

**WASHINGTON DEPARTMENT OF FISH & WILDLIFE
LYONS FERRY COMPLEX**

**2014-2015 Annual Performance
Report
to
Lower Snake River Fish and
Wildlife Compensation Plan**

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BACKGROUND

The Lower Snake River Fish and Wildlife Compensation Plan (LSRCP), was approved by the Water Resources Development Act of 1976, PL 94-587, Section 102. The LSRCP was prepared and submitted in compliance with the Fish and Wildlife Coordination Act of 1958, PL 85-624, to mitigate for the losses of fish and wildlife caused by construction and operation of the four dams and locks on the lower Snake River.

The Secretary of the Army, acting through the Chief of Engineers, was authorized to implement the LSRCP and to construct Lyons Ferry and Tucannon Fish Hatcheries, Dayton Pond, Curl Lake and Cottonwood Satellite Facilities. Upon completion the Secretary of the Army was authorized to turn ownership of these hatcheries and satellite facilities over to the U.S. Fish and Wildlife Service.

This Cooperative Agreement is established to facilitate the cooperation of the U.S. Fish and Wildlife Service and Washington Department of Fish and Wildlife in accomplishing the purposes and objectives of the LSRCP, primarily within the state of Washington. It provides for specified interchange of services, personnel, equipment, facilities and funds in order to accomplish LSRCP objectives through operation and maintenance of the hatcheries and satellite facilities.

WDFW will operate and maintain the aforementioned fish facilities with the goal of rearing sufficient numbers of fish to return 18,300 fall Chinook, 1,152 spring Chinook and 4,656 steelhead adults back to the Snake River basin and rear 86,000/lbs. of catchable trout to compensate for lost angler opportunities in the lower Snake River project.

PROJECTS

This report summary includes four (4) projects that were funded under the agreement by LSRCP and WDFW for the period October 1, 2014 to September 30, 2015. For the purpose of reviewing overall fish production goals and achievements, this report includes the Lyons Ferry and Tucannon Hatchery projects as one deliverable. Interaction between WDFW, LSRCP and the co-managers in the Snake River Basin provided the policy and guidelines for production and operations. Individual budgeted projects were as follows:

Lyons Ferry Complex Administration

Lyons Ferry Fish Health

Lyons Ferry Fish Hatchery

Tucannon Fish Hatchery

I. Lyons Ferry Complex Administration

Objective 1: Supervise, manage policy and administratively oversee operations, while cultivating a safe and productive work environment at the Lyons Ferry Hatchery, the Tucannon Hatchery, the Cottonwood Satellite Facility, the Dayton Pond Satellite Facility and the Curl Lake Satellite Facility.

Deliverable: *Safety compliance and work productivity emphasized. Oversight on USFWS Safety and Environmental Audits during FFY-15. Operational issues were addressed relative to multiple electrical failures and subsequent repairs. Subsequent corrections were started in FFY-13 and almost finished in FFY-15. Project is anticipated to be finished by the end of FFY-16.*

Objective 2: Oversee facility operations with the goal of rearing sufficient numbers of fish to return 18,300 fall Chinook, 1,152 spring Chinook and 4,656 steelhead adults back to the Snake River basin and rear 86,000/lbs. of catchable trout to compensate for lost angler opportunities in the lower Snake River project.

Deliverable: *Adult collection goals were achieved to meet the production objectives of all stocks and species. See the 2014-15 Lyons Ferry Complex Production Summary in Section V.*

Objective 3: Recruit, hire, develop and retain a diverse, effectively deployed and well trained staff.

Deliverable: *Due to employees moving on to other WDFW facilities for promotions and more experience, management hired two new FHS-1's to fill the vacated positions at LFH and TFH.*

Objective 4: Maintain all appropriate permits necessary for operations, including any and all ESA related items.

Deliverable: *All appropriate permits were renewed for operational compliance, including: Public Water Source through Dept. of Health; NPDES for Cottonwood AF, Curl Lake AF, Lyons Ferry and Tucannon Hatcheries; U.S. Army Corps access approval for adult collection at Lower Granite Dam; NOAA extension on Section 10 permit #1530 for collection of hatchery broodstock at LGR.*

Objective 5: Ensure and oversee appropriate maintenance of all facilities and equipment.

