

## WALLOWA FISH HATCHERY

### INTRODUCTION

#### Location

Wallowa Fish Hatchery is located in northeast Oregon, one mile west of Enterprise. The hatchery is situated along Spring Creek one mile from the confluence with the Wallowa River and 613 river miles from the Pacific Ocean, along a route that encompasses Spring Creek and the Wallowa, Grande Ronde, Snake and Columbia rivers. Two satellite stations, Big Canyon Facility (Wallowa River system) and Little Sheep Creek Facility (Imnaha River system) are used for adult trapping, spawning and smolt acclimation. Big Canyon Facility is located approximately 30 miles west of Wallowa Fish Hatchery, and Little Sheep Creek Facility is located approximately 30 miles east of the hatchery.

### OBJECTIVES

#### Mitigation Goals

Wallowa Fish Hatchery is operated as part of the Lower Snake River Compensation Program. Mitigation goals include collecting 1,101,000 (green) Wallowa stock (56) summer steelhead eggs and 441,000 (green) Imnaha stock (29) summer steelhead eggs. The current production goal for the Wallowa stock is 870,000 smolts. The Imnaha stock goal is 330,000 smolts, with 230,000 smolts targeted for acclimated releases to Little Sheep Creek and 100,000 smolts targeted for direct-stream releases to Big Sheep Creek.

### SUMMER STEELHEAD

#### Adult Returns

Wallowa stock (5601) steelhead returning to Wallowa Fish Hatchery numbered 678 males and 584 females, totaling 1,262 adults, compared to 975 adults in 2000. Adult (5601) hatchery steelhead returns to Big Canyon Facility totaled 862 fish, 353 males and 509 females, quite a change from total returns of only 333 steelhead in 2000. A total of 71 natural adult steelhead, 34 males and 37 females, returned to Big Canyon Facility, up from 50 in 2000. Imnaha stock (2901) adult hatchery steelhead returns to Little Sheep Creek Facility numbered 604 males and 623 females, for a total of 1,227 fish. During the previous year only 443 hatchery adults returned to Little Sheep Creek Facility. Natural adults returning to Little Sheep Creek Facility numbered 37 males and

90 females for a total of 127 fish. The 2001 natural adult female component was substantially higher than the previous year's return of 38 females.

#### **Egg Production, Wallowa Stock (5601) Summer Steelhead**

A total of 1,155,905 Wallowa stock eggs was taken during the 2001 spawning season and 999,700 eyed eggs were shipped to Irrigon Fish Hatchery. Egg loss for the Wallowa stock was 13.5 % for the season, up slightly from last year's 11.0 % loss.

#### Egg Production, Imnaha Stock (2901) Summer Steelhead

During the 2001 spawning season, 479,970 green eggs were taken at Little Sheep Creek Facility. Egg loss was 18.8%, little changed from last year's 18.3%. A total of 358,630 eyed eggs was transferred to Irrigon Fish Hatchery.

#### Smolt Acclimation, Summer Steelhead

Wallowa Acclimation Facility acclimated and released 551,519 Wallowa stock (5600) smolts. Big Canyon Facility acclimated and released a total of 290,835 (5600) smolts. An additional 4,959 smolts from Wallowa Acclimation Facility and 1,634 smolts from Big Canyon Facility were transported and released into Kinney Lake due to their high potential for residualization. Little Sheep Creek Facility acclimated and released a total of 242,456 Imnaha stock (2900) smolts into Little Sheep Creek. Summer steelhead acclimated and released from the above facilities was reared at Irrigon Fish Hatchery.

### **KELT PROJECT**

The last Little Sheep Creek female was euthanized in March of 2001. The project was informally continued past the official project termination date to check on the efficacy of alternate copepod treatments.

### **CONSTRUCTION AND MAINTENANCE**

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

### **PROJECTS ACCOMPLISHED BY ODFW PERSONNEL**

#### Wallowa Fish Hatchery Complex

Spent approximately 200 staff hours retrieving, correcting and collating 12 years of data needed for the development of the Hatchery Genetic Management Plan (HGMP) for

Wallowa stock steelhead. We also compiled all similar data for the Little Sheep Creek stock to produce a complete and easily retrievable database for the past 12 years.

