

### Fish Passage Center

## Weekly Report #03 - 6

April 25, 2003

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#### **Summary of Events:**

Water Supply: Most Columbia Basin watersheds have continued to receive average precipitation through the 21st of April (Table 1). For the water year (October 1, 2002 to April 21, 2003), precipitation in most basins has been near average, with the Central Washington and Clearwater locations receiving the highest yearly totals at 117% and 109% of average, respectively.

Table 1. Summary of April precipitation and cumulative October through April precipitation with respect to average (1971-2000), at select locations within the Columbia and Snake River Basins.

	April 1-2	21, 2003	Cumulativ	e October, 1
			2002 to Ap	oril 21, 2003
	Observed	%	Observed	% Average
Location	(inches)	Average	(inches)	
Columbia Above	1.23	107	13.87	90
Coulee				
Snake River Above	1.04	102	10.71	95
Ice Harbor				
Columbia Above The	1.18	103	14.46	94
Dalles				
Kootenai	1.23	100	13.43	85
Clark Fork	0.98	113	9.67	98
Flathead	1.13	102	11.72	88
Pend Oreille/Spokane	1.61	102	21.73	100
Central Washington	0.63	140	7.42	117
Snake River Plain	0.76	105	4.71	69
Clearwater	1.36	73	22.33	109
SW Washington	3.79	101	51.17	89
Cascades/Cowlitz				
Willamette Valley	4.69	138	46.33	95

Table 2 displays the March Final, April Final, and April Mid-Month runoff volume forecasts for multiple reservoirs. Generally, runoff volume forecasts have been steadily rising over the spring. Most basins have increased in excess of 10% of average between the March and April Forecasts; the Clearwater Basin has increased 20%.

Table 2. March Final, April Final and April Mid-Month Runoff Volume Forecasts for various reservoirs within the Columbia and Snake River Basins.

	Marc	n Final	April	Final	April M	id-Month
	%	Probable	%	Probable	%	Probable
	Average	Runoff	Average	Runoff	Average	Runoff
Location	(1971-	Volume	(1971-	Volume	(1971-	Volume
	2000)	(Kaf)	2000)	(Kaf)	2000)	(Kaf)
The Dalles	70	74900	79	85300	81	87000
(Jan-July)	70	/4900	19	83300	81	8/000
Grand						
Coulee	74	46300	84	52900	86	54300
(Jan-July)						
Libby Res.						
Inflow,	70	4440	79	4960	82	5150
MΓ (Jan-	70	4440	19	4900	62	3130
July)						
Hungry						
Horse Res.						
Inflow,	66	1470	81	1800	82	1830
MΓ (Jan-						
July)						
Lower						
Granite						
Res.	68	14700	79	17100	79	17000
Inflow						
(Apr- July)						
Brownlee						
Res.	49	3100	53	3370	54	3430
Inflow		5100	33	3310	57	5750
(Apr-July)						
Dworshak						
Res.	70	1860	90	2390	89	2340
Inflow	/0	1000	70	2370	0)	2270
(Apr-July)						

Based on the April Final Forecasts, the following Biological Opinion actions will be targeted in the spring of 2003:

- ♦ Lower Granite: The Spring Flow Objective will be 89.1 Kcfs between April 3rd and June 20th. To date, the average flow at Lower Granite between April 3rd and April 24, 2003 has been 69.8 Kcfs.
- ♦ McNary: The Spring Flow Objective will be 220 Kcfs between April 10th and June 30th. To date, the average flow at McNary between April 10th and April 24, 2003 has been 195.1 Kcfs.
- ♦ Priest Rapids: The Spring Flow Objective will be 135 Kcfs between April 10th and June 30th. To date, the average flow at Priest Rapids between April 10th and April 24, 2003 has been 118.5 Kcfs.

On April 17th, SOR 2003-7 was submitted to the Action Agencies and asked for the Biological Opinion flow objective of 135 Kcfs to be met at Priest Rapids from April 24th through the end of June. This SOR was accepted by the Action Agencies. On the 24th of April, daily average flows at Priest Rapids were 143.2 Kcfs.

Also on the 17th of April, SOR 2003-8 was submitted to the Action Agencies based upon survey reports indicating increased stranding and entrapment of juvenile fall chinook below Priest Rapids Dam. The SOR asks for flow fluctuations to be limited relative to the previous days flow average. The action agencies maintain that Grant County PUD is the responsible party and Grant County has maintained that federal flow control is responsible. No indication of compromise between Grant County PUD and the Action Agencies on the implementation of SOR 2003-8 has been indicated to date. However, since the submittal of SOR 2003-8, flow fluctuations have been monitored and compared to the flow bands indicated in the SOR. The following table displays the actual daily average flow (determines flow band), actual daily flow fluctuations, and the flow band suggested by SOR 2003-8 at Priest Rapids Dam from April 21st to April 24th.

Table 3. Actual daily average flow (determines flow band), actual daily flow fluctuation, and the flow band suggested by SOR 2003-8 at Priest Rapids Dam from April 21st to April 24th.

	D '1	D '1	TI D 1
	Daily	Daily	Flow Band
	Average	Flow	According
	Flow	Fluctuation	to SOR
Date	(Kcfs)	(Kcfs)	2003-8
4-17-2003	148.3	14.9	20
4-18-2003	112.6	40.4	20
4-19-2003	117.6	29.4	20
4-20-2003	98.9	42.2	10
4-21-2003	114.6	76.8	20
4-22-2003	158.4	18.9	20
4-23-2003	149.1	42.6	20
4-24-2003	143.2	70.2	20

From Table 3, the flow bands recommended by SOR 2003-8 at Priest Rapids Dam were met in two of the eights days since April 17th, 2003.

Table 4 displays the April 30th Flood Control Targets along with actual reservoir elevations recorded on April 24th, 2003 for Libby, Hungry Horse, Grand Coulee, Brownlee, and Dworshak.

Table 4. April Flood Control Targets along with actual reservoir elevations recorded on April 24, 2003 for Libby, Hungry Horse, Grand Coulee, Brownlee, and Dworshak.

	Actual	April 30 <sup>th</sup> ,
	Elevation	2003 Flood
	April 24 <sup>th</sup> ,	Control
Reservoir	2003	Target
Libby	2407.7	2449.8
Hungry Horse	3520.4	3537.3
Grand Coulee	1279.6	1283.3
Brownlee	2068.5	2077.0
Dworshak	1570.8	1541.9

The Libby Reservoir is currently at an elevation of 2407.7 feet, 42.1 feet below its April 30th Flood Control Target (Table 4). Libby has been operating to a minimum discharge of 4.0 Kcfs; inflows to Libby have increased over the last week from 6.8 Kcfs (4-18-03) to 13.6 Kcfs (4-24-03), resulting in approximately 1.7 feet of reservoir refill.

The Hungry Horse Reservoir is currently at an elevation of 3520.4 feet, 16.9 feet below its April 30th Flood Control Target (Table 4). Inflows to Hungry Horse have increased over the last week from 4.3 Kcfs (4-18-03) to 10.1 Kcfs (4-24-03). Hungry Horse continues to operate to meet the Columbia Falls Minimum discharge, which is currently 3,372 cfs, and has refilled four feet in the last week.

The Dworshak reservoir is currently at an elevation of 1570.8 feet, 28.9 feet above its end of April Flood control Target. Dworshak has been releasing approximately 15.6 kcfs of water (9.5 Kcfs through the powerhouse and the rest spill).

The Grand Coulee Reservoir ended April 24th at an elevation of 1279.6 feet, 3.7 feet below its April 30th flood control elevation.

The Brownlee Reservoir was at an elevation of 2068.5 on April 24th, 8.5 feet below its April 30th Flood Control Target (Table 4).

The USBR reservoir systems along the Boise, Payette, and Upper Snake Basins are currently 57% (+2% from last week), 69% (+1% from last week), and 61% (+1% from last week) of capacity.

**Spill:** Dworshak Dam is at full powerhouse and is spilling to the 110% TDG gas cap. Spill at Lower Granite, Little Goose, Lower Monumental and Ice Harbor dams over the past week averaged 37%, 30%, 27% and 46% of average daily flow, respectively. The relative survival of juvenile salmonids under spill for operation of the Removable Spillway Weir is being tested against survival under operations of spill to the gas cap at Lower Granite Dam. Spill at Lower Monumental Dam has been decreased to determine if observations observed in the physical models could be verified as impacting juvenile survival. A modified spill schedule is also being tested at Ice Harbor Dam.

Spill at the lower Columbia projects was initiated on April 14. Spill over the past week at McNary, John Day, The Dalles and Bonneville dams averaged 40%, 27%, 39%, and 55% of average daily flow, respectively. Spill is presently occurring at all mid Columbia projects.

A few fish have been sampled at McNary and Rock Island dams with rank 1 signs of GBT in their fins. Total dissolved gas levels remain below the gas waiver limits.

Smolt Monitoring: The monitoring sites at Snake River dams recorded large increases in the passage of yearling chinook and steelhead this past week. The tributary traps captured relatively fewer yearling chinook and increasing numbers of steelhead. In the mid-Columbia the collection of yearling chinook continued to increase despite a disruption in trapping at the project due to mechanical repairs. At the Lower Columbia the numbers of yearling chinook and steelhead have increased significantly this past week.

The White Bird Trap collected an average of 180 yearling chinook per day this week compared to 1,200 per day last week. Steelhead numbers doubled this week, with the average daily collection this week at 58 compared to 29 per day last week. At the Imnaha Trap the average daily catch of yearling chinook this week was 609 compared to 1,147 last week. The numbers of steelhead increased rapidly this week corresponding with the recent releases of over 200,000 hatchery fish in Little and Big Sheep basins this past week. The average daily collection was 1,213 per day this week versus 580 per day last week. Numbers of yearling chinook captured at the Grande Ronde trap decreased again this past week with a daily average of 167 compared to 196 last week. At the Lewiston Trap the collection of yearling chinook was down to 28 fish per day average, compared to 93 last week, while steelhead collection increased to 135 this week compared to 104 per day last week.

At Lower Granite Dam the average daily passage index for both yearling chinook and steelhead increased rapidly this past week. The yearling chinook index averaged 59,500 this week compared to 20,800 last week while the steelhead

average daily passage index increased from 9,200 last week to 30,400 this week. Small numbers of sockeye, coho and subyearling chinook were also captured this past week. Little Goose and Lower Monumental dams both saw large increases in yearling chinook and steelhead indices. At Little Goose the index for yearling chinook averaged 19,800 this week compared to 4,800 last week, while at Lower Monumental the index averaged 8,600 this week compared to 7,000 last. The index for steelhead at Little Goose averaged approximately 9,900 compared to 2,300 last week and at Lower Monumental the index was up to 6,900 compared to 1,360 last week.

Rock Island Dam has reported a relative increase in yearling chinook collection this week with an average collection of 200 versus 110 last week. Sockeye collection was also up this week averaging 179 this week compared to 75 last week. Steelhead, coho and subyearling chinook have been collected in very low numbers. The project continues to have problems with the smolt trap and may have to dewater it again this week to determine the cause of high mortality in collected fish.

In the Lower Columbia, at McNary, where sampling is carried out every other day, in conjunction with NMFS transportation study that began April 20, the passage index for yearling chinook increased from 5,300 last week to 11,800 this week. Steelhead indices increased from 850 last week to 3,300 this week. The daily average index for subyearling chinook dropped to 800 per day this week compared to near 1,200 last week. At John Day Dam the average daily index for yearling chinook increased rapidly to 6,200 this week compared to 2,100 last week. Steelhead indices were also up, with an average of 1,360 this week versus 750 last week. Small numbers of subyearling chinook, sockeye, and coho smolts have been reported this past week. At Bonneville Dam, the average daily index for yearling chinook was at 69,500 this week compared to 9,300 last week. The peak index of 112,000 on April 20th, likely marks the passage of 1.7 million yearling chinook released from Carson NFH starting on April 16. The steelhead index averaged 2,740 this week compared to 930 last week. The indices for coho were up again this week with an average

index of 9,100 compared to 1,200 per day last week. Subyearling chinook numbers spiked at 560,000 on April 16 after the release of 4 million subs, on April 14, from Spring Creek Hatchery. Low numbers of sockeye were also reported in the sample this past week.

Hatchery Releases - The preliminary hatchery release schedules for the three Columbia River Basin Zones are updated daily or weekly throughout the migration season. The FPC hatchery release numbers can be obtained from the FPC website. Approximately 28.6 million juvenile salmonids were released or releases were initiated during the past two weeks, with 17.6 million fish scheduled for release in the upcoming two weeks.

Snake River - About 27.9 million smolts will be released from State, Federal, and Tribal hatcheries and acclimation ponds during the 2003 migration year. Basically, yearling chinook releases scheduled for the Snake River basin should be in-river and migrating to the ocean. To date, about 12.5 million yearling spring and summer chinook have been released into the Salmon River basin, the Clearwater River basin, from acclimation ponds in the Grande Ronde and Imnaha River basins, into the Tucannon River from the Curl Lake acclimation pond, and the main stem Snake River below Hells Canyon Dam. Another 500,000 yearling fall chinook were released from acclimation ponds in the Snake and Clearwater River basins with an on-site release from Lyons Ferry Hatchery of 518,436 yearling fall chinook.

