



OREGON DEPARTMENT OF FISH AND WILDLIFE

ANNUAL REPORT WALLOWA HATCHERY

October 1, 2011 through September 30, 2012



WALLOWA HATCHERY ANNUAL REPORT FY2012

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 1,212,121 (green) Wallowa stock (56) summer steelhead eggs and 315,960 (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 Little Sheep Creek and 50,000 to Big Sheep (direct stream). The Big Sheep smolts will be acclimated and released with the Little Sheep smolts until the bridge on Big Sheep Creek is repaired. The adult return goal is 9,184 for the Wallowa stock and 2,000 for the Little Sheep stock into their respective mitigation areas.

This is the ninth year of supplementing our existing Wallowa steelhead program with Fall Collected Brood (FCB) and the seventh year of FCB smolt releases. This was the fifth 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 lower than the previous record return year. The stock designations for adults collected during the 2012 season were Wallowa and Big Canyon (5612) and Little Sheep/Imnaha (2912).

Wallowa Hatchery collected 1,765 hatchery origin steelhead. Of those, 890 were male and 875 were female. This number includes the FCB adults (169 males and 160 females) that were RV clipped and returned to the Wallowa Hatchery trap. This was 1,710 less fish than 2011 and 3,111 less than the 2010 return.

Big Canyon satellite facility had a return of 1,425 adult hatchery origin steelhead consisting of 647 males and 778 females. This was 1,427 less adults than the number returning in 2011 and 1,851 less than in 2012. We had 69 (34 males, 35 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 2011 were 133 adults.

Little Sheep facility had 1,256 hatchery adults return (557 males, 699 females), which is only 52 less than the 2011 return of 1,308. Natural origin returns were 144 adults (45 male, 99 female), compared to 248 in 2011. Of the adults collected, 109 hatchery and 133 natural origin steelhead were passed above the weir in Little Sheep Creek. Additional releases include 350 hatchery adults transferred to Big Sheep Creek to spawn naturally.

Egg Production - Wallowa Stock (5612) Summer Steelhead

There were a total of 1,257,500 Wallowa stock eggs taken during the season, 871,200 production and 386,300 FCB eggs. We transferred 1,066,600 eyed eggs to Irrigon Hatchery. 1,600 eggs were transferred to local school education programs (STEP). The green to eyed egg loss was 8.2% for the Wallowa stock as a whole. This is the fifth year for spawning the RV fin clipped adults (FCB progeny) returning to Wallowa Hatchery. The FCB segregated eggs had a slightly higher percent loss of 8.7%.

Egg Production - Imnaha Stock (2911) Summer Steelhead

A total of 323,300 green eggs were taken in the 2012 season. We transferred 267,700 eyed eggs to Irrigon Hatchery. Egg loss was 17.2%, comparable to the 12.8% loss in 2011.

Smolt Acclimation Summer Steelhead

There were 515,116 Wallowa stock (5611) smolts acclimated and released from Wallowa Hatchery. Big Canyon acclimated and released 327,367 Wallowa stock (5611) smolts.

Little Sheep satellite facility acclimated and released 212,091 Imnaha stock (2911) 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

We collected and distributed approximately 2,247 adult Steelhead to local food banks.

We converted one of the three bunkhouse bedrooms to a boot room with new roomy lockers. This solved a long standing safety issue from using an electrical room for boot storage.

The hatchery hosts painted the well building.

We repaired several leaks in the irrigation system around the hatchery. The system will need to be replaced in the near future due to the galvanized pipe rusting through. Every time we fix one spot another spot develops a leak!

Completed the following items found during Environmental Compliance Audit.

- Install bollards around above ground diesel tank.
- Labeled above ground fuel tank and used oil tank with appropriate warnings.
- Cleaned out flammable cabinet and disposed of outdated substances.

Big Canyon Facility

Moved propane tank to OSHA approved location behind bollards.

Completed the following items found during Environmental Compliance Audit.

- Acquired and installed appropriate labels for propane tank.
- Cleaned out flammable cabinet and disposed of outdated substances.

Little Sheep Facility

We removed several truck loads of noxious weeds throughout year.