Deliverable: *Maintenance of all facilities and equipment performed per the objective. See Section IV, 2014-2015 PERSONNEL/PURCHASES/MAINTENANCE, for a review of all activities.*

Objective 6: Manage policy and procedures to meet annual adult fish escapement and juvenile fish rearing goals, as described in a NOAA Fisheries approved HGMP.

Deliverable: *All policy and procedures implemented in meeting adult fish escapement and juvenile fish rearing goals, including: third year discontinuation of aquamycin treatment on yearling fall Chinook released on-station at LFH; Implementation of adult trapping protocols, as provided by Fish Management and RM&E relative to origins and run timing.*

Objective 7: Oversee and ensure the development of an Annual Operations Plan for LSRCP facilities and production in Washington.

Deliverable: *The 2015-16 AOP was developed. Assistance provided by all of the co-managers during the AOP meeting which occurred on September 30 and October 1 in Dayton, WA.*

Objective 8: Oversee the fish marking program at all LSRCP facilities in Washington.

Deliverable: *All marking and tagging events were coordinated by hatchery staff leads (HS-3's), with guidance from the HS-4's and complex manager. The spring and summer tag orders were submitted by complex manager and RM&E staff to the LSRCP for purchase discount and timely delivery. Marking and tagging was performed by WDFW M&T Unit, utilizing the automated trailer for the majority of the marking and tagging events.*

Objective 9: Schedule all fish transportation associated with the LSRCP program in Washington.

Deliverable: *All transportation events were coordinated by hatchery staff leads (HS-3's), with guidance from the HS-4's and complex manager. WDFW Construction and Maintenance assisted in fish hauls to Captain John Rapids (fall Chinook yearlings), Cottonwood AF (Wallowa steelhead), Pittsburgh Landing (fall Chinook yearlings), Walla Walla River (Wallowa steelhead direct release) and to the ODFW Wallowa Hatchery (Wallowa steelhead). The haul to Wallowa hatchery is part of a survival study. All other fish hauls performed by LFH and TFH staff, including adult hauls (w/exception of Touchet steelhead adults, as hauled by RM&E staff).*

Objective 10: Maintain real property and personal property inventories for all facilities and equipment.

Deliverable: *Successfully completed. All items were accounted for.*

II. Lyons Ferry Fish Health

WDFW's Lyons Ferry complex fish health mission is to ensure and protect the health and productivity of fish cultured at Lyons Ferry (LF) complex facilities. All fish production at LF complex is conducted according to the Washington Co-managers Salmonid Disease Control Policy. The Lyons Ferry complex fish health program is staffed locally with a Fish Health Specialist. The WDFW Olympia fish health lab performs virology, bacteriology and parasitology testing on samples submitted.

Objective 1: The Fish Health Specialist will visit the Lyons Ferry Hatchery and the Tucannon Hatchery once a month to monitor fish health. During each visit, fish will be inspected and production and mortality records will be reviewed.

Deliverable: The fish health specialist visited Lyons Ferry and Tucannon at least monthly during the past year. During the visit, fish were inspected and mortality records were reviewed.

Objective 2: Respond to all fish disease outbreaks at all Lyons Ferry Complex facilities to diagnose problem and recommend treatment as needed. The Fish Health Specialist will direct the use of drugs and chemicals in a safe, effective and legal manner. The Fish Health Specialist will also monitor the use of any new drug treatments at Lyons Ferry Complex facilities under the USFWS – Aquatic Animal Drug Approval Partnership.

Deliverable: In some cases, fish disease problems required treatment. The fish health specialist diagnosed the problem and recommended treatments at that time. Erythromycin medicated feed was administered under Investigational New Animal Drug (INAD) permit.

Objective 3: All Chinook and steelhead broodstocks will be tested for viral pathogens. Ovarian fluid and kidney/spleen samples from each stock will be tested for the viral pathogens at a minimum of the 5% assumed pathogen prevalence level.

Deliverable: All broodstocks were sampled for viral pathogens as shown in Table 1. Infectious hematopoietic necrosis virus was detected in the Wallowa and Tucannon stock summer steelhead. Eggs from IHN virus positive Wallowa females were destroyed. Eggs from high titer IHN virus positive Tucannon females were also destroyed and eggs from low titer IHN virus positive Tucannon females were reared separately without any IHN outbreaks.

