

WALLOWA FISH HATCHERY

INTRODUCTION

Location

Wallowa Fish Hatchery is located in Wallowa County, Oregon, approximately 324 miles upstream from the mouth of the Columbia River. The hatchery is located at river mile 1.0 on Spring Creek, 81 miles upstream from the mouth of the Grande Ronde River and 39 miles upstream from the mouth of the Wallowa River. Wallowa Acclimation Pond is also located at the hatchery site. Two satellite stations, Big Canyon (Wallowa system) and Little Sheep Creek (Imnaha system), are used for adult trapping, spawning and smolt acclimation.

OBJECTIVES

Mitigation Goals

Wallowa Fish Hatchery is operated as part of the Lower Snake River Compensation Program. Mitigation goals include collection and incubation of 2,153,000 eyed summer steelhead eggs for transfer to Irrigon Fish Hatchery. Of the total production 1,765,000 eggs are Wallowa stock (5698) and 388,000 eggs are Imnaha stock (2998). Our acclimation goals are 1,087,000 smolts of Wallowa stock and 330,000 smolts for the Imnaha stock.

Non-LSRCP fish reared for release in fiscal year 1998 include both legal and fingerling Cape Cod stock rainbow trout.

STEELHEAD

Adult Returns:

Adult (5698) steelhead returning to Wallowa Fish Hatchery numbered 768 males and 606 females for a total of 1,374, compared to a total of 1,473 in 1997. Adult (5698) hatchery steelhead returns to Big Canyon facility were 467 males and 723 females, totaling 1,190 steelhead, down slightly from 1,233 in 1997. Adult wild fish returning to Big Canyon were as follows: 25 males and 21 females, for a total of 46 wild fish as compared to 44 in 1997. Imnaha stock (2998) hatchery adults returning to Little Sheep Creek Facility numbered 261 males and 425 females, for a total of 686, a decrease from the total return of 937 in 1997. Adult wild fish returning to Little Sheep Creek Facility were as follows: 9 males and 24 females for a total of 33 wild fish as compared to 29 in 1997.

Eyed Egg Production:

Due to a court ruling, the Oregon Fish and Wildlife (ODFW) was obligated to turn over all eggs not utilized by the ODFW for mitigation goals to the Nez Perce Tribe (NPT). We collected 1,598,340 Imnaha (2998) steelhead eggs this past season. The Nez Perce Tribe received 1,030,090 green and eyed eggs and Irrigon Hatchery received 392,150 eyed eggs. Our green egg loss for this stock was 17%, up 5.7% from 1997. We transferred 1,888,000 Wallowa (5698) steelhead eggs to Irrigon Hatchery for rearing this year.

The green egg loss for the Wallowa stock was 9.9%, up 1.5 % from 1997. Egg production goals for both stocks were met this past season.

Acclimations:

A total of 117,096 (2997) steelhead smolts were acclimated and released from Little Sheep Creek Creek Facility. Wallowa stock (5697) steelhead smolts acclimated and released from Big Canyon Facility numbered 364,329. In addition, 761,642 Wallowa stock (5697) steelhead smolts were acclimated and released from Wallowa acclimation facility during the report period. The remaining 2,250 potential residual steelhead smolts from Wallowa Fish Hatchery and 2188 from Big Canyon Facility were released into two closed water bodies. The steelhead acclimated and released from the above facilities were reared at Irrigon Fish Hatchery.

CHINOOK

No chinook were transferred this year from Lookingglass Fish Hatchery or Lower Granite Dam for holding at Wallowa Fish Hatchery.

RAINBOW

The 1998 rainbow program consisted of 123,320 Cape Cod (7296) rainbow trout received from Klamath Hatchery in September 1997. Of the (7296) rainbow, 21,910 grade-outs were released into Kinney Lake after grading. Of the remaining (7296) rainbow, 95,049 were released March-September 1998 at legal size, and 6,361 were kept on station to be reared for trophy trout production. At the end of the reporting period Wallowa Fish Hatchery received 89,174 Cape Cod (7297) rainbow trout from Klamath Hatchery, weighing a total of 6,128 pounds.

KELT PROJECT

The staff at Wallowa have been involved in a project to recondition summer steelhead kelts beginning in April 1998. The kelt reconditioning project was initiated by the ODFW Northeast Region Research staff. The project's short term goal is to discover if wild steelhead can be kept alive and conditioned to eat a special production salmon diet. The long term goal would be to incorporate the gametes of wild steelhead back into future brood years. The project has been somewhat successful and we have learned a great deal in the last six months. We have been successful in partially reconditioning two male hatchery steelhead. We are defining success as the transition from not feeding to regular consumption of the special production diet with a minimum of effort.

