

IRRIGON HATCHERY ANNUAL REPORT FY2005

INTRODUCTION

LOCATION

Irrigon Hatchery is located in Morrow County, Oregon, approximately 279.4 miles upstream from the mouth of the Columbia River. There are no satellite facilities associated with this hatchery.

OBJECTIVES

Mitigation Goals

Irrigon Hatchery is part of the Lower Snake River Compensation Program (LSRCP) and has been in operation since 1985. The annual production goal is to rear 1.2 million steelhead smolts for release into the Grande Ronde and Imnaha River systems. To meet LSRCP goals, Irrigon Hatchery receives eyed steelhead eggs from Wallowa Hatchery and rears them to release or acclimation. Irrigon is also incubating and early rearing captive F1 spring Chinook. Non LSRCP fish reared include 90,000 legal sized rainbow trout, and 220,000 wild winter steelhead.

SUMMER STEELHEAD

Imnaha Stock

Brood Year 2004: Production was completed on April 13, 2005 with the transfer of 161,719 Imnaha stock (2904) steelhead smolts to Little Sheep acclimation pond and 136,570 smolts liberated in Big Sheep Creek. There were 49,149 tagged with blank CWT and no other mark, 45,405 unmarked, 79,602 had been coded wire tagged and identified with an Ad LV clip, and the remainder were Ad clipped.

Brood Year 2005: In April and May of 2005, the hatchery received 397,400 Imnaha stock (2905) eyed eggs from Wallowa Hatchery. The 325,053 resulting fingerlings were on hand September 30, 2005.

Wallowa Stock

Brood Year 2004: Rearing was completed on April 21, 2005 with the transfers of 714,902 Wallowa stock (5604) steelhead smolts to Wallowa and Big Canyon acclimation ponds. All fish had adipose fins removed. In addition 161,851 had been coded wire tagged and left ventral clipped, 108,004 from fall caught brood were coded wire tagged and right ventral clipped and the remaining 8,500 fall caught progeny also received a right ventral clip.

Brood Year 2005: Production began with the transfer of 1,121,100 eyed Wallowa stock (5605) steelhead eggs from Wallowa Hatchery in the spring of 2005. Steelhead on hand September 30, 2005 numbered 950,331.

CHINOOK

Captive Brood F1

Brood Year 2004: We received eyed eggs from Oxbow Hatchery, hatching and initial rearing took place at Irrigon Hatchery. Transfers of fingerlings to Lookingglass Hatchery of 46,563 from Lostine, 52,290 from Catherine Creek and 137 from Grande Ronde Stocks were completed on April 18, 2005.

WINTER STEELHEAD

Clackamas River Stock

Brood Year 2004: October 28, 2004 we transferred 16,165 fingerlings to Clackamas Hatchery for them to complete the rearing cycle. We reared to smolt 112,768 Clackamas stock (12204) wild winter steelhead and transferred them back to Clackamas Hatchery for acclimation by April 8, 2005.

Brood Year 2005: We received 139,250 eyed eggs from Clackamas Hatchery in May, 2005. End of September 107,671 fingerlings were on hand.

Sandy River Stock

Brood Year 2004: We transferred 103,548 Sandy stock (11F04) wild winter steelhead smolts to Sandy Hatchery for acclimation by April 27, 2005.

Brood Year 2005: We received 126,192-eyed eggs from Sandy Hatchery on April 15, 2005. End of September 92,002 fingerlings were on hand.

RAINBOW TROUT

Roaring River Stock

During the reporting period, Irrigon hatchery received 89,030 rainbow trout (7203) from Fall River, Oak Springs and Wizard Falls Hatcheries. This provided 84,881 legal rainbow that were stocked late spring and summer of 2005.

CONSTRUCTION AND MAINTENANCE

The maintenance crew installed new automatic fish feeders.

Maintenance staff remodeled the chillers.

The new composition roofing for the residences was completed.

The windows in the residences were replaced with vinyl frame windows.

New vinyl flooring was installed in kitchen, bath and utility of the residences.

Concrete curbs were placed along road to keep vehicles off grass.

Oxygen diffusers were installed in the grading truck.

MAJOR PURCHASES

Automatic Fish Feeders	\$205,800
Chiller repair/remodel	\$18,400
Vinyl windows	\$15,500
Vinyl Flooring	\$7,200
Generator transfer switch	\$3,200
Bathroom Vanity	\$3,200
Roadway curbing	\$1,000
Oxygen Diffusers	\$1,000
Total	\$255,300

The Lower Snake River Compensation Plan funds the Chinook Captive Broodstock Program from egg incubation through release of progeny. Spawning takes place at Bonneville Fish Hatchery, green eggs are incubated at Oxbow Fish Hatchery, and the resulting eyed eggs and fry are reared at Irrigon Fish Hatchery

SPAWNING RECORD

Chinook Captive Broodstock Program

Upper Grande Ronde River Stock BY04

Bonneville Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
9/22/04	693	1	3

Captive broodstock fish are spawned according to specific matrices, depending on treatments and cohorts of mature fish.

