



United States Department of the Interior



FISH AND WILDLIFE SERVICE

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

MEMORANDUM

March 4, 2011

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

FROM: Bryan Kenworthy, Project Leader, Hagerman NFH

SUBJECT: February Activity Report

PRODUCTION

Steelhead Brood Year 2010

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb)	Length (inches)
131	Sawtooth	1,176,091	196,896	6.0	7.68
132	East Fork Hatchery	162,618	24,592	6.6	7.42

The steelhead broke in February with a similar skin sloughing issue as observed during Brood Year 2009. Similar to last year, smolts exhibited a bluish haze around the dorsal and adipose fin areas followed by skin sloughing and exposure of underlying muscle. A combination treatment of salt and potassium permanganate has controlled the outbreak to this point with mortality at 0.51%.

Smolts with skin sloughed lesions were preserved and sent to the Idaho Fish Health Center for histology diagnostics. Results from those diagnostics ruled out steatitis, but confirmed sunburn. Samples from feed delivered to the Hatchery in January were sent to Abernathy Fish Technology center for rancidity, vitamin E, and niacin analysis; all results were within acceptable levels. Samples of smolts with the skin sloughed lesions were sent to Ann Gannam, Abernathy Fish Technology Center, for fat analysis.

Smolt with skin sloughed lesion →

Doug Ramsey, Rangen Aquaculture Research Center, stopped by the Hatchery and sampled a few smolts with the



skin sloughed lesions. His diagnostics found a large amount of gas bubbles in the gills and cold water disease. The smolts are currently on a 10-day Aquaflor treatment for cold water disease.

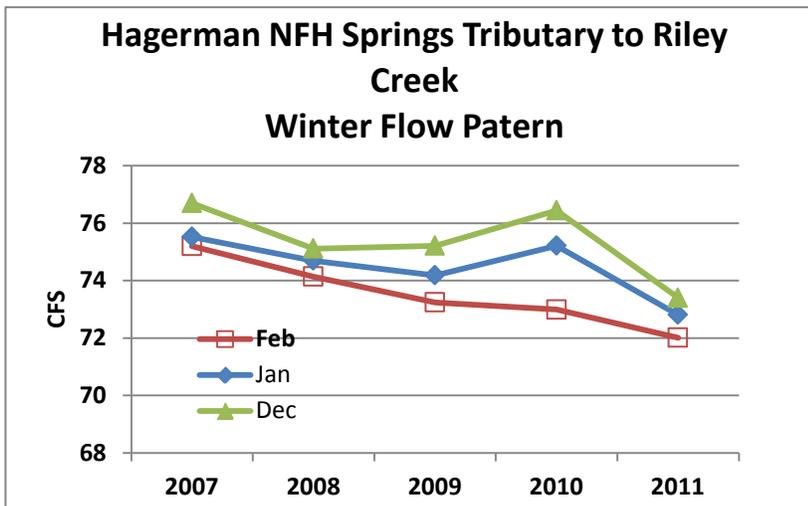
Corie Samson, Idaho Fish Health Center (IFHC), was here on February 23rd and 24th to perform fish health inspections.

Rainbow Trout

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb)	Length (inches)
133	Hayspur	130,878	516	516	2.03

The rainbow trout were moved outdoors to the raceways. Overall fish health and survival remain great.

OPERATIONS:



This graph illustrates several aspects of the Eastern Snake plain Aquifer (ESPA): 1) spring flow which has dropped 3.2 cfs in the last five years; 2) on an annual basis, spring flow decreases start in the mid to late winter as fish loading approaches its maximum; and, 3) late season recharge of the ESPA in 2010 increased flow, however, the flow rapidly decreased when the recharge was discontinued.

The Hatchery hosted a Hatchery Evaluation Team (Team) meeting. The Team discussed the Hatchery’s production capacity plan, supplemental oxygen, fish health issues, and prioritizing the Hatchery Review Team recommendations.

Hatchery staff met with LSRCP staff and engineers from McMillan LLC to discuss options to address OSHA citation regarding fall protection around the steelhead raceways.



Rail design meeting →

Bryan Kenworthy, Project Leader, and Anna Ray, Fisheries Program Assistant, participated in a WebEx conference hosted by Region 1 Contracting and General Services to discuss use of the SharePoint web site to display information relevant to Service Grants and Agreements.

Nate Wiese, Assistant Project Leader, and Jeremy Trimpey, Fish Biologist, met with Paul Heimowitz, Region 1 Fisheries, Aquatic Nuisance Species (ANS) Coordinator, to discuss matters associated with Idaho ANS permits and Hazard Analysis and Critical Control Points (HACCP) planning. Paul was in Idaho to present a HACCP training class at the University of Idaho Hagerman Fish Culture Experiment Station. The Hatchery collected several hundred New Zealand Mudsnails (NZMS) for use at the training.

Oster Lake #1 was completely drained for carp and trash removal. Staff from the Hatchery, Idaho Department of Fish and Game (IDFG), Boy Scout Troop 107, and local volunteers assisted with the clean-up project. Several hundred carp were removed and over 2,000 lbs of trash was picked up! Brush and trees were removed to improve access to fishing holes. A fish barrier was installed on the lake outlet to prevent carp from re-entering the lake. More information on the project can be found on the Hatchery's website at:

http://www.fws.gov/hagerman/documents/HIGHLIGHT_oster.pdf

No it's not Mike Rowe, but somebody had to do it →



The IFHC will monitor Shoshone sculpins for fish health purposes. Under the authority of the collection permit issued to the IFHC by the IDFG, the Hatchery trapped 5 Shoshone sculpins (*Cottus greenei*) each from Bickle, Riley, and Len Lewis springs. The Shoshone sculpin is listed as a species of concern by IDFG.

PERSONNEL/TRAINING/SAFETY

Jeremy Trimpey attended the NZMS HAACP Workshop at the University of Idaho Hagerman Fish Culture Experiment Station.

Nate Wiese presented the annual safety orientation program to the Hatchery crew.

Nate Wiese attended the monthly Region 1 Climate Change Board conference call.

St. Luke's Occupational Health performed annual hearing tests for Hatchery staff.

Sean Ackley, College of Southern Idaho (CSI) student, came on board under the CSI aquaculture internship program. Sean's first week included working on carp removal at Oster Lakes. Since he returned to work the next weekend, we think he'll be a keeper!

Sean Ackley recovering from neck-deep carp mud →

Brian Clifford, Motor Vehicle Operator, and Steve Money, Maintenance Mechanic, received physicals from St. Luke's Occupational Health in order to maintain Commercial Driver's License qualification.



OUTREACH

February proved to be a quiet month at the Hatchery for tours and visitors. A class from the Blaine County School District #61 conducted a self-guided tour of the Hatchery and 46 guests and visitors were recorded for a total of 53 guests.

MAINTENANCE

- Removed damaged and rotten walkway boards from the Oster Lake handicap fishing pier; replaced with new boards.
- Pumped water from Oster Lake 1.
- Installed new rope on 3" Honda trash pump.
- Lubed security gate bearings.
- Completed safety audit checklists for quarters and buildings.
- Shane Theall, Fire Management Officer, Malheur NWR, picked up brush chipper and received demo on safe operation and maintenance.
- Tracked down mystery circuits in shop building.
- Replaced broken light fixture in quarters 4.
- Replaced broken cover plate in quarters 6.
- Researched pump info for upcoming energy audit.
- Vendor Servicing included: 50k mile service on Maintenance Truck, repair of hydraulic rams on Dodge Flatbed dump body, and repairs and new tires for the grasshopper mower.