CONSTRUCTION AND MAINTENANCE

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

Maintenance projects accomplished by the hatchery crew

Wallowa Fish Hatchery Complex

- Rebuilt a used fish feed conveyor (LSRCP surplus) obtained from Idaho Fish and Game. The conveyor has facilitated faster, easier and safer loading of the fish feeder.
- Repaired broken auxiliary water line adjacent to the acclimation ponds.
- Constructed metal flush gates for the acclimation pond.
- Installed a new low water alarm in the adult steelhead holding pond.
- Modified the steelhead channel ladder.
- Repaired the grip-struts around trout ponds 6, 7 and 8. The repairs address a long-standing safety issue and the area will now function more efficiently and safely.
- Repaired several sections of crumbling walkways between ponds 6, 7, & 8. Many sections crumbled down to the rebar supports in order to reach stable concrete for the repair. (Trout Ponds)
- Constructed a debris removal system for the lower Spring Creek intake screen. The new system significantly decreases the amount of debris passed over the screen.
- Excavated several problem areas at the east end of ponds 1 through 5. The main hatchery pipeline exiting from the distribution vault has been leaking - a crack is suspected. In addition there were two smaller distribution pipes needing repair. The smaller distribution pipes were repaired, but the vault repairs were only partially successful. The vault leak will need to be addressed next year when the main pipeline is not in use.
- Poured a cement slab at the hatchery host site to improve RV parking and minimize mud in the parking area during wet weather.
- Removed the old radial arm saw and installed a new, 15 inch, power miter box (for safety reasons) in the shop.
- Constructed a new plywood and lumber rack in the shop.
- Replaced one-half of the boards on the back hoe trailer. The old boards presented a safety hazard.

Big Canyon Facility

- We attempted to replace the sewage lift station pump at the facility, removing 5,000 gallons of “liquid” in the process. Another 2,500 gallons will need to be removed before we can access the lift station pump for replacement.
- Installed a replacement 3' x 5' wooden main facility sign. The sign was attached to a new metal frame we fabricated and embedded in concrete.

Little Sheep Creek Facility

- Constructed a new holding pen for adult wild fish returning to the facility. This pen will ensure that these fish will not escape or be mixed up with hatchery stocks.
- Built and installed 3 metal ladders for the adult holding ponds and trap, for safety reasons.
- Modified handrail around adult trap to provide safe access to trap ladder.
- Fixed the adult holding pen gates so they open correctly.
- Installed flush gates in the main fish ladder to facilitate silt deposit removal in the adult holding pond during trapping season.
- Repaired the hoist trolley at the intake.

Maintenance projects accomplished by contractors

Wallowa Fish Hatchery Complex

- We hired a contractor to seal approximately 2200 linear feet of cracks in the asphalt around the hatchery and acclimation ponds. This amount constitutes about 1/3 of what still needs to be sealed at Wallowa and Big Canyon.
- Contracted to have the noxious weeds sprayed at Wallowa, Big Canyon and Little Sheep Creek Creek facilities.
- All vehicles were taken in for tune-ups and service and in some cases major service.

Big Canyon Facility

- Pumped 5,000 gallons of liquid from the sewage lift station. We need to pump an additional 2,500 gallons before we can access the lift station pump and replace it.
- Had a welding company straighten and weld supports on the Deer Creek adult barrier rack.

Little Sheep Creek Facility

- Contracted with an excavation company to remove approximately 1200 cubic yards of gravel from the area in front of the intake.
- Hired a welding company to modify the Z- Pile barrier at the intake. A four foot dam board slot was placed in the Z-Pile to facilitate gravel movement away from the intake in future high water events.
- Hired a control system company from Spokane to repair the alarm system and convert it to a more reliable 110 volt system. The conversion was made and most of the repairs were accomplished. The audible enunciation of the alarm system is partially dysfunctional and still needs work. Maintenance on all the facility's alarm systems is an expensive proposition as the nearest qualified service people are 300 miles away.

