

**FY2015 OBJECTIVES:**

Objective 1: Manage all operations and maintenance at the Clearwater Fish Hatchery, the Powell, the Red River and the Lower Crooked River Satellite facilities, to achieve LSRCP goals. This also includes overseeing spending, all fish marking, fish transportation, and fish health activities associated with this program.

Report:

- A. Provided administrative oversight, developed and managed budgets, and met reporting requirements. This included overseeing spending, fish marking, fish transportation and fish health activities associated with this program.
- B. Adult Trapping and Broodstock Development
  1. The LSRCP goals for the Clearwater Fish Hatchery are to return 14,000 adult steelhead and 12,000 adult (spring/summer) Chinook Salmon above Lower Granite Dam annually. In addition to managing the Clearwater Fish Hatchery, the staff also oversees operations at three satellite facilities, the Powell, the Red River and the Lower Crooked River Satellite facilities.
    - a. Pertinent physical and biological data associated with all aspects of program operations were collected. Program operations are detailed in Clearwater River Annual Operating Plan (AOP).
  2. Steelhead
    - a. The broodstock goal for B-run steelhead is 442 (221 males, 221 females) adults collected by anglers on the South Fork of the Clearwater and backfilled with broodstock from Dworshak National Fish Hatchery (DNFH) if needed.
      - i. A total of 345 adult B-run steelhead were collected on the South Fork of the Clearwater in 2015 by fisherman.
      - ii. All broodstock was collected by the localized broodstock program and no DNFH fish were needed.
  3. Spring Chinook Salmon
    - a. The broodstock goal for Spring Chinook Salmon is 1,548 adults.
      - i. A total of 2,253 Chinook Salmon were trapped in 2015 (2,135 HO, and 118 NO).
  4. Summer Chinook Salmon
    - a. The broodstock goal for Summer Chinook Salmon is 426 adults.
      - i. A total of 299 Summer Chinook Salmon were trapped in 2015, 210 were jacks (299 HO and 0 NO).
- C. Spawning
  1. Pertinent physical and biological data associated with all aspects of program operations were collected. Program operations are detailed in the Clearwater River Annual Operating Plan (AOP).
  2. Steelhead
    - a. The smolt release target is 843,000 Clearwater locally adapted B-run steelhead with a green egg collection target of 904,500 and a broodstock of 442 adults collected by

volunteer anglers.

- i. A total of 203 B-run steelhead females were spawned in 2015 at DNFH for CFH producing 1,353,406 green eggs.

3. Spring Chinook Salmon

- a. The smolt release target is 2.53 million Spring Chinook Salmon with a green egg collection target of 2,907,000 and a broodstock target of 1,548 adults.
  - i. A total of 885 Spring Chinook Salmon females were spawned in 2015 for the South Fork Clearwater program producing 4,556,993 green eggs. Eggs from 29 females were culled due to high BKD and 2 females for poor egg quality

4. Summer Chinook Salmon

- a. The smolt release target is 600,000 Summer Chinook Salmon with a green egg collection target of 918,060 and a broodstock target of 426 adults.
  - i. A total of 178 (20 Crooked River stock, 158 South Fork Salmon stock) Summer Chinook Salmon females were spawned in 2015 producing 801,207 green eggs. There were no culls due to high BKD and 2 culled for poor egg quality. Also eggs from 50 South Fork Salmon were transferred from McCall Fish Hatchery yielding 218,524 eggs to help backfill the Summer Chinook Salmon program.

D. Incubation and Rearing

1. Steelhead

- a. Incubated and reared steelhead eggs and fish to appropriate lot levels.
- b. Collected and recorded appropriate physical and biological data during incubation and rearing.
  - i. Brood Year 2014 steelhead survival from eyed egg to stocking was 87.4%. A total of 153,577 pounds of feed was fed for a weight gain of 154,624 resulting in a feed conversion of 0.99. The final entire hatchery average rearing densities were under 0.3 D.I.
  - ii. Brood Year 2015 steelhead inventory on hand is 911,668 presmolts at 8.02 fpp. This group of fish will winter in twelve large outside raceways. Smolts will be released in the spring of 2016 at Red House, Meadow Creek and Newsome Creek.

