



Dworshak Fisheries Complex

Monthly Activity Report



November, 2013

U.S. Fish & Wildlife Service, Region 1

Volume 3, Issue 1

Special points of interest:

- Total Fish on station at Dworshak: 8,179,897
- Total Fish/Eggs on station at Kooskia: 1,328,418
- Dworshak's [Facebook page](#) is going strong!
- Coho salmon spawning ended in November.

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Manager's Message

Everything about the Dworshak Fisheries Complex is challenging, from the plumbing to the program to co-management to our large and diverse workforce. That is what I want to focus on this month: the employees who drive our success.

If I did my math correctly, there are more than fifty people working within the Dworshak Fisheries Complex. Our team includes the folks that grow the fish, which is obviously our primary mission. They in turn

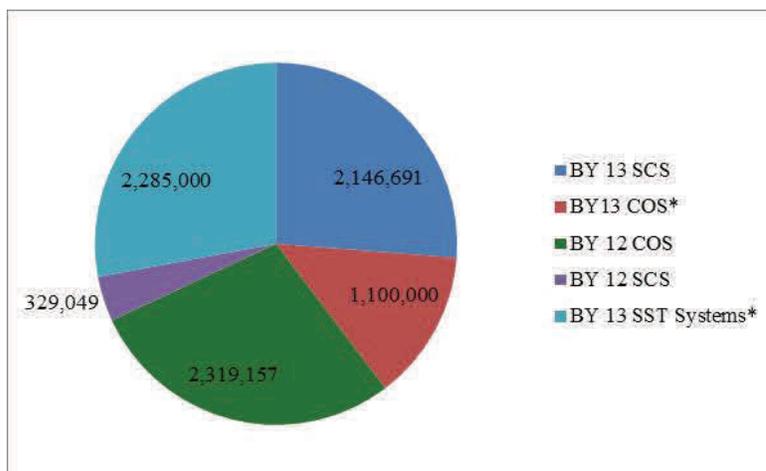
are dependent on our maintenance folks, who keep the facilities and equipment in good condition in support of that mission. Of course we also rely on our fish health group, who monitors the health of our fish and aid in a variety of tasks from veterinary prescriptions to proper disinfection techniques, etc. We also rely on the biologists in the IFRO that help us succeed both within and beyond the walls of our facilities, once our fish are released. Nowadays, no hatchery can survive



without a strong evaluation component, and we are lucky to have our M&E team located right on the grounds at Dworshak. Finally, we need local administrative support to navigate through the myriad of processes and paperwork that ensure funding, contracting, payroll and a host of other priori-

Production Summary: Dworshak National Fish Hatchery

Figure 1. Total Production—Fish on Station (11/30/13).



Chinook eggs.

Credit: Angela Feldmann/USFWS

SCS=Spring Chinook; CW SCS=Clearwater Hatchery Spring Chinook; SST= Steelhead; COS=Coho

* estimated number of fish/eggs





Sorting and counting
Chinook eggs.

Credit: Angela Feld-
mann/USFWS

“Chinook fry
were
enumerated in
November.”



Jeff Muchard picking
Chinook eggs.

Credit: Angela Feld-
mann/USFWS

Hatchery Headlines: Dworshak Spring Chinook Salmon (SCS)

Brood Year 2012 (BY12)

One million surplus fry are being raised in BPs 53-71. At the end of the month there were 2,319,517 BY 12 SCS on station averaging 43 fish per pound (fpp) and 109 mm (4.3 inches) total length. There were 753 (0.03%) SCS mortalities in the raceways (RWs) and System III during the month. Fish in the B bank raceways are on serial reuse and average flow is 1031 GPM. Flow in the BPs is 1000 GPM. Water temperature averaged 48.9°F in the RWs.

Brood Year 2013 (BY13)

Egg enumeration was completed in November. In total there were 2.17 million eyed eggs enumerated for Dworshak; 22,740 of those eggs were shipped to Kooskia to backfill their production leaving 2.15 million eyed eggs going towards Dworshak production. Total eye up was 90%. Eight females were culled as dead eggs at enumeration and 2 females were culled for BKD. All Dworshak SCS eggs are being incubated on chilled water at about 36°F. Currently we are using one chiller at maximum capacity to accommodate our chilled water needs. Prior to eye-up and enumeration both chillers were necessary to meet our chilled water needs. Please see Table 1 for detailed egg enumeration information.