MAJOR PURCHASES

| | |
|--|------------------|
| Water Jet Floor Pressure Washer (for acclimation ponds) | \$1586.00 |
| Hitachi 15" Miter Box (safety reasons) | \$ 836.00 |
| <u>Frigidaire Chest Freezer (the old one leaked Freon)</u> | <u>\$ 485.00</u> |
| Total | \$2,907.00 |

Adult Returns to Hatchery

Steelhead Wallowa Stock

| | |
|--|-------------------|
| Big Canyon Facility | |
| Date of first return: | February 23, 1998 |
| Date of last return: | June 9, 1998 |
| Number of females returning: | 744 |
| Number of males returning: | 492 |
| Date of peak returns: | April 27, 1998 |
| Number of females released to spawn naturally: | 27 |
| Number of males released to spawn naturally: | 28 |
| Mortality of all adult returns: | 0 females; 1 male |

| | |
|--|---------------------|
| Wallowa Fish Hatchery | |
| Date of first return: | February 24, 1998 |
| Date of last return: | May 12, 1998 |
| Number of females returning: | 606 |
| Number of males returning: | 768 |
| Date of peak returns: | April 7, 1998 |
| Number of females released to spawn naturally: | 0 |
| Number of males released to spawn naturally: | 0 |
| Mortality of all adult returns: | 4 females; 43 males |

Steelhead Imnaha Stock

| | |
|--|---------------------|
| Little Sheep Creek Facility | |
| Date of first return: | March 16, 1998 |
| Date of last return: | May 18, 1998 |
| Number of females returning: | 449 |
| Number of males returning: | 270 |
| Date of peak returns: | April 23, 1998 |
| Number of females released to spawn naturally: | 90 |
| Number of males released to spawn naturally: | 51 |
| Mortality of all adult returns: | 4 females; 12 males |

Spawning Record

**Steelhead
Wallowa Stock**

Wallowa Fish Hatchery

| Date Spawned | Number of Eggs Taken | Females Spawned | Males Spawned |
|--------------|----------------------|-----------------|---------------|
| 3/24/98 | 458,300 | 93 | 93 |
| 3/31/98 | 474,900 | 96 | 96 |
| 4/07/98 | 475,000 | 96 | 96 |
| 4/14/98 | 541,100 | 108 | 108 |
| 4/21/98 | 410,400 | 80 | 82 |
| 4/28/98 | 330,000 | 66 | 66 |
| 5/05/98 | 169,200 | 36 | 36 |
| 5/12/98 | 24,400 | 7 | 8 |

| | | |
|--------------------------------------|-----------|---|
| Total number of females spawned: | 582 | |
| Total number of males spawned: | 585 | |
| Total number of green eggs: | 2,883,300 | |
| Total number of eyed eggs: | 2,598,100 | |
| Number of eggs retained for rearing: | 1,896,862 | |
| Number of eggs shipped: | | 0 |
| Date of last spawning: | 5/12/98 | |

Eyed eggs are retained at Irrigon Fish Hatchery for rearing.

Spawning Record

Steelhead Imnaha Stock

Little Sheep Creek Facility

| Date Spawned | Number of Eggs Taken | Females Spawned | Males Spawned |
|--------------|----------------------|-----------------|---------------|
| 3/30/98 | 84,060 | 17 | 17 |
| 4/06/98 | 199,100 | 37 | 34 |
| 4/13/98 | 167,800 | 37 | 37 |
| 4/20/98 | 189,400 | 44 | 44 |
| 4/27/98 | 317,500 | 69 | 69 |
| 5/04/98 | 572,800 | 131 | 64 |
| 5/11/98 | 52,040 | 12 | 6 |
| 5/18/98 | 12,330 | 2 | 3 |
| 5/26/98 | 3,310 | 1 | 1 |

| | | |
|--------------------------------------|---------------|---------------------------|
| Total number of females spawned: | 350 | |
| Total number of males spawned: | 207 | <i>(some were reused)</i> |
| Total number of green eggs: | 1,598,340 | |
| Total number of eyed eggs: | 860,240** | |
| Number of eggs retained for rearing: | 392,150 | |
| Number of eggs shipped: | 562,000 green | <i>To Nez Perce Tribe</i> |
| | 468,090 eyed | <i>To Nez Perce Tribe</i> |
| Date of last spawning: | 5/26/98 | |

***562,000 green eggs were taken by the Nez Perce Tribe from 4/13/98 -5/11/98 matings. The number of these eggs which eyed up is unknown.*

Eyed eggs are retained at Irrigon Fish Hatchery for rearing.

