



# Dworshak Fisheries Complex

## Monthly Activity Report



May 2013

U.S. Fish & Wildlife Service, Region 1

Volume 2, Issue 7

### Special points of interest:

- Total Fish/Eggs on station at Dworshak: 5,641,753
- Total Fish/Eggs on station at Kooskia: 677,043
- Read Dworshak's Blog, [The Fish Ladder](#).
- There are 382,313 BY12 Coho salmon in raceways at Dworshak.

### Inside this issue:

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### Manager's Message....

I've been working within the DNFHC for a few weeks now. I am glad to be here, and have enjoyed every minute so far. Dworshak for me has been a whirlwind of meetings, emails, phone calls, and more meetings. I've been exposed to a variety of learning opportunities, from water routing and program basics to strategic planning and facility "rehab".

Just getting the basics down on how the water gets from the North Fork Clearwater River and Dworshak Reservoir to the fish, and back to the river, has been a challenge. Many of you have seen me "coloring" on a water schematic, and one of you

even stated "Nice...the new Complex Manager is coloring in his office". Yes, I'm guilty of that... but from my perspective that was the quickest way for me to get a basic idea of how we get the water to the fish.

The complexity of DNFH doesn't stop with the plumbing system itself. I've worked at many hatcheries, and none of them compare to this facility in terms of water categories and treatment systems. When I was done with my ambitious coloring project, I had thirteen colors representing thirteen different water types! And then I found out this morning from Scott Everett that I don't even have



Acting Complex Manager Steve Rodgers

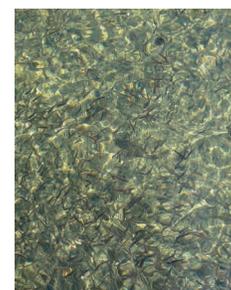
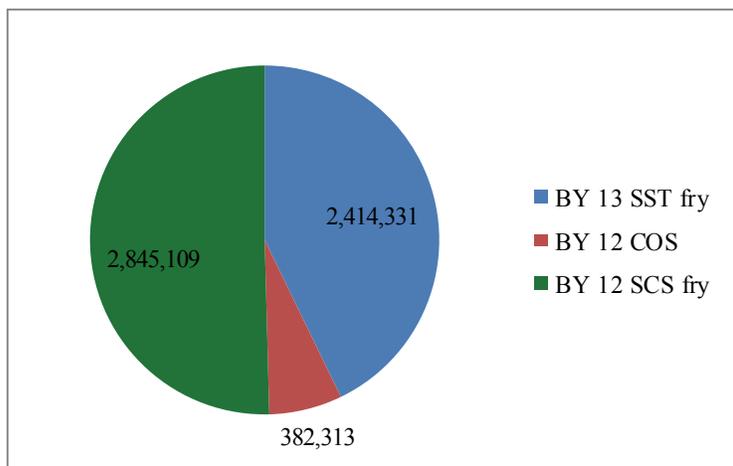
the "fire and maintenance" water line that feeds his kelt tanks on my map. So I'm up to fourteen water types at DNFH and counting... wow.

I was surprised to learn how many structures and systems at DNFH are no longer in operation. Much of what you do today is based on improvements and changes that have occurred over the years, adding to the complexity of the facility-

*(Continued on page 9)*

### Production Summary: Dworshak National Fish Hatchery

Figure 1. Total Production—Fish on Station (5/31/13).



Newly ponded Chinook fry.

Credit: Angela Feldmann/USFWS

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





Casey ponding the last of the BY 12 SCS fry.

Credit: Angela Feldmann/USFWS

**“All fry and eggs were taken from incubation this month. Now it’s time to clean up and get ready for Chinook Spawning!”**



SST egg jar.

Credit: Angela Feldmann/USFWS

## **Hatchery Headlines: Dworshak Spring Chinook Salmon (SCS)**

### ***Brood Year 2012 (BY12)***

There were 2,845,109 SCS fry in twelve raceways at the end of May, of which 444,953 were ponded on May 1. By the end of the month fry averaged 724 fpp and 42 mm (1.66 inches). Total mortality for the month was 50,706 or 1.75%. Water temperature remained cool at 42°F and flows were 388 gpm. The density index averaged 0.16. Fish health monitoring indicated no disease in the raceways despite the higher than average mortality.