Hatchery Headlines: Dworshak Summer Steelhead (SST)

Brood Year 2013

At the end of the month there were approximately 2,285,300 BY 13 SST in the BPs averaging 11 fpp and 162 mm (6.4 inches) total length. There were 1473 mortalities this month. Systems I, II, & III are on river water; average water temperature was 49.3 °F and average flow was 600 gpm.

Brood Year 2014

The fish ladder was opened in October to begin collecting early return steelhead and to collect Coho salmon and Fall Chinook for broodstock. At the end of November 1513 steelhead were trapped; 181 females, 151 males, and 37 unsexed had been collected and are being held in HP 1 for early take broodstock. Excess steelhead were out planted to the Clearwater River. Steelhead spawning will begin January 7, 2014.

Hatchery Headlines: Dworshak Coho Salmon (COS)

Brood Year 2012

There were 329,049 Coho at the end of the month. Fish averaged 34 fpp and 111 mm (4.4 inches). Total mortality for the month was 254 (0.08%).

Brood Year 2013

Spawning for BY13 wrapped up in November. Coho eggs are being incubated at Dworshak on chilled water until eye-up. Approximately 300,000 eyed eggs will be incubated at Dworshak; the remaining eggs will be transferred to Eagle Creek. The full Coho report can be seen on page 4.

Hatchery Headlines: Kooskia

Kooskia NFH Monthly Activity Report

This activity report is implemented by the Tribal Fish Hatchery manager, Kent Hills. All information in this report was collected and or performed by the hatchery staff during the preceding month.

Under SRBA and the Clearwater Annual Operating Plan, the Tribe, Service and Idaho Fish & Game have agreed to implement other fish production actions related to KNFH mitigation. Reports will include additional information about other species reared, processed and released in relation to KNFH operations.



Kooskia NFH is owned by the USFWS and managed by Nez Perce Tribal Fisheries.

Credit:USFWS

Kooskia Adult Trap Operations Brood Year 2013

279 Coho were taken from the trap.

Kooskia Chinook Brood Year 2012

There are 629,796 fry on station. Mortality is down at 193 for the month. There has been no month end sample count this month because of ice on the ponds. The fish were fed 2684 pounds of feed. The fish are in creek water, the water temperature averaging 34 degrees.

Kooskia Chinook Brood Year 2013

Kooskia takes 1,2, & 3 were transported to Kooskia from DW, Kooskia take 4 & 5

were taken by Clearwater Hatchery. Dworshak hatchery had 22,740 eyed eggs which had higher than desired BKD, these eggs were transported to Kooskia for rearing, these eggs are kept separate and will be culled if there is high mortality. This leaves a total of 698,622 eyed eggs at Kooskia hatchery.

Table 1. Egg Enumeration: Dworshak, 11/30/2013

| Take | Spawn Date 2013 | # of Females | Females culled BKD | Trays Culled Dead | Eyed Eggs Enumerated | Total Eggs Enumerated | Eggs/Female | % Enumerated Eye-up | % Total Eye up |
|-----------|-----------------|--------------|--------------------|-------------------|----------------------|-----------------------|-------------|---------------------|----------------|
| 1 | 13-Aug | 54 | 0 | 2 | 168,186 | 192,656 | 3,705 | 87.3 | 84.1 |
| 2 | 20-Aug | 103 | 0 | 1 | 336,410 | 396,059 | 3,883 | 84.9 | 84.1 |
| 3 | 27-Aug | 185 | 0 | 1 | 655,914 | 712,357 | 3,872 | 92.1 | 91.6 |
| 4 | 3-Sep | 195 | 2 | 2 | 669,567 | 702,329 | 3,677 | 95.3 | 93.4 |
| 5 | 10-Sep | 91 | 0 | 2 | 280,495 | 301,656 | 3,389 | 93.0 | 90.9 |
| 6 | 17-Sep | 17 | 0 | 0 | 58,859 | 63,364 | 3,727 | 92.9 | 92.9 |
| Total/Ave | | 645 | 2 | 8 | 2,169,431 | 2,368,421 | 3,730 | 91.6 | 90.2 |