Total number of females spawned:	1
Total number of males spawned:	3
Total number of cryopreserved sperm samples used:	0
Total number of green eggs:	693
Total number of eyed eggs:	500
Number of eggs retained for rearing:	0*
Number of eggs shipped:	500
Date of last spawning:	9/22/04

**All upper Grande Ronde River stock green eggs were shipped to Oxbow Fish Hatchery for incubation. Once eyed, the eggs were shipped to Irrigon Fish Hatchery for rearing.*

SPAWNING RECORD

Chinook Captive Broodstock Program**Catherine Creek Stock BY04**

Bonneville Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
9/08/04	1,471	1	3
9/15/04	10,515	8	16
9/22/04	46,085	28	46
9/29/04	37,578	29	52
10/06/04	14,929	11	10

Captive broodstock fish are spawned according to specific matrices, depending on treatments and cohorts of mature fish.

Total number of females spawned:	77
Total number of males spawned:	127
Total number of cryopreserved sperm samples used:	0
Total number of green eggs:	110,578
Total number of eyed eggs:	86,108
Number of eggs retained for rearing:	0*
Number of eggs shipped:	54,881**
Date of last spawning:	10/06/04

**All Catherine Creek stock green eggs were shipped to Oxbow Fish Hatchery for incubation. Once eyed, the eggs were shipped to Irrigon Fish Hatchery for rearing.*

***31,227 eyed eggs were destroyed (culled) at Oxbow Fish Hatchery due to high maternal BKD titers.*

SPAWNING RECORD

Chinook Captive Broodstock Program

Lostine River Stock BY04

Bonneville Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
9/08/04	3,411	2	4
9/15/04	13,427	8	18
9/22/04	20,990	13	39
9/23/04	9,384	8	24
9/29/04	21,412	13	10
9/30/04	7,100	5	29
10/06/04	6,348	6	22
10/18/04	1,583	1	Cryo only

Captive broodstock fish are spawned according to specific matrices, depending on treatments and cohorts of mature fish.

On 10/18/04, one female was spawned with the Cryopreserved sperm from three males

Total number of females spawned:	56
Total number of males spawned:	152
Total number of cryopreserved sperm samples used:	3
Total number of green eggs:	83,655
Total number of eyed eggs:	67,895
Number of eggs retained for rearing:	0*
Number of eggs shipped:	51,360**
Date of last spawning:	10/18/04

**All Lostine River stock green eggs were shipped to Oxbow Fish Hatchery for incubation. Once eyed, the eggs were shipped to Irrigon Fish Hatchery for rearing.*

***16,535 eyed eggs were destroyed (culled) at Oxbow Fish Hatchery due to high maternal BKD titers.*

Legal Trout Reared

Rainbow Trout Cape Cod Stock BY03

Number legals produced:	84,690
Weight of legals produced (lbs.):	31,866.40
Percent mortality to stocking:	0.24%
Average number/pound of legals produced:	2.66
Conversion rate:	1.22

Fingerlings Reared

Winter Steelhead Clackamas River Stock BY04

Number of fingerlings produced:	16,165
Weight of fingerlings produced (lbs.):	610.00
Percent mortality, ponded to transfer or release:	0.42%
Average number/pound of smolts produced:	26.5
Conversion rate:	1.08

Of the approximately 142,000 brood year 2004 winter steelhead eggs received from Clackamas Fish Hatchery, 16,165 were returned to Clackamas Fish Hatchery as fingerlings in October 2004. The remaining steelhead were reared to smolt stage at Irrigon Fish Hatchery, and subsequently transferred back to Clackamas Hatchery for acclimation.

Smolts Reared

**Steelhead
Wallowa Stock BY04**

Number of smolts produced:	714,902
Weight of smolts produced (lbs.):	146,720
Percent mortality, ponded to transfer:	10.6%
Average number/pound of smolts produced:	4.87
Conversion rate:	1.01

Smolts reared for acclimation and release from Big Canyon and Wallowa acclimation ponds.

**Steelhead
Imnaha Stock BY04**

Number of smolts produced:	298,289
Weight of smolts produced (lbs.):	62,840.00
Percent mortality, ponded to transfer:	6.12%
Average number/pound of smolts produced:	4.75
Conversion rate:	1.00

Smolts produced include 161,719 smolts weighing 33,230 pounds reared for acclimation and release from Little Sheep Creek Facility. An additional 136,570 smolts weighing 29,610 pounds were released directly into Big Sheep Creek 4/11 - 4/13/2005.