Table 1. Broodstock viral testing in 2014 – 2015.

| Location | Date | Species-Stock | No. OF | No. KS | Results | % Positive |
|-----------------|-------------------|--------------------|--------|--------|----------|------------|
| Lyons Ferry | 09-2 to 09-16-14 | CHS-Tucannon River | 60 | 60 | Negative | 0 |
| Lyons Ferry | 11-12-14 | CHF-Snake River | 60 | 60 | Negative | 0 |
| Cottonwood Pond | 04-6 to 05-04-15 | SS-Wallowa | 157 | 60 | IHNv | 32.0 |
| Lyons Ferry | 03-24 to 04-6-15 | SS-Touchet River | 15 | 15 | Negative | 0 |
| Lyons Ferry | 03-24 to 04-13-15 | SS-Tucannon River | 25 | 25 | IHNv | 8.5 |

OF = ovarian fluid, KS = kidney/spleen

Objective 4: All Chinook stocks will be tested for bacterial kidney disease with ELISA assay.

Deliverable:

For the Tucannon spring Chinook, BKD prevalence was low with 100% Below-Low (see table 2). No segregation or destruction efforts were employed with the Tucannon spring Chinook.

For the Snake River fall Chinook, BKD prevalence was low with 89.5% Below-Low females (see following table). Progeny of Below-Low BKD females were selected for the yearling programs. Progeny of Below-Low and Low BKD females were selected for shipment to Oregon Department of Fish and Wildlife (ODFW). Progeny of all other females were utilized in the sub-yearling programs.

Table 2. BKD-ELISA testing of female chinook broodstock at Lyons Ferry Hatchery in 2014.

| Species-Stock | No. Tested | Below Low | | Low | | Mod | | High | |
|-------------------|------------|-----------|--------|-----|------|-----|------|------|------|
| | | No | % | No | % | No | % | No | % |
| CHF - Snake R. | 788* | 705 | 89.5% | 56 | 7.1% | 15 | 1.9% | 12 | 1.5% |
| CHS - Tucannon R. | 66 | 66 | 100.0% | 0 | 0% | 0 | 0% | 0 | 0% |

Below-Low = < 0.10, Low = 0.11 - 0.199, Mod = 0.2 - 0.45, High= > 0.45

*125 fish tested by ODFW

Objective 5: The Fish Health Specialist will recommend specific health management tools and strategies for all spawning and production at Lyons Ferry Complex facilities.

Deliverable: *Specific fish health management strategies were employed with bacterial gill disease (BGD), bacterial kidney disease (BKD) and infectious hematopoietic necrosis (IHN). With BGD in sub-yearling fall chinook, low rearing densities were followed. BKD preventive measures for spring chinook included erythromycin injection of female broodfish and low rearing densities. BKD preventive measures for fall chinook included screening and segregation of progeny and low rearing densities. With IHN in steelhead, female broodfish were screened and segregation and/or destruction of progeny of IHN positive females were employed.*

Objective 6: The Fish Health Specialist will be consulted during all fish production planning.

Deliverable: *The fish health specialist was involved in fish production planning including annual operating plan development.*

Objective 7: The Fish Health Specialist will communicate and coordinate with co-managers and cooperators concerning issues of fish disease control and prevention at the Lyons Ferry Complex and facilities receiving fish from the Lyons Ferry Complex.

Deliverable: *Any major fish health problems at Lyons Ferry complex are communicated to co-managers and cooperators. One avenue of communication is the semi-annual Pacific Northwest Fish Health Protection Committee meetings.*

Objective 8: The Fish Health Specialist will maintain an appropriate database pertaining to all fish health visits for disease identification and treatment, pre-liberation examinations, and broodstock testing. This data log should be readily available at the Lyons Ferry Complex.

Deliverable: *The fish health specialist maintains databases with fish health inspection, broodstock viral test, Chinook broodstock BKD-ELISA test and Myxobolus cerebralis (whirling disease parasite) tests.*

Objective 9: The Fish Health Specialist will write the fish health section of the Lyons Ferry Complex annual performance report.