Table 2. Total Fish on Station: Dworshak, 11/30/2013

| SP | BY | Location | Number | Wt (lbs) | FPP | L in | L mm |
|--------------------------------------|----|--------------------|------------------|---------------|-----|------|------|
| SCS | 13 | eggs/incubation | 2,146,691 | | | | |
| COS | 13 | eggs/incubation | 1,100,000 | | | | |
| SCS | 12 | RWs 1-30; Sys III | 2,319,157 | 54,313 | 43 | 4.3 | 109 |
| COS | 12 | System III | 329,049 | 9,547 | 34 | 4.4 | 111 |
| SST* | 12 | SST Sys I, II, III | 2,285,000 | 207,727 | 11 | 6.4 | 162 |
| Total Fish/Fry on Station EOM | | | 8,179,897 | 63,860 | | | |

Hatchery Headlines: Nez Perce Tribal Fisheries

Performance for November 2013, BY 12 Coho

The inventory of Brood year 2012 Coho on December 1st showed 329,049 Clearwater-stock are being reared in four Burrows Ponds at Dworshak National Fish Hatchery (DNFH) as shown in Table 3 below.

Table 3. Brood year 2012 Coho inventory as of December 1, 2013.

| Ponds | Number of fish | Weight (lbs.) | FPP (average) | Length (inch) | Comments |
|---------------|----------------|---------------|------------------|---------------|----------|
| 76 | 82286 | 2451 | 33.57 | 4.40 | |
| 78 | 82140 | 2289 | 35.88 | 4.30 | |
| 80 | 81809 | 2317 | 35.31 | 4.33 | |
| 82 | 82814 | 2490 | 33.26 | 4.41 | CWT |
| Totals | 329049 | 9547 | 34.51 | 4.36 | |

MORTALITY:

The average percent mortality for Clearwater stock Coho during November was 0.08%. Total monthly mortality was 254 as collected by staff

GROWTH:

Fish per pound (fpp) decreased from an average of 38.63 fpp to 34.51 fpp. Length increased from an average of 4.20 inches to 4.36 inches.

FEED:

A total of 1,017pounds of Bio-Clark's Fry 1.2 mm feed was fed during the month of November. The total cost of feed for the month was \$1,573.

FISH HEALTH:

Corie Samson (USFWS) conducted monthly fish health testing on Coho.

MEETINGS/TRAINING:

- o N/A



Preparing female Coho for spawning.

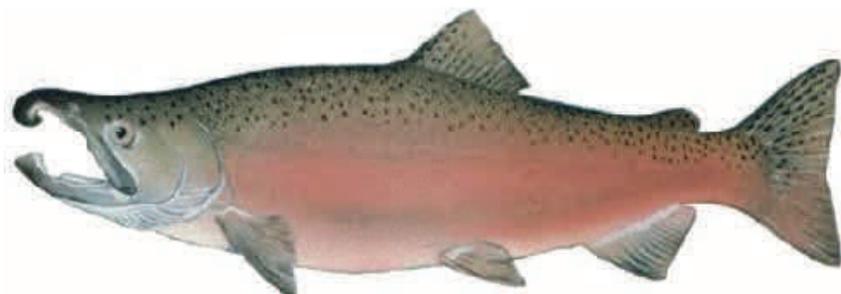
Credit: Angela Feldmann/USFWS

"Coho spawning was finalized in November."



Opercle punches are used to obtain genetic data from Coho.

Credit: Angela Feldmann/USFWS



Manager's Message

(Continued from page 1)

ties are met. We're extremely lucky to have a highly effective two-person team handling our administrative duties within the Complex.

Receiving national "Hatchery of the Year" from the USFWS and also through their Lower Snake River Compensation Program in 2012 is quite an achievement. Last week, several of you were selected to stand and receive the national award from Mike Carrier during his visit, representing your peers from all of these shops. I want to point out that any number of you could have been selected for that honor. Many of you have been here for many years, and some of you have only worked within the Complex for a year or less. However, ALL of you are making a difference. The teamwork, coordination and adaptability you've all shown is paying dividends. Congratulations on these awards, well earned from what I can see. My expectation is we will continue to improve and develop as a team, leading to even greater accomplishments.

Information and Education Corner

Dworshak

Stats: Tours-2, 20 people; Register- 150 visitors from 9 states; Volunteers- 0 logging 0 hours; Website visitors- 231; Blog Visitors - 747 from 10 countries; Facebook- 3717 total reach, up 500%!