2. Spring Chinook Salmon

- a. Incubated and reared spring Chinook Salmon eggs and fish at appropriate lot levels.
- b. Collected and recorded appropriate physical and biological data during incubation and rearing.
  - i. Brood Year 2013 spring Chinook Salmon survival from eyed egg to stocking was 88.5%. A total of 120,133 pounds of feed was fed for a weight gain of 135,755 resulting in a feed conversion of 0.88. The final entire hatchery average rearing densities were under 0.3 D.I.
  - ii. Brood Year 2014 spring Chinook Salmon inventory on hand is 3,502,566 presmolts at 26 fpp. This group of fish will winter in the 22 Chinook bank raceways and 11 raceways on the north bridge. Smolts will be released in the spring of 2016 at Red River, Clear Creek, Selway and Mill Creek.
  - iii. Brood Year 2015 spring Chinook Salmon inventory on hand is 3,243,288 swim-up fry. This group of fish will winter in 47 indoor vats until spring of 2016 when they will be moved to outdoor rearing. Smolts will be released in the spring of 2017.

3. Summer Chinook Salmon
    - a. Incubated from eyed-egg, reared summer Chinook Salmon eggs and fish at appropriate lot levels.
    - b. Collected and recorded appropriate physical and biological data during incubation and rearing.
      - i. Brood Year 2013 summer Chinook Salmon survival from eyed egg to stocking was 83.4%. A total of 30,529 pounds of feed was fed for a weight gain of 33,295 resulting in a feed conversion of 0.92. The final entire hatchery average rearing densities were under 0.3 D.I.
      - ii. Brood Year 2014 summer Chinook Salmon inventory on hand is 244,603 presmolts at 26 fpp. This group of fish will winter in 2 raceways on the north bridge. Smolts will be released in the spring of 2016 at Powell.
      - iii. Brood Year 2015 summer Chinook Salmon inventory on hand is 937,135 swim-up fry. This group of fish will winter in 13 indoor vats until spring of 2016 when they will be moved to outdoor rearing. Smolts will be released in the spring of 2017.
- E. Juvenile Fish Releases
1. Steelhead
    - a. Annual release plans
      - i. Distribution of Brood Year 2014 B-run steelhead occurred on April 6, 2015 and was completed on April 10, 2015. A total of 947,623 smolts were released at three different sites: 191,805 DNFH stock at Meadow Creek, 356,183 localized stock at Meadow Creek, 155,081 at Newsome Creek and 244,554 at Red House hole on the South Fork of the Clearwater.
      - ii. All fish hauling was done by Clearwater staff, Fish and Game staff from other stations and two contract drivers that drove CFH transport trucks.
  2. Spring Chinook Salmon
    - a. Annual release plans.
      - i. Distribution of Brood Year 2013 spring Chinook Salmon occurred on March 9, 2015 and was completed on March 20, 2015. A total of 2,153,215 smolts were released at three different sites: 673,391 at Clear Creek, 382,164 at Lower Selway and 1,097,660 at Red River.
    - b. Fish loading and hauling information.
      - i. All fish hauling was done by Clearwater staff, Fish and Game staff from other stations and two contract drivers that drove CFH transport trucks.
  3. Summer Chinook Salmon
    - a. Annual release plans
      - i. Distribution of Brood Year 2013 summer Chinook Salmon occurred on March 24-25, 2015. A total of 528,410 smolts were released at Powell.
    - b. Fish loading and hauling information.
      - i. All fish hauling was done by Clearwater staff, Fish and Game staff from other stations and 2 contract drivers that drove CFH transport trucks.

Objective 2: Develop the facility annual operating budget, to be submitted to the LSRCP office by June 15. The FY2015 proposed operating budget was \$1,919,346 (excluding fish feed and utilities paid directly by LSRCP office). A separate maintenance and equipment needs list will be submitted with the annual operating budget. Major maintenance and improvement projects will be coordinated with the LSRCP office.

Report:

- A. The Annual Operating Budget was submitted to IDFG Headquarters office prior to June 15.
- B. A capital improvement project list was submitted along with the budget.
- C. All major maintenance and improvement projects were coordinated with the LSRCP office.
  1. Facility and Equipment Maintenance, Repair, Replacement. The following projects were completed in 2015:
    - a. Constructed and installed live well covers for ponds 1,2,3,4.
    - b. Installed new maintenance water stand pipe at adult holding
    - c. Installed new water sprinklers for ponds 1,2,3,4
    - d. Constructed and installed cat walks with hand rail and jump screens for ponds 1,2 3,4
    - e. Constructed and installed bird netting supports with bird netting for ponds 1,2,3,4
    - f. Installed up well screen's and tail screens for ponds 1,2,3,4
    - g. Prepared and painted Powell raceways (2 coats primer, 2 coats top coat)
    - h. Prepped and stained administration building
    - i. Replaced 12 wheels and bearings along with 36 guide bearings on the south steelhead bridge
    - j. Installed PLC and finger safe electric panel for steelhead bridge
    - k. Installed new water tight 20 amp receptacle on north steelhead bridge for fish pump
    - l. Repaired north steelhead bridge clean out pump
    - m. Repaired about 80 feet of steelhead drive track
    - n. Repaired and resealed steelhead expansion joints
    - o. Installed new Flo meter at steelhead mix chamber
    - p. Cleaned intake screen
    - q. Cleared sewer line from administration building to street, replaced one toilet in dorm bathroom
    - r. Installed new windows in res. 2, 5, and 6
    - s. Completed siding on 7 houses
    - t. Repaired fences and gates on 7 houses
    - u. Replaced 3 doors on res. 1,4,6
    - v. Painted interior of res. 1,5
    - w. Replaced carpet in res. 1,5
    - x. Replaced pellet stove in res. 6
    - y. Installed new stove vent in res. 6,7
    - z. Installed new dishwasher res. 4, 6