During fall 2002, about 140,000 sockeye were released in the upper Salmon R basin lakes. About 550,000 yearling coho salmon were released in early March into Lapwai Creek and Potlatch River with another 700,000 to be released in the Clearwater River basin.

Releases of juvenile steelhead (9.7 million) are ongoing from most hatcheries with the majority to be planted by mid-May. Releases will occur throughout the Snake, Salmon, Clearwater, Imnaha, Grande Ronde, and Tucannon River basins.

**Mid-Columbia River** - About 22.2 million yearling and subyearling salmon species will be released in the Mid-Columbia during the 2003

migration year. Volitional release of yearling spring chinook are on-going from the acclimation ponds in the Yakima River basin with greater than 80% of the fish already exited from the ponds and migrating downstream. Releases of spring yearling chinook were completed at Federal hatcheries this week or the previous week (Leavenworth, Entiat, and Winthrop) with additional spring chinook released from acclimation ponds on the Twisp and Chewuch rivers. Most yearling spring chinook should be in-river from the Mid-Columbia.

Yearling summer chinook scheduled for release from Wells and Eastbank Complex hatcheries should be mostly completed during the next two weeks. Some volitional releases have begun (Wells H) with the Methow and Wenatchee rivers scheduled for releases during the next two weeks. Subyearling fall and summer chinook will be released later in the season, normally late May or June. These fish comprise the highest percentage of salmon released in the Mid-Columbia River. About 209,000 sockeye were released last fall into Lake Wenatchee; there will be no sockeye releases made into the Okanogan R basin this year. About 1.9 million coho are scheduled for release in this Zone. The yearling coho are normally released from early to mid-April through mid-May. A portion of these fish has been released.

Approximately 1.3 million juvenile steelhead will be released from mid-April through early May. These releases are just beginning from the State Hatcheries this week. Ringold Hatchery releases its steelhead volitionally (began mid-April) with the final fish pushed out by the end of April.

Lower Columbia River - The Lower Columbia River Zone is scheduled to release about 37 million salmon and steelhead for the 2003 migration. The majority of fish released in this Reach is comprised of subyearling fall chinook, many from Spring Creek NFH. About 7.6 million subyearling fall chinook were released on March 8 with another 4.1 million released on April 10. Release of yearling spring chinook from State, Tribal and Federal hatcheries is nearing completion for the year. Fish have been released in the Klickitat, Umatilla, Deschutes, Hood, Wind, and Little White Salmon rivers to date. Yearling fall chinook have also been released in the Umatilla

River basin.

Yearling coho salmon have been released in the Klickitat, Little White Salmon, and Umatilla rivers to date. The Klickitat Hatchery will release another 1.0 million yearling coho this season. Winter and summer steelhead are scheduled for release into the Klickitat, possibly Little White Salmon (Drano L), Big White Salmon, Umatilla, Deschutes, and Hood rivers this year. Most releases will be completed by first week in May.

Adult Fish Passage - Most COE projects began counting adult fish on April 1 with the PUD facilities initiating counts on April 15. Counts officially started at Lower Granite Dam on March 1st with Bonneville Dam counts beginning March 15. Adult fish counts at Bonneville Dam recorded by video prior to March 14 are summarized below the Cumulative Adult Table, with adult chinook and steelhead counts exceeding 3,700 and 3,400, respectively.

During the past week, daily counts of adult spring chinook at Bonneville Dam ranged from 2,362 to 6,358. Through April 24, the cumulative count of adult spring chinook was 111,851, about 1.7 times and 1.9 times greater than the respective 2002 and 10-year average counts. Counts of adult spring chinook at The Dalles ranged from 2,329 to 3,911 with the average passage for the week of 3,035 per day, about 1,000 less per day than the previous week. The cumulative count was 69,944, about 62.5% of the Bonneville count through April 24. Upstream at McNary Dam, about 45,000 were counted past the project through April 24 with about 32,200 counted into the Snake River (missing 4/23 count at Ice Harbor). At Priest Rapids Dam, 6,524 adult spring chinook were tallied through April 24. About 350 adult chinook were counted into the Yakima River (Prosser Dam count) through April 18.

About 15,500 adult summer steelhead have been counted at Lower Granite Dam to date, and this total exceeded the 2002 and 10-year average for the spring migration. These steelhead that over-wintered below Lower Granite or other dams should be completing migration by the end of May. Daily counts of steelhead averaged near 50/day for the week and should be winding down soon.

Daily Average Flow and Spill (	in kcfs) at Mid-C	Columbia Projects
Chief	Rocky	Rock

	Gr	and	Chi	ef			Ro	cky	Ro	ck			Pr	iest
	Co	ulee	Jose	eph	We	ells	Re	ach	Isla	nd	Wan	apum	Ra	pids
Date	Flow	Spill												
04/11/03	89.3	0.0	92.8	0.0	96.8	0.0	96.1	0.0	101.1	0.0	108.6	0.0	113.1	0.0
04/12/03	83.0	0.0	80.8	0.0	84.3	6.3	80.8	0.0	87.2	0.0	91.3	0.0	91.0	0.0
04/13/03	50.4	0.0	57.3	0.0	67.7	5.1	69.0	0.0	71.7	0.0	84.2	0.0	84.9	0.0
04/14/03	100.6	0.0	100.8	0.0	101.2	6.9	95.3	0.0	100.4	0.0	94.9	0.0	97.7	0.0
04/15/03	113.0	0.0	116.4	0.0	115.9	8.9	112.2	0.0	119.2	0.0	113.7	0.0	107.1	0.0
04/16/03	126.1	0.0	122.9	0.0	127.0	7.8	127.1	0.0	133.3	0.0	137.0	0.0	134.0	0.0
04/17/03	109.9	0.0	112.2	0.0	120.5	9.1	122.4	0.0	129.7	24.8	143.9	0.0	148.3	0.0
04/18/03	105.2	0.0	106.7	0.0	109.8	7.9	105.8	0.0	110.3	21.8	107.8	0.0	112.6	0.0
04/19/03	110.6	0.0	106.6	0.0	108.7	7.8	107.1	0.0	113.1	21.0	121.0	0.0	117.6	0.0
04/20/03	65.3	0.0	66.4	0.0	68.7	5.2	67.0	11.6	71.9	16.0	90.0	0.0	98.9	0.0
04/21/03	140.7	0.0	142.7	0.0	145.6	8.5	141.5	17.1	143.8	22.0	126.2	11.5	114.6	0.0
04/22/03	115.5	0.0	120.5	0.0	133.9	8.9	135.4	18.6	142.5	22.9	157.2	63.0	158.4	15.4
04/23/03	136.5	0.0	136.5	0.0	135.9	8.6	135.1	20.0	139.2	26.3	147.0	59.7	149.1	90.3
04/24/03	134.6	0.0	138.1	0.0	144.1	9.3	140.9	21.0	144.6	27.2	145.3	58.8	143.2	86.8

Daily Average Flow and Spill (in kcfs) at Snake Basin Projects
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				Hells	Lo	wer	Li	ttle	Lov	ver	I	ce
	Dwo	rshak	Brownlee	Canyon	Gra	nite	Go	ose	Monum	ental	Ha	rbor
Date	Flow	Spill	Inflow	Outflow	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill
04/11/03	15.9	6.3	14.9	17.6	64.6	19.8	62.2	21.0	60.3	31.4	64.0	49.8
04/12/03	15.9	6.4	14.3	14.6	68.5	20.2	67.1	20.9	66.2	30.1	72.3	55.7
04/13/03	16.0	6.3	16.0	11.2	73.9	20.2	74.0	20.9	73.2	28.6	77.1	52.7
04/14/03	16.0	6.2	15.9	15.6	82.3	25.5	79.6	20.0	77.8	27.4	81.7	56.4
04/15/03	16.1	6.3	16.4	18.5	82.2	20.5	82.8	18.8	83.7	29.1	87.1	62.5
04/16/03	16.1	6.3	15.7	18.4	75.4	15.0	75.8	18.5	74.5	29.4	80.7	53.7
04/17/03	15.8	6.0	14.6	17.0	73.8	20.3	70.8	18.6	70.6	31.8	76.3	56.0
04/18/03	15.6	5.8	14.4	13.7	70.4	20.3	68.9	18.5	68.1	31.9	72.8	53.9
04/19/03	15.6	5.8	13.9	14.5	65.0	20.0	65.3	18.7	64.0	31.5	69.7	52.1
04/20/03	15.6	5.7	13.2	15.5	63.6	25.4	61.5	18.5	60.3	28.2	65.6	51.5
04/21/03	15.5	5.6	14.1	18.5	65.2	20.5	63.3	17.8	62.8	30.0	66.0	51.1
04/22/03	15.6	5.8	13.7	19.7	67.6	15.3	69.1	17.6	69.5	31.0	76.5	60.9
04/23/03	15.7	5.8	15.6	18.9	74.3	20.4	80.3	17.6	71.4	31.9	84.7	54.5
04/24/03	15.6	5.8			80.7	25.5			80.1	33.2		

	Mcl	Nary	John [	Day	The D	alles		В	onneville	
Date	Flow	Spill	Flow	Spill	Flow	Spill	Flow	Spill	PH1	PH2
04/11/03	174.7	0.0	178.0	0.0	183.9	0.0	190.9	2.1	63.2	119.0
04/12/03	174.3	0.0	175.2	0.0	178.9	0.0	186.8	2.0	53.2	124.9
04/13/03	174.1	0.0	179.3	0.0	179.9	0.0	178.9	2.1	48.0	122.0
04/14/03	177.7	33.9	178.8	23.6	182.3	21.5	197.8	69.9	12.0	109.2
04/15/03	189.1	68.1	194.3	46.2	197.7	77.1	209.1	95.4	8.9	98.0
04/16/03	193.3	68.5	194.2	46.8	190.4	72.8	224.0	139.7	0.0	77.6
04/17/03	222.3	83.1	218.2	49.8	218.4	85.8	216.1	149.6	0.0	59.8
04/18/03	216.0	75.9	229.9	56.5	232.1	90.9	253.0	148.0	0.0	98.0
04/19/03	201.9	80.3	210.2	56.2	208.8	82.5	222.9	147.2	0.1	69.0
04/20/03	188.4	73.8	184.7	55.8	184.9	73.8	207.6	104.0	10.7	86.2
04/21/03	173.5	59.9	172.2	46.4	177.3	69.4	209.7	103.4	17.8	81.9
04/22/03	228.1	102.7	222.9	54.5	216.3	84.6	230.6	142.2	3.8	78.0
04/23/03	231.9	101.1	239.3	62.3	239.5	93.5	248.8	142.4	21.3	78.4
04/24/03	201.8	98.3	212.2	66.3	211.9	84.6	238.1	101.5	33.0	96.9

# Gas Bubble Trauma Monitoring Results from Representative Sites on the Snake River and Columbia River

											Fin GBT	Fish with
							ı	Lis	sted by I	Highest	Rank	L. Line GBT
			Number of	Number w	Number w	% Fin	% Severe	Rank	Rank	Rank	Rank	Num Avg.
Site	Date	Species	Fish	GBT signs	Fin Signs	GBT	Fin GBT	1	2	3	4	Fish Rank
Low	er Grani	te Dam										
	04/15/03	Yearling Chinook	41	0	0	0.00%	0.00%	0	0	0	0	
		Steelhead	59	0	0	0.00%	0.00%	0	0	0	0	
		Yearling Chinook	79	0	0	0.00%	0.00%	0	0	0	0	
		Steelhead	21	0	0	0.00%	0.00%	0	0	0	0	
Little	e Goose	Dam										
	04/16/03	Yearling Chinook	75	0	0	0.00%	0.00%	0	0	0	0	
		Steelhead	25	0	0	0.00%	0.00%	0	0	0	0	
	04/23/03	Yearling Chinook	71	0	0	0.00%	0.00%	0	0	0	0	
		Steelhead	29	0	0	0.00%	0.00%	0	0	0	0	
Low	er Monu	mental Dam										
	04/21/03	Yearling Chinook	43	0	0	0.00%	0.00%	0	0	0	0	
	04/21/03	Steelhead	58	1	1	1.72%	0.00%	1	0	0	0	
McN	ary Dam	1										
		Yearling Chinook	78	0	0	0.00%	0.00%	0	0	0	0	
	04/18/03	Steelhead	22	0	0	0.00%	0.00%	0	0	0	0	
	04/20/03	Yearling Chinook	76	0	0	0.00%	0.00%	0	0	0	0	
	04/20/03	Steelhead	24	0	0	0.00%	0.00%	0	0	0	0	
	04/24/03	Yearling Chinook	76	2	2	2.63%	0.00%	2	0	0	0	
		Steelhead	24	1	1	4.16%	0.00%	1	0	0	0	
Bon	neville D	Dam										
	04/21/03	Yearling Chinook	100	0	0	0.00%	0.00%	0	0	0	0	
Roc	k Island	Dam										
	04/17/03	Yearling Chinook	94	3	3	3.19%	0.00%	3	0	0	0	
		Steelhead	6	0	0	0.00%	0.00%	0	0	0	0	
	04/21/03	Yearling Chinook	47	1	1	2.12%	0.00%	1	0	0	0	
		Steelhead	6	3	3	50.00%		3	0	0	0	

NOTE: Incomplete sample at Rock Island Dam on 4/21/03, sample size target is 100 fish.

# Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

	aturation Data at Upper Columbia River Si	er Sites
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	Hungry H. Dnst Boundary								Grand	d Coul	<u>ee</u>		Gran	d C. T	<u>lwr</u>		Chie	f Jose	<u>ph</u>	
	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
4/11	100	101	101	24	105	106	113	24	105	105	106	24	103	104	107	24				0
4/12	100	101	101	24	107	110	113	24	106	107	108	24	104	104	106	24				0
4/13	100	101	101	24	106	108	113	24	105	106	106	24	104	105	107	24				0
4/14	100	100	101	24	112	113	114	24	105	105	106	24	103	104	106	24	105	105	105	16
4/15	100	100	101	24	111	116	116	24	105	106	106	24	103	104	105	24	104	104	105	23
4/16	100	100	101	24	116	117	118	24	105	105	105	24	103	104	104	24	104	104	105	23
4/17	101	102	102	23	115	118	120	24	105	106	106	24	104	105	106	24	104	104	105	23
4/18	101	101	102	24	115	117	119	24	104	105	105	24	103	104	105	24	104	104	104	23
4/19	100	100	101	24	114	118	120	24	105	105	107	24	103	104	104	24	103	103	104	23
4/20	100	101	101	24	114	117	120	24	107	107	108	24	105	106	107	24	104	105	106	23
4/21	101	101	102	24	115	119	121	23	109	110	115	24	105	105	107	24	105	106	106	22
4/22	101	102	102	24	117	119	120	21	108	109	110	24	106	106	107	24	106	106	106	23
4/23	101	101	101	24	110	112	113	24	109	109	110	24	105	106	107	24	105	106	106	23
4/24	101	101	102	24	113	117	118	24	109	109	110	24	106	106	107	24	105	106	106	23

**Total Dissolved Gas Saturation Data at Mid Columbia River Sites** 

	Chief	J. Dn	<u>st</u>		Wells				Wells	Dwns	<u>strm</u>		Rock	y Read	<u>ch</u>		Rock	y R. T	<u>lwr</u>	
	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>																
4/11	104	104	104	23	105	105	105	20	104	105	105	20	105	105	105	21	105	105	106	21
4/12	104	104	104	23	105	105	105	24	106	107	107	24	106	106	106	24	106	106	106	24
4/13	104	105	105	23	105	105	105	24	106	106	107	24	106	106	106	24	106	106	106	24
4/14	104	105	107	23	105	105	105	24	106	107	107	24	106	106	106	24	106	106	107	24
4/15	104	105	106	23	105	105	105	24	107	107	108	24	106	106	107	24	107	107	107	24
4/16	104	104	106	23	105	105	105	23	107	107	108	23	106	107	107	23	106	107	107	23
4/17	104	105	106	23	105	105	106	24	107	107	108	24	107	107	108	24	107	108	108	23
4/18	103	103	103	23	104	104	104	24	106	106	107	24	106	107	107	24	107	107	107	24
4/19	102	103	103	23	104	104	105	23	106	107	107	23	106	106	106	23	106	106	106	22
4/20	104	105	106	23	105	106	106	24	106	107	108	24	107	107	108	23	108	109	110	23
4/21	105	105	105	22	106	106	107	24	108	108	109	24	108	108	109	24	109	110	110	24
4/22	105	106	107	23	106	107	112	23	108	108	109	23	108	108	108	23	109	109	110	23
4/23	105	105	107	23	106	106	107	24	108	108	109	24	108	108	108	23	109	109	110	23
4/24	106	106	107	23	106	106	106	23	108	108	108	23	107	108	108	24	109	109	110	24

**Total Dissolved Gas Saturation at Mid Columbia River Sites** 

	Rock	Island					<u>r</u>		<u>Wana</u>	pum			<u>Wana</u>	pum '	<u>Tlwr</u>		<u>Pries</u>	t Rapi	<u>ds</u>	
	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>
4/11	105	105	105	21	103	105	106	20	104	105	106	24	105	106	106	24	105	105	105	24
4/12	105	106	106	24	106	106	106	24	105	106	106	24	107	107	108	24	106	106	106	24
4/13	106	106	106	24	106	106	106	24	105	106	106	24	107	107	107	24	106	106	106	24
4/14	105	106	106	24	106	106	106	24	105	105	105	24	106	106	106	24	105	106	106	24
4/15	106	106	107	24	106	107	107	24	105	105	106	24	105	105	106	24	105	105	105	24
4/16	106	106	106	24	106	106	107	24	105	105	106	24	105	106	106	24	105	105	105	24
4/17	107	107	107	24	115	118	122	23	104	105	105	24	106	106	107	24	105	105	105	24
4/18	106	106	107	24	114	117	120	24	104	105	106	24	105	105	106	24	104	105	105	24
4/19	106	106	106	23	113	114	118	22	104	105	105	24	106	108	109	24	104	105	105	24
4/20	106	107	108	23	114	115	117	22	107	109	110	24	110	111	112	24	105	105	106	24
4/21	109	109	110	24	114	116	117	24	110	111	113	24	112	112	113	18	106	107	109	24
4/22	109	109	111	23	115	116	117	23	107	107	108	18	117	117	120	20	109	110	110	24
4/23	109	109	110	23	116	120	125	23	107	108	109	24	117	118	120	24	111	112	114	24
4/24	109	109	110	24	116	118	125	23				0				0				0

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

	<b>Pries</b>	t R. Dı	<u>nst</u>		Pasco	<u>2</u>			<u>Dwor</u>	<u>shak</u>			<b>Clrwt</b>	r-Pecl	<u> </u>		Anato	<u>one</u>		
	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
4/11	106	106	106	24	106	106	107	24	108	109	109	24	103	104	105	24	101	102	103	24
4/12	107	108	108	24	107	107	108	24	109	109	109	24	103	104	104	24	102	102	103	24
4/13	107	107	108	24	107	107	108	24	109	109	109	24	103	103	104	24	101	102	102	24
4/14	106	107	107	24	105	106	106	24	109	109	109	24	103	103	104	24	101	102	102	24
4/15	106	106	106	24	105	106	106	24	109	110	110	24	103	104	104	24	101	102	102	24
4/16	105	106	106	24	105	106	107	24	109	109	110	24	103	104	104	24	101	102	102	24
4/17	106	106	106	24	105	106	106	24	109	109	110	24	104	104	104	24	102	102	102	24
4/18	104	105	105	24	104	105	105	24	108	108	109	24	103	103	104	24	100	101	102	24
4/19	104	105	105	24	105	106	106	24	108	108	109	24	104	105	105	24	100	101	103	24
4/20	106	107	108	24	106	107	107	24	108	108	109	24	104	105	106	24	102	103	104	24
4/21	108	109	110	24	107	108	109	24	109	109	110	24	104	105	106	24	102	103	103	23
4/22	109	109	110	24	108	109	110	24	109	109	110	24	104	104	104	24	101	102	102	24
4/23	110	111	112	24	109	111	114	24	109	109	110	24	103	104	104	24	101	102	103	24
4/24				0	113	113	114	24	109	109	110	24	103	104	104	24	101	101	102	24

**Total Dissolved Gas Saturation Data at Snake River Sites** 

	Clrwtr-Lewiston Lower Granite						<u>nite</u>		L. Gra	anite 1	<u>lwr</u>		Little	Goos	<u>e</u>		L. Go	ose T	lwr	
	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avq</u>	<u>Avq</u>	<u>High</u>	<u>hr</u>
4/11	102	103	103	24	105	105	107	24	111	118	119	24	109	110	111	24	114	117	117	24
4/12	102	103	104	24	104	105	105	24	112	119	119	24	111	111	112	24	114	117	118	24
4/13	102	103	103	24	104	104	105	24	112	119	119	24	112	113	113	24	115	117	118	24
4/14	102	103	104	24	102	103	103	24	112	114	119	24	111	111	112	24	113	116	118	24
4/15	102	103	104	24	102	102	102	24	109	109	110	24	109	109	110	24	112	115	116	24
4/16	102	103	104	24	101	102	102	24	107	114	119	24	108	110	111	24	112	116	116	24
4/17	103	104	105	24	102	102	102	24	110	118	119	24	109	109	110	24	112	116	117	24
4/18	102	103	104	24	102	102	102	24	110	118	119	24	106	107	108	24	111	115	116	24
4/19	103	104	106	24	103	103	104	24	110	118	119	24	106	107	108	24	110	115	116	24
4/20	103	105	106	24	103	104	105	24	113	115	119	24	108	109	110	24	112	116	116	24
4/21	103	105	106	24	104	104	104	24	110	111	111	24	109	109	110	24	113	116	117	24
4/22		103	104	24	104	105	105	24	109	114	119	24	110	110	111	24	113	116	116	
4/23		104	105	24	105	106	107	24	112	119	119	24	111	111	111	14	113	114	116	14
4/24	102	103	104	24	103	104	104	24	112	115	119	24	110	110	111	16	112	113	116	16

Total Dissolved Gas Saturation Data at Snake and Lower Columbia River Sites

	<u>Lower Mon.</u> <u>L. Mon. Tlwr</u>					<u>/r</u>		Ice Ha	<u>arbor</u>			Ice H	<u>arbor</u>	<u>Tlwr</u>		<u>McNa</u>	ry-Or	<u>egon</u>		
	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>	<u>24 h</u>	<u>12 h</u>		<u>#</u>
Date	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	Avg	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	Avg	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>
4/11	114	115	115	24	118	118	119	24	113	114	116	24	113	114	114	24	105	107	110	24
4/12	114	114	116	24	118	118	120	24	116	117	119	24	114	114	115	24	106	107	110	24
4/13	114	115	116	24	118	118	119	24	115	116	117	24	114	114	115	24	109	110	113	24
4/14	114	115	116	24	117	118	118	24	114	114	115	24	114	114	115	24	107	108	108	24
4/15	113	113	114	24	117	118	119	24	112	112	113	24	114	115	116	24	107	107	108	24
4/16	112	113	115	24	117	118	119	24	112	113	113	24	114	114	116	24	108	109	113	24
4/17	112	113	114	24	117	118	119	24	113	113	114	24	114	115	117	24	107	108	109	24
4/18	111	112	115	24	117	118	119	24	113	113	113	24	113	114	116	24	107	108	109	24
4/19	110	111	112	24	117	118	118	24	113	115	117	24	113	114	114	24	107	109	112	24
4/20	111	112	113	24	117	119	120	24	114	115	116	24	113	114	114	24	107	108	109	24
4/21	112	113	115	24	117	119	120	24	116	116	116	24	113	114	115	24	109	110	113	24
4/22	112	113	114	24	118	119	120	24	115	116	116	24	114	115	117	24	109	109	110	24
4/23	112	112	113	14	117	117	119	13	114	114	115	14	113	113	114	13	108	109	112	24
4/24	112	112	113	23	117	118	118	23	112	113	114	24	114	114	115	24	107	107	108	24

## Total Dissolved Gas Saturation (%) - Average of 12 Highest Hours, 24 h Average and 24 h High

Total Dissolved Gas Saturation Data at Lower Columbia River Sites

	<u>McNa</u>	ry-Wa	ısh		<u>McNa</u>	ry Tlv	<u>vr</u>		<u>John</u>	Day			<u>John</u>	Day T	<u>lwr</u>		The [	Dalles		
	<u>24 h</u>	12 h		<u>#</u>	<u>24 h</u>	12 h		<u>#</u>	<u>24h</u>	<u>12h</u>		#	<u>24h</u>	<u>12h</u>		<u>#</u>	<u>24h</u>	<u>12h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>AVG</u>	<u>High</u>	<u>hr</u>												
4/11	106	107	108	24	104	105	106	24	103	103	104	23	102	103	103	24	105	106	106	23
4/12	109	110	111	24	107	107	108	24	106	107	108	23	104	104	105	24	104	104	104	23
4/13	109	109	110	24	107	107	108	24	105	105	106	23	104	104	105	24	104	104	104	23
4/14	108	108	109	24	109	111	117	24	104	104	104	23	107	111	119	24	103	104	104	23
4/15	107	107	107	24	112	117	118	24	104	104	104	23	110	117	119	24	106	108	111	23
4/16	107	107	108	24	112	117	118	24	104	104	105	23	111	118	119	24	108	110	112	23
4/17	108	108	108	24	114	118	119	24	105	105	105	23	111	118	119	24	108	111	112	23
4/18	106	106	106	24	112	118	120	24	104	104	104	23	111	117	118	24	106	108	109	23
4/19	106	107	109	24	113	120	121	24	105	107	109	23	111	117	118	24	107	110	114	23
4/20	108	109	110	24	113	119	121	24	108	110	112	23	112	117	118	24	109	111	114	23
4/21	109	110	110	23	113	118	122	24	109	109	109	23	113	117	119	24	110	112	114	23
4/22	109	110	110	24	117	119	122	24	108	108	109	23	112	117	118	24	108	109	111	23
4/23	108	108	109	24	116	120	122	24	109	110	111	23	113	118	119	24	109	112	114	23
4/24	108	108	109	24	116	119	120	24	110	110	110	23	113	117	118	24	110	112	113	23