On Site:

- Posted 1 articles to the Dworshak Fisheries Complex Blog. Please visit the site: [The Fish Ladder: Notes from Dworshak Fisheries Complex](#); your contributions and comments are always welcome!
- Do you have a Facebook account? Have you "Liked" the Dworshak Fisheries Complex Facebook page yet? Our page is getting a lot of views, shares, and has over 200 likes. We are trying to make daily posts about activities, nature sightings, and general goings-on at Dworshak and the Clearwater River area. If you haven't yet, take a minute to look at the page: [Dworshak Fisheries Complex](#), and like us!
- Updated the Dworshak Fisheries Complex Q & A brochure.
- Sent out invitations to apply for Hatchery in the Classroom to area teachers.
- Updated Dworshak web page.

Off-site:

N/A

Kooskia

There 243 were visitors to the hatchery during this month, this figure is compiled by staff, numerous fisherman stopping to check the trap for steelhead.

Idaho Fish & Game held a hunter safety shoot at the hatchery on 11/10, about 30 shooters and families attended.



Art collecting water samples at Kooskia for NPDES



Goodbye bridge!
Credit: Angela Feldmann/USFWS

**“Bridge
 demolition will
 occur in
 December.”**



**Gearing up for the
 bridge demolition.**
Credit: Angela Feldmann/USFWS

Maintenance Activities

Dworshak

November maintenance activities included:

Installed new air compressor in Mech II

Repaired hose reel in spawning room

Repaired lockset in upstairs office and main entry door

Replace fish anesthetic tank ladders

Garage door openers installed in residences

Caulk Kitchen backsplashes in residences

Repaired quarters awning gutters

New range hood in residence four

Many miscellaneous repairs in quarters

Repaired warehouse west garage door off track

Repaired dodge van window

Repair broken grating at intake moss collection area

Repaired bathroom stall latch

Slings and hooks annual inspection and replacements

Travelling screen PMs

Roof drains annual inspection and cleaning

Working on LSCRP generator installation

Lab building new carpet installed

New pumps for main building hot water system

Kooskia

Nov 02: Took 39 adult males and 9 adult female Coho out of the trap.

Nov 06: Art & Kenny took the NPDES samples.

Nov 06: 44 male Coho, 16 female Coho and 0 jacks were taken from the trap.

Nov 07: 14 male Coho, 2 female Coho and 19 Coho jacks were taken from the trap,

The jacks were release above the weir.

Nov 10: 62 Coho were taken out of the trap.

Nov 12: 74 Coho were taken out of the trap.

Nov 16: Kenny to DW to enumerate Take 1 eggs.

Nov 17: Kenny transported Take 1 eggs from DW to Kooskia.

Nov 20: We experienced a low creek water alarm, it was determined the small Obermyer

Weir had failed and allowed the creek water to bypass the water intake for the Hatchery, it was determined a pressure valve had failed. Dam boards were put

In to the channel to force the water back into the intake, the weir was pulled up

And held into place with a come-a-long. A new pressure gauge has been ordered.

Nov 23: Kenny & Art to DW to enumerate take 2 & part of take 3 and transported

Take 2 to Kooskia.

Idaho Fish Health Center

Complex Hatcheries

Kooskia: Guppy visited Kooskia on 11/26 for routine monitoring. Fish appeared healthy. Ten fish were sampled for Bacterial Kidney Disease (BKD) monitoring by ELISA.

Dworshak: Rick completed monthly monitoring on the spring Chinook salmon in the density study (B bank raceways) and juvenile steelhead in System 3. No fish health issues were detected.

Samples were taken for virus testing for study of returning steelhead fresh from the river during coho trapping and sorting at Dworshak on 11/12 and 11/26.

Rick and Corie attended a HET meeting on the development of policies for the disposal of excess steelhead trout eggs.

Rick and Guppy attended a HET meeting on the use of BY13 spring Chinook salmon eggs that had ELISA optical densities greater than 0.250 for *Renibacterium salmoninarum* (Bacterial Kidney Disease).

Nez Perce Tribe: Guppy, Rick and Corie collected samples from Takes 3 through 6 coho salmon spawns for virology and ELISA screening for *Renibacterium salmoninarum*. Samples were also taken from fish that were pit tagged. Laura collected samples from adult FCS takes 3, 4 and 5 at the Nez Perce Tribal Hatchery for virology, whirling disease, bacteriology and ELISA samples for *Renibacterium salmoninarum*.

Bacteriology: Laura received samples from 4 cases totaling 45 samples. *Aeromonas hydrophila* was the most prevalent bacteria grown. 7 samples were suspect for CWD and 5 were confirmed positive (see PCR).