We re-painted the propane tank.

We removed about 10 yards of rock that has washed up against our intake over the last few years.

MAINTENANCE PROJECTS ACCOMPLISHED BY CONTRACTORS

Wallowa Hatchery

Rebuilt carburetor on the engine for the feed blower used at the acclimation ponds.

New flooring was installed in half of the bunkhouse. We also painted the bathroom, hallway, and new boot room in the bunkhouse.

Tree Care North was contracted to remove trees around the dam at our settling pond outflow dam. They were recognized as being a hazard to the integrity of the dam.

Kringlen Heating and AC replaced the blow fan for one the heat pumps for the office building.

Big Canyon Facility

Reinforced the bank along Deer Creek near the weir after high flow breached the levy.

Moffit Brothers Construction removed 50 cubic yards of rock and debris at the Big Canyon intake. The rock build-up was beginning to reduce the flow that we could safely take into the facility.

Little Sheep Facility

MAJOR PURCHASES

Fish Food	\$15,415
DEQ water analysis	\$1,547
Propane	\$4,269
Ice Maker	\$3,158
Steel	\$1,145
Appliances	\$1,600
Plasma Cutter	\$922
Intake Motor	\$574

MAJOR REPAIRS and MAINTENANCE

Tree Care North	\$4,995
Milligan Motors –Vehicle Maintenance	\$1,061
Moffit Brothers- Rock removal	\$1,432
Carpet One-Flooring	\$2,336

Adult Returns to Hatchery

Steelhead Wallowa Stock 56 BY12

Big Canyon Facility

Date of first return:	February 24, 2012
Date of last return:	May 18, 2012
Number of adults returning:	681 males, 813 females
Date of peak returns:	March 30, 2012
Number of fish released to spawn naturally:	34 males, 35 females
Number of fish planted for angling opportunity:	
<i>Wallowa River</i>	37 males, 58 females
<i>Roulet Pond</i>	20 males, 20 females
<i>Ladd Pond</i>	14 males, 17 females
<i>Wallowa Wildlife Pond</i>	34 males, 35 females
Mortality of all adult returns:	0 males; 0 females

424 males and 539 females in excess of program needs were given away to food banks and educational use.

Wallowa Fish Hatchery

Date of first return:	February 15, 2012
Date of last return:	May 10, 2012
Number of adults returning:	895 males, 880 females
Date of peak returns:	March 28, 2012
Number of fish released to spawn naturally:	0 males, 0 females
Number of fish planted for angling opportunity:	
<i>Marr Pond</i>	53 males, 44 females
<i>Wallowa River</i>	5 males, 5 females
Mortality of all adult returns:	1 male; 0 females

376 males and 301 females in excess of program needs were given away to food banks and educational use.

Steelhead Imnaha Stock 29 BY12

Little Sheep Creek Facility

Date of first return:	March 12, 2012
Date of last return:	May 21, 2012
Number of adults returning:	602 males, 798 females
Date of peak returns:	April 6, 2012
Number of fish released to spawn naturally:	105 males, 137 females
Number of fish outplanted to Big Sheep Creek:	144 males, 206 females
Mortality of all adult returns:	0 males; 0 females

302 males and 305 females in excess of program needs were given away to food banks.

Spawning Record

Steelhead

Wallowa Stock 56 BY12 (*includes Fall Caught Brood fish*)

Wallowa Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
3/07/12	71,500	15	15
3/14/12	203,100	39	39
3/21/12	238,700	49	49
3/28/12	337,600	68	68
4/04/12	178,500	33	33
4/11/12	140,500	27	27
4/18/12	87,600	15	15

Total number of females spawned:	246
Total number of males spawned:	246
Total number of green eggs:	1,257,500
Total number of eyed eggs:	1,159,200
Number of eggs retained for rearing:	0
Number of eyed eggs shipped:	1,068,200*
Excess to program:	91,000
Date of last spawning:	4/18/12

**1,600 eyed eggs were transferred to STEP and 1,066,600 were shipped to Irrigon Fish Hatchery for incubation and rearing.*

