



United States Department of the Interior



FISH AND WILDLIFE SERVICE

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

MEMORANDUM

July 16, 2013

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

FROM: Craig Eaton, Project Leader, Hagerman NFH

SUBJECT: JUNE, 2013 Activity Report

PRODUCTION

Steelhead Brood Year 2013

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb.)	Length (inches)
140	Sawtooth	1,471,464	1,116	1,318	1.27
141	East Fork Hatchery	67,066	17	4,000	0.88

The Hatchery received the last of its Brood Year 2013 steelhead eggs on June 20th. This gives the Hatchery a total of 1,376,677 eggs destined for the Sawtooth Weir; 139,998 eggs destined for McNabb Point; and 69,182 eggs destined for the East Fork Weir for a grand total of 1,585,857 eggs.

Sawtooth Lot 6 was set aside for a Hagerman Hatchery Evaluation Team approved feed study. Three feed brands will be evaluated to include Skretting, Bio-Oregon, and Rangen. Three tanks of approximately 30K fish will be used for each feed. This study will continue throughout the production cycle until fish are switched to demand feeders (usually sometime in late November/early December). The Hatchery will evaluate overall conversion, growth, survival, and cost of production.

Rainbow Trout Brood Year 2013

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb.)	Length (inches)
139	Hayspur	40,429	3,145	13	5.49

The Hatchery released 97,998 five-inch fingerlings into Salmon Falls Creek Reservoir on June 25th and 26th. Hauling went very well. The remaining 40K fingerlings were split into four

raceways for grow out. The Hatchery will stock these fish in mid-October as nine-inch catchables. Overall survival for the rainbow trout is 96.54%.

OPERATIONS

- In June, the Hatchery quarters and administration building had annual spider spraying accomplished inside and out. We tried a new PUP called EcoPCO WPX. It is supposed to be more eco/environmentally friendly and be able to work as well as the chemical we are replacing which was a restricted use pesticide.

-A long overdue tree removal at Quarter #6 was accomplished in June. The tree in question was in the middle of the driveway that accesses the carport. Two other trees that had insect damage were also removed between Quarters #6 & #7. Next month we hope to contract services for a new driveway that will enable Quarter #6 residents to utilize the carport normally.

- Hagerman NFH Aquaculture Pilot Project is forging ahead with a design for a three, 30-foot tank reuse system. June conference calls have enabled the contractor to push ahead with a 60% design.

-Project Leader Eaton was selected as a member of the Reuse Evaluation Group Charter. The team is to investigate the advantages, disadvantages, efficiencies, or problems that might be encountered by the use of recirculating aquaculture systems. Their mission will be to scientifically determine if, or how, this technology should be implemented and evaluated in Region 1.

-Project Leader Eaton attended the monthly Project Leader conference call. Topics discussed were: 1) Circular tank reuse charter of which Eaton is now a member; 2) FONS, FIS and Website updates; 3) FY2013 budget.

-Hagerman NFH is in a unique position to be able to offer on-the-job training to Shoshone-Bannock Tribes personnel. Funding was made available to the Tribe from the Fish and Wildlife Service for training. The Shoshone-Bannock Tribes recently graduated two Tribal members from the College of Southern Idaho Aquaculture program. The Tribe will be building and operating a new fish hatchery called Crystal Springs Hatchery located near American Falls Reservoir in 2015. Having trained and experienced personnel prior to the hatchery being built will help get this new hatchery get off to a good start.

PERSONNEL/TRAINING/SAFETY

June 25- Project Leader Eaton and Asst. Project Leader Turik attended Tribal Trust training in Boise. They were instructed on topics of: Tribal relationships with the current Administration and Congress, Summary of Executive Orders, Intro to the History of Federal Indian Law, past and current Fish and Wildlife Service relationships with Tribal Governments, and consultation with Tribe on Natural Resource issues.

COORDINATION

The Hatchery assisted the Idaho Department of Fish and Game with draining Oster Lakes Ponds #2 through #5 for Carp eradication. Hagerman NFH contributed two employees, including our backhoe and backhoe operator, to install a drainage pipeline. The Hagerman NFH obtained archeological clearance and assisted with the installation of the permanent drain line at Oster #1. Normally, the water flows through Oster Lake #1 into #2-5. The new drain line allowed us to maintain flow into Oster #1 then divert water through the new line instead of into lakes #2-5. This resulted in the ability to drain lakes #2-5 while maintaining full flow to Oster#1 while maintaining suitable temperatures for continued trout stocking by IDFG. This pipeline will enable IDFG to conduct similar pond cleaning efforts in upcoming years with little to no impact on Oster #1, which is the primary fishing pond.



OUTREACH & VOLUNTEERS

-Project Leader Eaton is on the local committee for the first annual Bird Festival to be held in the Hagerman Valley. These meetings are held monthly to organize the event for FY2014.

-The Idaho Aquaculture Association Annual Meeting was held June 8, 2013. Project Leader Eaton presented *New Technology at Hagerman NFH*. He discussed the newly installed degas units on Spring 13 and Main Spring; the oxygen tower installation to supplement oxygen in raceway banks B and C; and the proposed hatchery reuse system utilizing circular tanks and Spring 17 water. All went well and the audience of over 100 people seemed interested in the presentation, especially the reuse.

-Free Fishing Day was held at the Hagerman State Hatchery. Most of the crew at Hagerman NFH participated. There were 704 kids that registered for the event. Related activities were available for kids to do in addition to fishing such as: fish printing, photo and certificate of fish caught, casting clinic, Boy Scouts serving lunch, and prizes such as fishing rod-&-reel packages.



Starting in June, we had a new volunteer begin work with us. Kayte Munson comes to us from the state of Washington. She graduated from Washington State University this year with a degree in Wildlife Ecology and is living in Jerome, Idaho with her fiancé. Kayte has been a great help with the fry in the nursery and is up for whatever task we need done without a complaint.

-The Hatchery's outreach program saw 7 group tours and 2 off-site activities this month. Additionally, we had 8 guests and 412 people sign the guest registry for a grand total of 1,406 June contacts.

Volunteer Hours: 284 (Esslingers & Munson)

Hatchery Contacts/Visitors : < **16yrs** = 649 >**16yrs** = 757

MAINTENANCE

- Installed steel plate and anchored to mixing chamber walls for new Variable Frequency Drive (VFD) Pump
- Weld in pipeline for VFD pump
- Trenched through pasture for new pipeline for VFD pump
- Weld fittings for pressure transducer for VFD pump
- Cut existing 8-inch line and plumbed 8x8x6 tee to attach new pipeline for VFD pump.

All the above was done to prevent our irrigation water from dewatering Spring 13. Spring 13 is used for irrigation, nursery water for hatch house #2, supplemental nursery water for hatch house #1, and heat pump water for several buildings on hatchery grounds. Moving the irrigation water to the mixing chamber allows for more water without dewatering the Spring 13 vault and yet keeps us within our water permit limitations.

FACEBOOK - VISIT AND "LIKE" US AT:

<HTTPS://WWW.FACEBOOK.COM/PAGES/HAGERMAN-NATIONAL-FISH-HATCHERY/403395333013900>