Virology: Corie ran a total of 517 samples representing 788 fish from Dworshak NFH, Nez Perce Tribal Hatchery, Nez Perce Tribe Coho program, Hagerman NFH, and the Wild Fish Health Survey. Corie ran 574 blind passes representing 998 fish from Dworshak National Fish Hatchery, Nez Perce Tribe Coho program, Nez Perce Tribal Hatchery and the Wild Fish Health Survey.

PCR: Rick used the reverse transcriptase real time PCR (RT-rtPCR) to confirm IHNv for nine samples submitted by Corie from various recent virology cell culture cases, including one diagnostic case from juvenile steelhead trout in BP1.

Laura, Corie and Rick obtained the PCR primers and controls to run the PCR confirmatory test for a suspect cutthroat trout virus isolated in cell culture from a commercial inspection. The PCR confirmatory test was negative.

Laura tested 7 suspect CWD samples, confirming 5 as positive CWD. Laura also ran Hagerman NS samples (20) for monthly monitoring.

ELISA: Guppy tested a total of 584 samples for *Renibacterium salmoninarum* by ELISA analysis on 11/19-11/20 for Nez Perce Tribe spawning Coho, Nez Perce Tribal Hatchery spawning fall Chinook, Dworshak NFH spring Chinook juveniles, and Hagerman NFH Rainbow trout.

Parasitology: Wild fish collected from the Coeur d'Alene River watershed were prepared for pepsin/trypsin digest by Rick.

Histology: Four diagnostic samples of white sturgeon from the WDFW Wells Hatchery were processed and analyzed by histopathology.

Wild Fish Survey: Three shipments of Bull Trout mortality collected by Avista from Lake Pend Oreille were received totaling 34 fish for the month. Samples for virology, FAT, and heads were collected.

OTHER:

Corie Samson represented the Idaho FHC to accept the Dworshak Hatchery award from Assistant Regional Director Mike Carrier along with staff members from Dworshak production, maintenance, and the Idaho FRO on 11/20 at Dworshak NFH.

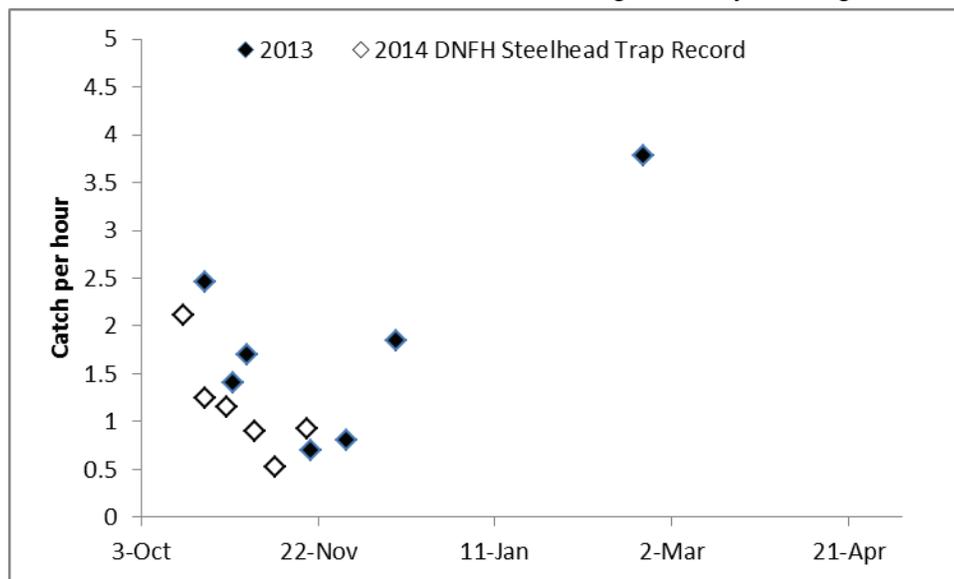
Guppy attended national FWS FHC conference call hosted by Joel Bader on 11/4.

The Idaho FHC received new carpet in the office area of the lab during the first week of November.

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Idaho Fisheries Resource Office

We continued to trap Steelhead broodstock through November. By the end of the month we had collected a total of 1,513 steelhead in the trap and we have ponded 346 and released the remainder back to the river. Our goal for the fall broodstock collection is 350. Predictions are for a lower than average return of steelhead in 2013-14. So far our catch rates have ranged 0.5 to 2.1 fish per hour with the trap operating almost continuously through October and November. These catch rates are similar to what we saw last fall so we are optimistic that we will meet our broodstock needs this year. We have PIT tagged and released 125 steelhead back to the river to track how long these early returning steelhead persist in the system.