**Winter Steelhead
Clackamas River Stock BY04**

Number of smolts produced:	112,768
Weight of smolts produced (lbs.):	22,056.00
Percent mortality, ponded to transfer:	4.3%
Average number/pound of smolts produced:	5.11
Conversion rate:	1.08

Of the approximately 142,100 brood year 2004 winter steelhead eggs received from Clackamas Fish Hatchery, 16,165 were returned to Clackamas Fish Hatchery as fingerlings in November 2004. The remaining steelhead were reared to smolt stage at Irrigon Fish Hatchery. All smolts were transported back to Clackamas Fish Hatchery for acclimation prior to release in the Clackamas River.

Smolts Reared

**Winter Steelhead
Sandy River Stock BY04**

Number of smolts produced:	103,548
Weight of smolts produced (lbs.):	21,560.00
Percent mortality, ponded to transfer:	3.3%
Average number/pound of smolts produced:	4.80
Conversion rate:	1.06

Approximately 117,000 brood year 2004 wild winter steelhead eggs were received from Sandy Fish Hatchery. All smolts were reared to smolt at Irrigon Fish Hatchery and transported to Sandy Fish Hatchery for acclimation prior to release.

Food Fed and Weight Gain

Rainbow Trout Cape Cod Stock BY03

Irrigon Fish Hatchery	
Total pounds of food fed	11,775.00
Conversion rate	1.22
Total weight gain (lbs.) - all sizes produced	9,618.90

Steelhead Wallowa Stock BY04

Irrigon Fish Hatchery	
Total pounds of food fed	128,845.00
Conversion rate	1.01
Total weight gain (lbs.) - all sizes produced	128,158.00

Steelhead Wallowa Stock BY05

Irrigon Fish Hatchery	
Total pounds of food fed	12,378.00
Conversion rate	0.94
Total weight gain (lbs.) - all sizes produced	13,132.26

Steelhead Imnaha Stock BY04

Irrigon Fish Hatchery	
Total pounds of food fed	61,543.00
Conversion rate	1.08
Total weight gain (lbs.) - all sizes produced	56,766.10

Food Fed and Weight Gain

**Steelhead
Imnaha Stock BY05**

Irrigon Fish Hatchery	
Total pounds of food fed	4,184.00
Conversion rate	0.76
Total weight gain (lbs.) - all sizes produced	5,473.37

**Winter Steelhead
Wild Sandy River Stock BY04**

Irrigon Fish Hatchery	
Total pounds of food fed	20,200.00
Conversion rate	1.06
Total weight gain (lbs.) - all sizes produced	19,114.18

**Winter Steelhead
Sandy River Stock BY05**

Irrigon Fish Hatchery	
Total pounds of food fed	2,322.50
Conversion rate	1.03
Total weight gain (lbs.) - all sizes produced	2,257.05

**Winter Steelhead
Wild Faraday Trap Stock BY04**

Irrigon Fish Hatchery	
Total pounds of food fed	21,310.00
Conversion rate	1.03
Total weight gain (lbs.) - all sizes produced	20,776.39

Food Fed and Weight Gain

**Winter Steelhead
Wild Faraday Trap Stock BY05**

Irrigon Fish Hatchery	
Total pounds of food fed	2,062.50
Conversion rate	1.53
Total weight gain (lbs.) - all sizes produced	1,346.72

**Chinook
Upper Grande Ronde Stock (F₁'s) BY04**

Irrigon Fish Hatchery	
Total pounds of food fed	2.22
Conversion rate	6.00
Total weight gain (lbs.) - all sizes produced	0.37

*Progeny of captive broodstock parents spawned at Bonneville Fish Hatchery in 2004.
All 137 parr were transferred to Lookingglass Fish Hatchery in April 2005.*

**Chinook
Catherine Creek Stock (F₁'s) BY04**

Irrigon Fish Hatchery	
Total pounds of food fed	218.30
Conversion rate	1.26
Total weight gain (lbs.) - all sizes produced	173.00

*Progeny of captive broodstock parents spawned at Bonneville Fish Hatchery in 2004.
All 52,290 parr were transferred to Lookingglass Fish Hatchery in April 2005.*

**Chinook
Lostine River Stock (F₁'s) BY04**

Irrigon Fish Hatchery	
Total pounds of food fed	198.00
Conversion rate	1.28
Total weight gain (lbs.) - all sizes produced	155.00

*Progeny of captive broodstock parents spawned at Bonneville Fish Hatchery in 2004.
All 46,563 parr were transferred to Lookingglass Fish Hatchery in April 2005.*