Responded to requests for information from: LSRCP (Fire Management Plan) and ODFW Fish Division and Pathology (DEQ Formalin use and MSDS usage forms).

Prepared new DEQ Waste Discharge Permit applications for all three facilities.

Finished re-plumbing the Wallowa and Little Sheep Creek egg rooms. We installed new PVC pipe and ball valves to all the incubators. The new plumbing system reduces the time needed to set flows, eliminates the need to reset flows prior to each Formalin treatment, and clearly identifies which water source is in use.

Repaired hatchery's main water line (Wallowa River) supplying the adult steelhead holding pond, including excavating the area, identifying the leak and installing a special order pipe repair saddle.

Replaced one incubation booster pump housing after finding the original pump and housing combination didn't prime properly.

Modified Wallowa Acclimation Facility's intake grates to facilitate cleaning and help prevent obstructions during high water events.

Fabricated dam board supports for the five spillways at the Wallowa Acclimation Facility dam/intake.

Prepped and painted the exterior of both hatchery residences.

Applied blow-in insulation to the shop attic to improve heating efficiency. This was the number one cost savings suggestion from our energy audit this past winter.

Spent a significant amount of time producing Wallowa Fish Hatchery-specific modifications for the liberation tank specifications developed by Bob Becker.

Replaced a leaking section of the upper spring line with 12 " PVC pipe and joined the sections with special order couplers.

Cleaned out the fish tank room in the old hatchery building in preparation for painting.

Worked on minor corrections identified by our first professional hoist safety inspection of Wallowa Fish Hatchery and its two satellite facilities. Crane Pro Services identified a number of problems at all three locations.

### **Big Canyon Facility**

Modified the adult trap access ladder and fabricated and installed a fish escapement screen to eliminate residual steelhead escapement when working the trap.

### Little Sheep Creek Facility

Installed 115 feet of 12" PVC pipe (above ground) for an adult release line from the trap to the river. This saved considerable time and reduced stress associated with passing adult fish upstream. The pipeline solved several problems and has already paid for its installation. The installation of the pipeline had an additional benefit by allowing us to decommission the old hoist and trolley adult release system, saving the \$4000.00 needed to bring the hoist system into compliance.

Installed a new pump to aid in filling liberation trucks and supplying water to the new adult release line.

### **MAINTENANCE PROJECTS ACCOMPLISHED BY CONTRACTORS**

#### Wallowa Fish Hatchery Complex

All cranes and the hoist were inspected for deficiencies by Crane Pro Services and the contractor will correct all serious deficiencies in early October.

Potential hazard tree limbs were removed around the hatchery.

The heating system was serviced as part of our annual maintenance program.

The generator system was serviced as part of our annual maintenance program.

All fire extinguishers were inspected as part of our annual maintenance program.

The bunkhouse carpets were professionally cleaned.

An electrician corrected various electrical deficiencies.

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Little Sheep Creek Facility

Aluminum jump screens were fabricated and installed in the adult holding pond by a local fabrication company, as well as pipe supports for the new adult release line.

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**MAJOR PURCHASES**

Dam board stock	\$ 727
Office 2000 (2 copies)	\$ 569
Dell computer	\$1,286
Replacement pressure washer pump and unloader	\$1,139
Replacement windows	\$3,178
Truck fill pump	<u>\$ 653</u>
Total	\$7,552

**MAJOR REPAIRS**

Incubation room modification parts	\$ 2,278
Wallowa waterline repair parts	\$ 2,300
Upper Spring waterline repair parts	\$ 1,529
HVAC maintenance	\$ 745
Mower/tractor repairs	\$ 1,375
Tree trimming at Wallowa Hatchery (hazard)	\$ 1,000
Electrical maintenance	\$ 1,004
Adult release line - Little Sheep	\$ 1,992
Adult jump screens – Little Sheep	\$ 1,986
Crane inspection	<u>\$ 880</u>