Mike Faler met with Dean Osterman and Joe Maroney of the Kallispel Tribe to discuss results of their ANS efforts in the Pend Orielle River, bull trout recovery issues, and FERC re-licensing at Cabinet Gorge.

John Hook wrapped up the field work for the whitefish study for the year. He and Aaron Bachelier conducted the last snorkel surveys 31 October and all the radiotelemetry gear was out of the field by the 5 November.

Ray Jones: For the Chinook M and E program, we have been working on completing the BY2006 and BY2007 broodyear reports for

DNFH and the 2013 annual report for Dworshak and Kooskia. The CWT data has been submitted to Olympia to be uploaded into RMIS. We are waiting for that process to be completed in order to complete our own analysis. We have worked on the development of SOPs for handling excess steelhead and Chinook salmon eggs through the HET, have been developing the historical data associated with ladder operations and broodstock collection of Chinook salmon at Dworshak NFH, and continue to collect growth information for Density and Flow Evaluation studies in the raceways. We completed the 4th year of bull trout spawning surveys in Myrtle Creek on the Kootenai NWR and will be sending out the final report sometime after the first of the year.

Carrie Bretz has been working on broodyear 2014 steelhead collection, fish health sampling and database maintenance. She is also beta testing the new FINS database for BY14 steelhead collection and contracting for new the construction and installation of the new PIT tag array for Clear Creek. Carrie and crew removed the screw trap from Clear Creek for the year is preparing for the PIT tagging effort to be conducted in January.

Chris Peery has been working with Bretz to process steelhead collected in our trap and writing past due steelhead annual report. He travelled to Hagerman NFH for an HET meeting. Several research and M and E items were discussed for the coming year. He also attended the steelhead run reconstruction meeting in Boise, lamprey research coordination meetings with the U.S. Army Corps of Engineers in Portland and Walla Walla, and the Hatchery Managers training workshop in Richland, WA.

Billy Connor continuous to work on fall Chinook salmon research. Here were his highlights over the last two months;

October

- (1) Worked jointly with the NPT, NOAA, and WDFW to evaluate and establish de-listing criteria for Snake River fall Chinook salmon
- (2) Initiated fall Chinook salmon redd surveys in the Snake River in cooperation with Idaho Power Company
- (3) Reviewed an article for NAJFM
- (4) Completed the first draft of a report with NOAA on the response of juvenile fall Chinook salmon to dam passage strategies using data collected on adults that had been reared and tagged as juveniles at DNFH during 2005, 2006, and 2008

(5) Worked on draft of parts I and II of a five-part review article for Reviews in Fisheries Science

November

(1) Completed the first draft of parts I and II of a review article for Reviews in Fisheries Science and forwarded the drafts to USGS and Idaho Power Company partners for input

(2) Developed and applied a method for estimating the abundance of natural fall Chinook salmon juveniles passing Lower Granite Dam during 1992–2012

(3) Participated in Adaptive Management Implementation Plan (AMIP) meeting regarding and ISAB review of IFRO/USGS/NOAA 2-stage stock-recruitment modeling with covariates

(4) Wrote the FY14 SOWs and budgets for the two FACH projects and forwarded them to BPA

(5) Assisted Idaho Power Company during the testing of drones for counting redds.

(6) Completed aerial and deepwater surveys for fall Chinook redds on the Snake River

(7) Provided field assistance to NPT during the conduct of radio telemetry studies on fall Chinook salmon spawner movement.

(8) Completed FY13 employee evaluations for FACH staff

Jody Brostrom working in our Salmon station provided the following report of activities:

The Salmon Valley Stewardship in conjunction with state and federal agencies and regional non-governmental organizations is summarizing how restoration activities provide economic benefits to local communities in Lemhi and Custer counties. Parameters captured include local (within 100 miles of project site) and regional (within 200 miles of the project site) contractors, workforce and materials, project partners, project labor and materials expenses, primary and secondary purpose of project (forest, wetland or stream restoration, fish habitat restoration, wildlife habitat restoration), riparian protection. I summarized completed (n= and ongoing FWS funded projects using Partners for Fish and Wildlife and some fisheries funds.