**On Hand at Irrigon Fish Hatchery
September 30, 2005**

Fish On Hand - BY05

Species	Stock	Number
Summer Steelhead	Wallowa	950,331
Summer Steelhead	Imnaha	325,053
Winter Steelhead	Sandy River	92,002
Winter Steelhead	Faraday Trap	107,761

FY05 Stocking

Total number of distribution trips:		134*
Number of fry stocked	0	
Weight of fry stocked:		0 lbs.
Number of fingerlings stocked:		0
Weight of fingerlings stocked:	0 lbs.	
Number of pre-smolts stocked:		0
Weight of pre-smolts stocked:		0 lbs
Number of smolts stocked:		136,553
Weight of smolts stocked:		29,606 lbs.
Number of legal trout stocked:		84,690
Weight of legal trout stocked:		31,865 lbs.
Date, location, number and weight at each stocking:		See Attached

**Of these, 80 trips were made hauling fish to Big Canyon, Little Sheep Creek, Wallowa Fish Hatchery, Clackamas Fish Hatchery or Sandy Fish Hatchery acclimation facilities prior to release.*

Irrigon Fish Hatchery Stocking Records
October 1, 2004 through September 30, 2005

SPECIES	LOT	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKE D	POUNDS STOCKE D
RAINBOW TROUT	072 03	LIBERATION	4/11/05	ANSON WRIGHT PD	4.1	0	1000	244
RAINBOW TROUT	072 03	LIBERATION	4/11/05	MORROW CO PD #1	4.1	0	1000	244
RAINBOW TROUT	072 03	LIBERATION	4/11/05	MORROW CO PD #2	4.1	0	1000	244
RAINBOW TROUT	072 03	LIBERATION	4/12/05	LONG CREEK PD	4.1	0	1000	244
RAINBOW TROUT	072 03	LIBERATION	4/12/05	SEVENTH STREET POND	4.1	0	1000	244
RAINBOW TROUT	072 03	LIBERATION	4/12/05	BRANDONS PD	4.1	0	53	13
RAINBOW TROUT	072 03	LIBERATION	4/22/05	ROWE CR RES	3.6	0	1501	417
RAINBOW TROUT	072 03	LIBERATION	4/26/05	MCNARY PD	3.6	0	2002	556
RAINBOW TROUT	072 03	LIBERATION	5/24/05	UMATILLA FOREST PONDS	2.8	5	1095	391.21
RAINBOW TROUT	072 03	LIBERATION	6/1/05	ANSON WRIGHT PD	2.5	0	1000	400
RAINBOW TROUT	072 03	LIBERATION	6/1/05	CUTSFORTH PD	2.5	0	625	250
RAINBOW TROUT	072 03	LIBERATION	5/5/05	UMATILLA FOREST PONDS	4	0	3109	777.3
RAINBOW TROUT	072 03	LIBERATION	6/2/05	UMATILLA FOREST PDS	2.5	12	1838	735.2
RAINBOW TROUT	072 03	LIBERATION	6/8/05	HIGHWAY 203 PD	2.1	0	483	230
RAINBOW TROUT	072 03	LIBERATION	6/8/05	POWDER R-2	2.1	0	1113	530
RAINBOW TROUT	072 03	LIBERATION	6/8/05	KIWANIS PD	2.1	1	99	47.12
RAINBOW TROUT	072 03	LIBERATION	6/9/05	UMATILLA FOREST PONDS	2.4	0	1404	585
RAINBOW TROUT	072 03	LIBERATION	6/14/05	ANTHONY LK	2.4	0	1560	650
RAINBOW TROUT	072 03	LIBERATION	6/14/05	GRANDE RONDE LK	2.4	0	1104	460
RAINBOW TROUT	072 03	LIBERATION	6/21/05	EAGLE CR	2	8	732	366
RAINBOW TROUT	072 03	LIBERATION	6/21/05	EAGLE CR, W FK	2	2	248	124
RAINBOW TROUT	072 03	LIBERATION	6/28/05	ANTHONY LK	2.3	0	1530	665
RAINBOW TROUT	072 03	LIBERATION	6/28/05	GRANDE RONDE LK	2.3	0	1058	460
RAINBOW TROUT	072 03	LIBERATION	7/19/05	PHILLIPS RES	2.1	0	1491	710
RAINBOW TROUT	072 03	LIBERATION	7/19/05	POWDER R-2	2.1	0	1071	510
RAINBOW TROUT	072 03	LIBERATION	7/20/05	GRANDE RONDE LK	2.1	0	1554	740
RAINBOW TROUT	072 03	LIBERATION	4/26/05	HAT ROCK PD	3.6	0	1001	278
RAINBOW TROUT	072 03	LIBERATION	4/26/05	WESTON HIGHWAY PD	3.6	0	900	250
RAINBOW TROUT	072 03	LIBERATION	4/27/05	CAVENDAR RES	3.4	0	2502	736
RAINBOW TROUT	072 03	LIBERATION	4/27/05	LONG CREEK PD	3.4	0	391	115
RAINBOW TROUT	072 03	LIBERATION	4/27/05	LONG CREEK PD	4.2	0	613	146
RAINBOW TROUT	072 03	LIBERATION	4/28/05	HARDY MURRAY RES	3.9	0	2001	513
RAINBOW TROUT	072 03	LIBERATION	4/28/05	BURNT R, S FK	3.9	0	1002	257
RAINBOW TROUT	072 03	LIBERATION	5/3/05	CUTSFORTH PD	4	0	600	150
RAINBOW TROUT	072 03	LIBERATION	5/4/05	TROUT FARM POND	4	0	1000	250