Total \$15,089

### Adult Returns to Hatchery

#### Steelhead Wallowa Stock BY01

##### Big Canyon Facility

Date of first return:	March 12, 2001
Date of last return:	May 29, 2001
Number of females returning:	546
Number of males returning:	387
Date of peak returns:	April 30, 2001
Number of females released to spawn naturally:	37
Number of males released to spawn naturally:	34
Mortality of all adult returns:	0 females; 0 males

##### Wallowa Fish Hatchery

Date of first return:	March 15, 2001
Date of last return:	May 16, 2001
Number of females returning:	584
Number of males returning:	678
Date of peak returns:	April 4, 2001
Number of females released to spawn naturally:	0
Number of males released to spawn naturally:	0
Mortality of all adult returns:	0 females; 0 males

#### Steelhead Imnaha Stock BY01

##### Little Sheep Creek Facility

Date of first return:	March 12, 2001
Date of last return:	June 11, 2001
Number of females returning:	713
Number of males returning:	641
Date of peak returns:	April 23, 2001
Number of females released to spawn naturally:	602*
Number of males released to spawn naturally:	537**
Mortality of all adult returns:	0 females; 1 male

*\*418 females were released into Little Sheep Creek and 184 were released into Big Sheep Creek to spawn naturally.*

*\*\*367 males were released into Little Sheep Creek and 170 males were released into Big Sheep Creek to spawn naturally. Eight of the males released into Little Sheep Creek contributed sperm to the Imnaha steelhead program before being passed upstream.*

**Spawning Record**

**Steelhead  
Wallowa Stock BY01**

Wallowa Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
3/28/01	118,005	21	24
4/04/01	278,300	53	51
4/11/01	202,200	40	40
4/18/01	140,300	27	27
4/25/01	179,600	38	39
5/02/01	176,800	36	36
5/09/01	48,300	11	12
5/16/01	12,400	3	3

Total number of females spawned: 229  
 Total number of males spawned: 232  
 Total number of green eggs: 1,155,905  
 Total number of eyed eggs: 999,700  
 Number of eggs retained for rearing: 0\*  
 Number of eggs shipped: 999,700  
 Date of last spawning: 5/16/01

*\*All eyed eggs were shipped to Irrigon Fish Hatchery for incubation and rearing.*

## Spawning Record

### Steelhead Imnaha Stock BY01

Little Sheep Creek Facility

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
4/03/01	95,570	20	21
4/10/01	43,450	12	12
4/17/01	20,670	6	6
4/24/01	147,120	33	34
5/01/01	64,700	12	12
5/08/01	73,890	15	15
5/15/01	27,490	9	8
5/23/01	7,080	2	3

Total number of females spawned: 109  
 Total number of males spawned: 108\* (*three males used twice*)  
 Total number of green eggs: 479,970  
 Total number of eyed eggs: 358,630  
 Number of eggs retained for rearing: 0\*\*  
 Number of eggs shipped: 358,630  
 Date of last spawning: 5/23/01

*\*Eight males were live spawned and immediately passed above the weir.*

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

**Spawning Record**

**O. mykiss Breeding Experiment  
Wallowa Stock Steelhead, Prairie Creek Stock Wild Rainbow, BY01**

Wallowa Fish Hatchery

Date Spawned	Number of Eggs Taken	Females Spawned	Males Spawned
3/21/01	472	1 Rb	2 StS, 2 Rb
4/04/01	3279	2 StS, 2 Rb	2 StS, 4 Rb

Total number of females spawned: 2 Steelhead, 3 Rainbow Trout  
 Total number of males spawned: 4 Steelhead, 6 Rainbow Trout  
 Total number of green eggs: 3,751  
 Total number of eyed eggs: 3,510  
 Number of eggs retained for rearing: 0\*  
 Number of eggs shipped: 3,510  
 Date of last spawning: 4/04/01

*\*Eyed eggs were shipped to Irrigon Fish Hatchery for incubation and rearing.*

**Smolts Reared**

<b>Steelhead</b>	
<b>Wallowa Stock BY00</b>	
Number of smolts produced:	848,947*
Weight of smolts produced (lbs.):	187,516
Percent mortality to stocking:	7.03%
Average number/pound of smolts produced:	4.53
Conversion rate:	1.04 at Irrigon Fish Hatchery