Total Dissolved Gas Saturation Data at Lower Columbia River Site	Total Dissolved	Gas	Saturation	Data at	Lower	Columbia	River	Sites
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	The Dalles Dnst				Bonn	<u>eville</u>			Warre	endale	<u>)                                    </u>		Cama	ıs\Wa	shugal	
	<u>24 h</u>	12 h		<u>#</u>	<u>24 h</u>	12 h		<u>#</u>	<u>24h</u>	<u>12h</u>		<u>#</u>	<u>24h</u>	<u>12h</u>		<u>#</u>
<u>Date</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	Avg	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>	<u>Avg</u>	<u>Avg</u>	<u>High</u>	<u>hr</u>
4/11	105	107	107	24	103	103	104	23	104	104	104	23	104	105	105	24
4/12	104	104	105	24	104	104	105	23	104	105	105	23	105	105	106	24
4/13	104	104	105	24	105	106	106	23	106	106	107	23	104	105	106	24
4/14	105	106	112	24	103	103	104	23	107	109	110	23	105	105	106	24
4/15	114	115	117	24	103	103	103	23	110	112	115	23	107	109	111	24
4/16	115	116	117	24	106	109	110	23	116	117	118	23	109	112	113	24
4/17	115	117	117	24	112	113	113	23	119	119	119	23	114	115	116	24
4/18	114	115	117	24	110	110	111	23	118	119	119	23	114	115	115	24
4/19	115	116	119	24	110	111	111	23	119	119	120	23	114	115	116	24
4/20	116	117	119	24	113	114	115	23	116	117	119	23	116	116	117	24
4/21	116	117	118	24	112	112	113	23	115	117	119	23	113	114	115	24
4/22	115	116	117	24	109	109	110	23	117	118	118	23	112	115	116	24
4/23	116	118	120	24	109	110	111	23	117	118	118	23	113	114	116	24
4/24	116	117	118	24	111	112	112	23	114	116	118	23	113	114	115	24

#### HATCHERY RELEASE SUMMARY LAST TWO WEEKS

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Hatchery Release Summary 4/11/03

From:

Species Race MigYr NumRel RelRiver Hatchery RelStart RelEnd RelSite Agency Colville Tribe CH1 SP 2003 45.000 04-14-03 04-18-03 Omak Creek Winthrop NFH Okanogan River Colville Tribe Winthrop NFH CH1 SP 2003 100.000 04-14-03 04-18-03 Ellisford Pond Okanogan River Colville Tribe Total 145,000 Idaho Dept. of Fish and Wildlife Clearwater Hatchery ST SU 2003 106,000 04-17-03 04-30-03 Clear Creek Clearwater River M F Idaho Dept. of Fish and Wildlife Clearwater Hatchery ST SU 2003 148,000 04-17-03 04-30-03 Redhouse (SFk ClearH20 R) S Fk Clearwater River Idaho Dept. of Fish and Wildlife Clearwater Hatchery ST SU 251.700 04-17-03 04-30-03 Red River Acclim Pond S Fk Clearwater River 2003 Idaho Dept. of Fish and Wildlife Clearwater Hatchery ST SU 2003 263,700 04-17-03 04-30-03 Crooked R Acclim Pond S Fk Clearwater River Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST SU 2003 28,500 04-24-03 04-24-03 East Fk Salmon River Salmon River (ID) Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST SU 2003 54,000 04-12-03 04-12-03 Little Salmon River Salmon River (ID) SU Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST 2003 59,356 04-24-03 04-25-03 Squaw Creek Salmon River (ID) SH Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST 2003 128.035 04-15-03 04-15-03 Salmon River (ID) Salmon River (ID) Magic Valley Hatchery ST SH Idaho Dept. of Fish and Wildlife 2003 169,747 04-18-03 04-21-03 McNabb/Salmon River Salmon River (ID) SU Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST 2003 183,634 04-14-03 04-14-03 Hammer Creek Salmon River (ID) Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST SU 2003 202.079 04-23-03 Salmon River (ID) 04-23-03 Squaw Creek Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST SU 2003 222,000 04-24-03 04-24-03 East Fk Salmon River Salmon River (ID) Idaho Dept. of Fish and Wildlife Magic Valley Hatchery ST SU 2003 230,308 04-16-03 04-17-03 Shoup Br (Salmon R) Salmon River (ID) Idaho Dept. of Fish and Wildlife Niagara Springs ST SU 2003 830,000 04-12-03 04-30-03 Pahsimeroi Hatchery Pahsimeroi River Idaho Dept. of Fish and Wildlife Rapid River Hatchery CH1 SP Rapid River Hatchery 2003 2,330,557 03-17-03 04-28-03 Little Salmon River Idaho Dept. of Fish and Wildlife Sawtooth Hatchery CH1 SP 2003 144,976 04-07-03 04-18-03 Sawtooth Hatchery Salmon River (ID) SP Idaho Dept. of Fish and Wildlife Sawtooth Hatchery CH1 2003 960,193 04-07-03 04-18-03 Sawtooth Hatchery Salmon River (ID) Idaho Dept. of Fish and Wildlife Total 6,312,785 ST SU 2003 S Fk Clearwater River Nez Perce Tribe Clearwater Hatchery 24,600 04-17-03 04-30-03 Mill Cr Bridge Nez Perce Tribe ST SU Meadow Creek - CLES S Fk Clearwater River Clearwater Hatchery 2003 25,000 04-17-03 04-30-03 ST Lolo Creek Nez Perce Tribe Clearwater Hatchery SU 2003 49.500 04-17-03 04-30-03 Clearwater River M F SP Nez Perce Tribe Lookingglass Hatchery CH<sub>1</sub> 2003 133.170 03-28-03 04-14-03 Lostine Accim Pond Wallowa River Nez Perce Tribe CH1 FΑ 2003 Lyons Ferry Hatchery 140.383 04-13-03 04-14-03 Pittsburg Landing Acclim Pond Snake River Nez Perce Tribe Lyons Ferry Hatchery CH1 FΑ 2003 145,331 04-14-03 04-15-03 Big Canyon (Clearwater R) Clearwater River M F **Nez Perce Tribe Total** 517,984 Oregon Dept. of Fish and Wildlife Irrigon Hatchery Complex ST SU 2003 100,000 04-14-03 04-18-03 Big Sheep Creek Imnaha River Oregon Dept. of Fish and Wildlife Irrigon Hatchery Complex ST SU 166,000,04-14-03 Big Canyon Acclim.Pd (Grande Ro Grande Ronde River 2003 04-16-03 Oregon Dept. of Fish and Wildlife Irrigon Hatchery Complex ST SU 2003 330.000 04-11-03 04-15-03 Wallowa Acclim Pond Wallowa River Oregon Dept. of Fish and Wildlife Lookingglass Hatchery CH1 SP 2003 268,600 04-01-03 04-15-03 Imnaha Acclim Pond Imnaha River SP Oregon Dept. of Fish and Wildlife Round Butte Hatchery CH1 2003 320,000 04-15-03 05-09-03 Bel. Pelton Dam Deschutes River Oregon Dept. of Fish and Wildlife Total 1,184,600 Shoshone-Bannock Tribe Hagerman NFH ST SU 2003 05-16-03 Yankee Fk Pond Salmon River (ID) 139,445 04-18-03 Shoshone-Bannock Tribe Total 139,445 U.S. Fish and Wildlife Service Carson NFH CH1 SP 2003 1,678,000 04-16-03 04-17-03 Wind River Carson Hatchery U.S. Fish and Wildlife Service Dworshak NFH SU 200 000 04-14-03 04-18-03 ST 2003 Clear Creek Clearwater River M F U.S. Fish and Wildlife Service Dworshak NFH ST SU 2003 500.000 04-14-03 04-18-03 Redhouse (SFk ClearH20 R) S Fk Clearwater River U.S. Fish and Wildlife Service Dworshak NFH ST SU 2003 1.300.000 04-21-03 04-25-03 **Dworshak Hatchery** Clearwater River M F U.S. Fish and Wildlife Service **Entiat Hatchery** CH<sub>1</sub> SP 2003 395,000 04-15-03 04-15-03 **Entiat Hatchery Entiat River** U.S. Fish and Wildlife Service Hagerman NFH SU ST 2003 750,000 04-09-03 04-28-03 Sawtooth Hatchery Salmon River (ID) U.S. Fish and Wildlife Service Leavenworth NFH CH1 SP Leavenworth Hatchery 2003 1,290,800 04-21-03 04-21-03 Wenatchee River SP U.S. Fish and Wildlife Service Little White Salmon NFH CH1 2003 1,050,000 04-17-03 04-17-03 Little White Salmon Hatchery Little White Salmon Rive U.S. Fish and Wildlife Service Spring Creek NFH CH<sub>0</sub> FΑ 2003 4,070,365 04-14-03 04-14-03 Spring Creek Hatchery L Col R (D/s McN Dam) U.S. Fish and Wildlife Service Warm Springs NFH CH<sub>1</sub> SP 2003 620,000 03-26-03 04-16-03 Warm Springs Hatchery Deschutes River U.S. Fish and Wildlife Service UN Willard Hatchery CO 2003 634.000 04-17-03 04-17-03 Little White Salmon River Little White Salmon Rive SP U.S. Fish and Wildlife Service Winthrop NFH CH<sub>1</sub> 2003 460.000 04-15-03 04-15-03 Winthrop Hatchery Methow River UN 243,000 04-21-03 U.S. Fish and Wildlife Service Winthrop NFH CO 2003 05-02-03 Methow River Winthrop Hatchery U.S. Fish and Wildlife Service Winthrop NFH ST SU 2003 120,000 04-15-03 04-30-03 Winthrop Hatchery Methow River U.S. Fish and Wildlife Service Total 13,311,165 Umatilla Tribe Bonneville Hatchery CH1 FΑ 2003 240,000 04-11-03 04-18-03 Thornhollow Acclim Pond Umatilla River UN Umatilla River Umatilla Tribe Cascade Hatchery CO 2003 750,000 04-01-03 04-15-03 Pendelton Acclim Pond Umatilla Tribe Little White Salmon NFH CH1 SP 2003 350,000,04-10-03 04-18-03 Imegues Acclim Pond Umatilla River Umatilla Tribe Lookingglass Hatchery CH1 SP 2003 24,400 03-28-03 04-14-03 Catherine Cr Acclim Pond Grande Ronde River SP Umatilla Tribe Lookingglass Hatchery CH1 2003 127,200 03-28-03 04-14-03 Grande Ronde Acclim Pond Grande Ronde River SU Umatilla Tribe **Umatilla Hatchery** ST 2003 50,000 04-01-03 04-11-03 Bonifer Acclim Pond Umatilla River SU Umatilla Tribe **Umatilla Hatchery** ST 2003 50,000 04-21-03 04-30-03 Minthorn Acclimation Pond Umatilla River ST SU 04-30-03 Umatilla River Umatilla Tribe **Umatilla Hatchery** 2003 50.000 04-21-03 Pendelton Acclim Pond **Umatilla Tribe Total** 1,641,600 SU 2003 Warm Springs Tribe ST 39,900 04-03-03 05-01-03 Hood River Oak Springs Hatchery Blackberry Acclim Pond Warm Springs Tribe Oak Springs Hatchery ST WΙ 2003 26.679 04-10-03 04-29-03 Parkdale Acclim Pond Hood River Warm Springs Tribe Oak Springs Hatchery ST WΙ 2003 27.368 04-10-03 04-29-03 E Fk Irrig Dist Sand Trap Hood River Warm Springs Tribe Round Butte Hatchery CH1 SP 2003 40,231 04-07-03 04-22-03 Jones Creek Acclim Pond Hood River SP Warm Springs Tribe Round Butte Hatchery CH<sub>1</sub> 2003 55,978 04-07-03 04-22-03 Blackberry Acclim Pond Hood River Warm Springs Tribe Total 190,156