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RAINBOW TROUT	072 03	LIBERATION	5/4/05	SEVENTH STREET POND	4	0	1000	250	
SPECIES	LOT	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKE D	POUNDS STOCKE D	
RAINBOW TROUT	072 03	LIBERATION	5/18/05	ANSON WRIGHT PD	2.8	0	1008	360	
RAINBOW TROUT	072 03	LIBERATION	5/24/05	POWDER R-2	2.8	0	1501	536	
RAINBOW TROUT	072 03	LIBERATION	5/24/05	PHILLIPS RES	2.8	0	3539	1264	
RAINBOW TROUT	072 03	LIBERATION	6/8/05	SEVENTH STREET POND	2.1	0	2001	953	
RAINBOW TROUT	072 03	LIBERATION	6/8/05	TROUT FARM POND	2.1	0	1001	477	
RAINBOW TROUT	072 03	LIBERATION	6/15/05	PINE CR	2.4	0	1500	625	
RAINBOW TROUT	072 03	LIBERATION	6/15/05	PINE CR, N FK	2.4	0	1001	417	
RAINBOW TROUT	072 03	LIBERATION	6/23/05	MCNARY PD	2	0	3000	1500	
RAINBOW TROUT	072 03	LIBERATION	6/24/05	JUBILEE LK	2.6	0	2002	770	
RAINBOW TROUT	072 03	LIBERATION	6/29/05	PHILLIPS RES	2.3	0	2001	870	
RAINBOW TROUT	072 03	LIBERATION	6/29/05	POWDER R-2	2.3	0	752	327	
RAINBOW TROUT	072 03	LIBERATION	6/30/05	PINE CR	2.3	0	752	327	
RAINBOW TROUT	072 03	LIBERATION	6/30/05	PINE CR, N FK	2.3	0	501	218	
RAINBOW TROUT	072 03	LIBERATION	7/6/05	POWDER R-2	2.3	0	1001	435	
RAINBOW TROUT	072 03	LIBERATION	7/6/05	PHILLIPS PARK PONDS	2.3	0	101	44	
RAINBOW TROUT	072 03	LIBERATION	7/12/05	JUBILEE LK	2.1	0	2001	953	
RAINBOW TROUT	072 03	LIBERATION	7/13/05	EAGLE CR	2.1	0	1002	477	
RAINBOW TROUT	072 03	LIBERATION	7/19/05	ANTHONY LK	2.1	0	1502	715	
RAINBOW TROUT	072 03	LIBERATION	7/27/05	JUBILEE LK	1.9	0	1001	527	
RAINBOW TROUT	072 03	LIBERATION	7/28/05	EAGLE CR	1.9	0	1001	527	
RAINBOW TROUT	072 03	LIBERATION	8/2/05	JUBILEE LK	1.9	0	1001	527	
RAINBOW TROUT	072 03	LIBERATION	8/3/05	POWDER R-2	1.9	0	1001	527	
RAINBOW TROUT	072 03	LIBERATION	8/16/05	POWDER R-2	1.7	0	510	300	
RAINBOW TROUT	072 03	LIBERATION	5/17/05	HARDY MURRAY RES	2.8	0	2016	720	
RAINBOW TROUT	072 03	LIBERATION	6/9/05	TWIN PONDS	2.4	2	1400	583.17	
RAINBOW TROUT	072 03	LIBERATION	5/4/05	NORTH POWDER PD-1	4	0	1000	250	
RAINBOW TROUT	072 03	LIBERATION	5/4/05	HAINES PD-1	4	0	1000	250	
RAINBOW TROUT	072 03	LIBERATION	5/4/05	HIGHWAY 203 PD	4	0	3164	791	
RAINBOW TROUT	072 03	LIBERATION	5/25/05	HIGHWAY 203 PD	2.8	0	1002	358	
RAINBOW TROUT	072 03	LIBERATION	5/25/05	BURNT R, S FK	2.8	0	1002	358	
RAINBOW TROUT	072 03	LIBERATION	6/1/05	HAT ROCK PD	2.5	2	448	179.2	
RAINBOW TROUT	072 03	LIBERATION	6/1/05	WESTON HIGHWAY PD	2.5	2	898	359.2	
RAINBOW TROUT	072 03	LIBERATION	6/2/05	PHILLIPS RES	2.5	0	1400	560	
SUMMER STEELHEAD	029 04	LIBERATION	4/11/05	BIG SHEEP CR	4.5	0	22680	5040	
SUMMER STEELHEAD	029 04	LIBERATION	4/11/05	BIG SHEEP CR	4.5	7	7643	1698.44	
SUMMER STEELHEAD	029 04	LIBERATION	4/11/05	BIG SHEEP CR	4.5	2	1798	399.56	