*\*Irrigon Fish Hatchery reared 869,054 smolts weighing 169,728 pounds for this program. All smolts were transferred to Wallowa satellite facilities for acclimation and release. A total of 290,835 smolts survived to release from Big Canyon Acclimation Facility. A total of 551,519 smolts survived to release from Wallowa Acclimation Facility. In addition, 1,634 steelhead were released into Kinney Lake from Big Canyon Facility and 4,959 steelhead were released into Kinney Lake from Wallowa Acclimation Facility. These fish remained in the acclimation ponds after the volitional release period, were over 70% male, and were believed to be at high risk for residualization. Both releases took place on 5/24/2001.*

*Pounds produced at Wallowa facilities totaled 17,788.00. Conversion rates at Big Canyon and Wallowa Acclimation facilities are listed on the following page.*

<b>Steelhead</b>	
<b>Imnaha Stock BY00</b>	
Number smolts produced:	242,456*
Weight of smolts produced (lbs.):	56,769.00
Percent mortality to stocking:	4.46%
Average number/pound of smolts produced:	4.27
Conversion rate:	0.97 at Irrigon Fish Hatchery

*\*Irrigon Fish Hatchery reared 243,146 smolts weighing 48,235 pounds for this program. These fish were transferred to Little Sheep Creek Facility for acclimation, with 242,456 smolts surviving to release. Pounds produced at Wallowa facilities totaled 8,534.00. The conversion rate at Little Sheep Creek Facility is listed on the following page.*

**Food Fed and Weight Gain**

**Steelhead  
Wallowa Stock BY00**

Big Canyon Facility	
Total pounds of food fed	5,500
Conversion rate	1.16
Total pounds weight gained - all sizes produced	3,417

**Steelhead  
Wallowa Stock BY00**

Wallowa Acclimation Pond	
Total pounds of food fed	19,600
Conversion rate	1.36
Total pounds weight gained - all sizes produced	14,371

**Steelhead  
Imnaha Stock BY00**

Little Sheep Creek Facility	
Total pounds of food fed	8,400
Conversion rate	0.98
Total pounds weight gained - all sizes produced	8,534

***FY 2000 was the last year of the Wallowa Fish Hatchery trout program.***

**FY01  
Stocking**

Total number of distribution trips:	2	
Number of fry stocked		0
Weight of fry stocked:	0 lbs.	
Number of fingerlings stocked:	0	
Weight of fingerlings stocked:		0 lbs.
Number of smolts stocked:	1,091,403	
Weight of smolts stocked:	244,285 lbs	
Date, location, number and weight at each stocking:	See Attached.	

Stocking Records from Wallowa Fish Hatchery and S  
October 1, 2000 through September 30, 200

FACILITY	SPECIES	LOT	DATE	WATERBODY	NO/LB
BIG CANYON	SUMMER STEELHEAD	056 00	4/11/2001	DEER CREEK	4.50
BIG CANYON	SUMMER STEELHEAD	056 00	4/12/2001	DEER CREEK	4.39
BIG CANYON	SUMMER STEELHEAD	056 00	5/9/2001	DEER CREEK	4.69
BIG CANYON	SUMMER STEELHEAD	056 00	5/10/2001	DEER CREEK	4.72
BIG CANYON	SUMMER STEELHEAD	056 00	5/24/2001	KINNEY LK	4.89
LITTLE SHEEP	SUMMER STEELHEAD	029 00	4/11/2001	SHEEP CR, L	4.16
LITTLE SHEEP	SUMMER STEELHEAD	029 00	5/9/2001	SHEEP CR, L	4.50
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	4/4/2001	SPRING CR	4.37
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	4/5/2001	SPRING CR	4.46
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	5/2/2001	SPRING CR	4.66
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	5/3/2001	SPRING CR	4.71
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	5/24/2001	KINNEY LK	4.52

tellie Facilities

<u>MORTS</u>	<u>POUNDS STOCKED</u>	<u>NUMBER STOCKED</u>
0	18,177.00	81,797
0	17,955.00	78,824
0	14,012.00	65,716
0	13,665.00	64,498
0	334.00	1,634
0	38,259.00	159,159
0	18,510.00	83,297
0	41,715.00	182,296
0	36,346.00	162,103
0	22,669.00	105,637
0	21,546.00	101,483
0	1,097.00	4,959

