 W	680	3920	F	US WEST COAST	
630313	CHINOOK	GREEN R 26.0323	Fall	HATCH	97	MPS	DUWA	GREEN R 09.0001	WA	WDFW	990430	000714		48 9 124 56 W	510	1550		US WEST COAST	
212963	CHINOOK	GROVERS CR 15.0299	Fall	HATCH	96	MPS	EKPN	GROVERS CR 15.0299	WA	SUQ	970519	990718		48 10 124 57 W	540	1770	F	US WEST COAST	
213154	CHINOOK	GROVERS CR 15.0299	Fall	HATCH	98	MPS	EKPN	GROVERS CR HATCHERY	WA	SUQ	990513	010518		47 53 125 27 W	650	3520		US WEST COAST	
212941	CHINOOK	WHITE R 10.0031	Spring	HATCH	95	MPS	PUYA	WHITE R 10.0031	WA	MUCK	970515	990717		48 6 124 59 W	610	2660	F	US WEST COAST	

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630312	CHINOOK	VOIGHT CR 10.0414	Fall	HATCH	97	MPS	PUYA	VOIGHT CR 10.0414	WA	WDFW	980530	000901		48 6	125 19 W	550	2160		US WEST COAST
635957	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	GRIA	SNAKE R ABV CLARKSTN	WA	NEZP	970414	990717		48 13	125 2 W	580	2540	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 20	124 39 W	500	1670	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000531		47 54	125 25 W	440	970	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 26	124 46 W	430	1000	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 27	124 46 W	463	1320		US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000531		47 19	124 47 W	490	1420	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000906		48 14	124 36 W	530	1790	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 32	124 48 W	470	1260	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 34	124 51 W	550	1140	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000520		48 8	124 58 W	420	940	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 22	124 44 W	490	1570	M	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000531		47 13	124 43 W	500	1570	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000530		47 17	124 44 W	490	1910		US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	010517		45 25	124 23 W	670	4400	F	US WEST COAST

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630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000902		48 6	125 19 W	550	2170	F	US WEST COAST
630860	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	97	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	990413	000919		48 2	125 0 W	600	2630		US WEST COAST
631213	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	98	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	000414	000905		48 3	125 1 W	360	560		US WEST COAST
631213	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	98	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	000414	000919		48 2	125 0 W	350	510		US WEST COAST
635844	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	94	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	960415	990715		48 12	125 0 W	740	5790		US WEST COAST
636318	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	96	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	980416	000531		47 21	124 42 W	540	1890	M	US WEST COAST
636320	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	000531		47 12	124 45 W	840	8740	M	US WEST COAST
636320	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	990718		48 11	124 58 W	550	2140	M	US WEST COAST
636320	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	990718		48 11	124 58 W	560	2160	F	US WEST COAST
636321	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	000708		48 12	124 50 W	800	7790	M	US WEST COAST
636321	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	000524		48 21	125 0 W	660	3250	F	US WEST COAST
636321	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	990717		48 6	124 59 W	570	2240	F	US WEST COAST
636321	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	990718		48 10	124 57 W	600	2520	F	US WEST COAST
636321	CHINOOK	SNAKE R-LOWR 33.0002	Fall	HATCH	95	SNAK	LOSN	SNAKE R-LOWR 33.0002	WA	WDFW	970426	990718		48 10	124 57 W	590	2660	F	US WEST COAST
630446	CHINOOK	LYONS FERRY HATCHERY	Fall	HATCH	96	SNAK	SNAKG	SNAKE R @PITTSBURG L	WA	NEZP	980416	990717		48 13	125 2 W	480	1180	F	US WEST COAST