## **Hatchery Headlines: Dworshak Summer Steelhead (SST)**

### ***Brood Year 2013 (BY13)***

Take 10 was shocked and enumerated in May. A total of 360,00 eyed eggs were enumerated this take. Average fecundity was 6302 and percent survival to eye was 76.1%. Take 10 was put into hatching jars in the Nursery. Take 9 went on feed May 12 and take 10 went on feed May 26. At the end of May total fry in the nursery was 2,414,331. Total mortality was 113,073 or 4.48%. We will begin moving fry out to System 1 in June. Fish health did routine checks on nursery tanks and found no disease.

## **Hatchery Headlines: Dworshak Coho Salmon (COS)**

### ***Brood Year 2011 (BY11)***

There were 382,313 Coho in two raceways at the end of May. Fry averaged 425 fpp and 48 mm (1.89 inches). Total monthly mortality was 900 or 1.18%. See page 4 for the full Nez Perce Fisheries Report.



Coho are silver salmon are powerful built and can

## 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*

The trap was opened on the 15th of May to trap returning Salmon.

On the 22nd of May, six adult Chinook, 9 suckers and 5 white fish were removed from the trap. Five adult Chinook were measured, scanned, marked and put back in the trap, and one natural adult Chinook was put into Clear Creek above the weir.

On the 29th of May, 90 Adult Chinook, 10 jacks, one white fish and three suckers were removed from the trap. 80 adult Chinook were measured, scanned, marked and put back in the trap. 10 natural adult Chinook were put into Clear Creek above the weir. The jacks were put back in the trap and were not put in the MS222 for possible subsistence purposes. Adults will be transported to Dworshak later this year due to parts needing to be custom made for the adult holding pen slide gates. We hope to move fish by June 15, 2013.

### *Kooskia Chinook Brood Year 2012*

There are 677,043 fry on station; we have had high mortality due to curly and deformed fry. Fish health has inspected the fry and taken some deformed fry for testing. Fish health indicated the possibility of gas bubble disease; this disease seems to affect only smaller fry. Jill Olson was contacted to come and demonstrate how to take dissolved gas readings. It was determined there is a gas problem within the well water. This problem seems to affect the smaller and young fry and seems to have less of an effect as the fish grow bigger and stronger. Staff is discussing installing degassing towers above the rearing tanks for next year. The fish are currently averaging 229 fish per pound and are 2.46 inches in length. The fish were fed 1,615 pounds of feed. The fish are in well water and it is being chilled to 50 degrees F.

### **Total Fish on Station: Dworshak, 5/31/2013**

SP	BY	Location	Number	Wt (lbs)	FPP	L in	L mm
SST	13	Nursery	2,414,331	10,742	225	2.3	59
COS	12	RWs 1-2	382,313	900	425	1.89	48
SCS	12	RWs 3-15	2,845,109	3,931	724	1.7	42
SST	12	SST on feed Tot/Avg	2,414,331	10,742	225	2.3	59
<b>Total Fish/Fry on Station EOM</b>			<b>5,641,753</b>	<b>15,573</b>			

**Hatchery Headlines: Nez Perce Tribal Fisheries, Coho*****Performance for May 2013, BY 12 Coho***

The inventory of Brood year 2012 Coho on June 1st showed 382,313 Clearwater-stock are being reared in two raceways at Dworshak National Fish Hatchery (DNFH) as shown in Table 1 below.

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

Raceways	Number of fish	Weight (lbs.)	FPP (average)	Length (inch)	Comments
1	193816	458	423	1.89	
2	188497	441	427	1.88	
<b>Totals</b>	<b>382313</b>	<b>900</b>	<b>425</b>	<b>1.89</b>	

***MORTALITY:***

The average percent mortality for Clearwater stock Coho during May was 1.18%.

Total monthly mortality was 4544 collected by staff

***GROWTH:***

Average fish per pound (fpp) decreased from 792.50 to 425.05 fpp.