Deliverable:

2014-2015 Fish Health Review – Major Fish Health Problems

The fish health problems at Lyons Ferry and Tucannon hatcheries were:

Bacterial Coldwater Disease (BCWD) cause mortality in Touchet stock summer steelhead at Lyons Ferry Hatchery. The fish were successfully treated with Aquaflor (florfenicol) medicated feed.

BCWD also was observed in Spokane stock rainbow at Tucannon Hatchery. The fish were successfully treated with Aquaflor (florfenicol) medicated feed. In the fall, Ichthyophthiriasis produced losses in Spokane stock rainbow trout at Tucannon Hatchery. Fish were successfully treated with formalin.

III. Lyons Ferry and Tucannon Hatcheries

WDFW will operate and maintain the Lyons Ferry and Tucannon Hatcheries and the associated Satellite Facilities as part of the Lower Snake River Compensation Plan.

Objective 1: Proposed spawning, fish marking, and fish production at Lyons Ferry Complex facilities for FY2014-15 is presented in Section V. WDFW staff will operate these facilities to meet the goals listed in the Production Summary Table.

Deliverable: Completed. See the 2014-15 Production Summary table in Section 5 for actual broodstock collection, egg takes, rearing and release numbers.

Objective 2: WDFW staff will maintain all Lyons Ferry Complex facilities and equipment in a safe and operable condition.

Deliverable: Successfully completed.

Objective 3: WDFW staff will directly schedule and oversee all fish marking at Lyons Ferry Complex facilities.

Deliverable: Successfully completed.

Objective 4: WDFW staff will directly schedule and oversee all transportation of fish reared at the Lyons Ferry Complex for liberation or transfer.

Deliverable: Successfully completed.

Objective 5: WDFW staff will participate in the development of an Annual Operations Plan for LSRCP programs at the Lyons Ferry Complex.

Deliverable: Completed and implemented. New procedures were approved by co-manager agreement for this AOP cycle.

Objective 6: WDFW staff will maintain in detail, all data associated with each fish production program at the Lyons Ferry Complex. This data shall be readily accessible at the Lyons Ferry Complex.

Deliverable: Successfully completed. All fish production information was entered into the WDFW database, Fish Books. Production reports were submitted to LSRCP by the monthly deadlines.

IV. 2014-2015 PERSONNEL/PURCHASES/MAINTENANCE

LYONS FERRY HATCHERY

PERSONNEL:

1. James Hodges and Matthew Miller successfully moved from FHS-1's in training to FHS-2's.
2. Eben Nesje has been out the past year with back surgery and his prognosis is not known at this time.
3. Greg, James and Dan attended the NWFCC in Pendleton OR.
4. Greg Robison was released from duty and Jerek Richardson was hired as a permanent FHS-1 in-training.

SIGNIFICANT PURCHASES:

1. 4" Aquascan fish counter.
2. Tables and chairs for south side interview and break room.
3. New office desks for all offices.
4. Asphalt sweeper attachment for tractor.
5. Table saw for wood shop.
6. Cedar for stop logs.
7. Aluminum tubing and perf plate for new screens.
8. New heat pump for res #4.
9. 4 wheeler for weed spraying and snow removal.
10. Two electric pallet jacks for off- loading feed.

PROJECTS:

1. Phase two of the Marmes project is still in the works. The computer integration and update were not completed and are currently being analyzed by Talos Engineering out of Tri-Cities.
2. Had pumps 8 & 9 pulled for maintenance. Motors were completely gone through and all column pipe was pressure washed and painted. Pumps themselves were in great shape and received new bearings.
3. After much discussion the Round Tank project is on hold at this time.
4. The salmon adult pond elevator and crowder upgrades are due to be finished early next year.
5. Built a lean-to structure on river between res#6 & 7 for a meeting/picnic area.
6. Finished release structure project in November 2014.

HOUSING MAINTENANCE:

1. Serviced all heat pumps. Had to purchase a new heat pump for res. #4.

SIGNIFICANT EVENTS:

1. Still working on the Marmes upgrade. Have had many alarm problems with very little computer control over the system. This is currently being looked at by Talos Engineering.
2. No issues from the drought were seen at the facility this past year.