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630448	CHINOOK	LYONS FERRY HATCHERY	Fall	HATCH	96	SNAK	SNAKG	SNAKE R @PITTSBURG L	WA	NEZP	980416	000714		48 8	124 56 W	680	4000	F	US WEST COAST
631212	CHINOOK	LYONS FERRY HATCHERY	Fall	HATCH	98	SNAK	SNAKG	SNAKE R @PITTSBURG L	WA	WDFW	991028	000717		47 8	124 36 W	290	290		US WEST COAST
631212	CHINOOK	LYONS FERRY HATCHERY	Fall	HATCH	98	SNAK	SNAKG	SNAKE R @PITTSBURG L	WA	WDFW	991028	010516		47 32	125 5 W	460	1380		US WEST COAST
636345	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	96	SNAK	SNAKG	CAPTAIN JOHNS PD	WA	NEZP	980415	000530		47 35	124 51 W	530	3550		US WEST COAST
636346	CHINOOK	LYONS FERRY HATCHERY	Late Fall	HATCH	96	SNAK	SNAKG	CAPTAIN JOHNS PD	WA	NEZP	980415	000714		48 9	124 56 W	610	2800	F	US WEST COAST
630608	CHINOOK	DESCHUTES R 13.0028	Fall	HATCH	97	SPS	EKPS	ECHO BAY - FOX ISLAND	WA	WDFW	990131	000722		47 20	124 36 W	570	2250	F	US WEST COAST
210135	CHINOOK	KALAMA CR 11.0017	Fall	HATCH	98	SPS	NISQ	KALAMA CR 11.0017	WA	NISQ	990607	010518		47 46	125 13 W	480	1280		US WEST COAST
210135	CHINOOK	KALAMA CR 11.0017	Fall	HATCH	98	SPS	NISQ	KALAMA CR 11.0017	WA	NISQ	990607	000919		48 3	125 0 W	390	690		US WEST COAST
212957	CHINOOK	NISQUALLY R 11.0008	Fall	HATCH	96	SPS	NISQ	CLEAR CR 11.0013C	WA	NISQ	970519	000714		48 8	124 52 W	710	5630	F	US WEST COAST
630505	CHINOOK	MCALLISTER CR11.0324	Fall	HATCH	98	SPS	NISQ	MCALLISTER CR11.0324	WA	WDFW	990521	000902		48 6	125 19 W	460	1010	F	US WEST COAST
635527	CHINOOK	SKYKOMISH R 07.0012	Summer	HATCH	96	STIL	SNOH	WALLACE R 07.0940	WA	WDFW	980317	990718		48 11	124 58 W	630	3300	M	US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000530		47 19	124 43 W	490	1450	F	US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000530		47 19	124 43 W	450	1230	F	US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000520		48 0	124 58 W	490	1360		US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000530		47 31	124 47 W	470	1200	F	US WEST COAST

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630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000530		47 22	124 44 W	460	1230	F	US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000908		48 2	124 58 W	550	2130		US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000906		48 4	125 2 W	550	1950	F	US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000905		48 6	124 58 W	550	1730	F	US WEST COAST
630610	CHINOOK	SIMILKAMEEN R 490325	Summer	HATCH	97	UPCR	MEOK	SIMILKAMEEN R 490325	WA	WDFW	990426	000910		48 20	125 2 W	570	2010	M	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000530		47 25	124 44 W	450	1140	F	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000722		47 20	124 36 W	550	2060	M	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000724		47 29	124 44 W	510	1570	M	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000520		48 9	124 58 W	440	980		US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000905		48 15	124 55 W	510	1430		US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000903		48 7	125 16 W	550	1930	F	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000530		47 26	124 45 W	470	1200	M	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000531		47 12	124 42 W	400	760	M	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000531		47 15	124 42 W	430	830	M	US WEST COAST
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000530		47 24	124 45 W	450	1020		US WEST COAST

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630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000523		48 23	125 1 W	440	1070	F	US WEST COAST		
630611	CHINOOK	WELLS DAM (47)	Summer	HATCH	97	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	990531	000902		48 6	125 19 W	510	1700	M	US WEST COAST		
630612	CHINOOK	WENATCHEE R 45.0030	Summer	HATCH	97	UPCR	WECH	WENATCHEE R 45.0030	WA	WDFW	990427	000531		47 16	124 44 W	453	1070	F	US WEST COAST		
630612	CHINOOK	WENATCHEE R 45.0030	Summer	HATCH	97	UPCR	WECH	WENATCHEE R 45.0030	WA	WDFW	990427	000530		47 19	124 43 W	500	1500	F	US WEST COAST		
630612	CHINOOK	WENATCHEE R 45.0030	Summer	HATCH	97	UPCR	WECH	WENATCHEE R 45.0030	WA	WDFW	990427	000531		47 30	124 49 W	460	1520	M	US WEST COAST		
630612	CHINOOK	WENATCHEE R 45.0030	Summer	HATCH	97	UPCR	WECH	WENATCHEE R 45.0030	WA	WDFW	990427	000714		48 9	124 56 W	520	1500	M	US WEST COAST		
631061	CHINOOK	WELLS HATCHERY	Summer	HATCH	98	UPCR	WECH	COLUMBIA NEAR WELLS	WA	WDFW	000512	010516		47 35	124 55 W	430	990		US WEST COAST		
630804	COHO	VOIGHT CR 10.0414		HATCH	97	MPS	PUYA	VOIGHT CR 10.0414	WA	WDFW	990514	000717		47 13	124 34 W	555	2160	M	US WEST COAST		
630804	COHO	VOIGHT CR 10.0414		HATCH	97	MPS	PUYA	VOIGHT CR 10.0414	WA	WDFW	990514	000703		48 13	124 56 W	490	1490	M	US WEST COAST		
630928	COHO	SOLEDUCK R 20.0096	Fall	HATCH	97	NWC	QUHO	SOLEDUCK R 20.0096	WA	WDFW	990401	000723		47 27	124 40 W	680	3740		US WEST COAST		
636145	COHO	LEWIS R 27.0168	Fall	HATCH	96	UPCR	WECH	WENATCHEE R 45.0030	WA	WDFW	980428	990611		48 2	125 38 W	570	1870	F	US WEST COAST		