Rearing to Fingerling Stage Only**Rainbow Trout
Cape Cod Stock BY96**

| | | |
|---|--------|--------|
| Number of fingerlings produced: | 21,888 | |
| Weight of fingerlings produced (lbs.): | | 699.30 |
| Percent mortality to stocking: | 0.1% | |
| Average number/pound of fingerlings produced: | 31.30 | |
| Conversion rate: | * | |

**Fish transferred into hatchery same month as liberation*

Smolts Reared

Steelhead

Wallowa Stock BY97

| | |
|--|------------|
| Number of smolts produced: | 1,388,436 |
| Weight of smolts produced (lbs.): | 290,554.92 |
| Percent mortality to stocking: | 5.1% |
| Average number/pound of smolts produced: | 4.78 |
| Conversion rate: | 1.09 |

Steelhead

Imnaha Stock BY97

| | |
|--|-----------|
| Number smolts produced: | 117,096 |
| Weight of smolts produced (lbs.): | 24,264.00 |
| Percent mortality to stocking: | 0.1% |
| Average number/pound of smolts produced: | 4.83 |
| Conversion rate: | 3.40 |

Legals Reared (Rainbow Trout)

Rainbow Trout

Cape Cod Stock BY96

| | |
|--|-----------|
| Number legals produced: | 157,168 |
| Weight of legals produced (lbs.): | 57,384.27 |
| Percent mortality to stocking: | 1.9% |
| Average number/pound of legals produced: | 2.74 |
| Conversion rate: | 1.31 |

Food Fed and Weight Gain

Steelhead
Wallowa Stock BY96

| | |
|--|---------|
| Total pounds of food fed | 316,967 |
| Conversion rate - total for all stages | 1.09 |
| Total weight gain (lbs) - all sizes produced | 289,906 |

Steelhead
Wallowa Stock BY97

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|--|--------|
| Total pounds of food fed | 29,279 |
| Conversion rate - total for all stages | 0.96 |
| Total weight gain (lbs) - all sizes produced | 30,375 |

Steelhead
Imnaha Stock BY97

| | |
|--|--------|
| Total pounds of food fed | 32,270 |
| Conversion rate - total for all stages | 1.33 |
| Total weight gain (lbs) - all sizes produced | 24,223 |

Rainbow Trout
Cape Cod Stock BY96

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|--|--------|
| Total pounds of food fed | 48,240 |
| Conversion rate - total for all stages | 1.31 |
| Total weight gain (lbs) - all sizes produced | 36,846 |

FY 1998 Stocking

| | | |
|---|--------------|----------------|
| Total number of distribution trips: | 174 | |
| Number and weight of fry stocked: | 0 | 0.00 lbs |
| Number and weight of fingerlings stocked: | 410,550; | 17,409.74 lbs |
| Number and weight of smolts stocked: | 1,565,532; | 314,818.92 lbs |
| Number and weight of legal trout stocked: | 157,168; | 57,384.27 lbs |
| Date, location, number and weight at each stocking: | See Attached | |