TUCANNON FISH HATCHERY**PERSONNEL:**

1. In November 2014, David Clark (FHS2) moved to the WDFW Nason Creek Facility with in the Eastbank Complex.
2. Larabee Miller attended the 2014 Fish Culture Conference in Pendleton, Oregon.
3. In January 2015, William Spring was hired as a FHS1 in training at the Tucannon Hatchery. He will reside in residence #1 and performing standby duties.

SIGNIFICANT PURCHASES:

1. Kubota 1100 ATV was purchased through WDFW, with contract funds. Once delivery took place, the 2005 Chevrolet Colorado 4x4 flatbed truck was transferred to the Lyons Ferry Hatchery.
2. A Magic Valley Heli-Arc BP-40 four inch gas powered fish pump was purchased by LSRCP. These pumps are an asset to have at the facility and within the Lyons Ferry Hatchery Complex.
3. Additional back-up annunciator alarm cards were purchased to replace any potential future card failures. We are gradually building up our backup alarm card inventory as funds allow.
4. Close to 100 tons of gravel was purchased to be utilized on fire break roadway improvements, base for shop extension floor, spring collection building perimeter maintenance, and roadway access improvements.

PROJECTS:

1. The bottom rubber fish seal was replaced on the Earthen Rearing Pond outlet screen. Hatchery staff pulled the screen and seal was replaced by hatchery and WDFW Yakima Screen shop staff.
2. The dam boards located behind the earthen rearing pond outlet screen were replaced with new cedar boards.

3. Hatchery staff replaced the river intake debris shear log. The new log is a 16 -18 inch Ponderosa Pine nearly 20 feet in length.
4. 800 feet of asphalt cracks around the six concrete circular ponds were filled by Klicker Enterprises.
5. 37,500 square feet of asphalt were seal coated with an emulsified sealer between the hatchery turnoff to the truck fill tower and around the East and West raceways. Access was limited to the facility while the two coats were applied.
6. In October of 2014, 4"x6" timbers were installed on the West side of the river intake sheet pile cap to aid in the attraction of flows to the East. The East side is where the fish way entrance exists for adult passage.
7. Hatchery staff replaced the truck fill pump and motor used when pumping spring / well water.
8. Rented a stump grinder and remove 10 stumps with the hatchery grounds.

HOUSING MAINTENANCE:

1. S&S Construction framed and dry walled residence #2 HVAV ductwork. Hatchery staff painted downstairs following completion.
2. S&S Electric wired in a toggle switch on each of the residence alarm annunciators so staff would have the ability to turn them off when not on standby.
3. Went through residence #1 in its entirety to prepare for new tenant(s). Items include: bi-fold closet upgrade in bedrooms, complete carpet and pad replacement, repair drywall spots and repaint entire interior of residence, fix scratches on window framework, replaced kitchen range, and remove damaged storm doors.

SIGNIFICANT EVENTS:

1. Another major in stream river habitat project took place during this period by WDFW Habitat folks starting at Watson Lake (approximately three miles upstream of the Tucannon Hatchery) down to the hatchery trap / Rainbow Lake diversion. Hopefully this project does not impact the hatchery intake dam with logs during a high water event.
2. Even though many facilities were impacted by "drought" summer conditions, the Tucannon River or Hatchery itself did not encounter any adverse reduction of flows or significant increases of temperatures.

DAYTON ACCLIMATION FACILITY

1. Klicker Enterprises applied over 1,200 feet of crack sealer and two coats of emulsified asphalt sealer within the Dayton Acclimation Facility / Snake River Lab Office area.

COTTONWOOD ACCLIMATION FACILITY

1. A dam board storage rack project was started during this period to improve organization and space utilization. It will be completed by the summer of 2016.
2. Approximately 60 ton of gravel was delivered and spread out throughout the compound by hatchery staff.
3. The man door of the three bay storage building was broken into (kicked in). Minimal items were stolen such as a pressure washer, small air compressor, and a small tool box with some hand tools in it. We will make the necessary adjustments to reduce the opportunity of a break in by improving the door / jam frame of the man door, returning any valuable equipment back to the Tucannon or Lyons Ferry Facilities when the acclimation pond is seasonally completed, and or installing some level of surveillance / camera system within the compound.