SPECIES	LOT	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKE D	POUNDS STOCKE D
SUMMER STEELHEAD	029 04	LIBERATION	4/12/05	BIG SHEEP CR	5	3	10497	2099.4
SUMMER STEELHEAD	029 04	LIBERATION	4/13/05	BIG SHEEP CR	5	5	10495	2099
SUMMER STEELHEAD	029 04	LIBERATION	4/11/05	BIG SHEEP CR	3.1	0	5115	1650
SUMMER STEELHEAD	029 04	LIBERATION	4/11/05	BIG SHEEP CR	4.5	0	15075	3350
SUMMER STEELHEAD	029 04	LIBERATION	4/12/05	BIG SHEEP CR	4.6	0	12190	2650
SUMMER STEELHEAD	029 04	LIBERATION	4/12/05	BIG SHEEP CR	5	0	11750	2350
SUMMER STEELHEAD	029 04	LIBERATION	4/12/05	BIG SHEEP CR	4.6	0	23460	5100
SUMMER STEELHEAD	029 04	LIBERATION	4/13/05	BIG SHEEP CR	5	0	15850	3170
SPRING CHINOOK	4 080F0	TRANSFER	4/18/05	LOOKINGGLASS HATCHERY	249	0	137	0.55
SPRING CHINOOK	4 200F0	TRANSFER	4/18/05	LOOKINGGLASS HATCHERY	249	3	27138	108.99
SPRING CHINOOK	4 200F0	TRANSFER	4/18/05	LOOKINGGLASS HATCHERY	249	6	19416	77.98
SPRING CHINOOK	4 201F0	TRANSFER	4/18/05	LOOKINGGLASS HATCHERY	249	167	19255	77.33
SPRING CHINOOK	4 201F0	TRANSFER	4/18/05	LOOKINGGLASS HATCHERY	249	9	32859	131.96
WINTER STEELHEAD	122 04	TRANSFER	4 10/28/0	CLACKAMAS HATCHERY	26.5	0	16165	610
SUMMER STEELHEAD	029 04	ACCLIMATE	3/3/05	LITTLE SHEEP	4.3	0	21758	5060
SUMMER STEELHEAD	029 04	ACCLIMATE	3/4/05	LITTLE SHEEP	4.3	0	22188	5160
SUMMER STEELHEAD	029 04	ACCLIMATE	3/4/05	LITTLE SHEEP	5.4	0	16740	3100
SUMMER STEELHEAD	029 04	ACCLIMATE	3/4/05	LITTLE SHEEP	5.5	0	3300	600
SUMMER STEELHEAD	029 04	ACCLIMATE	3/7/05	LITTLE SHEEP	4.3	0	15050	3500
SUMMER STEELHEAD	029 04	ACCLIMATE	3/3/05	LITTLE SHEEP	4.3	0	13588	3160
SUMMER STEELHEAD	029 04	ACCLIMATE	3/3/05	LITTLE SHEEP	5.4	0	11340	2100
SUMMER STEELHEAD	029 04	ACCLIMATE	3/4/05	LITTLE SHEEP	5.5	0	28325	5150
SUMMER STEELHEAD	029 04	ACCLIMATE	3/3/05	LITTLE SHEEP	5.4	0	14580	2700
SUMMER STEELHEAD	029 04	ACCLIMATE	3/4/05	LITTLE SHEEP	5.5	0	14850	2700
SUMMER STEELHEAD	056 04	ACCLIMATE	2/22/05	WALLOWA ACC	5.2	0	18720	3600
SUMMER STEELHEAD	056 04	ACCLIMATE	2/23/05	WALLOWA ACC	5.3	0	19610	3700
SUMMER STEELHEAD	056 04	ACCLIMATE	2/24/05	WALLOWA ACC	4.7	0	17390	3700
SUMMER STEELHEAD	056 04	ACCLIMATE	2/24/05	WALLOWA ACC	4.9	0	8820	1800
SUMMER STEELHEAD	056 04	ACCLIMATE	2/22/05	WALLOWA ACC	5.3	0	26600	5020
SUMMER STEELHEAD	056 04	ACCLIMATE	2/23/05	WALLOWA ACC	5	0	26925	5385
SUMMER STEELHEAD	056 04	ACCLIMATE	2/24/05	WALLOWA ACC	5.1	0	8288	1625
SUMMER STEELHEAD	056 04	ACCLIMATE	2/24/05	WALLOWA ACC	4.7	0	17273	3675