The Yellowstone Cutthroat Trout Interagency Team is updating the 2006 YCT Status Assessment and will be updating the YCT Conservation Agreement and Strategy. I am participating as an editor for the Status Assessment revision. Additionally, a component of updating the

| Project Purpose | Number of Projects | Local Workforce Value | Regional Workforce Value | Total Project Material Value | Local Project Material Value | Comment |
|--|--------------------|-----------------------|--------------------------|------------------------------|------------------------------|--|
| Aquatic Habitat Restoration and Connectivity | 1 | TBD | TBD | TBD | TBD | To be completed 2014. Fish screen to be installed in conjunction 2015 |
| Riparian Protection | 10, 7 completed | \$4,600 | \$75,445 | \$65,019 | \$47,654 | Shoshone Bannock Tribe provided labor via BPA funds on 6 projects |
| Wetland Restoration | 3 | \$4,401 | 0 | \$13,702 | \$13,702 | One wetland is a seasonally connected side channel to the Salmon River |
| Wildlife Movement and Habitat Restoration | 2, 1 completed | \$41,209 | | \$23,387 | \$23,387 | Includes riparian or wetland protection via changed grazing management. 1 project benefits sage grouse |
| Total | | \$50,210 | \$75,455 | \$102,108 | \$84,753 | |

Status Assessment is to capture conservation actions in the database. I summarized FWS-Fisheries funded projects in Idaho.

FRIMA: 17 projects; irrigation screens, passage and inventories

IFRO: 2 projects; channel restoration and riparian rehabilitation

NFPP: 12 projects; remove or replace culverts, bridges, step weirs, diversion screen and passage, hardened crossing

WNTI: 5 projects; culvert replacement, channel restoration, fish screen and passage



Sorting Steelhead
Credit: Angela Feldmann/USFWS

Meetings....Training....Travel

Dworshak

Nov 07: staff from the Walla Walla District, U.S. Army Corps of Engineers, Nez Perce Tribe and USFWS reviewed status of the NPDES for the hatchery, took a tour of the facility and looked at the specific issue items as well as the many changes made over the past year relative to infrastructure and operational. The group had a follow up discussion on the Federal Facility Compliance Agreement and discussed options for the path forward.

Nov 13-14: Nate Wiese, Casey Mitchell and Mark Drobish attended the “Hatchery Manager’s Training” in Richland, Washington. Casey Mitchell shared his perspective as a tribal member of the Nez Perce as part of the Equal Employment Opportunity session on the afternoon of the 13th.

Nov 19-20: Mike Carrier and Rich Johnson visited the Dworshak Fisheries Complex. On the 20th, Mike Carrier presented the Dworshak staff with the 2012 U.S. Fish and Wildlife Service Environmental Leadership Award.....“Hatchery of the Year Award”!

Kooskia

Nov 04: Art attended a fish health class at DW.

Administrative Activities

Safety

Fall Protection training for DNFH staff is in negotiation. Training likely to occur in January, 2014. Details forthcoming.

Personnel Actions

FRO: Termination of Temp 6-month Appointment effective 12/16

DNFH: Two vacancy announcements posted on USA Jobs (Animal Caretakers, vices Allain and Wright)

Staff Service Anniversaries and Birthdays

November Birthdays

Years of Service

Mike Faler

Rob Keller, 11 years

Frank Mullins

Adam Izbicki, 21 years

Tui Moliga



A cold morning at Dworshak.
Credit: Angela Feldmann/USFWS



Happy Holidays from Dworshak Fisheries Complex!

Maintenance Activities, Kooskia

(Continued from page 6)

- Nov 24: Kenny to DW to enumerate take 3 eggs.
- Nov 25: Art to DW to enumerating take 3 eggs.
- Nov 26: Art to DW to finish enumerating take 3 eggs.
- Nov 27: Art transported Take 3 eggs to Kooskia.
- Nov 29: Art to DW to transport the rest of Take 3 to Kooskia.

Idaho Fish Health Center

(Continued from page 7)

Guppy attended the FWS Hatchery Manager's Training on 11/13-15 in Richland, WA.

Andy Goodwin, Region 1 Fish Health Program Manager visited the Idaho FHC and Kooskia NFH on 11/21-22.

The Idaho FHC gave 3 more classes in a series of fish health classes given on Mondays of each week. Topics included Biosecurity and Disinfection given by Laura, Effects of Stress by Guppy, and Bacteriology by Corie.

The Idaho FHC staff began attending all Dworshak morning meetings given each day of the week beginning the week of Oct. 21.

