

WALLOWA HATCHERY ANNUAL REPORT FY2010

INTRODUCTION

Location

Wallowa Hatchery is located in northeast Oregon, two miles west of Enterprise. The hatchery is adjacent to Spring Creek, one mile upstream from the confluence of Spring Creek and the Wallowa River. Five rivers comprise the 613 river miles to the ocean: Spring Creek, Wallowa, Grande Ronde, Snake and Columbia Rivers. Two satellite stations, Big Canyon (Wallowa system) 30 miles west of the hatchery and Little Sheep (Imnaha system) 30 miles east of the hatchery, are used for adult trapping, spawning and smolt acclimation.

OBJECTIVES

Mitigation Goals

Wallowa Hatchery is operated as part of the Lower Snake River Compensation Program. Mitigation goals include, collecting 1,275,000 (green) Wallowa stock (56) summer steelhead eggs and 318,816 (green) Little Sheep Creek stock (29) summer steelhead eggs. The smolt release goal for the Wallowa stock is 800,000 smolts. The Little Sheep Creek stock goal is 215,000 smolts, 165,000 to Little Sheep (acclimated) and 50,000 to Big Sheep (direct stream). The adult return goal is 9,200 for the Wallowa stock and 2,000 for the Little Sheep stock into their respective mitigation areas.

This is the seventh year of supplementing our existing Wallowa steelhead program with Fall Collected Brood (FCB) and the sixth year of FCB smolt releases. This was the third year of spawning on returning FCB adults. The main goals of the program are reduce the potential for straying into Columbia River tributaries and enhance fall harvest opportunities within the LSRCP compensation area. All eggs collected from the FCB adults are segregated, uniquely marked as smolts, and then incorporated into our rearing program. We replaced conventional program eggs with eggs from the FCB thus maintaining our goal of 800,000 smolts.

SUMMER STEELHEAD

Adult Returns

Return numbers at Wallowa, Big Canyon and Little Sheep were all record highs since initiation of the LSRCP. The stock designations for adults collected during the 2010 season were Wallowa and Big Canyon (5610) and Little Sheep/Imnaha (2910).

Wallowa Hatchery collected 4,905 hatchery origin steelhead. Of those, 2,646 were male and 2,259 were female. This number includes the FCB adults (384 males and 362 females) that were RV clipped and returned to the Wallowa Hatchery trap. This was 3,015 more adults than the number returning in 2009.

Big Canyon satellite facility had a return of 3,411 adult hatchery origin steelhead consisting of 1,554 males and 1,857 females. This was 1,622 more adults than the number returning in 2009. We had 135 (49 males, 86 females) natural origin steelhead return, all of which were passed above the weir in Deer Creek to spawn naturally. The natural origin steelhead returns in 2009 were 80 adults.

Little Sheep facility had 3,731 hatchery adults return (2,077 males, 1,654 females), which is 2,657 more than the 2009 return of 1,074. Natural origin returns were 289 adults (139 male, 150 female), compared to 184 in 2009. Of the adults collected, 87 hatchery and 259 natural origin steelhead were passed above the weir in Little Sheep Creek. Additional releases include 1,450 hatchery adults transferred to Big Sheep Creek to spawn naturally.

Egg Production - Wallowa Stock (5609) Summer Steelhead

There were a total of 1,287,575 Wallowa stock eggs taken during the season, 1,049,150 production and 238,425 FCB eggs. We transferred 1,189,050 eyed eggs to Irrigon Hatchery. 1,200 eggs were transferred to local school education programs (STEP). The green to eyed egg loss was 6.2% for the Wallowa stock as a whole. This is the third year for spawning the RV fin clipped adults (FCB progeny) returning to Wallowa Hatchery. The FCB segregated eggs had a slightly lower percent loss of 4.9%.

Egg Production - Imnaha Stock (2909) Summer Steelhead

A total of 323,140 green eggs were taken in the 2010 season. We transferred 297,400 eyed eggs to Irrigon Hatchery. Egg loss was 8%, comparable to the 11.9% loss in 2009.