CURL ACCLIMATION POND

1. Installation of 1,200 feet of 4 foot cyclone chain link fencing by Paladin Construction. This included a two foot strip of fencing on the fence perimeter hog ringed to the bottom of the fence. After the fencing was installed by the contractor, hatchery staff added gravel to the two foot bottom strip fencing and added an electric fence wire half way up the fence on the outside, to eliminate the otter activity on the Spring Chinook juveniles being reared in Curl Lake.
2. The three foot diameter by six foot long end delivery diversion screen was completely rebuilt by the WDFW Yakima Screen Shop (YSS). Hatchery staff rented the equipment, pulled and delivered the screen to the YSS to help reduce the costs of the re-build.

Lyons Ferry Hatchery 2014-2015 Production Summary

| Stock / Species | Brood Year | Broodstock Collected | Egg Take | Transfer | Release | Size (fpp) at Transfer / Release | Total lbs. at Transfer / Release | Marks/CWT | PIT Tags |
|--------------------------|--------------|----------------------|---|--|---|---|---|--|----------------------------------|
| Tucannon Spring Chinook | Goals | 170 | 260,000 | 230,000 | N/A | 25 | 9,200 | 225,000 CWT | 15,000 |
| | 2013 | 158 | 275,188 | 30,000 ^a 213,650 | N/A | Eyed Eggs 23 | 15 9,289 | 213,813 | 15,000 |
| | 2014 | 126 | 231,025 | N/A 221,500 ^b | N/A | N/A 26.5 | N/A 8,356 | 221,828 | 15,000 |
| Snake River Fall Chinook | Goals | 3000 | 4,555,000 | 1,600,000 ^c 1,554,000 ^d 450,000 ^e | 200,000 N/A 450,000 | 50 to 75 Eyed Eggs 10 to 12 | 36,000 1,036 90,000 | 700,000 AD/CWT, 300,000 CWT 400,000 AD/CWT, 800,000 AD 435,000 AD/CWT, 465,000 CWT | 32,000 6,000 39,000 |
| | 2013 | 2,353 | 4,565,660 | 1,632,283 1,558,800 465,283 | 209,972 N/A 452,372 | 50 to 75 Eyed Eggs 10 to 12 | 25,070 881 82,826 | 711,346 AD/CWT: 304,538 CWT N/A 446,979 AD/CWT: 473,395 CWT | 28,000 6,000 33,000 |
| | 2014 | 2524 | 4,787,615 | 1,705,589 1,615,000 * | 219,358 N/A | 50 to 75 Eyed Eggs 10 to 12 | 25,793 919 | 722,516 AD/CWT: 303,449CWT N/A 464,813 AD/CWT:498,866CWT | 28,000 6,000 33,000 |
| | Goals | 40 | 120,000 | 50,000 ^f | 50,000 ^g | 6 | 16,667 | 50,000 CWT Only 25,000 AD/CWT 25,000 AD Only | 15,000 |
| | 2014 | 43 | 165,612 | 50,496 | 25,841 30,667 | 6.25 4.3 4.3 | 8,080 6,010 7,132 | 51,045 CWT 26,153 AD/CWT 26,153 AD Only | 15,000 |
| 2015 | 42 | 114,635 | | | | | 51,000 CWT 25,490 AD/CWT 19,034 AD Only | | |
| Touchet Summer Steelhead | Goals | 36 | 65,000 | N/A | 50,000 | 4.5 | 11,111 | 50,000 CWT Only | 5,000 |
| | 2014 | 29 | 63,758 | N/A | 48,711 | 5.6 | 8,698 | 49,395 | 5000 |
| | 2015 | 26 | 97660 | N/A | | | | 48,152 | |
| Wallowa Summer Steelhead | Goals | 120 | 600,000 | 202,500 ^h 86,000 ⁱ | 200,000 ^h 85,000 ⁱ 100,000 ^j 120,000 ^k | 6 - 4.5 6 - 4.5 4.5 4.5 | 44,444 18,888 22,222 26,667 | 180,000 AD, 20,000 AD/CWT 66,000 AD, 20,000 AD/CWT 80,000 AD, 20,000 AD/CWT 90,000 AD, 20,000 AD/CWT | |
| | 2014 | 160 | 710,030 | 209,799 91,068 | 206,735 91,310 75,456 110,751 | 6-5.0 6-4.3 3.9 3.9 | 41,347 20,337 19,348 28398 | 21,195 AD/CWT 182,890 AD Only 21,066 AD/CWT,67,269 AD Only 21,117AD/CWT 54,339 AD Only 21,042 AD/CWT 91,019 AD Only | 6,000 3,000 3,000 3,000 |
| | 2015 | 157 | 644,350 | | | | | 20,180 AD/CWT 182,320 AD only 21,147AD/CWT 67,871 AD only 21,204 AD/CWT 80,000 AD only 21,073 AD/CWT 80,491 AD only | |
| | Goals | N/A | 152,000 | 17,600 ^l 1,650 ^m | 29,500 ⁿ 74,000 ^o 1,000 ^p | 3 1 3 2.5 0.67 | 5,867 1,650 9,833 29,600 1,500 | N/A | N/A |
| | 2013 | N/A | 153,500 | 16,520 ^l 1,680 ^m | 29,507 ⁿ 83,800 ^o 1,180 ^p | 3 0.67 3 2.5 0.67 | 5,507 2,520 9,836 33,520 1,770 | N/A | N/A |
| 2014 | N/A | 168,100 | 16,970 ^l 1,792 ^m | 25,660 ⁿ 67,340 ^o 1,184 ^p | 2.9 On-Hand 3.5 On-Hand On-Hand | 5,950 On-Hand 7,331 On-Hand On-Hand | N/A | N/A | |