FY98 WALLOWA FISH HATCHERY LIBERATION RECORD
INCLUDES BIG CANYON AND LITTLE SHEEP CREEK SATELLITE FACILITIES

| SPECIES | STOCK NAME | BROOD | | FROM/TO | NUMBER STOCKED | POUNDS STOCKED |
|---------------|------------------------|-------|------------|------------------------|----------------|----------------|
| | | YEAR | DATE | | | |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 10/15/1997 | KINNEY LK | 15,895 | 507.84 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 10/15/1997 | MARR PD | 2,998 | 95.78 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 10/15/1997 | WALLOWA WILDLIFE PD | 2,995 | 95.68 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/6/1998 | MAC PD | 501 | 208.58 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/6/1998 | MARR PD | 501 | 208.58 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/6/1998 | ROULET PD | 502 | 209 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/6/1998 | WALLOWA WILDLIFE PD | 500 | 208.17 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/23/1998 | WALLOWA LK | 4,020 | 1747.83 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/24/1998 | MAC PD | 751 | 326.57 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/24/1998 | MARR PD | 750 | 326.13 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/24/1998 | ROULET PD | 523 | 227.57 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 4/24/1998 | WALLOWA WILDLIFE PD | 752 | 327 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/8/1998 | MAC PD | 751 | 259 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/8/1998 | MARR PD | 500 | 172.31 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/8/1998 | ROULET PD | 501 | 172.66 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/8/1998 | VICTOR PD | 749 | 258.31 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/8/1998 | WALLOWA WILDLIFE PD | 750 | 258.66 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/15/1998 | WALLOWA LK | 2,306 | 1213.89 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/15/1998 | WALLOWA LK | 2,755 | 983.93 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/18/1998 | MAC PD | 764 | 273 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/18/1998 | MARR PD | 514 | 183.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/18/1998 | ROULET PD | 514 | 183.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/18/1998 | VICTOR PD | 763 | 272.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/18/1998 | WALLOWA WILDLIFE PD | 762 | 272.29 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/21/1998 | KINNEY LK | 4,445 | 1646.3 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/21/1998 | MORGAN LK | 1,152 | 349.09 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 5/27/1998 | WALLOWA LK | 4,996 | 1722.62 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/4/1998 | HONEYMOON POND | 502 | 179.29 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/4/1998 | SALT CREEK SUMMIT POND | 502 | 179.29 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/4/1998 | TEEPEE PD | 503 | 179.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/5/1998 | MAC PD | 747 | 266.93 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/5/1998 | MARR PD | 502 | 179.29 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/5/1998 | VICTOR PD | 503 | 179.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/5/1998 | WALLOWA WILDLIFE PD | 501 | 178.93 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/10/1998 | WALLOWA LK | 3,125 | 1250 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/10/1998 | WALLOWA LK | 943 | 325 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/17/1998 | TWIN LKS | 3,097 | 999.03 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/18/1998 | HONEYMOON POND | 517 | 166.68 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/18/1998 | SALT CREEK SUMMIT POND | 515 | 166.03 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/18/1998 | TEEPEE PD | 517 | 166.68 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/25/1998 | KINNEY LK | 5,039 | 1799.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/29/1998 | MORGAN LK | 1,014 | 362.29 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/29/1998 | WALLOWA LK | 1,259 | 449.64 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 6/29/1998 | WALLOWA LK | 3,834 | 1369.29 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/7/1998 | HONEYMOON POND | 537 | 198.89 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/7/1998 | MAC PD | 511 | 189.26 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/7/1998 | MORGAN LK | 1,577 | 583.89 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/7/1998 | SALT CREEK SUMMIT POND | 567 | 210 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/7/1998 | TEEPEE PD | 539 | 199.63 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/14/1998 | TWIN LKS | 3,030 | 1010 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/15/1998 | WALLOWA LK | 6,030 | 2010 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/21/1998 | HONEYMOON POND | 600 | 240 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/21/1998 | TEEPEE PD | 600 | 240 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/22/1998 | MCGRW CR | 1,018 | 407 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/22/1998 | SALT CREEK SUMMIT POND | 519 | 207.6 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 7/30/1998 | WALLOWA LK | 5,117 | 1764.31 |

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|------------------|------------------------|----|-----------|------------------------|---------|---------|
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/5/1998 | HONEYMOON POND | 550 | 229.17 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/6/1998 | WALLOWA LK | 5,022 | 2092.5 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/7/1998 | SALT CREEK SUMMIT POND | 528 | 220 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/27/1998 | MCGRAW CR | 577 | 274.52 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/27/1998 | SALT CREEK SUMMIT POND | 578 | 275 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/28/1998 | HONEYMOON POND | 503 | 239.52 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 8/28/1998 | TEEPEE PD | 504 | 240 |
| RAINBOW TROUT | CAPE COD RAINBOW TROUT | 96 | 9/4/1998 | WALLOWA LK | 3,924 | 1868.57 |
| SUMMER STEELHEAD | IMNAHA R AND TRIBS. | 97 | 4/26/1998 | SHEEP CR, L | 86,422 | 18004 |
| SUMMER STEELHEAD | IMNAHA R AND TRIBS. | 97 | 5/19/1998 | SHEEP CR, L | 30,674 | 6260 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 3/24/1998 | SPRING CR | 178,500 | 35000 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 3/25/1998 | SPRING CR | 184,456 | 38429 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 3/31/1998 | DEER CREEK | 95,873 | 18799 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 4/1/1998 | DEER CREEK | 97,079 | 18669 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 5/1/1998 | SPRING CR | 199,238 | 43313 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 5/2/1998 | SPRING CR | 197,208 | 42810 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 5/12/1998 | DEER CREEK | 87,453 | 19012 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 5/13/1998 | DEER CREEK | 81,736 | 18164 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 5/21/1998 | KINNEY LK | 2,240 | 547.56 |
| SUMMER STEELHEAD | WALLOWA RIVER | 97 | 5/28/1998 | ROULET PD | 2,188 | 500 |