Spawning Record

Steelhead Imnaha Stock 29 BY12

Little Sheep Creek Facility

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
3/27/12	41,900	9	7
4/03/12	46,200	10	8
4/10/12	35,400	7	2
4/17/12	69,500	13	11
4/24/12	63,000	12	10
5/01/12	21,200	5	4
5/08/12	46,100	11	10

Total number of females spawned:	67
Total number of males spawned:	52
Total number of green eggs:	323,300
Total number of eyed eggs:	267,700
Number of eggs retained for rearing:	0*
Number of eggs shipped:	267,700
Date of last spawning:	5/08/12

**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 72 BY11	
Number fingerlings produced:	4,800
Weight of fingerlings produced (lbs.):	36
Percent mortality to release:	7.46
Average number/pound of fingerlings produced:	133
Conversion rate:	0.58

Legal Trout Reared

Rainbow Trout	
Cape Cod Triploid Stock 72T BY10	
Number legals produced:	46,016
Weight of legals produced (lbs.):	17,534
Percent mortality to release:	4.31
Average number/pound of legals produced:	2.62
Conversion rate:	1.05

Trophy Trout Reared

Rainbow Trout	
Oak Springs Triploid Stock 53 BY09	
Number trophies produced:	2,502
Weight of trophies produced (lbs.):	3,625
Percent mortality to release:	2.05
Average number/pound of trophies produced:	0.69
Conversion rate:	1.60

Fingerlings Reared

**Spring Chinook – Captive Brood Program
Grande Ronde River Stock 80Z BY11**

Number smolts produced:	295
Weight of smolts produced (lbs.):	1.48
Percent mortality to transfer:	2.64%
Average number/pound of smolts produced:	199.5
Conversion rate:	1.16

Smolts Reared

**Spring Chinook – Captive Brood Program
Grande Ronde River Stock 80Z BY10**

Number smolts produced:	294
Weight of smolts produced (lbs.):	15.5
Percent mortality to transfer:	2.0%
Average number/pound of smolts produced:	19.0
Conversion rate:	1.20

Steelhead

Wallowa Stock 56 BY11

Number of smolts produced:	842,753*
Weight of smolts produced (lbs.):	201,297
Percent mortality to stocking:	5.64%
Average number/pound of smolts produced:	4.19
Conversion rate:	0.86 at Irrigon Fish Hatchery

**Irrigon Fish Hatchery reared 848,680 smolts weighing 186,340 pounds for this program. A total of 327,637 smolts survived to release from Big Canyon Acclimation Facility. A total of 515,116 smolts survived to release from Wallowa Acclimation Facility. Pounds produced at Wallowa Fish Hatchery facilities totaled 14,957. Conversion rates at Big Canyon and Wallowa Acclimation facilities were 1.60 and 0.86, respectively.*

Smolts Reared

Steelhead

Imnaha Stock 29 BY11

Number smolts produced:	212,091*
Weight of smolts produced (lbs.):	42,445
Percent mortality to stocking:	1.49%
Average number/pound of smolts produced:	5.00
Conversion rate:	0.88 at Irrigon Fish Hatchery

**Irrigon Fish Hatchery reared 213,891 smolts weighing 40,550 pounds for this program. A total of 212,091 smolts survived to release from Little Sheep Creek Facility, where they were acclimated prior to release. Pounds produced at Little Sheep Creek Facility totaled 1,895, and the conversion rate was 1.49.*

Food Fed and Weight Gain

Chinook – Captive Broodstock Program

Grande Ronde River Stock 80Z BY10

Wallowa Hatchery

Total pounds of food fed	12.01
Conversion rate	1.32
Total pounds weight gained - all sizes produced	9.07

Chinook – Captive Broodstock Program

Grande Ronde River Stock 80Z BY11

Wallowa Hatchery

Total pounds of food fed	1.53
Conversion rate	1.25
Total pounds weight gained - all sizes produced	1.22

Steelhead

Wallowa Stock 56 BY11

Big Canyon Facility

Total pounds of food fed	4,720.0
Conversion rate	1.60
Total pounds weight gained - all sizes produced	2,950.0