Average length increased from 1.53 inches to 1.89 inches

***FEED:***

Coho juveniles were fed Bio-Pro #0 started feed at 1.6% of their body weight.

A total of 276 pounds of Bio-Pro #0 starter was fed for the month. The total cost of feed for the month of April was \$942.48.

***FISH HEALTH:***

Monthly fish health samples were collected by Corrie Samson. *Fish Health Report 13-126*

***REPORTS:***

CRITFC Mitchell Act Funding Progress Report submitted.

***MEETINGS/TRAINING:***

William Coomer and Tui Moliga attended the Cultural Diversity Training in Lapwai on 5/15/13.

William Coomer attended Fork Lift Recertification Training on 5/21/13.



Staff painting SCS raceways  
Credit: Nate Wiese/USFWS

***“So far the SCS run appears smaller than average.”***



It takes a lot of paint to cover the raceways  
Credit: Nate Wiese/USFWS

**Hatchery Headlines: Nez Perce Tribal Fisheries, Steelhead Kelt Reconditioning****MAY 2013**

Table 1. Steelhead kelts on hand at DNFH.

<b>Origin</b>	<b>Males</b>	<b>Females</b>	<b>Mortalities</b>	<b>On-</b>
<b>DNFH (air-spawned)</b>	0	187	85	1
<b>Lower Granite Transfers</b>	0	108	24	
<b>Totals</b>	<b>0</b>	<b>295</b>	<b>109</b>	<b>1</b>

**Fish Culture**

Continued hauling steelhead kelts from LGR – all month

Fed kelts, cleaned tanks, processed mortalities and recorded water quality data – all month

Formalin treatments, 3-5 times per week – all month

**Maintenance**

Set-up fish data computer for remote access – May 1<sup>st</sup>

Assist with raceway painting at DNFH – May 6<sup>th</sup>-10<sup>th</sup>

Vehicle primary maintenance, NPT white suburban – May 20<sup>th</sup>

**Meetings/Reports**

DNFH project coordination meetings – Thursdays, all month

Submitted paperwork for use of CRITFC GSA vehicle – May 8<sup>th</sup>

Submitted new draft of Kelt Master Plan for in-house review – May 10<sup>th</sup>

UI and CRITFC staff revised programing for data input for Lower Granite and DNFH kelt database – May 17<sup>th</sup>

**Public Outreach**

Presented 'FISH' display for 4<sup>th</sup> grader's Rendezvous, Lewiston – May 17<sup>th</sup>

Job shadow program, Sacajawea Junior High, 1 student – May 19<sup>th</sup>

UI Biological Sciences photographer at Lower Granite Dam kelt tanks for prospective student department brochure – May 24<sup>th</sup>

**Budget/Personnel**

Forklift certification training (two technicians) – May 22<sup>nd</sup>

Received draft contract back from CRITFC for 2013-14 Snake River Kelt Recondition – May 24<sup>th</sup>

## Information and Education Corner

### *Dworshak*

May Stats: Tours-1, 35 people; Register- 450 visitors from 10 states; Volunteers- 2 Hours-4; Website visitors- 495; Blog Visitors- 707 from 10 countries!

#### On Site:

- [The Fish Ladder: Notes from Dworshak Fisheries Complex](#) had four posts this month. More than ever, your contributions are needed and comments are always welcome!
- The Dworshak Fisheries Complex Facebook page finally reached the 100 like milestone. I have been able to increase our posts to at least two daily. If you visit facebook, take a minute to look at the page: [Dworshak Fisheries Complex](#), and like us!
- Angela Feldmann met with Tod Sween for a Kids' Fishing Day planning meeting.
- Volunteers were contacted for tours
- Updated Dworshak web page

#### Off-site:

Angela Feldmann presented a fish dissection at Clearwater Valley Elementary School- 60 students

Jeremy Sommer presented at Hatchery in the Classroom fry releases for Cottonwood and Craigmont Elementary Schools-45 students

Angela Feldmann and Jeremy Sommer lead the "Find Your Salmon Water Address" activity at the Lewiston/Lapwai schools Hatchery in the Classroom release event-250 students

Casey Mitchell and Angela Feldmann lead the Fisheries section at Nez Perce Soil and Water Conservation District's Environmental Awareness Days in Lewiston-300 students

Kid's Fishing Day was held at Tunnel Pond May 18<sup>th</sup>- 95 registered attendees

Veteran's Fishing Day was held at Tunnel Pond May 20<sup>th</sup>- 12 Veterans from the Lewiston Veterans Home fished

### *Kooskia*

Visitors to Kooskia National Fish Hatchery have increased with the warmer weather. As counted by staff there were 455 visitors. Visitors have increased with anticipation of returning Salmon.