SUMMER STEELHEAD	056 04	ACCLIMATE	2/25/05	WALLOWA ACC	5	0	26450	5290
SUMMER STEELHEAD	056 04	ACCLIMATE	2/28/05	WALLOWA ACC	4.8	0	25416	5295
SUMMER STEELHEAD	056 04	ACCLIMATE	3/1/05	WALLOWA ACC	4.8	0	5904	1230
SUMMER STEELHEAD	056 04	ACCLIMATE	3/1/05	WALLOWA ACC	4.8	0	19632	4090
SUMMER STEELHEAD	056 04	ACCLIMATE	3/2/05	BIG CANYON	4.6	0	24380	5300
SUMMER STEELHEAD	056 04	ACCLIMATE	2/25/05	WALLOWA ACC	4.9	0	12250	2500
SUMMER STEELHEAD	056 04	ACCLIMATE	2/25/05	WALLOWA ACC	5	0	6000	1200
SUMMER STEELHEAD	056 04	ACCLIMATE	2/28/05	WALLOWA ACC	5	0	13500	2700

SPECIES	LOT	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKE D	POUNDS STOCKE D
SUMMER STEELHEAD	056 04	ACCLIMATE	2/28/05	WALLOWA ACC	4.8	0	4800	1000
SUMMER STEELHEAD	056 04	ACCLIMATE	3/2/05	BIG CANYON	5.1	0	19380	3800
SUMMER STEELHEAD	056 04	ACCLIMATE	3/3/05	BIG CANYON	4.6	0	17710	3850
SUMMER STEELHEAD	056 04	ACCLIMATE	4/18/05	WALLOWA ACC	4.9	0	18620	3800
SUMMER STEELHEAD	056 04	ACCLIMATE	2/24/05	WALLOWA ACC	4.7	0	4230	900
SUMMER STEELHEAD	056 04	ACCLIMATE	2/22/05	WALLOWA ACC	5.2	0	26260	5050
SUMMER STEELHEAD	056 04	ACCLIMATE	2/23/05	WALLOWA ACC	5	0	16500	3300
SUMMER STEELHEAD	056 04	ACCLIMATE	2/23/05	WALLOWA ACC	5.1	0	9435	1850
SUMMER STEELHEAD	056 04	ACCLIMATE	2/24/05	WALLOWA ACC	5.1	0	26775	5250
SUMMER STEELHEAD	056 04	ACCLIMATE	2/25/05	WALLOWA ACC	4.9	0	25725	5250
SUMMER STEELHEAD	056 04	ACCLIMATE	3/2/05	BIG CANYON	5.1	0	27030	5300
SUMMER STEELHEAD	056 04	ACCLIMATE	4/19/05	WALLOWA ACC	4.7	0	17860	3800
SUMMER STEELHEAD	056 04	ACCLIMATE	4/20/05	WALLOWA ACC	4.3	0	16340	3800
SUMMER STEELHEAD	056 04	ACCLIMATE	4/21/05	BIG CANYON	4.5	0	10350	2300
SUMMER STEELHEAD	056 04	ACCLIMATE	2/28/05	WALLOWA ACC	4.8	0	10800	2250
SUMMER STEELHEAD	056 04	ACCLIMATE	3/1/05	WALLOWA ACC	4.8	0	10800	2250
SUMMER STEELHEAD	056 04	ACCLIMATE	3/2/05	WALLOWA ACC	4.8	0	9936	2070
SUMMER STEELHEAD	056 04	ACCLIMATE	4/19/05	WALLOWA ACC	4.7	0	8225	1750
SUMMER STEELHEAD	056 04	ACCLIMATE	4/19/05	WALLOWA ACC	4.8	0	17040	3550
SUMMER STEELHEAD	056 04	ACCLIMATE	4/20/05	WALLOWA ACC	4.3	0	16555	3850
SUMMER STEELHEAD	056 04	ACCLIMATE	4/20/05	BIG CANYON	4.5	0	4725	1050
SUMMER STEELHEAD	056 04	ACCLIMATE	4/21/05	BIG CANYON	5	0	17000	3400
SUMMER STEELHEAD	056 04	ACCLIMATE	4/18/05	WALLOWA ACC	4.9	0	24353	4970
SUMMER STEELHEAD	056 04	ACCLIMATE	4/18/05	WALLOWA ACC	4.7	0	1504	320
SUMMER STEELHEAD	056 04	ACCLIMATE	4/19/05	WALLOWA ACC	4.8	0	25536	5320
SUMMER STEELHEAD	056 04	ACCLIMATE	4/20/05	BIG CANYON	4.5	0	23805	5290
SUMMER STEELHEAD	056 04	ACCLIMATE	4/21/05	BIG CANYON	5	0	26450	5290
WINTER STEELHEAD	011 04	ACCLIMATE	4/25/05	SANDY HATCHERY	4.8	0	9696	2020
WINTER STEELHEAD	011 04	ACCLIMATE	4/26/05	SANDY HATCHERY	4.8	0	888	185