Food Fed and Weight Gain

Steelhead Wallowa Stock 56 BY11

Wallowa Acclimation Pond	
Total pounds of food fed	10,340.0
Conversion rate	0.86
Total pounds weight gained - all sizes produced	7,458.0.0

Steelhead Imnaha Stock BY11

Little Sheep Creek Facility	
Total pounds of food fed	2,816.0
Conversion rate	1.49
Total pounds weight gained - all sizes produced	1,895.0

Rainbow Trout Oak Springs Stock 53 BY11

Wallowa Hatchery	
Total pounds of food fed	36.4
Conversion rate	1.71
Total pounds weight gained - all sizes produced	21.3

Rainbow Trout Oak Springs Triploid Stock 53T BY09

Wallowa Hatchery	
Total pounds of food fed	3,430.0
Conversion rate	1.62
Total pounds weight gained - all sizes produced	2,116.9

Rainbow Trout Cape Cod Stock 72 BY11

Wallowa Hatchery	
Total pounds of food fed	24.5
Conversion rate	0.58
Total pounds weight gained - all sizes produced	42.5

Food Fed and Weight Gain**Rainbow Trout
Cape Cod Triploid Stock 72T BY10**

Wallowa Hatchery

Total pounds of food fed	9,488.0
Conversion rate	1.05
Total pounds weight gained - all sizes produced	9,042.9

**On Hand at Wallowa Fish Hatchery
September 30, 2011**

Fish on Hand – BY10

Species	Stock	Number
Rainbow Trout	Cape Cod Triploid	3,128

FY11 Stocking

Total number of distribution trips:	17*
Number of fry stocked	0
Weight of fry stocked:	0 lbs.
Number of fingerlings stocked:	4,800
Weight of fingerlings stocked:	36 lbs.
Number of smolts stocked:	1,054,973
Weight of smolts stocked:	243,742 lbs
Number of legals stocked:	46,016
Weight of legals stocked:	17,534 lbs.
Number of trophies stocked:	2,502
Weight of trophies stocked:	3,625 lbs.
Date, location, number and weight at each stocking:	See Attached

*Two trips were to transport Captive Broodstock to Bonneville Hatchery.

Wallowa Fish Hatchery and Associated Facility Stocking Records
October 1, 2011 through September 30, 2012

HATCHERY	SPECIES	STOCK	TYPE	DATE	FROM/TO	NO/LB	MORTS	NUMBER STOCKED	POUNDS STOCKED
BIG CANYON	SUMMER STEELHEAD	056 11	LIBERATION	04-14-12	DEER CR	4.30	0	82150	19,105.00
BIG CANYON	SUMMER STEELHEAD	056 11	LIBERATION	04-15-12	DEER CREEK	4.30	0	82582	19,205.00
BIG CANYON	SUMMER STEELHEAD	056 11	LIBERATION	04-24-12	DEER CR	4.35	0	81504	18,750.00
BIG CANYON	SUMMER STEELHEAD	056 11	LIBERATION	04-25-12	DEER CR	4.34	0	81401	18,750.00
LITTLE SHEEP	SUMMER STEELHEAD	029 11	LIBERATION	04-24-12	SHEEP CR, L	5.00	0	212220	42,445.00
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-02-12	MARR PD	0.84	0	50	59.50
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-02-12	WALLOWA WILDLIFE PD	0.84	0	50	59.00
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-10-12	VICTOR PD	0.81	0	50	61.72
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-17-12	WALLOWA LK	0.80	0	250	312.50
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-17-12	KINNEY LK	0.80	0	150	187.50
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-22-12	WALLOWA WILDLIFE PD	0.75	0	50	66.70
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-22-12	MARR PD	0.75	0	50	66.70
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-22-12	TEEPEE PD	0.75	0	40	53.30
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	05-22-12	HONEYMOON POND	0.75	0	40	53.30
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-07-12	VICTOR PD	0.72	0	50	69.44
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-07-12	WALLOWA WILDLIFE PD	0.72	0	50	69.44
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-08-12	MARR PD	0.72	0	150	208.33
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-08-12	WALLOWA LK	0.72	0	250	347.22
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-13-12	SALT CREEK SUMMIT POND	0.67	0	35	52.24
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-13-12	MCGRAW POND	0.67	0	35	52.23
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-13-12	KINNEY LK	0.67	0	150	223.88
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-28-12	TEEPEE PD	0.68	0	40	58.82
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-28-12	HONEYMOON POND	0.68	0	40	58.82
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	06-29-12	WALLOWA LK	0.68	0	250	367.65
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	07-11-12	SALT CREEK SUMMIT POND	0.67	0	60	89.55
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	07-11-12	MCGRAW POND	0.67	0	60	89.55
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	07-17-12	WALLOWA LK	0.64	0	250	390.63
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	07-17-12	KINNEY LK	0.64	0	50	78.13
WALLOWA	RAINBOW TROUT	053T09	LIBERATION	07-30-12	WALLOWA LK	0.55	0	302	549.00

WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-02-12	MARR PD	3.00	0	250	83.30
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-02-12	WALLOWA WILDLIFE PD	3.00	0	250	83.30
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-10-12	VICTOR PD	3.00	0	500	166.60
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-17-12	WALLOWA LK	2.60	0	6000	2,307.69
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-17-12	KINNEY LK	2.60	0	3000	1,153.84
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-22-12	WALLOWA WILDLIFE PD	2.60	0	500	192.30
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-22-12	MARR PD	2.60	0	500	192.30
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-22-12	TEEPEE PD	2.60	0	500	192.30
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	05-22-12	HONEYMOON POND	2.60	0	500	192.30
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-07-12	VICTOR PD	2.57	0	501	195.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-07-12	WALLOWA WILDLIFE PD	2.57	0	501	195.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-08-12	MARR PD	2.57	0	1285	500.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-08-12	WALLOWA LK	2.57	0	2700	1,050.58
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-13-12	SALT CREEK SUMMIT POND	2.57	0	500	194.55
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-13-12	MCGRAW POND	2.57	0	500	194.55
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-13-12	KINNEY LK	2.57	0	1285	500.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-28-12	TEEPEE PD	3.00	0	500	166.66
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-28-12	HONEYMOON POND	3.00	0	500	166.66
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	06-29-12	WALLOWA LK	3.00	0	6000	2,000.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-11-12	SALT CREEK SUMMIT POND	2.90	0	500	172.41
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-11-12	MCGRAW POND	2.90	0	500	172.41
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-16-12	MARR PD	2.75	0	500	181.82
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-16-12	WALLOWA WILDLIFE PD	2.75	0	500	181.82
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-16-12	VICTOR PD	2.75	0	500	181.82
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-17-12	WALLOWA LK	2.70	0	2808	1,040.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-17-12	WALLOWA LK	2.70	0	3200	1,185.19
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-17-12	KINNEY LK	2.70	0	3002	1,111.85
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-30-12	WALLOWA LK	2.30	0	6900	3,000.00
WALLOWA	RAINBOW TROUT	072T10	LIBERATION	07-30-12	WALLOWA LK	2.30	0	1334	580.00
WALLOWA	RAINBOW TROUT	072 11	LIBERATION	07-31-12	CRATER LK	208.00	0	3120	15.00
WALLOWA	RAINBOW TROUT	072 11	LIBERATION	08-30-12	NOREGAARD	80.00	0	1680	21.00
WALLOWA ACC	SUMMER STEELHEAD	056 11	LIBERATION	04-07-12	SPRING CR	4.00	0	191585	47,896.00
WALLOWA ACC	SUMMER STEELHEAD	056 11	LIBERATION	04-08-12	SPRING CR	3.99	0	194702	48,791.00
WALLOWA ACC	SUMMER STEELHEAD	056 11	LIBERATION	04-21-12	SPRING CR	4.47	0	128829	28,800.00

WALLOWA	SPRING CHINOOK	080Z10	TRANSFER	05-30-12	BONNEVILLE HATCHERY	19.00	0	294	15.47
WALLOWA	SPRING CHINOOK	080Z11	TRANSFER	05-21-12	BONNEVILLE HATCHERY	199.50	0	295	1.48
WALLOWA	RAINBOW TROUT	053 11	DESTROY	07-19-12	EUTHANIZED	76.48	0	1759	23.00