Stocking Records from Wallowa Fish Hatchery and Satellite Facilities  
 October 1, 2000 through September 30, 2001

FACILITY	SPECIES	LOT	DATE	WATERBODY	NO/LB	MORTS	POUNDS STOCKED	NUMBER STOCKED
BIG CANYON	SUMMER STEELHEAD	056 00	4/11/2001	DEER CREEK	4.50	0	18,177.00	81,797
BIG CANYON	SUMMER STEELHEAD	056 00	4/12/2001	DEER CREEK	4.39	0	17,955.00	78,824
BIG CANYON	SUMMER STEELHEAD	056 00	5/9/2001	DEER CREEK	4.69	0	14,012.00	65,716
BIG CANYON	SUMMER STEELHEAD	056 00	5/10/2001	DEER CREEK	4.72	0	13,665.00	64,498
BIG CANYON	SUMMER STEELHEAD	056 00	5/24/2001	KINNEY LK	4.89	0	334.00	1,634
LITTLE SHEEP	SUMMER STEELHEAD	029 00	4/11/2001	SHEEP CR, L	4.16	0	38,259.00	159,159
LITTLE SHEEP	SUMMER STEELHEAD	029 00	5/9/2001	SHEEP CR, L	4.50	0	18,510.00	83,297
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	4/4/2001	SPRING CR	4.37	0	41,715.00	182,296
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	4/5/2001	SPRING CR	4.46	0	36,346.00	162,103
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	5/2/2001	SPRING CR	4.66	0	22,669.00	105,637
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	5/3/2001	SPRING CR	4.71	0	21,546.00	101,483
WALLOWA ACC PD	SUMMER STEELHEAD	056 00	5/24/2001	KINNEY LK	4.52	0	1,097.00	4,959

Stocking Records for Lookingglass Fish Hatchery and Satellite Facilities  
 October 1, 2000 through September 30, 2001

FACILITY	SPECIES	LOT	DATE	WATERNAME	NO/LB	MORTS	POUNDS STOCKED	NUMBER STOCKED
IMNAHA PD	SPRING CHINOOK	029 99	4/16/2001	IMNAHA R AT ACC SITE	16.04	0	7,669.20	123,014
UPR GRANDE RONDE ACC PD	SPRING CHINOOK	080F99	3/26/2001	UPPER GRANDE RONDE R AT ACC SITE	13.88	0	184.46	2,560
LOSTINE ACC PD	SPRING CHINOOK	200F99	3/29/2001	LOSTINE R AT ACC SITE	19.6	0	6,830.77	133,883
LOOKINGGLASS HATCHERY	SPRING CHINOOK	201F00	9/24/2001	LOOKINGGLASS CR	24.5	0	2,116.90	51,964
CATHERINE CR ACC PD	SPRING CHINOOK	201F99	4/16/2001	CATHERINE CREEK AT ACC SITE	19.67	0	6,956.43	136,833

Stocking Records from Irrigon Fish Hatchery  
 October 1, 2000 through September 30, 2001