Smolt Acclimation Summer Steelhead

There were 324,561 Wallowa stock (5609) smolts acclimated and released from Wallowa Hatchery. Big Canyon acclimated and released 292,953 Wallowa stock (5609) smolts.

Little Sheep satellite facility acclimated and released 166,842 Imnaha stock (2909) smolts.

Irrigon Hatchery reared the above stocks of smolts acclimated and release at our facilities.

CAPITAL CONSTRUCTION AND MAINTENANCE

There were no capital construction projects at Wallowa Hatchery or its satellite facilities during the report period.

MAJOR PROJECTS ACCOMPLISHED BY ODFW PERSONNEL

Wallowa Facility

A large portion of our time this year was spent on adult steelhead collections. We collected record adult returns at all three collection sites and distributed approximately 9,000 adults to local food banks.

Residence #2 had new drywall, carpet, vinyl flooring, wall texture and interior.

Residence #1 had new siding, exterior paint and chimney repair completed.

Constructed new aluminum crowders to replace outdated wooden crowders.

Painted spawning and incubation room walls.

Constructed a new storage bay for fish pump.

Replaced cable sheaves in adult fish lift door.

Replaced over 6,000 screws on metal roof of hatchery shop to stop leakage.

Tested a new moist air incubator system with steelhead eggs. The trial was designed to compare heath tray versus moist air incubation.

Erected new hatchery directional and informational signs to increase public outreach.

A new concrete slab was poured to extend an existing concrete surface. A drain was added to this new concrete to aid in water removal.

Big Canyon Facility

Repaired leaking sight gauge in diesel tank.

Modified the fish ladder to incorporate an adult PIT tag detector.

Repaired miscellaneous screens and replaced dam boards as needed.

Little Sheep Facility

A bedroom window in the apartment was reinstalled to allow for smooth operation.

Modified the fish ladder to incorporate two adult PIT tag detectors.

High spring flows deposited a considerable amount of bedload against the intake structure. This rock was removed during the in-water working period.

A new 12x16 storage shed was constructed to provide storage for feed and equipment. The hatchery staff sided, roofed, sheeted the interior, painted and installed windows.

MAINTENANCE PROJECTS ACCOMPLISHED BY CONTRACTORS

Wallowa Hatchery

South Fork Ready mix delivered concrete for a new slab near shop to aid drainage.

R & C Fire Extinguisher Services completed annual extinguisher inspections.

Knifong Electric repaired numerous fluorescent light ballasts in hatchery office building.

Wellens Farwell was contracted to reside and paint residence #1.

Carpet One installed the vinyl flooring and carpet in residence #2.

Big Canyon Facility

No contract work was performed this year at this facility.

Little Sheep Facility

Moffit Brothers were hired to remove the excess rock that was deposited on the Little Sheep intake.

MAJOR PURCHASES

Fish Food	\$11,597
DEQ water analysis	\$1,432
Propane	\$2,173
Chest freezer	\$730
Kubota RTV windshield	\$682
John Deere riding lawn mower	\$3,749
Hatchery informational signs	\$12,000
Moist air incubator	\$4,000
Plastic fish totes	\$725
6" Flex hose	\$779

MAJOR REPAIRS and MAINTENANCE

Carpet cleaning	\$1,297
Carpet and vinyl house #2	\$1,729
Dodge pick-up snowplow mounting	\$1,795
Little Sheep gravel removal	\$1,350
Ballasts replacement	\$1,560
Sprockets and chain for rotating screen	\$868

Adult Returns to Hatchery

Steelhead Wallowa Stock BY10

Big Canyon Facility

Date of first return:	March 12, 2010
Date of last return:	May 28, 2010
Number of adults returning:	1,554 males, 1,857 females
Date of peak returns:	April 23, 2010
Number of fish released to spawn naturally:	49 males, 86 females
Number of fish planted for angling opportunity:	
<i>Wallowa River</i>	42 males, 33 females
Mortality of all adult returns:	0 males; 0 females

1,067 males and 1,295 females in excess of program needs were given away to food banks and educational use.