May 20: Four classes from local schools arrived for a tour of the hatchery in cooperation with the Forest Service.

May 28: Two classes from local schools arrived for a tour of the hatchery in cooperation with the Forest Service.



**Fish On! At Kids' Fishing Day.**

**Credit: Angela Feldmann/USFWS**

**"There were 95 registered attendees at Kids' Fishing Day."**



**Kids displaying their "flies" made at Kids' Fishing Day**

**Credit: USFWS**



## Idaho Fish Health Center

### Complex Hatcheries

**Kooskia:** Guppy visited Kooskia on 5/24 for SCS monitoring exam. Low levels of the parasite *Sanguinicola* were noted on the gills. No reportable pathogens detected.

Rick and Liz sampled (non-lethally) adult spring Chinook salmon collected from the trap at Kooskia National Fish Hatchery on May 28 for IHNV for a study project to determine the numbers of returning adults that have IHNV in the river and if the numbers of positive adults increases during holding until testing at spawning. Also the genotype of this virus will be determined for epidemiological tracking.

**Dworshak:** Rick monitored BY12 juvenile spring Chinook salmon mortality in the A bank raceways during May which has been significantly higher than mortality during the same period last year for BY11. Though a specific pathogen has not been detected, gills from moribund samples collected were pale and severely hyperplastic. Kidneys are also pale indicating that they are anemic. Diagnostic screening will continue to determine the cause for the increased mortality.

Rick reviewed the study proposals for spring Chinook salmon rearing in Burrows ponds and raceway low flow versus high flow suggesting that the fish health monitoring be consistent with the proposed density study. He also prepared various fish health monitoring costs for all three studies.

Corie, Liz and William Coomer (NPT) worked together to capture five SCS that were observed in the headboxes of A bank raceways. Trychophyra was observed on the gills and light levels of *R. salmoninarum* were detected by FAT in the kidneys. Virology samples are still pending. More fish were seen but could not be captured.

Guppy provided fish health report for the SCS BY 2006 report as requested by the Idaho Fisheries Resource Office.

Rick and Guppy participated in SCS HET meeting on 5/23.

**Nez Perce Tribe:** FCS: Liz, Chelsea, and Laura performed a pre-release inspection for sub-yearling fish held at NPTH for direct release.

**Bacteriology:** DFAT was run on the SCS found in the head boxes of A-Bank raceways. Light *Renibacterium salmoninarum* (causative agent of BKD) was found. Five diagnostic bacterial cultures were run this month.

**Virology:** Corie ran a total of 83 samples representing 262 fish from Dworshak NFH, Nez Perce Tribal Hatchery, Kooskia NFH, Washington Department of Fish and Wildlife, Kootenai Tribe of Idaho and the Wild Fish Health Survey. Corie ran 119 blind passes representing 338 fish from Dworshak NFH, Nez Perce Tribe FCAP, Nez Perce Tribal Hatchery, and the Wild Fish Health Survey.

**PCR:** 100 adult steelhead trout fresh from the Clearwater River Take 1 – 4 at Dworshak NFH were screened for Infectious Hemorrhagic Necrosis virus (IHNV) using protocols for a real time reverse transcriptase PCR developed by the USGS Western Fisheries Science Center. One low positive adult was detected from take 2. Samples were also screened for IHNV by cell culture to compare results. The real time PCR screening technique is being evaluated to determine if results are comparable to cell culture results. An advantage to PCR is that viral RNA or DNA can be determined in samples in as early as two days after samples are collected. (Rick)

**Wild Fish Survey:** Laura continued to work with IDFG, AVISTA, and Montana with the Cabinet Gorge fish passage issues. No pathogens were detected, and a summary report was submitted to Montana so that a transport permit could be issued.

