



United States Department of the Interior



FISH AND WILDLIFE SERVICE

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

MEMORANDUM

January 2, 2015

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

FROM: Craig Eaton, Project Leader, Hagerman NFH

SUBJECT: DECEMBER 2014 Activity Report

PRODUCTION

Steelhead Brood Year 2014

Lot Number	Stock	Number Fry	Total Fish Weight	Size (#/lb.)	Length (inches)
143	Sawtooth	1,476,978	96,888	15.24	5.62
144	East Fork Hatchery	61,508	3,618	17.00	5.42

The BY2014 steelhead are doing very well with an overall survival rate of 99.88% since last month. The final formalin treatment for the outside steelhead occurred on December 3rd. The Idaho Fish Health Center (IFHC) did not find presence of *Ichthyophthirius multifiliis* (Ich) on December 16th when they were here for our routine monthly fish health inspection. IFHC will be monitoring for Ich during our remaining fish health inspections until release to determine whether the Hatchery will need to administer any additional formalin treatments. The Hatchery staff performed a three-day potassium permanganate (KMnO₄) treatment of three raceways for skin sloughing related issues.

The Hatchery also transitioned from hand feeding the steelhead raceways to the CalbeVey and demand feeders. The smolts were fed twice a day while hand feeding, compared to being fed twice a week with the demand feeders.

Rainbow Trout Brood Year 2015

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb.)	Length (inches)
145	Hayspur	23,870	89	268.2	1.99
146*	Hayspur	109,696	27		

*Lot 146 reflect egg numbers only

Lot 145 rainbow trout are continuing to do well with a survival rate of 99% from last month.

The Hatchery received 109,696 triploid Hayspur rainbow trout eggs the last week of December. These fish will be held on station until May, in which time they will be released as five-inch fingerlings.

OPERATIONS

- Construction on the Riley Creek Bridge replacement is progressing despite the colder temperatures. The west side of the bridge will be constructed first allowing traffic to utilize the existing bridge. Once that is completed, the existing bridge will be demolished and rebuilt with traffic utilizing the newly completed side.

- Idaho Groundwater Appropriators, Inc. (IGWA) pipeline mitigation to Rangen fish hatchery is moving at a quick pace. The pipeline is in the ground and the contractors are working on the pipe that comes from SeaPac's Magic Springs Hatchery water source to above the rim.

PERSONNEL/TRAINING/SAFETY

- Project Leader Eaton attended the Regional Fishery monthly conference call. Topic discussed: 1) Highlights from national Fishery Management Team Meeting in Sacramento; 2) ARD Elicker will be traveling to Idaho to visit Hatcheries the week of Jan. 12, 2015; 3) Assigning hatchery data stewards, per Regional policy.

-Project Leader Eaton and Maintenance Mechanic Money attended the North West Fish Culture Conference near Pendleton, Oregon at the Umatilla's Wild Horse Casino. Eaton presented the recently built Reuse Aquaculture System, what it will do and what it looks like.

-Assistant Manager Turik assumed the Acting Hatchery Manager position at Little White Salmon NFH in Washington on December 29th for a 30 day detail.

COORDINATION

- Maintenance Mechanic Money gave a tour of the facility to Ms. Lyn VanSchoiack and Mark Luper from Garden Creek Farms near Challis, Idaho. They have a RAS system similar to ours and wanted to see how our RAS system operates compared to theirs.

-A conference call was set up with Pentair representatives to discuss the RAS dissolved oxygen probes and the remote interface units (RIU) that seem to be operating improperly. They gave us

possible solutions and decided to replace the existing RIU's and O₂ probes if we would connect them to our system.

- Gary Burn, Program Coordinator from IDF&G HQ and Bob Becker, Manager Nampa Hatchery IDF&G, visited Hagerman NFH to examine our raceway pressurized oxygen tower system. Nampa Hatchery is thinking about supplementing O₂ there and wanted to look at how our Pentair system operates.

-The wood chipper was loaned out to Columbia River Refuge in Washington. Brandon Loose, Assistant Fire Officer, needed the chipper to clean up cut brush and trees.

OUTREACH & VOLUNTEERS

- The Hatchery provided a tour for 16 students and one teacher from Sage International Charter School from Boise, ID.

13 students and three adults from a Hagerman 4-H group were provided a tour for their "Wildlife Evaluation Program". They of course came to see fish and to search the hatchery grounds for other animals like rabbit, duck, geese and animal tracks.

Volunteer Hours: 2
Hatchery Contacts/Visitors: < 16yrs = 53 >16yrs = 44

MAINTENANCE

- Wired in new Radio Interface Units and new oxygen probes for RAS building and calibrated
- Installed new LED motion detecting outdoor lights on shop building and the 4 residences
- Built stainless steel sideboards for LHO in RAS building
- Excavated and repaired 4 inch injection line for the oxygen injection system on steelhead raceways.
- Riley Creek bridge replacement inspection
- Adjusted alarm and control set points for RAS oxygen system
- Activated second pump in RAS building and matched Spring 17 flow to total 1600 gpm

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