Wallowa Fish Hatchery

Date of first return:	February 10, 2010
Date of last return:	June 3, 2010
Number of adults returning:	2,646 males, 2,259 females
Date of peak returns:	April 14, 2010
Number of fish released to spawn naturally:	0 males, 0 females
Number of fish planted for angling opportunity:	
<i>Marr Pond</i>	77 males, 23 females
<i>Ladd Pond</i>	19 males, 12 females
<i>Roulet Pond</i>	20 males, 20 females
<i>Wallowa River</i>	22 males, 19 females
<i>Wallowa Wildlife Pond</i>	45 males, 25 females
Mortality of all adult returns:	8 males; 7 females

1,704 males and 1,402 females in excess of program needs were given away to food banks and educational use.

Steelhead Imnaha Stock BY10

Little Sheep Creek Facility

Date of first return:	March 8, 2010
Date of last return:	June 1, 2010
Number of adults returning:	2,072 males, 1,654 females
Date of peak returns:	April 19, 2010
Number of fish released to spawn naturally:	181 males, 165 females
Number of fish outplanted to Big Sheep Creek:	807 males, 643 females
Mortality of all adult returns:	3 males; 2 females

870 males and 723 females in excess of program needs were given away to food banks.

Spawning Record

Steelhead

Wallowa Stock BY10 (includes Fall Caught Brood fish)

Wallowa Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
3/17/10	191,900	36	36
3/24/10	243,900	47	47
3/31/10	304,375	55	55
4/07/10	245,600	50	50
4/14/10	190,300	40	39
4/21/10	111,500	22	22

Total number of females spawned:	249
Total number of males spawned:	250
Total number of green eggs:	1,287,575
Total number of eyed eggs:	1,207,350
Number of eggs retained for rearing:	0
Number of eyed eggs shipped:	1,190,250*
Excess to program:	17,100
Date of last spawning:	4/21/10

**1,200 eyed eggs were transferred to STEP and 1,189,050 were shipped to Irrigon Fish Hatchery for incubation and rearing.*

Big Canyon Trap

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
4/06/10	244,800	48	61

Total number of females spawned:	48
Total number of males spawned:	61
Total number of green eggs:	244,800
Number of eggs retained for rearing:	0
Number of green eggs shipped:	244,800*
Date of last spawning:	4/06/10

**Eggs were shipped to Lyons Ferry Hatchery for the Cottonwood Program.*

Spawning Record

Steelhead Imnaha Stock BY10

Little Sheep Creek Facility

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
3/23/10	36,000	6	6
3/30/10	29,540	6	6
4/05/10	28,100	6	6
4/13/10	48,600	9	9
4/20/10	57,900	11	11
4/27/10	53,700	12	12
5/04/10	37,750	9	9
5/10/10	31,550	8	8

Total number of females spawned:	67
Total number of males spawned:	67
Total number of green eggs:	323,140
Total number of eyed eggs:	297,400
Number of eggs retained for rearing:	0*
Number of eggs shipped:	297,400
Date of last spawning:	5/10/10

**Unfertilized eggs and milt were transported to Wallowa Fish Hatchery for fertilization.
All eyed eggs were shipped to Irrigon Fish Hatchery for incubation and rearing.*

Fingerling Trout Reared

Rainbow Trout Cape Cod Stock BY09

Number fingerlings produced:	2,470
Weight of fingerlings produced (lbs.):	21.7
Percent mortality to release:	17.0
Average number/pound of fingerlings produced:	114
Conversion rate:	0.81

Legal Trout Reared

Rainbow Trout
Cape Cod Stock BY08

Number legals produced:	7,731
Weight of legals produced (lbs.):	4,155.3
Percent mortality to release:	2.65
Average number/pound of legals produced:	1.86
Conversion rate:	1.07

Rainbow Trout
Trout Lodge Triploid Stock BY09

Number legals produced:	40,209
Weight of legals produced (lbs.):	16,649.0
Percent mortality to release:	2.91
Average number/pound of legals produced:	2.42
Conversion rate:	1.13