Laura worked on getting letters of support for the National Wild Fish Health Survey from our cooperators and supporters to send to the WO and ARDs. With the recent changeover in RO and WO staff, there appears to be low levels of support for the program internally and funding may be cut in the near future. Even if the funding for the Survey is terminated, the data collected for our partners over the last 17 years needs to be made available and maintained in the future. Laura requested an “emergency” UAT call to discuss the future of the WFS and the database. Currently the database management has been turned over to ECOS. ECOS has exhausted all funds to continue upgrading/development of the NWFHS database. They also are out of funding to maintain and upload data to the public database.

Laura, Chelsea and Rick completed the mandatory FWS-CSP2202-OLT-Electrofishing Safety (Formerly FIS2202) class at DOI Learn. Laura completed the AFS Power-Based Standardization in Electrofishing Webinar (4 hour on-line class, as per policy). Laura Started NCTC Course FIS2c01 through DOI Learn: “Principles and Techniques of Electrofishing” as per USFWS policy to remain a Team Leader for Electrofishing activities, FWS employees must complete the class every five

*(Continued on page 11)*



Mixing paint for the Raceway project

Credit: Nate Wiese/  
USFWS

**“Work on  
Degassing  
Towers at  
Main Aeration  
continued in  
May.”**



Craning parts up to main aeration for degassing project

Credit: Nate Wiese/  
USFWS

## Maintenance & Operations

### *Dworshak*

#### May maintenance activities included:

Replaced Mechanical 1 Boiler #1 Circulating Pump #1

Warehouse West - Replaced Overhead Doors

Feed Building - Replace Overhead Door

Maintenance Shop - Replace Overhead Doors

Hyster Forklift - Install Fire Extinguisher

Main Aeration Chamber - Replace Sump Pump

Visitor Use Area - Mens Restroom - Repair Partition

Nursery - Dimmer - 200 wt bulb broke off in socket over tank 209 A Bank

Gantry Crane Inspection Follow Up -Replace pendant control

House #2 - Repair damaged window screens and screen door

House #2 - Repair HVAC Leak - Under rear steps in flower bed.

House #2 Installed new smoke detector.

House#2 Constructed partition wall in basement.

Trim Shrubs - Adjacent to IFRO Office

House #2 - Dryer Plug - Inspect and Repair - Arc Damage

System 1 and 2- Construct Screen to Capture Coch Rings

House #2 - Clean and Repair - Basement, Gar-

age, Wood Shed -

Cushman Cart 1 Janitorial - Replace Batteries  
Removed Perf Pipe from System II Biofilter

Mech II Nursery Supply pump to Jetco for repair.

Removed Remaining media from System II Biofilter.

Replaced Laboratory HVAC compressor.

Fish Ladder - Sampling Access - Cut Grate and Fab Cover so NPDES Samples can be Obtained

Main Hatch Bldg - Visitors Restroom - Repair Urinal - Leak

System 1 and 2- Flush Header Pipes

House #2 - Misc Repairs - Bedroom 1 Window - Shower Head – Sliding Glass Door Lock

Service Chevy Trailblazer 2005

Sun Pest sprayed weeds

Contracted Work on Degassing towers at main aeration continuing.

Holding Pond Gate cylinders removed for repair and or replacement.

Annual Power Outage conducted May 22nd.

Installed Current Transformers on HCQ1.

Forklift Training for all Staff.

Working on Chiller #2 Installation.

Repairing irrigation Sprinklers.

Set up picnic Tables for Open house

Installed stove Breaker in Lab Building.

### *Kooskia*

May 6: Hatchery staff began power washing the burrows ponds in preparation for moving our 2012 Chinook from the rearing tanks to the burrows ponds.

May 9: The fish monitors for the Nez Perce Tribe arrived today, they will be assigned to Clear Creek to monitor and count the number of Spring Chinook taken by tribal members, and they will be staying at Kooskia hatchery until August.

May 14: Staff repaired panels and stand pipes in burrows ponds.