- aa. Replaced carpet in administration building
- bb. Built 2 walls with doors for incubation
- cc. Replaced 2 doors on the south side of the hatchery building
- dd. Refreshed landscaping around the administration building
- ee. Repaired maintenance water line by res. 1
- ff. Repaired domestic water line at Red River satellite
- gg. Constructed new mail box stand
- hh. Organized the bone yard and recycled excess material
- ii. Turned the Future Culturist Center into a great work station with the addition of a work table and a fresh coat of paint
- jj. Cleaned and painted cold storage
- kk. Cleaned the red shed and covered the south wall in metal siding

Objective 3: Develop an annual facility Statement of Work, to be submitted to LSRCP office by June 15.

Report: The FY 2016 Clearwater Fish Hatchery Statement of Work was submitted to LSRCP prior to June 15, 2015.

Objective 4: Conduct annual safety inspections and submit findings to the LSRCP office by August 1.

Report:

- A. Clearwater Fish Hatchery received a State Safety Inspection on July 28, 2015. A report was received on July 28, 2015 and a response was sent to LSRCP and Division of Building and Safety. All deficiencies noted have been repaired.
- B. Red River Satellite Facility received a State Safety Inspection on July 28, 2015. A report was received on July 28, 2015 and a response was sent to LSRCP and Division of Building and Safety. All deficiencies noted have been repaired.
- C. Upper Crooked River Satellite Facility received a State Safety Inspection on July 28, 2015. A report was received on July 28, 2015 and a response was sent to LSRCP and Division of Building and Safety. All deficiencies noted have been repaired.
- D. Lower Crooked River Satellite Facility received a State Safety Inspection on July 28, 2015. A report was received on July 28, 2015 and a response was sent to LSRCP and Division of Building and Safety. All deficiencies noted have been repaired.
- E. Powell Satellite Facility received a State Safety Inspection on July 28, 2015. A report was received on July 28, 2015 and a response was sent to LSRCP and Division of Building and Safety. All deficiencies noted have been repaired.

Objective 5: Conduct annual facility condition assessments and submit findings to the LSRCP by August 1.

Report: A condition assessment was completed by LSRCP, Chris Starr.

Objective 6: Conduct annual real property and personal property inventories; coordinate with LSRCP personnel.

Report:

- A. Verified personal property inventory with Renee Heeren on May 11, 2015.
- B. IDFG Annual Inventory submitted to the Bureau on January 22, 2015.
- C. IDFG Fiscal Year End Inventory was submitted to the Bureau on June 11, 2015.

Objective 7: Contribute to the development of the Clearwater Basin AOP.

Report: Fish Hatchery Managers attended the Clearwater Basin AOP meeting in Ahsahka on January 15, 2015. All CFH data was entered into the CFH AOP document on Google Docs in a timely manner.

Objective 8: Provide monthly fish inventory data to the LSRCP office by the 7<sup>th</sup> of each month.

Report: All monthly LSRCP reports were submitted to the LSRCP office by the 7th of each month during the fiscal year.

Objective 9: Provide a written facility annual report to the LSRCP office, including the standardized LSRCP production tables to the LSRCP office by December 31. A progress summary of all ongoing hatchery research projects will be included in this report.

Report:

- A. This annual report was submitted prior to December 31.
- B. LSRCP Standardized Production Tables

**Steelhead (S.F Clearwater B-run Stock):**

Adult Return Goal:	14,000
Smolt Release Target:	843,000
Egg Collection Target:	1,424,205
Broodstock Target:	221 pair

**Spring Chinook Salmon**

Adult Return Goal:	12,000
Smolt Release Target:	2,535,000
Egg Collection Target:	3,847,578
Broodstock Target:	774 pair

**Summer Chinook Salmon**

Smolt Release Target:	600,000
Egg Collection Target:	918,060
Broodstock Target:	213 pair