Trophy Trout Reared

Rainbow Trout
Cape Cod Triploid Stock BY07

Number trophies produced:	2,867
Weight of trophies produced (lbs.):	4,832.1
Percent mortality to release:	3.36
Average number/pound of trophies produced:	0.59
Conversion rate:	1.06

Rainbow Trout
Trout Lodge Triploid Stock BY08

Number trophies produced:	1,063
Weight of trophies produced (lbs.):	1,730.8
Percent mortality to release:	1.90
Average number/pound of trophies produced:	0.61
Conversion rate:	1.28

Smolts Reared

Spring Chinook – Captive Brood Program Grande Ronde River Stock BY08

Number smolts produced:	299
Weight of smolts produced (lbs.):	15.2
Percent mortality to transfer:	2.22%
Average number/pound of smolts produced:	19.7
Conversion rate:	0.96

Steelhead Wallowa Stock BY09

Number of smolts produced:	617,514*
Weight of smolts produced (lbs.):	159,314.0
Percent mortality to stocking:	18.98%
Average number/pound of smolts produced:	3.88
Conversion rate:	1.0 at Irrigon Fish Hatchery

**Irrigon Fish Hatchery reared 619,690 smolts weighing 144,370 pounds for this program. A total of 292,953 smolts survived to release from Big Canyon Acclimation Facility. A total of 324,561 smolts survived to release from Wallowa Acclimation Facility. Pounds produced at Wallowa Fish Hatchery facilities totaled 14,944. Conversion rates at Big Canyon and Wallowa Acclimation facilities were 1.46 and 1.18, respectively.*

Steelhead Imnaha Stock BY09

Number smolts produced:	166,842*
Weight of smolts produced (lbs.):	38,3564.0
Percent mortality to stocking:	11.46%
Average number/pound of smolts produced:	4.35
Conversion rate:	1.08 at Irrigon Fish Hatchery

**Irrigon Fish Hatchery reared 217,172 smolts weighing 45,980 pounds for this program. A total of 48,625 smolts weighing 9,725 pounds were direct-stream released to Big Sheep Creek from Irrigon Fish Hatchery. A total of 166,842 smolts survived to release from Little Sheep Creek Facility, where they were acclimated prior to release. Pounds produced at Little Sheep Creek Facility totaled 2,189, and the conversion rate was 1.27.*

Food Fed and Weight Gain

**Chinook – Captive Broodstock Program
Grande Ronde River Stock BY08**

Wallowa Hatchery	
Total pounds of food fed	9.59
Conversion rate	1.04
Total pounds weight gained - all sizes produced	9.24

**Chinook – Captive Broodstock Program
Grande Ronde River Stock BY09**

Wallowa Hatchery	
Total pounds of food fed	6.44
Conversion rate	1.11
Total pounds weight gained - all sizes produced	5.79

**Steelhead
Wallowa Stock BY09**

Big Canyon Facility	
Total pounds of food fed	4,500.0
Conversion rate	1.46
Total pounds weight gained - all sizes produced	3,083.0

**Steelhead
Wallowa Stock BY09**

Wallowa Acclimation Pond	
Total pounds of food fed	14,050.0
Conversion rate	1.18
Total pounds weight gained - all sizes produced	11,861.0

**Steelhead
Imnaha Stock BY08**

Little Sheep Creek Facility	
Total pounds of food fed	2,775.0
Conversion rate	1.27
Total pounds weight gained - all sizes produced	2,189.0

Food Fed and Weight Gain

**Rainbow Trout
Cape Cod Triploid Stock BY07**

Wallowa Hatchery	
Total pounds of food fed	3,324.0
Conversion rate	1.23
Total pounds weight gained - all sizes produced	2,707.8

**Rainbow Trout
Cape Cod Stock BY08**

Wallowa Hatchery	
Total pounds of food fed	5,830.0
Conversion rate	1.07
Total pounds weight gained - all sizes produced	5,447.0

**Rainbow Trout
Cape Cod Stock BY09**

Wallowa Hatchery	
Total pounds of food fed	17.6
Conversion rate	0.81
Total pounds weight gained - all sizes produced	21.7