Idaho Fisheries Resource Office

(Continued from page 9)

Submitted the Tygee Creek Fish Passage Project for National Fish Passage Program Report. This project opened up 2.5 miles of habitat for a genetically unique and isolated (by natural barrier) population of Yellowstone cutthroat trout in the upper Henrys Fork Drainage. A quirky item of note is that this population rarely gets fished by anglers, as it is smack dab in the middle of Situation 1 grizzly bear habitat, and grizzly bears or signs of them are frequently seen.

The Idaho FRO is helping to fund the Stream of Dreams, a community project incorporating art and a celebration of salmon and other fish native to Salmon. Committed partners to date include the City of Salmon, the Idaho Chapter of the American Fisheries Society, the Steele-Reese Foundation, the School District, Salmon Valley Stewardship and many volunteers. The two women spearheading this effort are Ilona McCarthy, a renowned photographer, and Terry Myers, an avid (to put it mildly) flyfisher. They saw the Stream of Dreams in a small town in British Columbia, and Salmon will be one of the first towns in the U.S. portion of the Pacific Northwest to participate. I will be helping provide the stencils for the fish, provide technical support in curricula development, and help install the final project. From the project description:

Salmon is the name of our town, salmon and steelhead are strong and resilient, the Salmon River is the jewel of Idaho and for these reasons our community should be proud. We currently have an opportunity to show off our salmon and steelhead legacy through a project that is underway in our schools and community. The project is two-fold: to educate students in the Salmon schools about fish, migration, life cycles, riverine ecosystem, and the importance of our watershed; and to create a beautiful dimensional fish mural on the cyclone fences bordering the school grounds along Hwy. 93 South. The mural will include approximately 500 hand painted, life size fish that will be an impressive sight, defining our community and welcoming travelers!

I participated in a small work session with members of the YCT Interagency Team where core population drainages are being prioritized for conservation and restoration projects. The Snake River Geographic Management Units will be prioritized in the next few months. At the YCT Interagency Annual Meeting this week in Bozeman, it was noted that at this time the biggest threat to the persistence of pure YCT populations is non-native fish species, and removal of this threat was identified as the highest priority action that can be taken. Expect more discussion on this in the next year.



Grizzly track along Tygee Creek

Credit: Jody Brostrom/USFWS

Staff List

Complex Management

Steve Rodgers, Complex Manager
Mark Drobish, Hatchery Manager
Kent Hills, Acting Nez Perce Tribe Co-Manager
Nate Wiese, Assistant Hatchery Manager
Jack Christiansen, Aquatic Engineer

Dworshak Production Staff

Angela Feldmann, Jill Olson, Rob Bohn,
Wayne Hamilton, Tom Tighe, Jeff Muchard

Nez Perce Tribe Production Program

Mike Bisbee, Tuianna Moliga, Lou Ann Lasswell, Steve Coomer, Jeremy Sommer, Carter Lopez, Ira Wilson, Kim Jefferson, Gregory Moses, Casey Mitchel

Administration

Penny Hasenoehrl, Steve Bradbury

Maintenance

Adam Izbicki, Terry Weeks, Rick King, Rob Kellar, James Oatman, Scott Koehler, Jimmy Oatman, James Paddelty, Melissa Billups

Idaho Fish Health Center

Dr. Marilyn Blair, Laura Sprague, Corie Samson, Rick Cordes

Idaho Fishery Resource Office

Mike Faler, Dr. William Conner, Ray Jones, Aaron Garcia, Carrie Bretz, Frank Mullins, Dr. Chris Peery, Jody Brostrom, Randy Bowen, Ken Bugler, John Hook

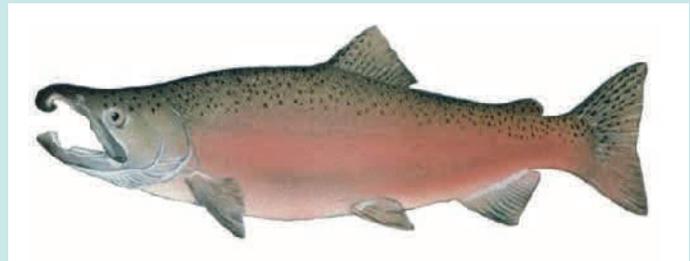
Kooskia National Fish Hatchery

Kent Hills, Art Broncheau, Kenny Simpson, Gerry Fogelman



Dworshak Complex staff.

Credit: Mark Drobish/USFWS



Parting Shot



Dworshak Fisheries Complex employees accept the FWS Hatchery of the year award from Regional Director, Mike Carrier

Credit: Nate Wiese/USFWS