Tucannon Hatchery 2014-2015 Production Summary

| Stock / Species | Brood Year | Broodstock Collected | Fish / Eggs Recieved | Release | Size (fpp) | lbs. | Marks/CWT | PIT Tags |
|----------------------------------|--------------|----------------------|------------------------------------|-----------------|-------------|-----------------|------------------|----------|
| Tucannon Spring Chinook | Goals | 170 | 30,000 eyed eggs 198,000 smolts | 225,000 | 12 | 18,750 | 225,000 CWT Only | 15,000 |
| | 2013 | 158 | 30,000 eyed eggs 213,650 smolts | 239,783 | 12.2 | 19,655 | CWT Only | 15,000 |
| | 2014 | 126 | N/A | N/A | N/A | N/A | CWT Only | 15,00 |
| Tucannon Summer Steelhead | Goals | 40 | 50,000 | 50,000 | 4.5 | 11,111 | 50,000 CWT Only | 7,500 |
| | 2014 | 52 | 50,496 | 50,363 | 5.1 | 9,875 | 50,363 CWT Only | 7,500 |
| | 2015 | 51 | N/A | N/A | N/A | N/A | N/A | 7,500 |
| Spokane Rainbow Trout | Goals | N/A | 126,000 | 93,358 4,000 | 2.5 0.67 | 37,343 6,000 | N/A | N/A |
| | 2013 | N/A | 126,306 | 105,074 | 2.17 | 48,385 | N/A | N/A |
| | | | | 4,081 | 0.58 | 6,977 | | |
| | 2014 | N/A | 126,000 | N/A | N/A | N/A | N/A | N/A |
| | | | | N/A | N/A | N/A | | |

^a Tucannon Fish Hatchery received 30,000 eyed eggs for rearing feasibility study. BY2013 was the final year for this study.

^b Juvenile spring Chinook transferred to Tucannon Fish Hatchery for acclimation.

^c FCAP subyearling fall Chinook

^d Eyed egg transfer to Irrigon Hatchery

^e FCAP yearling fall Chinook

^f Conservation group transferred to Tucannon Fish Hatchery for acclimation

^g Reared full term at Lyons Ferry and direct stream planted.

^h Transferred to Cottonwood Acclimation Pond and released into the Grande Ronde River.

ⁱ Transferred to Dayton Acclimation Pond and released into the Touchet River.

^j Reared full term at Lyons Ferry and direct stream plant into the Walla Walla River.

^k Reared full term at Lyons Ferry and direct stream plant into the Snake River.

^l Triploid rainbow trout for IDFG.

^m Triploid rainbow trout for Nez Perce Tribe resident fish program.

ⁿ Triploid rainbow trout planted in Rock Lk.

^o Diploid rainbow trout.

^p Mitigation jumbo trout.