### HATCHERY RELEASE SUMMARY LAST TWO WEEKS (con't)

Washington Dept. of Fish and Wildlife   Seabank Hatchery   ST   SU   2003   31,000 04-14-03   04-30-03   Chiwawa Hatchery   Washington Dept. of Fish and Wildlife   Lyons Ferry Hatchery   ST   SU   2003   50,000 04-14-03   04-18-03   Chiwawa Hatchery   Washington Dept. of Fish and Wildlife   Lyons Ferry Hatchery   ST   SU   2003   60,000 04-14-03   04-18-03   Chiwawa Hatchery   Snake River   Washington Dept. of Fish and Wildlife   Lyons Ferry Hatchery   ST   SU   2003   10,000 04-14-03   04-18-03   Chiwas   Chiwama Hatchery   Washington Dept. of Fish and Wildlife   Lyons Ferry Hatchery   ST   SU   2003   125,000 04-14-03   04-18-03   Washington Dept. of Fish and Wildlife   Lyons Ferry Hatchery   ST   SU   2003   125,000 04-14-03   04-18-03   Washington Dept. of Fish and Wildlife   Lyons Ferry Hatchery   ST   SU   2003   125,000 04-14-03   04-18-03   Washington Dept. of Fish and Wildlife   Methow Hatchery   CH1   SP   2003   88,700 04-14-03   04-18-03   Washington Dept. of Fish and Wildlife   Methow Hatchery   CH1   SP   2003   88,700 04-14-03   04-25-03   Wildlife   Washington Dept. of Fish and Wildlife   Methow Hatchery   CH1   SP   2003   131,500 04-14-03   04-25-03   Wildlife   Washington Dept. of Fish and Wildlife   Skamania Hatchery   ST   SU   2003   200,000 04-10-03   04-25-03   Wildlife   Washington Dept. of Fish and Wildlife   Skamania Hatchery   ST   SU   2003   200,000 04-15-03   04-25-03   Washington Dept. of Fish and Wildlife   Skamania Hatchery   ST   SU   2003   200,000 04-15-03   04-25-03   Washington Dept. of Fish and Wildlife   Washington Dept. of Fish and Wild	Agency Hatchery S	pecies	Race	MigY	r NumRel Rel	Start Re	IEnd RelSite	RelRiver
Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         50,000 0414-03         0418-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         60,000 0414-03         0418-03         Lyons Ferry Hatchery         Snake River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         125,000 041-14-03         0418-03         Ualla Walla River         Walla Walla River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         135,000 041-00         04-30-03         Cutomwood Accilim Pond         Tucannon River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         CH         SP         2003         35,000 041-00         04-30-03         Cutomwood Accilim Pond         Grande River           Washington Dept. of Fish and Wildlife Hebrow Hatchery         CH1         SP         2003         326,2500 041-14-03         04-25-03         Mehow River         Methow River           Washington Dept. of Fish and Wildlife Tucher Rock Hatchery         ST         WI         2003         20,000 041-03         04-30-03         Ringlod Springs Hatchery         Michow River           Washington Dept. of Fish and Wildlife Tucher Rock H	Washington Dept. of Fish and Wildlife Eastbank Hatchery	CH1	SP	2003	378,000 04-21-03	04-30-03	Chiwawa Hatchery	Wenatchee River
Washington Dept. of Fish and WildlifeLyons Ferry Hatchery         ST         SU         2003         60,000 041-40-3         04-18-03         Lyons Ferry Hatchery         Snake River           Washington Dept. of Fish and WildlifeLyons Ferry Hatchery         ST         SU         2003         112,500 0414-14-03         04-18-03         Dayton Acclim Pond         Touchet River           Washington Dept. of Fish and WildlifeLyons Ferry Hatchery         ST         SU         2003         155,000 0414-03         04-18-03         Walan Walla Walla River         Walla Walla River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         35,700 0414-03         04-25-03         Cottonwood Acclim Pond         Grande Rond River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         131,500 041-03         04-25-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         171,000 04-09-03         04-30-03         River Machington Dept. of Fish and Wildlife Starmain Hatchery         ST         WI         2003         200,000 04-11-03         04-15-03         04-15-03         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SP         2003         150,0	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	31,000 04-14-03	04-18-03	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         100,000 04-01-03         04-30-03         Dayton Acclim Pond         Touchet River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         125,000 04-14-03         04-18-03         Walla River         Walla Walla River         Wall Walla River         Walla Wa	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	50,000 04-14-03	04-18-03	Curl Lake	Tucannon River
Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         125,000 0414-03         0418-03         Walla Walla River         Walla Walla River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         135,000 0414-03         0418-03         Tucannon River         Tucannon River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         131,500 0414-03         042-503         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         131,500 0414-03         042-503         Methow Hatchery         Methow River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         131,500 0414-03         042-503         Methow Hatchery         Methow River           Washington Dept. of Fish and Wildlife Skarania Hatchery         ST         WI         2003         20,000 0421-03         04-1503         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Tucannon Hatchery         CH1         SP         2003         150,000 03-15-03         04-18-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Wells Hatchery	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	60,000 04-14-03	04-18-03	Lyons Ferry Hatchery	Snake River
Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         135,000 04-14-03         04-18-03         Tucannon River         Tucannon River           Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery         ST         SU         2003         200,000 04-11-03         04-30-03         Twisp Accilim Pond         Grande Ronde River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         131,500 04-14-03         04-25-03         Methow Hatchery         Methow River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         21,500 04-14-03         04-25-03         Methow Hatchery         Methow River           Washington Dept. of Fish and Wildlife Near Mainaria Hatchery         ST         WI         2003         20,000 04-15-03         04-19-03         Cleavuch Accilim Pond         Mid-Columbia River           Washington Dept. of Fish and Wildlife Turannon Hatchery         ST         WI         2003         20,000 04-21-03         04-18-03         Cleavuch Accilim Pond         Mid-Columbia River           Washington Dept. of Fish and Wildlife Turannon Hatchery         CH1         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turale Ro	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	100,000 04-01-03	04-30-03	Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildlife Lytons Ferry Hatchery         ST         SU         2003         200,000 04-01-03         04-30-03         Cottonwood Acclim Pond         Grande Ronde River           Washington Dept. of Fish and Wildlife Methow Hatchery         CHI         SP         2003         58,700 04-14-03         04-25-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Kehrow Hatchery         CHI         SP         2003         131,500 04-14-03         04-25-03         Chewuch Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Repiash Hatchery         ST         SU         2003         170,000 04-09-03         04-15-03         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         20,000 04-15-03         04-15-03         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Tucannon Hatchery         CHI         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Tucle Rock Hatchery         CHI         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Wells Hatchery	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	125,000 04-14-03	04-18-03	Walla Walla River	Walla Walla River
Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         58,700 04-14-03         04-25-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         131,500 04-14-03         04-25-03         Methow Hatchery         Methow River           Washington Dept. of Fish and Wildlife Selamania Hatchery         ST         SU         2003         171,000 04-09-03         04-25-03         Chewich Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Suamania Hatchery         ST         WI         2003         20,000 04-15-03         04-16-03         Singlot Springs Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Tucannon Hatchery         CH1         SP         2003         150,000 34-15-03         04-18-03         Winte Salmon River         White Salmon River           Washington Dept. of Fish and Wildlife Tuclar Rock Hatchery         CH1         SP         2003         150,000 31-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         150,000 31-50-3         04-18-03         04-18-03         04-18-03         04-18-03         04-18-03         04-18-03         04-18-03 <td>Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery</td> <td>ST</td> <td>SU</td> <td>2003</td> <td>135,000 04-14-03</td> <td>04-18-03</td> <td>Tucannon River</td> <td>Tucannon River</td>	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	135,000 04-14-03	04-18-03	Tucannon River	Tucannon River
Washington Dept. of Fish and Wildlife Methow Hatchery         CHI         SP         2003         131,500 04-14-03         04-25-03         Methow Hatchery         Methow River           Washington Dept. of Fish and Wildlife Methor Washington Dept. of Fish and Wildlife Flest Rapids Hatchery         ST         SU         2003         226,500 04-14-03         04-25-03         Chewuch Accilim Pond         Methow River           Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         20,000 04-15-03         04-10-03         34-10-03         20,000 Method         Very Columbia River           Washington Dept. of Fish and Wildlife Tucannon Hatchery         CHI         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Tucannon Hatchery         CHI         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Tucle Rock Hatchery         CHI         SU         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Wells Hatchery         CHI         SU         2003         150,000 03-15-03         04-18-03         04-25-03         Tucker Rapids         Mid-Columbia River	Washington Dept. of Fish and Wildlife Lyons Ferry Hatchery	ST	SU	2003	200,000 04-01-03	04-30-03	Cottonwood Acclim Pond	Grande Ronde River
Washington Dept. of Fish and Wildlife Methow Hatchery         CH1         SP         2003         262,500         04-14-03         04-25-03         Chewuch Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         217,000 04-15-03         04-15-03         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         20,000 04-15-03         04-18-03         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Turcannon Hatchery         CH1         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turtle Rock Hatchery         CH1         SU         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         120,000 04-15-03         05-20-03         Above Rocky Reach Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         121,000 04-15-03         05-20-03         Bell Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife	Washington Dept. of Fish and Wildlife Methow Hatchery	CH1	SP	2003	58,700 04-14-03	04-25-03	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife Priest Rapids Hatchery         ST         SU         2003         171,000         04-90-03         04-30-03         Ringold Springs Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         20,000         04-15-03         04-16-03         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Tucannon Hatchery         CH1         SP         2003         150,000         03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turdle Rock Hatchery         CH1         SP         2003         150,000         03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turdle Rock Hatchery         CH1         SP         2003         150,000         03-15-03         05-20-03         Date Rock Rocky Reach Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         171,000         04-15-03         05-20-03         Bel Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         177,300         04-21-03         05-16-03	Washington Dept. of Fish and Wildlife Methow Hatchery	CH1	SP	2003	131,500 04-14-03	04-25-03	Methow Hatchery	Methow River
Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         20,000 04-15-03         04-15-03         Salmon Creek (WA)         Columbia River           Washington Dept. of Fish and Wildlife Skamania Hatchery         CHI         SP         2003         20,000 04-21-03         04-18-03         White Salmon River         White Salmon River           Washington Dept. of Fish and Wildlife Turcannon Hatchery         CHI         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turclle Rock Hatchery         CHI         SU         2003         150,000 03-15-03         05-20-03         Above Rocky Reach Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CHI         SU         2003         121,000 04-15-03         05-20-03         Turch Rock Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CHI         SU         2003         177,000 04-10-03         06-20-03         Wells Ratchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         177,000 04-10-03         06-16-03         Smilkameen Acclim Pod         Okanogan River           Washington Dept. of Fish and Wildlife Wel	Washington Dept. of Fish and Wildlife Methow Hatchery	CH1	SP	2003	262,500 04-14-03	04-25-03	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife Skamania Hatchery         ST         WI         2003         20,000 04-21-03         04-30-03         White Salmon River         White Salmon River           Washington Dept. of Fish and Wildlife Turule Rock Hatchery         CH1         SP         2003         150,000 03+15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turule Rock Hatchery         CH1         SP         2003         150,000 03+15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         120,000 04-18-03         05-20-03         Above Rockly Reach Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         121,000 04-14-03         04-25-03         Turtle Rock Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Wells Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Similkameen Acclim Pod         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery	Washington Dept. of Fish and Wildlife Priest Rapids Hatcher	y ST	SU	2003	171,000 04-09-03	04-30-03	Ringold Springs Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Tucannon Hatchery         CH1         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turtle Rock Hatchery         CH1         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turtle Rock Hatchery         CH1         SU         2003         120,000 04-15-03         05-23-03         Above Rocky Reach Dam         Mild-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         121,000 04-07-03         05-30-03         Bel. Priest Rapids Dam         Mild-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         177,300 04-14-03         05-30-03         Bel. Priest Rapids Dam         Mild-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Similkameen Acclim Pod         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells H	Washington Dept. of Fish and Wildlife Skamania Hatchery	ST	WI	2003	20,000 04-15-03	04-15-03	Salmon Creek (WA)	Columbia River
Washington Dept. of Fish and Wildlife Turler Rock Hatchery         CH1         SP         2003         150,000 03-15-03         04-18-03         Curl Lake         Tucannon River           Washington Dept. of Fish and Wildlife Turler Rock Hatchery         CH1         SU         2003         120,000 04-15-03         05-23-03         Above Rocky Reach Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         120,000 04-18-03         05-23-03         Bel. Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         177,300 04-14-03         04-30-03         Wells Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Okanogan River         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         177,950 04-12-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         177,050 04-12-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hat	Washington Dept. of Fish and Wildlife Skamania Hatchery	ST	WI	2003	20,000 04-21-03	04-30-03	White Salmon River	White Salmon River