**Rainbow Trout
Trout Lodge Triploid Stock BY08**

Wallowa Hatchery	
Total pounds of food fed	1,341.0
Conversion rate	1.28
Total pounds weight gained - all sizes produced	1,050.8

**Rainbow Trout
Trout Lodge Triploid Stock BY09**

Wallowa Hatchery	
Total pounds of food fed	13,628.0
Conversion rate	1.13
Total pounds weight gained - all sizes produced	12,015.3

**On Hand at Wallowa Fish Hatchery
September 30, 2010**

Fish On Hand – BY08

Species	Stock	Number
Rainbow Trout	Cape Cod	3,466

Fish on Hand – BY09

Species	Stock	Number
Spring Chinook	Grande Ronde Captive Brood	308

FY10 Stocking

Total number of distribution trips:	28*
Number of fry stocked	0
Weight of fry stocked:	0 lbs.
Number of fingerlings stocked:	2,470
Weight of fingerlings stocked:	21.7 lbs.
Number of smolts stocked:	784,356
Weight of smolts stocked:	197,668.0 lbs
Number of legals stocked:	47,940
Weight of legals stocked:	20,804.3 lbs.
Number of trophies stocked:	3,930
Weight of trophies stocked:	6,562.9 lbs.
Date, location, number and weight at each stocking:	See Attached

*One trip was to transport Captive Broodstock to Bonneville Hatchery.

Wallowa Fish Hatchery and Associated Facility Stocking Records
October 1, 2009 through September 30, 2010

HATCHERY	SPECIES	STOCK	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKED	POUNDS STOCKED
BIG CANYON	SUMMER STEELHEAD	056 09	LIBERATION	4/14/2010	DEER CREEK	3.85	0	78,257	20,326.0
BIG CANYON	SUMMER STEELHEAD	056 09	LIBERATION	4/15/2010	DEER CREEK	3.85	0	76,490	19,868.0
BIG CANYON	SUMMER STEELHEAD	056 09	LIBERATION	5/10/2010	DEER CREEK	4.10	0	68,781	16,776.0
BIG CANYON	SUMMER STEELHEAD	056 09	LIBERATION	5/10/2010	DEER CREEK	4.10	0	69,425	16,933.0
LITTLE SHEEP	SUMMER STEELHEAD	029 09	LIBERATION	4/27/2010	SHEEP CR, L	4.35	0	166,842	38,354.0
WALLOWA	RAINBOW TROUT	072 08	LIBERATION	8/6/2010	WALLOWA LK	1.90	0	4,000	2,105.3
WALLOWA	RAINBOW TROUT	072 08	LIBERATION	8/12/2010	WALLOWA LK	1.82	0	3,731	2,050.0
WALLOWA	RAINBOW TROUT	072 09	LIBERATION	7/8/2010	NOREGAARD	114.00	0	800	7.0
WALLOWA	RAINBOW TROUT	072 09	LIBERATION	7/8/2010	KINNEY LK	114.00	0	1,670	14.7
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	4/13/2010	MARR PD	0.80	0	30	37.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	4/13/2010	WALLOWA WILDLIFE PD	0.80	0	30	37.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/6/2010	WALLOWA LK	0.60	12	388	646.7
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/26/2010	KINNEY LK	0.63	0	200	317.0
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/26/2010	HONEYMOON PD	0.63	0	40	63.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/26/2010	TEEPEE PD	0.63	0	40	63.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/28/2010	WALLOWA LK	0.63	6	394	625.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/28/2010	MARR PD	0.63	0	20	31.8
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/28/2010	VICTOR PD	0.63	0	20	31.8
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	5/28/2010	WALLOWA WILDLIFE PD	0.63	0	20	31.8
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/8/2010	SALT CREEK SUMMIT PD	0.63	0	40	63.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/8/2010	MCGRW PD	0.63	0	40	63.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/9/2010	TEEPEE PD	0.63	0	40	63.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/9/2010	HONEYMOON PD	0.63	0	40	63.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/11/2010	WALLOWA LK	0.63	0	200	317.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/11/2010	KINNEY LK	0.63	0	200	317.5
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/11/2010	VICTOR PD	0.63	0	50	79.4
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	6/11/2010	MARR PD	0.63	0	50	79.4
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	7/1/2010	SALT CREEK SUMMIT PD	0.54	0	100	185.2