May 20: Jill Olsen arrived at the hatchery to assist Kenny in measuring well water for super saturation of gasses. These measurements were taken at the mixing chamber, the bio filter and three outside rearing tanks, it was determined that there is a gas problem with in our well water. This problem seems to affect the smaller and young fry and seems to have less of an effect as the fish grow bigger and stronger. Staff is discussing installing degassing towers above the rearing tanks for next year.

May 23: Well # 5 was turned on and the Obermeyer weirs were raised as more water is required to fill the burrows ponds in preparation to move the fry from the outside holding tanks to the burrows ponds.

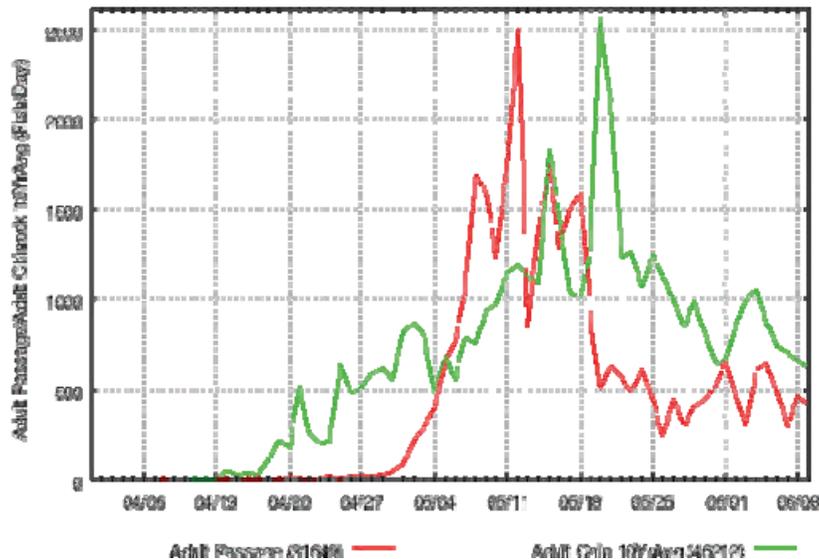
## Idaho Fisheries Resource Office

We continue to track the run of Chinook salmon into Columbia and Snake rivers. Early in the month the run appeared to be about two weeks late. The counts have come up at Lower Granite Dam but are still currently about 15,000 below the 10-year average for this time of year. The recent estimated return to Dworshak NFH is between 2,000 and 2,500 adult spring Chinook salmon.

Other ongoing activities; Carrie Bretz and John Hook continue to man the screw trap on Clear Creek. They have collected and PIT tagged around 300 juvenile steelhead and Chinook salmon so far. We have received permission to hire a fisheries technician to assist with this work in the near future. Budgets were developed and submitted for 2014.

Ray Jones and Hook are initiating a study with mountain white fish in the upper Clearwater River. The goal is to assess effects of climate change on white fish populations in the region.

Chris Peery will be working with USGS to investigate downstream migration of juvenile Pacific lamprey in the Columbia River.



Chris Peery will be working with USGS to investigate downstream migration of juvenile Pacific lamprey in the Columbia River.

Aaron Garcia was in Hawaii conducting a class on open water boat handling.

Meetings attended:

Bretz participated in workgroup to develop the new hatchery database software (FINS) in Boise.

Peery and Jones met with the Coeu d' Alene Tribe to discuss restoration of Hang Man Creek for redband trout. They also met at the University of Idaho to discuss ongoing burbot conservation efforts.

Peery went to Boise to participate in the steelhead run reconstruction workshop and he also participated in the monthly Regional climate Board meeting.

Jody Brostrom hosted a web/teleconference to organize managers and researchers to implement the Pacific Lamprey Conservation Initiative for the Snake River Basin.

Mike Faler attended the Fisheries/National Wildlife Refuge annual coordination meeting at the Vancouver Fish Program Office, and Columbia Basin Coordinated Assessment Workshop in Portland.

## Manager's Message....

*(Continued from page 1)*

ty. It is striking to see the blend of original equipment and new technology, married together to meet the goals and objectives of the program. This is a testament to the dedication and flexibility of the past and current staff at DNFHC, adapting the facility as the program has grown and changed.