Washington Dept. of Fish and Wildlife Turtle Rock Hatchery         CH1         SU         2003         120,000 04-15-03         05-23-03         Above Rocky Reach Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         204,400 04-18-03         05-20-03         Turtle Rock Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         121,000 04-07-03         05-30-03         Bel. Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         177,300 04-14-03         05-30-03         Bel. Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Okanogan River         Okanogan River         Okanogan River         Okanogan River         Okanogan River         Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Smill Ammeen Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Chewuch River         Methow Rive	Washington Dept. of Fish and Wildlife Tucannon Hatchery	CH1	SP	2003	150,000 03-15-03	04-18-03	Curl Lake	Tucannon River
Washington Dept. of Fish and Wildlife Turtle Rock Hatchery         CH1         SU         2003         204,400 04-18-03         04-25-03         Turtle Rock Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         121,000 04-07-03         05-30-03         Bel. Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         57,095 04-21-03         05-30-03         Bel. Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Okanogan River         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery<	Washington Dept. of Fish and Wildlife Tucannon Hatchery	CH1	SP	2003	150,000 03-15-03	04-18-03	Curl Lake	Tucannon River
Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         121,000 04-07-03         05-30-03         Bel. Priest Rapids Dam         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         177,300 04-14-03         04-30-03         Wells Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,095 04-21-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,095 04-21-03         05-16-03         Time Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,095 04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         170,7505 04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         CO	Washington Dept. of Fish and Wildlife Turtle Rock Hatchery	CH1	SU	2003	120,000 04-15-03	05-23-03	Above Rocky Reach Dam	Mid-Columbia River
Washington Dept. of Fish and Wildlife Wells Hatchery         CH1         SU         2003         177,300 04-14-03         04-30-03         Wells Hatchery         Mid-Columbia River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Okanogan River         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Similkameen Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Methow River         Methow River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         75,027 04-23-03         05-02-03         Wenatchee River         Wenatchee River           Yakama Tribe         Cle Elem Hatchery         CO         UN	Washington Dept. of Fish and Wildlife Turtle Rock Hatchery	CH1	SU	2003	204,400 04-18-03	04-25-03	Turtle Rock Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildliff∈Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Okanogan River         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095 04-21-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         105,890 04-15-03         05-16-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Yells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Yells Hatchery         CO         UN         2003         75,027 04-23-03         05-02-03         Methow River           Washington Dept. of Fish and Wildlife Yells Hatchery         CO         UN         2003         2	Washington Dept. of Fish and Wildlife Wells Hatchery	CH1	SU	2003	121,000 04-07-03	05-30-03	Bel. Priest Rapids Dam	Mid-Columbia River
Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         57,095         04-21-03         05-16-03         Similkameen Acclim Pd         Okanogan River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         105,890         04-15-03         05-16-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         CO         UN         2003         75,027         04-23-03         05-02-03         Methow River         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         453,098         04-23-03         05-02-03         lactole Creek         Wenatchee River	Washington Dept. of Fish and Wildlife Wells Hatchery	CH1	SU	2003	177,300 04-14-03	04-30-03	Wells Hatchery	Mid-Columbia River
Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         105,890         04-15-03         Twisp Acclim Pond         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055         04-21-03         05-10-03         Methow River           Washington Dept. of Fish and Wildlife Total         ST         SU         2003         30,939         05-02-03         Wenatchee         Wenatchee         Wenatchee         Wenatchee         River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         453,098         04-23-03         05-02-03         loicle Creek         Wenatchee River           Yakama Tribe	Washington Dept. of Fish and Wildlife Wells Hatchery	ST	SU	2003	57,095 04-21-03	05-16-03	Okanogan River	Okanogan River
Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Chewuch River         Methow River           Washington Dept. of Fish and Wildlife Wells Hatchery         ST         SU         2003         107,055 04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Total         3,099,590           Yakama Tribe         Cascade Hatchery         CO         UN         2003         75,027 04-23-03         05-02-03         Wenatchee River         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         272,755 04-23-03         05-02-03         Nason Creek         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         453,098 04-23-03         05-02-03         Icide Creek         Wenatchee River           Yakama Tribe         Cle Elem Hatchery         CH1         SP         2003         39,319 03-14-03         05-15-03         Easton Pond         Yakama River           Yakama Tribe         Cle Elem Hatchery         CH1         SP         2003         250,852 03-14-03         05-15-03         Jack Creek Acclim Pond         Yakama River           Yakama Tribe <td>Washington Dept. of Fish and Wildlife Wells Hatchery</td> <td>ST</td> <td>SU</td> <td>2003</td> <td>57,095 04-21-03</td> <td>05-16-03</td> <td>Similkameen Acclim Pd</td> <td>Okanogan River</td>	Washington Dept. of Fish and Wildlife Wells Hatchery	ST	SU	2003	57,095 04-21-03	05-16-03	Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildlife Total         ST         SU         2003         107,055 04-21-03         05-16-03         Methow River         Methow River           Washington Dept. of Fish and Wildlife Total         3,099,590         Wenatchee River         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         75,027 04-23-03         05-02-03         Wenatchee River         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         272,755 04-23-03         05-02-03         Meatchee River         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         453,098 04-23-03         05-02-03         Icicle Creek         Wenatchee River           Yakama Tribe         Cle Elem Hatchery         CH1         SP         2003         39,319 03-14-03         05-15-03         Easton Pond         Yakama River           Yakama Tribe         Cle Elem Hatchery         CH1         SP         2003         250,852 03-14-03         05-15-03         Jack Creek Acclim Pond         Yakama River           Yakama Tribe         Cle Elem Hatchery         CO         UN         2003         250,852 03-14-03         05-15-03         Lost Creek Acclim Pond         Yakama Riv	Washington Dept. of Fish and Wildlife Wells Hatchery	ST	SU	2003	105,890 04-15-03	05-16-03	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildlife Total         3,099,590           Yakama Tribe         Cascade Hatchery         CO         UN         2003         75,027 04-23-03         05-02-03         Wenatchee River         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         272,755 04-23-03         05-02-03         Nason Creek         Wenatchee River           Yakama Tribe         Cascade Hatchery         CO         UN         2003         453,098 04-23-03         05-02-03         lcicle Creek         Wenatchee River           Yakama Tribe         Cle Elem Hatchery         CH1         SP         2003         39,319 03-14-03         05-15-03         Easton Pond         Yakama River           Yakama Tribe         Cle Elem Hatchery         CH1         SP         2003         250,852 03-14-03         05-15-03         Lack Creek Acclim Pond         Yakama River           Yakama Tribe         Cle Elem Hatchery         CO         UN         2003         250,852 03-14-03         05-15-03         Jack Creek Acclim Pond         Yakama River           Yakama Tribe         Cle Elem Hatchery         CO         UN         2003         180,761 04-07-03         05-07-03         Lost Creek Acclim Pond         Yakama River           Yakama Tribe	Washington Dept. of Fish and Wildlife Wells Hatchery	ST	SU	2003	107,055 04-21-03	05-16-03	Chewuch River	Methow River
Yakama Tribe Cascade Hatchery CO UN 2003 75,027 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Cascade Hatchery CO UN 2003 272,755 04-23-03 05-02-03 Nason Creek Wenatchee River Yakama Tribe Cascade Hatchery CO UN 2003 453,098 04-23-03 05-02-03 lcicle Creek Wenatchee River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 39,319 03-14-03 05-15-03 Easton Pond Yakama River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 250,852 03-14-03 05-15-03 Clark Flat Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 82,525 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 262,046 04-07-03 05-07-03 Easton Pond Yakama River Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Willard Hatchery CO UN 2003 100,794 04-23-03 05-02-03 Little Wenatchee River Wenatchee River Yakama Tribe Total	Washington Dept. of Fish and Wildlife Wells Hatchery	ST	SU	2003	107,055 04-21-03	05-16-03	Methow River	Methow River
Yakama Tribe Cascade Hatchery CO UN 2003 272,755 04-23-03 05-02-03 Nason Creek Wenatchee River Yakama Tribe Cascade Hatchery CO UN 2003 453,098 04-23-03 05-02-03 lcicle Creek Wenatchee River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 39,319 03-14-03 05-15-03 Easton Pond Yakama River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 81,113 03-14-03 05-15-03 Clark Flat Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 250,852 03-14-03 05-15-03 Jack Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 82,525 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 262,046 04-07-03 05-07-03 Easton Pond Yakama River Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Total	Washington Dept. of Fish and Wildlife Total				3,099,590			
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Yakama Tribe Cle Elem Hatchery CH1 SP 2003 39,319 03-14-03 05-15-03 Easton Pond Yakama River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 81,113 03-14-03 05-15-03 Clark Flat Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CH1 SP 2003 250,852 03-14-03 05-15-03 Jack Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 82,525 04-07-03 05-07-03 Jack Creek Acclim Pond Yakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama River Yakama Tribe Yakama Tribe Cle Elem Hatchery CO UN 2003 262,046 04-07-03 05-07-03 Easton Pond Yakama River Yakama River Yakama Tribe Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama River Yakama Tribe Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Yakama Tribe Total	Yakama Tribe Cascade Hatchery	CO	UN	2003	272,755 04-23-03	05-02-03	Nason Creek	Wenatchee River
Yakama Tribe Cle Elem Hatchery CH1 SP 2003 81,113 03-14-03 05-15-03 Clark Flat Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 82,525 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama River Yakama Tribe Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama River Yakama Tribe Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 05-07-03 Yakama River Yakama River Yakama River Yakama Tribe Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Yakama Tribe Total	Yakama Tribe Cascade Hatchery	CO	UN	2003	453,098 04-23-03	05-02-03	Icicle Creek	Wenatchee River
Yakama Tribe Cle Elem Hatchery CO UN 2003 250,852 03-14-03 05-15-03 Jack Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 82,525 04-07-03 05-07-03 Vakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 262,046 04-07-03 05-07-03 Easton Pond Yakama River Yakama River Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama River Yakama Tribe Yakama Tribe Willard Hatchery CO UN 2003 169,629 04-07-03 05-07-03 Vakama River Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Yakama Tribe Total	Yakama Tribe Cle Elem Hatchery	CH1	SP	2003	39,319 03-14-03	05-15-03	Easton Pond	Yakama River
Yakama Tribe Cle Elem Hatchery CO UN 2003 82,525 04-07-03 05-07-03 Yakama River Yakama River Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama River Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 05-07-03 Easton Pond Yakama River Yakama River Yakama River Yakama Tribe Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 17,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Yakama Tribe Total	Yakama Tribe Cle Elem Hatchery	CH1	SP	2003	81,113 03-14-03	05-15-03	Clark Flat Acclim Pond	Yakama River
Yakama Tribe Cle Elem Hatchery CO UN 2003 180,761 04-07-03 05-07-03 Lost Creek Acclim Pond Yakama River Yakama Tribe Cle Elem Hatchery CO UN 2003 262,046 04-07-03 05-07-03 Easton Pond Yakama River Yakama River Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama River Yakama Tribe Yakama Tribe Willard Hatchery CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Yakama Tribe Total	Yakama Tribe Cle Elem Hatchery	CH1	SP	2003	250,852 03-14-03	05-15-03	Jack Creek Acclim Pond	Yakama River
Yakama Tribe Cle Elem Hatchery CO UN 2003 262,046 04-07-03 05-07-03 Easton Pond Yakama River Yakama Tribe Prosser Acclim. Pond CHO FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Total Villard Hatchery CO UN 2003 100,794 04-23-03 05-02-03 Little Wenatchee River Wenatchee River Yakama Tribe Total	Yakama Tribe Cle Elem Hatchery	CO	UN	2003	82,525 04-07-03	05-07-03	Yakama River	Yakama River
Yakama Tribe Prosser Acclim. Pond CH0 FA 2003 12,000 04-12-03 04-13-03 Yakama River Yakama River Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Total CH0 FA 2003 12,000 04-12-03 05-07-03 Yakama River Yakama River Yakama Tribe Total Stiles Pond CO UN 2003 17,482 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Total 2,000 04-12-03 05-07-03 Yakama River	Yakama Tribe Cle Elem Hatchery	CO	UN	2003	180,761 04-07-03	05-07-03	Lost Creek Acclim Pond	Yakama River
Yakama Tribe Stiles Pond CO UN 2003 169,629 04-07-03 05-07-03 Yakama River Yakama River Yakama Tribe Willard Hatchery CO UN 2003 37,483 04-23-03 05-02-03 Wenatchee River Wenatchee River Yakama Tribe Total CO UN 2003 100,794 04-23-03 05-02-03 Little Wenatchee River Wenatchee River Yakama Tribe Total	Yakama Tribe Cle Elem Hatchery	CO	UN	2003	262,046 04-07-03	05-07-03	Easton Pond	Yakama River
Yakama TribeWillard HatcheryCOUN200337,483 04-23-0305-02-03Wenatchee RiverWenatchee RiverYakama TribeWillard HatcheryCOUN2003100,794 04-23-0305-02-03Little Wenatchee RiverWenatchee RiverYakama Tribe Total2,017,402	Yakama Tribe Prosser Acclim. Pond	CH0	FA	2003	12,000 04-12-03	04-13-03	Yakama River	Yakama River
Yakama Tribe Willard Hatchery CO UN 2003 100,794 04-23-03 05-02-03 Little Wenatchee River Wenatchee River  Yakama Tribe Total 2,017,402	Yakama Tribe Stiles Pond	CO	UN	2003	169,629 04-07-03	05-07-03	Yakama River	Yakama River
Yakama Tribe Total 2,017,402	Yakama Tribe Willard Hatchery	CO	UN	2003	37,483 04-23-03	05-02-03	Wenatchee River	Wenatchee River
, .	Yakama Tribe Willard Hatchery	CO	UN	2003	100,794 04-23-03	05-02-03	Little Wenatchee River	Wenatchee River
	Yakama Tribe Total				2,017,402			
Grand Total 28,559,727	Grand Total				28,559,727			