WINTER STEELHEAD	011 04	ACCLIMATE	4/26/05	SANDY HATCHERY	4.8	0	8760	1825
WINTER STEELHEAD	011 04	ACCLIMATE	4/27/05	SANDY HATCHERY	4.8	0	8520	1775
WINTER STEELHEAD	011 04	ACCLIMATE	4/25/05	SANDY HATCHERY	4.8	0	8352	1740
WINTER STEELHEAD	011 04	ACCLIMATE	4/26/05	SANDY HATCHERY	4.8	0	8352	1740
WINTER STEELHEAD	011 04	ACCLIMATE	4/27/05	SANDY HATCHERY	4.8	0	8160	1700
WINTER STEELHEAD	011 04	ACCLIMATE	4/25/05	SANDY HATCHERY	4.8	0	9000	1875
WINTER STEELHEAD	011 04	ACCLIMATE	4/26/05	SANDY HATCHERY	4.8	0	8688	1810
WINTER STEELHEAD	011 04	ACCLIMATE	4/27/05	SANDY HATCHERY	4.8	0	8352	1740
WINTER STEELHEAD	011 04	ACCLIMATE	4/25/05	SANDY HATCHERY	4.8	0	7800	1625

SPECIES	LOT	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKE D	POUNDS STOCKE D
WINTER STEELHEAD	011 04	ACCLIMATE	4/26/05	SANDY HATCHERY	4.8	0	8400	1750
WINTER STEELHEAD	011 04	ACCLIMATE	4/27/05	SANDY HATCHERY	4.8	0	8520	1775
WINTER STEELHEAD	122 04	ACCLIMATE	4/5/05	CLACKAMAS HATCHERY	4.8	0	3998	833
WINTER STEELHEAD	122 04	ACCLIMATE	4/6/05	CLACKAMAS HATCHERY	4.8	0	4502	938
WINTER STEELHEAD	122 04	ACCLIMATE	4/5/05	CLACKAMAS HATCHERY	4.8	0	9600	2000
WINTER STEELHEAD	122 04	ACCLIMATE	4/6/05	CLACKAMAS HATCHERY	5.4	0	10962	2030
WINTER STEELHEAD	122 04	ACCLIMATE	4/5/05	CLACKAMAS HATCHERY	4.8	0	9120	1900
WINTER STEELHEAD	122 04	ACCLIMATE	4/6/05	CLACKAMAS HATCHERY	4.8	0	5760	1200
WINTER STEELHEAD	122 04	ACCLIMATE	4/6/05	CLACKAMAS HATCHERY	5.4	0	3348	620
WINTER STEELHEAD	122 04	ACCLIMATE	4/7/05	CLACKAMAS HATCHERY	5.4	0	10368	1920
WINTER STEELHEAD	122 04	ACCLIMATE	4/5/05	CLACKAMAS HATCHERY	4.8	0	8688	1810
WINTER STEELHEAD	122 04	ACCLIMATE	4/6/05	CLACKAMAS HATCHERY	5.4	0	9828	1820
WINTER STEELHEAD	122 04	ACCLIMATE	4/8/05	CLACKAMAS HATCHERY	5.4	0	7074	1310
WINTER STEELHEAD	122 04	ACCLIMATE	4/5/05	CLACKAMAS HATCHERY	4.8	0	9000	1875
WINTER STEELHEAD	122 04	ACCLIMATE	4/6/05	CLACKAMAS HATCHERY	5.4	0	10260	1900
WINTER STEELHEAD	122 04	ACCLIMATE	4/7/05	CLACKAMAS HATCHERY	5.4	0	10260	1900