HATCHERY	SPECIES	LOT	DATE	WATERNAME	NO/LB	MORTS	POUNDS STOCKED	NUMBER STOCKED
IRRIGON	SUMMER STEELHEAD	056 00	10/16/2000	PHILLIPS RES	67.8	0	650	44070
IRRIGON	SUMMER STEELHEAD	029 00	4/17/2001	BIG SHEEP CR	5.2	10	3751.08	19506
IRRIGON	SUMMER STEELHEAD	029 00	4/18/2001	BIG SHEEP CR	5.2	0	4050	21060
IRRIGON	SUMMER STEELHEAD	029 00	4/18/2001	BIG SHEEP CR	5.2	0	1200	6240
IRRIGON	SUMMER STEELHEAD	029 00	4/18/2001	BIG SHEEP CR	5.2	10	3798.08	19750
IRRIGON	SUMMER STEELHEAD	029 00	4/19/2001	BIG SHEEP CR	5.2	10	3698.08	19230
IRRIGON	SUMMER STEELHEAD	029 00	4/20/2001	BIG SHEEP CR	5.6	10	898.21	5030
IRRIGON	SUMMER STEELHEAD	029 00	4/20/2001	BIG SHEEP CR	5.2	10	1798.08	9350
IRRIGON	SUMMER STEELHEAD	056 00	5/4/2001	DEER CREEK	4.7	0	177.7	835
IRRIGON	RAINBOW TROUT	072 99	4/16/2001	WINELAND LK	2.94	0	518	1523
IRRIGON	RAINBOW TROUT	072 99	4/16/2001	ANSON WRIGHT PD	2.9	1	344.66	1000
IRRIGON	RAINBOW TROUT	072 99	4/17/2001	SEVENTH STREET POND	2.9	0	345	1001
IRRIGON	RAINBOW TROUT	072 99	4/17/2001	LONG CREEK PD	2.9	2	344.31	999
IRRIGON	RAINBOW TROUT	072 99	4/30/2001	SEARCY PD	2.5	2	824.2	2061
IRRIGON	RAINBOW TROUT	072 99	4/30/2001	CAVENDAR RES	2.5	15	619	1548
IRRIGON	RAINBOW TROUT	156 00	5/4/2001	DEER CREEK	5.8	0	50.9	295
IRRIGON	RAINBOW TROUT	072 99	5/7/2001	MENARY CHANNEL PDS	3.1	2	967.35	2999
IRRIGON	RAINBOW TROUT	072 99	5/7/2001	HAT ROCK PD	3.1	0	259	803
IRRIGON	RAINBOW TROUT	072 99	5/7/2001	WESTON HIGHWAY PD	3.1	0	291	902
IRRIGON	RAINBOW TROUT	072 99	5/8/2001	SEVENTH STREET POND	3.1	0	323	1001
IRRIGON	RAINBOW TROUT	072 99	5/8/2001	LONG CREEK PD	3.1	1	322.68	1000
IRRIGON	RAINBOW TROUT	072 99	5/8/2001	WINELAND LK	3.1	1	645.68	2002
IRRIGON	RAINBOW TROUT	072 99	5/9/2001	PHILLIPS RES	3.5	1	924.71	3237
IRRIGON	RAINBOW TROUT	072 99	5/9/2001	PHILLIPS RES	3.1	0	250	775
IRRIGON	RAINBOW TROUT	072 99	5/14/2001	PENLAND LK	3.1	0	485	1504
IRRIGON	RAINBOW TROUT	072 99	5/14/2001	CUTSFORTH PD	3.1	0	194	601
IRRIGON	RAINBOW TROUT	072 99	5/15/2001	SEARCY PD	3.1	1	645.68	2002
IRRIGON	RAINBOW TROUT	072 99	5/15/2001	WILLOW CR	3.1	1	322.68	1000
IRRIGON	RAINBOW TROUT	072 99	5/16/2001	UMATILLA FOREST PDS	3.1	4	805.71	2498
IRRIGON	RAINBOW TROUT	072 99	5/29/2001	PHILLIPS RES	2.7	15	1476.44	3986
IRRIGON	RAINBOW TROUT	072 99	5/29/2001	POWDER R-2	2.7	15	560.44	1486
IRRIGON	RAINBOW TROUT	072 99	6/6/2001	UMATILLA FOREST PONDS	2.7	5	739.15	1996
IRRIGON	RAINBOW TROUT	072 99	6/6/2001	UMATILLA FOREST PDS	2.7	3	739.89	1998
IRRIGON	RAINBOW TROUT	072 99	6/6/2001	HAT ROCK PD	2.7	1	370.63	1001
IRRIGON	RAINBOW TROUT	072 99	6/7/2001	TROUT FARM POND	2.7	0	371	1002
IRRIGON	RAINBOW TROUT	072 99	6/7/2001	SEVENTH STREET POND	2.7	0	741	2001