Wallowa Fish Hatchery and Associated Facility Stocking Records
October 1, 2009 through September 30, 2010

HATCHERY	SPECIES	STOCK	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKED	POUNDS STOCKED
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	7/1/2010	MCGRAW PD	0.54	0	100	185.2
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	7/2/2010	WALLOWA LK	0.54	0	675	1,250.0
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	7/2/2010	VICTOR PD	0.54	0	80	148.1
WALLOWA	RAINBOW TROUT	072T07	LIBERATION	7/2/2010	MARR PD	0.54	0	70	129.6
WALLOWA	RAINBOW TROUT	103T08	LIBERATION	7/21/2010	WALLOWA LK	0.66	0	396	600.0
WALLOWA	RAINBOW TROUT	103T08	LIBERATION	8/6/2010	WALLOWA LK	0.59	0	266	450.8
WALLOWA	RAINBOW TROUT	103T08	LIBERATION	8/12/2010	WALLOWA LK	0.59	0	401	680.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	4/13/2010	MARR PD	3.10	0	250	80.6
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	4/13/2010	WALLOWA WILDLIFE PD	3.10	0	250	80.6
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/6/2010	WALLOWA LK	2.60	0	5,002	1,924.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/26/2010	KINNEY LK	2.40	0	2,001	834.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/26/2010	HONEYMOON PD	2.40	0	501	209.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/26/2010	TEEPEE PD	2.40	0	501	209.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/28/2010	WALLOWA LK	2.40	0	5,001	2,084.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/28/2010	MARR PD	2.40	0	500	208.3
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/28/2010	VICTOR PD	2.60	0	501	192.7
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	5/28/2010	WALLOWA WILDLIFE PD	2.60	0	501	192.7
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/8/2010	MCGRAW PD	2.50	0	500	200.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/8/2010	SALT CREEK SUMMIT PD	2.50	0	500	200.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/9/2010	TEEPEE PD	2.50	0	500	200.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/9/2010	HONEYMOON PD	2.50	0	500	200.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/11/2010	WALLOWA LK	2.50	0	6,000	2,400.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/11/2010	KINNEY LK	2.50	0	2,000	800.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/11/2010	VICTOR PD	2.50	0	500	200.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	6/11/2010	MARR PD	2.50	0	1,075	430.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/1/2010	SALT CREEK SUMMIT PD	2.35	0	503	214.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/1/2010	MCGRAW PD	2.35	0	503	214.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/2/2010	WALLOWA LK	2.40	0	6,000	2,500.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/2/2010	VICTOR PD	2.40	0	504	210.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/2/2010	MARR PD	2.40	0	252	105.0

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WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/21/2010	WALLOWA LK	1.95	0	5,070	2,600.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	7/21/2010	WALLOWA LK	1.95	0	176	90.0
WALLOWA	RAINBOW TROUT	103T09	LIBERATION	10/19/2009	NOREGAARD	8.70	0	618	71.0
WALLOWA ACC	SUMMER STEELHEAD	056 09	LIBERATION	4/20/2010	SPRING CR	3.80	0	165,844	43,643.0
WALLOWA ACC	SUMMER STEELHEAD	056 09	LIBERATION	4/21/2010	SPRING CR	3.80	0	158,717	41,768.0
WALLOWA	SPRING CHINOOK	080Z08	TRANSFER	5/19/2010	BONNEVILLE HATCHERY	19.67	0	299	15.2
WALLOWA	SPRING CHINOOK	080Z08	DESTROY	11/30/2009	PROGRAM EXCESS	39.47	0	8	0.2
WALLOWA	RAINBOW TROUT	072 09	DESTROY	7/1/2010	WHIRLING DISEASE TEST	114.00	0	60	0.5