All these water types are routed, mixed, treated and discharged to meet the needs of our massive fish production program. And each of these treatments involves highly-technical mechanical and electrical systems, and operators to make them work. The "operators" are you, the folks who work at this facility, keeping the fish happy and the systems running. I guess the point of this month's message is that I'm happy to be a part of your team, and impressed by the complexity of the physical plant that is DNFH. As I move through my assignment here, I'm looking forward to working with all of you, and learning more about how you operate and maintain this critically important fish hatchery.



**Veterans' from Lewis-  
ton Veteran's Home  
fishing at Tunnel Pond**

**Credit: Angela Feld-  
mann/USFWS**

**"Virkon  
Aquatic has  
been "saved"  
and will still be  
available for  
purchase from  
Western  
Chemical."**



**Pumping down the  
point pond**

**Credit: Nate Wiese/  
USFWS**

## **Meetings....Training....Travel**

### ***Dworshak***

4/30th -May 1: Marc Garst, Irrigon State Fish Hatchery Manager and Roy Skendzel, Maintenance/Electrician at the Irrigon State Fish Hatchery toured the Dworshak and Clearwater Fish Hatcheries and coordinated with Jack Christiansen on some potential improvement and solutions for improved operations.

5/7: the Dworshak Complex staff and the Clearwater Fish Hatchery crew took time to enjoy an on-site barbecue to reflect on the past year's accomplishments, relax, talk, laugh and share a meal. We should do this more often!

5/13: Dworshak bridge demolition conference call. The bridge is still scheduled for demolition in December, 2013 following the completion of Coho spawning. The Corps is planning to award the construction contract in October.

Genny West and Hui Tran from Pentair toured the facility and gathered information to develop options for circular reuse. Pentair does more than pumps these days following the purchase of Aquatic Ecosystem Incorporated last year. Genny plans to return in July along with an engineer to look at some potential modifications they can make to their pump/motors for easier installation.

5/22: Crew in need of Forklift Training and/or Re-certification completed training provided by Robert Little, Mid-Columbia River Complex and Randy Aulbach, Deer Flat National Wildlife Refuge. Additional participants from the U.S. Forest Service also received the training certification. The maintenance staff was re-certified on the backhoe during this training as well.

The majority of the staff attended "Cultural Training" at the Pi Ne Waus Community Center in Lapwai, Idaho during the month. The training focused on some of the background of the Nez Perce Tribe and tribal culture, the legal history and the various treaties dating back to 1855. Perce Tribe,

5/24: Speros Doulos wrapped up his 120 day assignment as the Acting Complex Manager

### ***Kooskia***

5/22 & 5/29: Stacy Springer with HDMS came to Kooskia Hatchery to train hatchery staff on compiling data on the Chinook that are taken from the trap, usage computer programs and uploading it to the central data center.

## **Administrative Activities**

### ***Safety***

The Dworshak safety committee met on May 22 and did a walk through of the facility listing safety concerns.

### ***Personnel Actions***

C. Weeks: TOD change effective PP2013-13

FRO: Tentative job offer to temporary BioAid candidate, no official response to date

DNFH: Rec'd certification list of two candidates for temporary Animal Caretaker, selection to follow

## Idaho Fish Health Center

(Continued from page 7)

years.

Two cases of totaling 90 kokanee salmon for the FY2013 Wild Fish Health Survey, collected by the Idaho Game and Fish from Dworshak Reservoir were screened for *Myxobolus cerebralis* by pepsin-trypsin digest. All samples were negative. (Rick)

**Other:** Guppy, Corie, Chelsea, and Kent Hills taught two 5th grade science classes on fish anatomy and dissection at the Kamiah Middle School. The Clearwater State Hatchery graciously provided 25 rainbow trout to be used for the educational classes.

Laura and Guppy have been requesting permission to use instructor presentations from past sessions of the FWS "Introduction of Fish Health" course, and Laura has been working with NCTC to request approval for the class to be taught over a period of weeks through NCTC's support. Laura is still working out the details.