#### HATCHERY RELEASE SUMMARY NEXT TWO WEEKS

Hatchery Release Summary 4/25/03 to 5/8/03

		latchery F	Release		-				
	From:	4/25/03		to	5/8/03				
Agency	Hatchery	Species	Race	MiaYr	NumRel	ReiStart	RelEnd	RelSite	RelRiver
Idaho Dept. of Fish and Wildlife	Clearwater Hatchery	ST	SU	2003				Clear Creek	Clearwater River M F
Idaho Dept. of Fish and Wildlife	Clearwater Hatchery	ST	SU	2003	,			Redhouse (SFk ClearH20 R)	
Idaho Dept. of Fish and Wildlife	Clearwater Hatchery	ST	SU	2003				Red River Acclim Pond	S Fk Clearwater R
Idaho Dept. of Fish and Wildlife	Clearwater Hatchery	ST	SU	2003				Crooked R Acclim Pond	S Fk Clearwater R
Idaho Dept. of Fish and Wildlife	Magic Valley Hatchery	ST	SU	2003				Salmon River (ID)	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Magic Valley Hatchery	ST	SU	2003				Squaw Creek	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Magic Valley Hatchery	ST	SU	2003				Yankee Fk (Salmon R)	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Magic Valley Hatchery	ST	SU	2003				Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Niagara Springs	ST	SU	2003	170,000	05-01-03	05-04-03	Little Salmon River	Salmon River (ID)
Idaho Dept. of Fish and Wildlife	Niagara Springs	ST	SU	2003	830,000	04-12-03	04-30-03	Pahsimeroi Hatchery	Pahsimeroi River
Idaho Dept. of Fish and Wildlife	Rapid River Hatchery	CH1	SP	2003				Rapid River Hatchery	Little Salmon River
Idaho Dept. of Fish and Wildlife T	otal				4,569,313				
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2003	24,600	04-17-03	04-30-03	Mill Cr Bridge	S Fk Clearwater R
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2003	25,000	04-17-03	04-30-03	Meadow Creek - CLES	S Fk Clearwater R
Nez Perce Tribe	Clearwater Hatchery	ST	SU	2003	,			Lolo Creek	Clearwater River M F
Nez Perce Tribe	Dworshak NFH	CO	UN	2003	295,000	05-01-03	05-01-03	Clear Creek	Clearwater River M F
Nez Perce Tribe	Hagerman NFH	ST	SU	2003			05-05-03	American River	S Fk Clearwater R
Nez Perce Tribe Total					494,100				
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Comple		SU	2003	,			Deer Creek	Grande Ronde River
Oregon Dept. of Fish and Wildlife	Irrigon Hatchery Comple		SU	2003				L Sheep Acclim Pond	Imnaha River
Oregon Dept. of Fish and Wildlife	Round Butte Hatchery	CH1	SP	2003			05-09-03	Bel. Pelton Dam	Deschutes River
Oregon Dept. of Fish and Wildlife					399,500				
Shoshone-Bannock Tribe	Hagerman NFH	ST	SU	2003	, -		05-16-03	Yankee Fk Pond	Salmon River (ID)
Shoshone-Bannock Tribe Total	B. L. LNEU	O-T	011		139,445			5	
U.S. Fish and Wildlife Service	Dworshak NFH	ST	SU	2003				Dworshak Hatchery	Clearwater River M F
U.S. Fish and Wildlife Service	Hagerman NFH	ST	SU	2003				Sawtooth Hatchery	Salmon River (ID)
U.S. Fish and Wildlife Service	Spring Creek NFH	CH0	FA	2003				Spring Creek Hatchery	L Col R (D/s McN Dam)
U.S. Fish and Wildlife Service	Winthrop NFH	CO	UN	2003				Winthrop Hatchery	Methow River
U.S. Fish and Wildlife Service U.S. Fish and Wildlife Service To	Winthrop NFH	ST	SU	2003	•		04-30-03	Winthrop Hatchery	Methow River
		ST	SU	2002	5,913,000		04 20 02	Minthern Applimation Bond	Umatilla River
Umatilla Tribe Umatilla Tribe	Umatilla Hatchery Umatilla Hatchery	ST	SU	2003 2003	,			Minthorn Acclimation Pond Pendelton Acclim Pond	Umatilla River
Umatilla Tribe Total	Omailia Halchery	31	30	2003	100,000		04-30-03	Pendenon Accimi Pond	Umalila Rivel
Warm Springs Tribe	Oak Springs Hatchery	ST	SU	2003	•		05-01-03	Blackberry Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2003				Parkdale Acclim Pond	Hood River
Warm Springs Tribe	Oak Springs Hatchery	ST	WI	2003	-,			E Fk Irrig Dist Sand Trap	Hood River
Warm Springs Tribe Total	our opinigo riatoriory	01	***	2000	93,947		01 20 00	2 TK IIIIg Blot Galla Trap	TIOOG TAIVOI
Washington Dept. of Fish and Wildl	if Fastbank Hatchery	CH1	SP	2003			04-30-03	Chiwawa Hatchery	Wenatchee R
Washington Dept. of Fish and Wildl		CH1	SU	2003				Similkameen Acclim Pd	Okanogan R
Washington Dept. of Fish and Wildl		CH1	SU	2003				Wenatchee River	Wenatchee R
Washington Dept. of Fish and Wildl		CH1	SU	2003				Carlton Acclim Pond	Methow River
Washington Dept. of Fish and Wildl	•	CH1	SU	2003				Dryden Acclim Pond	Wenatchee R
Washington Dept. of Fish and Wildl	if Lyons Ferry Hatchery	ST	SU	2003				Dayton Acclim Pond	Touchet River
Washington Dept. of Fish and Wildl	if Lyons Ferry Hatchery	ST	SU	2003				Cottonwood Acclim Pond	Grande Ronde R
Washington Dept. of Fish and Wildl	if Methow Hatchery	CH1	SP	2003	58,700	04-14-03	04-25-03	Twisp Acclim Pond	Methow River
Washington Dept. of Fish and Wildl	if Methow Hatchery	CH1	SP	2003	131,500	04-14-03	04-25-03	Methow Hatchery	Methow River
Washington Dept. of Fish and Wildl	if Methow Hatchery	CH1	SP	2003	262,500	04-14-03	04-25-03	Chewuch Acclim Pond	Methow River
Washington Dept. of Fish and Wildl	if Priest Rapids Hatchery	ST	SU	2003	171,000	04-09-03	04-30-03	Ringold Springs Hatchery	Mid-Columbia R
Washington Dept. of Fish and Wildl	if Skamania Hatchery	ST	WI	2003	20,000	04-21-03	04-30-03	White Salmon River	White Salmon R
Washington Dept. of Fish and Wildl	if Turtle Rock Hatchery	CH1	SU	2003				Above Rocky Reach Dam	Mid-Columbia R
Washington Dept. of Fish and Wildl	-	CH1	SU	2003				Turtle Rock Hatchery	Mid-Columbia R
Washington Dept. of Fish and Wildl	•	ST	SU	2003				Nason Creek	Wenatchee R
Washington Dept. of Fish and Wildl	•	ST	SU	2003				Chiwawa Hatchery	Wenatchee R
Washington Dept. of Fish and Wildl		ST	SU	2003				Chiwawa Hatchery	Wenatchee R
Washington Dept. of Fish and Wildl	•	ST	SU	2003				Nason Creek	Wenatchee R
Washington Dept. of Fish and Wildl		CH1	SU	2003				Bel. Priest Rapids Dam	Mid-Columbia R
Washington Dept. of Fish and Wildle		CH1	SU	2003				Wells Hatchery	Mid-Columbia R
Washington Dept. of Fish and Wildle	•	ST	SU	2003				Okanogan River	Okanogan River
Washington Dept. of Fish and Wildle		ST eT	SU	2003				Similkameen Acclim Pd	Okanogan River
Washington Dept. of Fish and Wildle	•	ST ST	SU SU	2003 2003				Twisp Acclim Pond	Methow River Methow River
Washington Dept. of Fish and Wildl Washington Dept. of Fish and Wildl		ST	SU	2003	•			Chewuch River Methow River	Methow River
Washington Dept. of Fish and Wi		31	30	2003	3,604,640		00-10-03	INICHIOM IZIACI	INICHIOM IZIVEI
Tradinington Dept. of Fidin and Wi	idino iotai				3,004,040				

## HATCHERY RELEASE SUMMARY NEXT TWO WEEKS (con't)

Agency	Hatchery	Species	Race	MigYı	r NumRel RelStart RelEnd RelSite	RelRiver
Yakama Tribe	Cascade Hatchery	СО	UN	2003	75,027 04-23-03 05-02-03 Wenatchee River	Wenatchee R
Yakama Tribe	Cascade Hatchery	CO	UN	2003	272,755 04-23-03 05-02-03 Nason Creek	Wenatchee R
Yakama Tribe	Cascade Hatchery	CO	UN	2003	453,098 04-23-03 05-02-03 Icicle Creek	Wenatchee R
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2003	39,319 03-14-03 05-15-03 Easton Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2003	81,113 03-14-03 05-15-03 Clark Flat Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CH1	SP	2003	250,852 03-14-03 05-15-03 Jack Creek Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CO	UN	2003	82,525 04-07-03 05-07-03 Yakama River	Yakama River
Yakama Tribe	Cle Elem Hatchery	CO	UN	2003	180,761 04-07-03 05-07-03 Lost Creek Acclim Pond	Yakama River
Yakama Tribe	Cle Elem Hatchery	CO	UN	2003	262,046 04-07-03 05-07-03 Easton Pond	Yakama R
Yakama Tribe	Klickitat Hatchery	CH0	SP	2003	300,000 05-06-03 05-07-03 Klickitat River	Klickitat R
Yakama Tribe	Stiles Pond	CO	UN	2003	169,629 04-07-03 05-07-03 Yakama River	Yakama R
Yakama Tribe	Willard Hatchery	CO	UN	2003	37,483 04-23-03 05-02-03 Wenatchee River	Wenatchee R
Yakama Tribe	Willard Hatchery	CO	UN	2003	100,794 04-23-03 05-02-03 Little Wenatchee River	Wenatchee R
Yakama Tribe Total					2,305,402	
Grand Total					17,619,347	

## Two-Week Summary of Passage Indices

					COMB	NED YEA	RLING CH	IINOOK				
	T	WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date	l	(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
04/11/2003	l	493	1,074	146	5	4,128	664	6,918	3	1,354	2,642	5,951
04/12/2003	*		1,954			10,464	1,342	9,887	6		1,840	7,790
04/13/2003			1,189			15,909	3,341	4,459	5	4,973	2,560	5,100
04/14/2003	*	1,682	1,223	130	5	36,020	4,550	8,536	4		2,808	4,815
04/15/2003	*	1,936	1,072	196	145	20,713	4,167	7,033	2	8,307	2,173	8,486
04/16/2003	*	1,469	770	189	235	18,860	11,159	5,924	137		1,478	14,261
04/17/2003		449	744	317	77	39,839	8,963	6,298	647	6,646	1,171	18,612
04/18/2003	*	193	432	264	84	30,962	9,310	6,778	191		3,641	48,690
04/19/2003	*		943			37,034	11,153	8,733	224	15,423	4,497	77,547
04/20/2003	*		851			43,732	10,332	7,001	125		5,720	111,984
04/21/2003	*	64	614	153	4	40,568	9,761	7,236	69	5,663	6,592	61,443
04/22/2003	*	56	410	112	13	69,019	15,910	8,223	10		5,274	51,590
04/23/2003	*	115	608	160	9	95,806	20,212	13,526		14,236	6,500	66,845
04/24/2003	*	469	407	148	31	99,732	62,404	9,086	567		11,171	68,424
Total:		6,926	12,291	1,815	608	562,786	173,268	109,638	1,990	56,602	58,067	551,538
# Days:		10	14	10	10	14	14	14	13	7	14	14
Average:		693	878	182	61	40,199	12,376	7,831	153	8,086	4,148	39,396
YTD		25,976	31,086	9,987	742	650,967	177,589	143,276	2,038	59,689	70,800	585,122

	_	1			_			_				
					COMBINI	ED SUBYE	EARLING (	CHINOOK				
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)	(INDEX)
04/11/2003		0	0	0	1	406	6	21	21	813	66	575
04/12/2003	*		0			115	0	0	4		56	584
04/13/2003			0			28	6	0	28	1,446	24	368
04/14/2003	*	0	0	0	2	167	0	24	33		8	817
04/15/2003	*	0	0	0	0	402	0	0	73	1,114	42	16,149
04/16/2003	*	0	1	0	5	132	0	0	116		43	563,878
04/17/2003		0	0	0	1	340	0	0	95	1,491	23	107,697
04/18/2003	*	0	0	0	0	0	0	0	52		26	12,645
04/19/2003	*		0			0	0	0	37	925	11	12,156
04/20/2003	*		0			0	0	0	8		0	6,639
04/21/2003	*	0	0	1	2	149	0	0	40	1,008	14	7,164
04/22/2003	*	0	0	0	2	144	35	0	1		0	7,107
04/23/2003	*	0	2	0	2	0	0	0		524	0	1,692
04/24/2003	*	0	0	0	0	415	0	0	39		0	3,769
Total:		0	3	1	15	2,298	47	45	547	7,321	313	741,240
# Days:		10	14	10	10	14	14	14	13	7	14	14
Average:		0	0	0	2	164	3	3	42	1,046	22	52,946
YTD		1	8	7	80	3,487	52	165	1,168	15,945	743	1,094,489

Smolt indices, clipped & unclipped or combined, are presented in the following order: yearling chinook (chinook 1's,) subyearling chinook (chinook 0's), steelhead, coho, and sockeye. Two classes of fish counts are shown in these tables: collection counts, which account for sample rates but are not adjusted for flow; and passage indices, which are collection counts divided by the proportion of water passing through the sampled powerhouse. Passage indices are not population estimates, but are used to adjust collection counts for daily fluctuations in the site's or project's operations. The classes of counts presented in the report are defined below for each site. Most samples occur over a 24-hr period that spans two calendar days. In this report, the date shown corresponds with the sample end date.

