



United States Department of the Interior



FISH AND WILDLIFE SERVICE

Hagerman National Fish Hatchery
3059 D National Fish Hatchery Road
Hagerman, Idaho 83332

MEMORANDUM

October 14, 2010

TO: ARD-Fisheries
Attn: Rich Johnson, Field Supervisor

FROM: Nathan Wiese, Acting Project Leader, Hagerman NFH

SUBJECT: September Activity Report

PRODUCTION

Steelhead Brood Year 2010

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb)	Length (inches)
131	Sawtooth	1,186,814	24,153	49.1	3.80
132	East Fork Hatchery	165,099	3,053	54.1	3.68

The Pacific States Marine Fisheries Commission marking crew coded-wire tagged the remaining East Fork Natural fingerlings on September 1st. Inventory numbers were adjusted to match final marking numbers.

Three weeks after marking, the Hatchery noticed Furunculosis like lesions in raceway 37 (upper deck). Raceway 37 was the first group completed by the marking crew. To limit downstream exposure, the staff moved all the fish from Raceway 37 to raceway 101 (third-use water) on September 9th. The staff also sent live samples and bacteria plates to the Idaho Fish Health Center. Idaho Fish Health Center confirmed a *Aeromonas salmonicida* (Furunculosis) epizootic on September 14th and the Hatchery started Aquaflor medicated feed treatment on September 16th. Mortality in raceway 37 from the Furunculosis epizootic was 10%. The Aquaflor treatment was successful in reducing daily mortality to 0-1 fish per 20,000 after the 10-day treatment.

Unfortunately, raceway 37 was not moved soon enough and the majority of raceways in the middle and bottom decks were exposed to *Aeromonas salmonicida*. The Hatchery continued to send numerous samples to the Idaho Fish Health Center during September and has treated 40 of 43 downstream raceways with Aquaflor to control mortality. To date, none of the other first-use water raceways (38-58) have become infected.

The Hatchery is discussing vaccination for *Aeromonas salmonicida* in Brood Year 2011 since BY2010 marks the fourth outbreak in 3 years on the facility.

Corie Samson, Idaho Fish Health Center, took monthly fish health samples on September 30th.



← Examples of Furunculosis lesions

Rainbow Trout

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb)	Length (inches)
130	Hayspur	41,379	16,060	2.6	9.38

The Dworshak Mitigation Rainbow trout are scheduled for release at Arrowrock and Chesterfield Reservoirs the first week of October. Fish health remains excellent and survival is above 95%.

OPERATIONS:

The Hatchery hosted a tour for Robyn Thorson, Regional Director, and staff from the Boise Ecological Services along with Jeff Underwood, Deputy Assistant Director for Fisheries and Habitat Conservation. The tour focused on the declining aquifer issues in the Eastern Snake River Plain Aquifer.

Nathan Wiese, Assistant Project Leader, and Steve Money, Maintenance Mechanic, hosted a facility tour for Larry Peltz, Project Leader, and Jack Christiansen, Aquaculture Engineer, from Dworshak National Fish Hatchery. The tour focused on challenges faced at the Hatchery as water supplies continue to dwindle. Jack followed-up the tour by reviewing the Hatchery’s nitrogen supersaturation data and brainstorming possible monitoring and modification solutions. The Hatchery is thrilled to have Jack as a resource for the Region and looks forward to exploiting his expertise in the future.

Brian Clifford, Motor Vehicle Operator, moved several marking trailers from the Hatchery and Magic Valley Fish Hatchery to Niagara Springs Fish Hatchery for the Pacific States Marine Fisheries Commission crew.

PERSONNEL/TRAINING/SAFETY

Jeremy Trimpey, Fish Biologist, lead safety training on fire extinguishers and tick-transmitted diseases.

Adam Leija, Fish Culturist, assisted with Tule Fall Chinook spawning operations at Spring Creek National Fish Hatchery. We're glad he decided to come back and work with the "little fish"!



FCS from Spring Creek

Bryan Kenworthy, Project Leader, is still recovering at home from back surgery. The Hatchery expects him back sometime in early November. However, with advent of modern technology at the Hatchery, his recovery time is still plagued with email and phone calls.

The Hatchery worked with a vendor to replace outdated supplies and manuals in the numerous First Aid kits around the station. The Hatchery unearthed one unopened First Aid kit in the maintenance truck from 1962!

Jeremy Trimpey and Miranda Bernier announced their engagement and wedding plans for July 2011. Congratulations to the new couple!

The Idaho big game season kicked off with several archery and early rifle seasons. Some of the crew even harvested animals!



Jeremy Trimpey



Miranda Bernier



Nathan Wiese

OUTREACH

The beginning of the school year brought a huge response from Idaho School Districts both near and far who want to take advantage of the CPWN grant funding offered to reimburse field trip bus expenses. The word has spread, and schools from over 200 miles away are trying to arrange field trips to the Hagerman Valley. Our success in advertising resulted in something we didn't expect...high schools looking to deepen their geology and science based knowledge which fits

well into the dynamics of the program. The Hatchery has seldom hosted high school age students and have maintained a focus on the elementary curriculum. Now we are concerned that we might attract more tours than we can accommodate. Only time will tell, but we are initiating some program restrictions to assure the funding is spread as far and fairly as possible.

The Hatchery had 8 guests and 236 people sign the registry. Five tours were conducted with 239 students and 40 adults. Total visitors were 523.

MAINTENANCE

- Vendor repaired emergency brakes and master cylinder on the flatbed pickup
- Vendor delivered new Kubota lawn tractor
- Replaced emergency air line on semi-tractor
- Completed bacteria test of domestic water system
- Reset voltage controller at security gate
- Serviced F-250
- Excavated and removed 6" valve on irrigation/heat pump/fire suppression line and welded in new 6" resilient wedge valve
- Installed explosion relief washers on flammable storage building
- Removed broken valve on 10D and replumbed to 10C valve on RV Pads sprinkler system
- Welded bracket on new 24 volt photovoltaic panels and installed on security gate motor batteries
- Removed old 3" valve on tank fill pipeline and replaced with resilient wedge valve
- Trimmed evergreen bushes around flagpole light and cleaned lens
- Changed all furnace filters
- Cleaned sand filter on Hatch 1 heat pump line
- Installed new parts in Visitor Center men's urinal



New Kubota Lawn Tractor



Steve Money replacing 6" valve