IRRIGON	RAINBOW TROUT	072 99	6/7/2001	ANSON WRIGHT PD	2.7	1	370.63	1001
IRRIGON	RAINBOW TROUT	072 99	6/7/2001	HIGHWAY 203 PD	2.7	6	738.78	1995
IRRIGON	RAINBOW TROUT	072 99	6/7/2001	BURNT R, S FK	2.7	92	336.93	910
IRRIGON	RAINBOW TROUT	072 99	6/7/2001	HARDY MURRAY RES	2.7	10	737.3	1991
IRRIGON	RAINBOW TROUT	072 99	6/7/2001	POWDER R-2	2.7	6	368.78	996
IRRIGON	RAINBOW TROUT	072 99	6/8/2001	WESTON HIGHWAY PD	2.7	0	334	902
IRRIGON	RAINBOW TROUT	072 99	6/8/2001	MCNARY CHANNEL PDS	2.7	5	798.15	2155
IRRIGON	RAINBOW TROUT	072 99	6/12/2001	JUBILEE LK	2.7	2	1074.26	2901
IRRIGON	RAINBOW TROUT	072 99	6/12/2001	KIWANIS PD	2.7	0	38	103
IRRIGON	RAINBOW TROUT	072 99	6/13/2001	PINE CR, N FK	2.7	0	186	502
IRRIGON	RAINBOW TROUT	072 99	6/13/2001	PINE CR	2.7	2	555.26	1499
IRRIGON	RAINBOW TROUT	072 99	6/19/2001	LOST LK	2.5	12	395.2	988
IRRIGON	RAINBOW TROUT	072 99	6/20/2001	MCNARY CHANNEL PDS	2.5	2	799.2	1998
IRRIGON	RAINBOW TROUT	072 99	6/26/2001	ANTHONY LK	2.85	2	703.3	2004
IRRIGON	RAINBOW TROUT	072 99	6/26/2001	GRANDE RONDE LK	2.85	1	527.65	1504
IRRIGON	RAINBOW TROUT	072 99	6/27/2001	EAGLE CR, W FK	3	1	83.67	251
IRRIGON	RAINBOW TROUT	072 99	6/27/2001	EAGLE CR	3	0	500	1500
IRRIGON	RAINBOW TROUT	072 99	6/28/2001	PINE CR	3	0	334	1002
IRRIGON	RAINBOW TROUT	072 99	6/28/2001	POWDER R-2	3	2	333.33	1000
IRRIGON	RAINBOW TROUT	072 99	6/28/2001	PHILLIPS RES	3	3	1166	3498
IRRIGON	RAINBOW TROUT	072 99	6/29/2001	PINE CR, N FK	3	0	167	501
IRRIGON	RAINBOW TROUT	072 99	7/10/2001	ANTHONY LK	3	2	666.33	1999
IRRIGON	RAINBOW TROUT	072 99	7/10/2001	ANTHONY LK	3	2	499.33	1498
IRRIGON	RAINBOW TROUT	072 99	7/11/2001	PHILLIPS RES	3	1	1166.67	3500
IRRIGON	RAINBOW TROUT	072 99	7/11/2001	POWDER R-2	3	0	334	1002
IRRIGON	RAINBOW TROUT	072 99	7/12/2001	PINE CR	3	4	498.67	1496
IRRIGON	RAINBOW TROUT	072 99	7/13/2001	EAGLE CR	3	0	500	1500
IRRIGON	RAINBOW TROUT	072 99	7/13/2001	EAGLE CR, W FK	3	1	83.67	251
IRRIGON	RAINBOW TROUT	072 99	7/16/2001	WALLOWA LK	2.8	10	1782.43	4991
IRRIGON	RAINBOW TROUT	072 99	7/17/2001	JUBILEE LK	2.8	3	1070.93	2999
IRRIGON	RAINBOW TROUT	072 99	7/18/2001	MCNARY PD	2.8	0	700	1960