<sup>\*</sup> See sampling comments <a href="http://www.fpc.org/currentDaily/smpcomments.htm">http://www.fpc.org/currentDaily/smpcomments.htm</a>

## **Two-Week Summary of Passage Indices**

						COMBINI						
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)						
04/11/2003		0	0	0	0	0	0	0	0	7	38	908
04/12/2003	*		0			0	6	0	0		0	869
04/13/2003			0			0	6	0	0	7	32	907
04/14/2003	*	0	0	0	0	0	0	0	0		16	1,032
04/15/2003	*	0	0	0	0	0	5	0	0	16	21	436
04/16/2003	*	0	0	0	3	0	0	0	0		0	2,170
04/17/2003		0	0	0	2	0	0	0	4	16	23	2,349
04/18/2003	*	0	0	0	0	0	27	0	1		52	2,326
04/19/2003	*		0			142	87	0	0	65	57	1,806
04/20/2003	*		0			0	71	0	0		77	3,541
04/21/2003	*	0	0	0	0	0	29	0	3	0	85	4,493
04/22/2003	*	0	0	0	0	0	0	0	1		18	7,633
04/23/2003	*	0	0	0	0	0	0	0		37	148	14,102
04/24/2003	*	0	0	0	0	0	0	0	5		218	29,573
Total:		0	0	0	5	142	231	0	14	148	785	72,145
# Days:		10	14	10	10	14	14	14	13	7	14	14
Average:		0	0	0	1	10	17	0	1	21	56	5,153
YTD		0	0	0	10	269	237	0	14	160	840	75,876

					CC	MBINED	STEELHE	AD				
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)						
04/11/2003		43	138	0	13	3,655	810	666	1	440	1,091	1,201
04/12/2003	*		500			3,286	1,176	603	3		912	1,019
04/13/2003			264			3,306	1,357	621	0	1,020	1,016	1,077
04/14/2003	*	22	241	30	107	4,419	1,850	1,394	5		856	1,146
04/15/2003	*	19	309	154	231	9,921	3,117	1,501	0	900	700	1,794
04/16/2003	*	23	717	348	80	14,447	2,805	1,497	4		431	310
04/17/2003		37	1,548	6	89	25,970	4,762	3,221	7	1,078	283	0
04/18/2003	*	44	3,419	273	172	31,658	7,330	7,826	7		844	727
04/19/2003	*		1,738			25,683	6,681	8,019	9	4,058	879	2,453
04/20/2003	*		818			32,762	8,120	4,430	5		772	1,475
04/21/2003	*	25	487	150	66	26,748	11,148	7,641	8	1,123	923	3,157
04/22/2003	*	61	338	48	263	34,870	7,290	6,508	0		896	3,422
04/23/2003	*	68	452	48	62	26,356	15,171	6,348		4,720	1,669	6,205
04/24/2003	*	93	1,237	14	114	35,041	13,644	7,217	40		3,521	1,740
Total:		435	12,206	1,071	1,197	278,122	85,261	57,492	89	13,339	14,793	25,726
# Days:		10	14	10	10	14	14	14	13	7	14	14
Average:		44	872	107	120	19,866	6,090	4,107	7	1,906	1,057	1,838
YTD		602	13,158	1,171	1,325	309,246	88,456	60,033	100	16,488	20,268	33,874

<sup>\*</sup> See sampling comments

#### Two-Week Summary of Passage Indices

					C	OMBINED						
		WTB	IMN	GRN	LEW	LGR	LGS	LMN	RIS	MCN	JDA	BO2
Date		(Coll)	(Coll)	(Coll)	(Coll)	(INDEX)						
04/11/2003		0	0	0	0	0	6	0	93	14	0	11
04/12/2003	*		0			0	0	0	173		8	15
04/13/2003			0			57	42	0	4	53	0	0
04/14/2003	*	0	0	0	0	0	10	24	2		0	29
04/15/2003	*	0	0	0	0	0	20	23	46	63	11	0
04/16/2003	*	0	0	0	0	0	0	31	120		0	0
04/17/2003		0	0	0	0	0	0	0	90	32	0	0
04/18/2003	*	0	0	0	0	0	0	0	69		0	0
04/19/2003	*		0			142	0	0	157	16	0	0
04/20/2003	*		0			0	64	0	291		22	0
04/21/2003	*	0	0	0	0	0	0	0	278	39	0	0
04/22/2003	*	0	0	0	0	0	0	0	25		34	0
04/23/2003	*	0	0	0	0	0	0	0		489	0	282
04/24/2003	*	0	0	0	0	0	0	0	251		0	0
Total:		0	0	0	0	199	142	78	1,599	706	75	337
# Days:		10	14	10	10	14	14	14	13	7	14	14
Average:		0	0	0	0	14	10	6	123	101	5	24
YTD		0	0	0	0	308	167	138	1,669	770	121	468

<sup>\*</sup> See sampling comments

http://www.fpc.org/currentDaily/smpcomments.htm

#### **Definitions for Smolt Index Counts**

WTB (Collection) = Salmon River Trap at Whitebird : Collection Counts

IMN (Collection) = Imnaha River Trap: Collection Counts

GRN (Collection) = Grande Ronde River Trap : Collection Counts

LEW (Collection) = Snake River Trap at Lewiston : Collection Counts

LGR (Index) = Lower Granite Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LGS (Index) = Little Goose Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

LMN (Index) = Lower Monumental Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

RIS (Index) = Rock Island Dam Second Powerhouse Bypass Trap : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

MCN (Index) = McNary Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

JDA (Index) = John Day Dam Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse Flow / (Powerhouse Flow + Spill)}

BO2 (Index) = Bonneville Dam Second Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 2 Flow / (Powerhouse 1 & 2 Flow + Spill)}

BO1 (Index) = Bonneville Dam First Powerhouse Bypass Collection System : Passage Index Counts

Passage Index = Collection Counts / {Powerhouse 1 Flow / (Powerhouse 1 & 2 Flow + Spill)}

JDA and BO2 data collected for the FPC by Pacific States Marine Fisheries Commission.

RIS data collected for the FPC by Chelan Co. PUD/Washington Dept. of Fish and Wildlife.

LGR, LMN, and MCN data collected for the FPC by Washington Dept. of Fish and Wildlife.

LGS and GRN data collected for the FPC by Oregon Dept. of Fish and Wildlife.

IMN data collected for the FPC by the Nez Perce Tribe.

#### Cumulative Adult Passage at Mainstem Dams Through: 04/24

			Spring C	Chinook					Summer	Chinool	(				Fall Ch	inook		
	200	3	200	02	10-Yr	Avg.	20	03	20	02	10-Yr	Avg.	20	03	200	)2	10-Yı	Avg.
DAM	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack	Adult	Jack
BON	111,851	759	64,221	241	59,570	466	0	0	0	0	0	0	0	0	0	0	0	0
TDA	69,944	225	21,553	30	32,858	194	0	0	0	0	0	0	0	0	0	0	0	0
JDA	49,866	122	11,764	15	22,452	88	0	0	0	0	0	0	0	0	0	0	0	0
MCN	45,035	189	4,743	30	15,933	70	0	0	0	0	0	0	0	0	0	0	0	0
IHR	32,222	66	2,013	1	8,647	30	0	0	0	0	0	0	0	0	0	0	0	0
LMN	24,563	39	1,401	10	7,209	14	0	0	0	0	0	0	0	0	0	0	0	0
LGS	17,776	53	584	4	5,623	34	0	0	0	0	0	0	0	0	0	0	0	0
LWG	18,472	22	285	1	4,039	3	0	0	0	0	0	0	0	0	0	0	0	0
PRD	6,524	1	303	0	1,290	0	0	0	0	0	0	0	0	0	0	0	0	0
RIS	2,907	20	72	2	231	0	0	0	0	0	0	0	0	0	0	0	0	0
RRH	331	0	9	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

			Coh	0				Sockeye	•		Steel	head	
	200	)3	200	)2	10-Yr	Avg.			10-Yr			10-Yr	Wild
DAM	Adult	Jack	Adult	Jack	Adult	Jack	2003	2002	Avg.	2003	2002	Avg.	2003
BON	0	0	0	0	0	0	0	0	0	2,412	3,375	2,029	582
TDA	0	0	0	0	0	0	0	0	0	761	2,184	906	422
JDA	0	0	0	0	0	0	0	0	0	1,293	6,788	2,724	774
MCN	0	0	0	0	0	0	0	0	0	1,290	4,491	1,747	767
IHR	0	0	0	0	0	0	0	0	0	1,355	4,389	2,096	654
LMN	0	0	0	0	0	0	0	0	0	1,692	4,742	2,197	991
LGS	0	0	0	0	0	0	1	0	0	1,797	5,585	1,543	1,064
LWG	0	0	0	0	0	0	0	0	0	15,472	11,751	5,199	3,449
PRD	0	0	0	0	0	0	1	0	0	5	21	2	0
RIS	0	0	0	0	0	0	0	0	0	13	31	15	10
RRH	0	0	0	0	0	0	0	0	0	32	103	30	22
WEL	0	0	0	0	0	0	0	0	0	0	0	0	0

IHR, LMN, LGS are missing data for 4/23. LGR is missing data for 3/6.

RIS, RRH are through 04/23. Although WEL began their counts early on 4/15, they won't have data posted until May 1.

These numbers were collected from the COE's Running Sums text files, except where otherwise noted.

Wild steelhead numbers are included in the total.

Historic counts (pre-1996) were obtained from CRITFC and compiled by the FPC.

Historic counts 1997 to present were obtained from the Corps of Engineers.

\*As Chelan CO PUD does not report wild, these numbers are from the COE.

Page last updated on: 4/25/03

BON counts from January 1, 2003 to March 14, 2003 (our counts begin March 15)

ĺ	Chinook Adult	Chinook Jack	Steelhead	Wild Steelhead
ĺ	3,758	0	3,443	408

<sup>\*\*</sup>PRD is not reporting Wild Steelhead numbers.

## **Two Week Transportation Summary**

04/12/03 TO 04/25/03

		0 <del>-1</del> /12/03	10	0-123103			
		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	1,609	399,149	100	140	196,570	597,568
	Sum of NumberBarged	1,608	386,569	100	136	188,976	577,389
	Sum of NumberBypassed	0	11,832	0	0	7,465	19,297
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	1	748	0	4	129	882
LGS	Sum of NumberCollected	33	128,884	166	100	62,495	191,678
	Sum of NumberBarged	33	128,685	164	99	62,458	191,439
	Sum of NumberBypassed	0	1	0	0	0	1
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	0	176	1	1	37	215
LMN	Sum of NumberCollected	25	60,380		50	31,106	91,561
	Sum of NumberBarged	25	60,101		50	31,014	91,190
	Sum of NumberBypassed	0	125		0	76	201
	Sum of Numbertrucked	0	0		0	0	0
	Sum of TotalProjectMortalities	0	154		0	16	170
MCN	Sum of NumberCollected	5,409	36,574	94	423	8,460	50,960
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	5,408	36,549	94	422	8,459	50,932
	Sum of Numbertrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	1	25	0	1	1	28
Total S	um of NumberCollected	7,076	624,987	360	713	298,631	931,767
Total S	um of NumberBarged	1,666	575,355	264	285	282,448	860,018
Total S	um of NumberBypassed	5,408	48,507	94	422	16,000	70,431
Total S	um of Numbertrucked	0	0	0	0	0	0
Total S	um of TotalProjectMortalities	2	1,103	1	6	183	1,295

## **YTD Transportation Summary**

TO: 04/25/03

		Species					
Site	Data	CH0	CH1	CO	SO	ST	Grand Total
LGR	Sum of NumberCollected	2,609	469,700	200	240	220,379	693,128
	Sum of NumberBarged	1,786	401,696	160	155	196,644	600,441
	Sum of NumberBypassed	0	12,273	0	0	8,175	20,448
	Sum of NumberTrucked	816	54,208	40	78	15,402	70,544
	Sum of TotalProjectMortalities	7	1,523	0	7	158	1,695
LGS	Sum of NumberCollected	38	132,387	170	118	64,897	197,610
	Sum of NumberBarged	33	130,246	168	111	64,005	194,563
	Sum of NumberBypassed	0	1	0	0	0	1
	Sum of NumberTrucked	5	1,871	0	5	850	2,731
	Sum of TotalProjectMortalities	0	247	1	2	42	292
LMN	Sum of NumberCollected	145	88,222		110	33,321	121,798
	Sum of NumberBarged	85	72,603		70	31,573	104,331
	Sum of NumberBypassed	0	157		0	81	238
	Sum of NumberTrucked	60	15,149		40	1,637	16,886
	Sum of TotalProjectMortalities	0	313		0	30	343
MCN	Sum of NumberCollected	14,033	39,661	106	487	11,609	65,896
	Sum of NumberBarged	0	0	0	0	0	0
	Sum of NumberBypassed	14,000	39,629	106	485	11,608	65,828
	Sum of NumberTrucked	0	0	0	0	0	0
	Sum of TotalProjectMortalities	33	32	0	2	1	68
Total Su	m of NumberCollected	16,825	729,970	476	955	330,206	1,078,432
Total Su	m of NumberBarged	1,904	604,545	328	336	292,222	899,335
Total Su	m of NumberBypassed	14,000	52,060	106	485	19,864	86,515
Total Su	m of NumberTrucked	881	71,228	40	123	17,889	90,161
Total Su	m of TotalProjectMortalities	40	2,115	1	11	231	2,398