<sup>1</sup>Region: CEC =Central Coastal California, CECR=Central Columbia R, CNAK=central Alaska, COBC=Coastal British Columbia, CRGN=Columbia R general, FRTH=Fraser R - Thompson R, GRAY=Grays Harbor, GST=Georgia Strait, HOOD=Hood Canal, JNST=Johnstone Strait, JUAN=Strait of Juan de Fuca, KLAM=Klamath R - Trinity R, LOCR=Lower Columbia R, MPS=Mid Puget Sound, NASK=Nass R - Skeena R, NOOR=North Coastal Oregon, NWC=North Washington Coast, SACR=Sacramento R, SEAK=Southeast Alaska, SJOA=San Joaquin R, SNAK=Snake R, SPS=South Puget Sound, SOOR=South Coastal Oregon, STIL=Stillaguamish R - Snohomish R, UPCR=Upper Columbia R, WCVI=Western Vancouver Island, YUKN=Yukon Territory (Yukon R in Yukon Territory only)

<sup>2</sup>Basin (if different than region): CCST=Central Coastal BC, COOK=Cook Inlet, COWL=Cowlitz R, CRGNG=Columbia R general, DUWA=Duwamish R - Green R, EKPN=East Kitsap Peninsula North, EKPS=East Kitsap Peninsula South, ELDU=Elwha R - Dungeness R, GRAY=Grays Harbor - Lower Chehalis R, GRSU=Grizzly - Susin Bays, GSMN=Georgia Strait Mainland North, GREL=Grays R - Elokomin R, GRIA=Grand Ronde R - Imnaha R - Asotin Cr, JNSTG=Johnstone Strait general, KLAM=Klamath R, KIIC=Klickitat R, LEWI=Lewis R, LOSN=Lower Snake R, LWFR=Lower Fraser R, MEOK=Methow R - Okanogan R, MERC=Merced R, Moke=Mokelumne R, NISQ=Nisqually R, NWVI =NW Vancouver I, PUYA=Puyallup R, QEU=Queets R - Quinault R, QUHO=Quillayute R - Hoh R, SAWA=Salmon R - Washougal R, SFBA=San Francisco Bay, SKDO=Skokomish R - Dosewallips R, SKNA=Skeena R, SNAK=Snake R, SNAKG=Snake R general, SNOH=Snohomish R, SWVI=SW Vancouver I, TOMF=Thompson R North and South Forks, TOMM=Thompson R Mainstem, TRIN=Trinity R, TUST=Tuolumne R - Stanislaus R, UPCR=Upper Columbia R general, UPFR=Upper Fraser R, UPSN=Upper

Release Information											Recovery Information								
Tag code	Species	Stock	Run	Rearing Type	Brood year	Region <sup>1</sup>	Basin <sup>2</sup>	Release Site	State	Agency <sup>3</sup>	Release date (yymmdd)	Recovery date (yymmdd)	Fishery area	North latitude (deg, min)	Longitude (deg, min, dir)	TSF T (mm)	Wt. (gm)	Sex	Fishery Region

<sup>3</sup>Agency: ADFG=Alaska Department of Fish & Game, CDFO=Canadian Department of Fisheries and Oceans, CDFG=California Department of Fish & Game, CDWR=California Department of Water Resources, COOP=Washington Department of Fish & Wildlife - Cooperative, DIPAC=Douglas Island Pink & Chum, Inc., EBMD=East Bay Municipal Utilities District, FWS=US Fish & Wildlife Service, HVT=Hoopa Valley Tribe, KRUK=Karuk Tribe, KTHC=Ketchikan Tribal Hatchery Corporation, MIC=Metlakatla Indian Community, MUCK=Muckleshoot Tribe, NEZP=Nez Pierce Tribe, NISQ=Nisqually Tribe, NSRA=Northern Southeast Regional Aquaculture Association, ODFW=Oregon Department of Fish & Wildlife, QDNR=Quinault Department of Natural Resources, SUQ=Suquamish Tribe, SSRA=Southern Southeast Regional Aquaculture Association, TYFF=TYFF Foundation, WDFW=Washington Department of Fish & Wildlife