Laura participated in biosecurity related calls. Virkon Aquatic has been "saved" and will still be available for purchase from Western Chemical.

Due to conflict with field sampling class, Guppy participated on an AFS Bluebook committee call for Laura.

Laura began mentoring/teaching an independent studies student from the Northwest Indian College. Brent Broncheau learned about basic fish culture, stress, and basic fish anatomy and necropsy. Brent will continue to spend time in the lab over the next few months.

All Idaho FHC staff participated in the bi-weekly Region 1 fish health conference calls hosted by Andy Goodwin and submitted biographies to Andy for updating the FHC website. Guppy attended the national FHC call hosted by Joel Bader, National Aquatic Animal Health Coordinator, on 5/6.

Guppy participated on the Region 1 project leader conference call on 5/13 and attended the FBMS calls on 5/8 and 5/22. Guppy attended the Employee Assistance Program webinar on "Preventing Workplace Violence" on 5/15.

Guppy updated the Annual Work Plan for fish health services provided by the Idaho FHC for the Corps of Engineers for 2014. Guppy met with Steve Yundt of the LSRCP office to discuss budgets and fish health components of study proposals for Dworshak SCS and Hagerman steelhead on 5/16.

Guppy participated on Region 1 FHC call hosted by Andy Goodwin concerning the best way to provide veterinary services to Lower Columbia River FHC on 5/18.

Rick and Guppy assisted with the Free Fishing Day on May 18.

Corie attended virus seminar in Olympia, WA given by the Western Fisheries Research Center on 5/29. Guppy and staff listened in by phone as available.

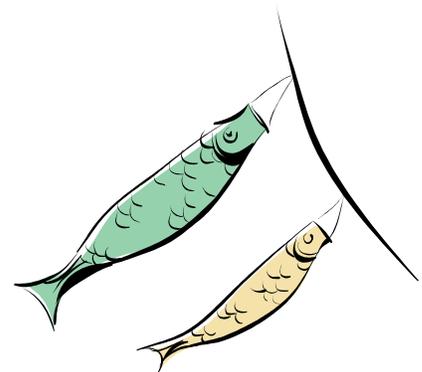
## Staff Service Anniversaries and Birthdays

### May Birthdays

Mark Drobish  
Carrie Bretz  
Marilyn Blair

### Years of Service

Wayne Hamilton– 13 years  
Aaron Garcia– 16 years



## Staff List

### Complex Management

Speros Doulos, Acting 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, Rick Allain,  
Rob Bohn, Wayne Hamilton, Tom Tighe

### Nez Perce Tribe Production Program

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

### Administration

Penny Hasenoehrl, Steve Bradbury

### Maintenance

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

### Idaho Fish Health Center

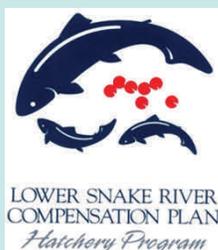
Dr. Marilyn Blair, Liz Steiner, Laura Sprague,  
Corie Samson, Rick Cordes

### 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

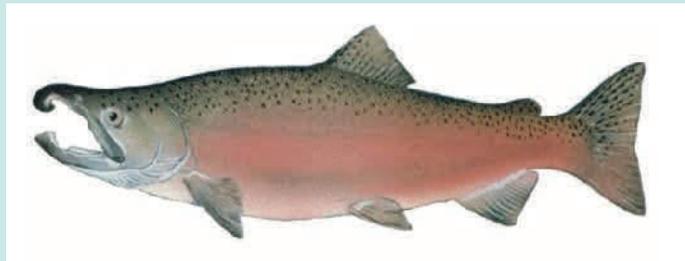
### Kooskia National Fish Hatchery

Kent Hills, Art Broncheau, Kenny Simpson,  
Gerry Fogelman



Nez Perce Tribe and Dworshak Fisheries Complex staff.

*Credit: Mark Drobish/USFWS*



### Parting Shot



LouAnn Lasswell and Casey Mitchell assist staff from Clearwater Fish Hatchery with steelhead egg out plants in the North Fork Clearwater River.

*Credit: Jill Olson/USFWS*