



# United States Department of the Interior



## FISH AND WILDLIFE SERVICE

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

### MEMORANDUM

December 5, 2005

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

FROM: Project Leader, Hagerman NFH

SUBJECT: November Activity Report

## PRODUCTION

### Steelhead Brood Year 2005

Lot Number	Stock	Number	Total Fish Weight	Size (#/lb)	Length (inches)
112	Sawtooth	978,780	54,189	18.1	5.3
111	Pahsimeroi	208,535	16,899	12.3	6.0
110	Clearwater B	201,412	11,312	17.8	5.3

Fish health remained good in all lots and stocks of Brood Year 2004 (BY04) summer steelhead trout.

The Hatchery initiated the annual environmental sampling protocol as part of the regular Standard Operating Procedure and for the BY05 Clearwater B Strain Rearing Experiment. Parameters monitored include: Dissolved oxygen, pH, temperature, and ammonia. Sampling will continue at increased frequency until distribution.

The BY05 Clearwater B Strain Rearing Experiment continued in November. Kathy Clemens, Idaho Fish Health Center, performed fish health inspections on Clearwater and Sawtooth stocks. Ten fish were sampled from each study raceway for viral and bacterial analysis (60 fish total). Each of the sampled fish were checked for presence of New Zealand Mudsnaills; none were found. The Clearwater raceways appear to be developing more "saddle-back" lesions than the Sawtooth raceways and mortalities increased in the Clearwater stock for the month.

### Rainbow Trout (Dworshak Reservoir Mitigation)

There are no rainbow trout on station; the first lot of eggs are expected in late December.

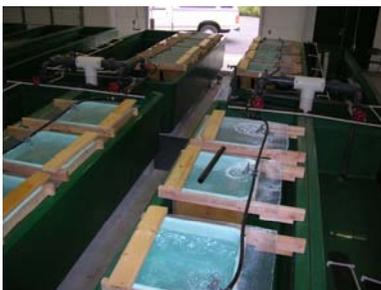
## **OPERATIONS**

Mark Olson, Assistant. Project Leader, and Nathan Wiese, Fisheries Biologist, traveled to Richland, WA to attend the “Hatchery Management Workshop”. Nathan presented the Hatchery’s Feed Fast study and current steelhead feeding practices. This presentation was a warm up for the Northwest Fish Culture Conference.

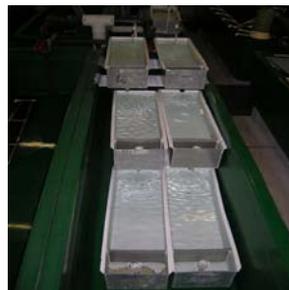
Anna Ray, Fisheries Program Assistant; Tammy Froscher, LSRCP Secretary; and Cheryl Mockford, RO Contract Specialist, traveled to Boise, ID to staff a booth representing Region 1 Contracting & General Services at the annual Governor’s Business Opportunities Conference.

Asbestos testing was performed on the brick mortar from the Hatchery shop chimney prior to removal of the chimney; results were negative for asbestos.

Fifteen experimental tanks were set-up in Hatchery 1 to accommodate New Zealand Mudsnail (NZMS) research to be conducted by Louise Bruce, SCEP student, this spring. The plumbing was modified from the incubation lines to supply each tank with water. Additionally, nine more tanks were set-up in Hatchery 1 for a Production Capacity Experiment (PCA) to start in January. The goal of this experiment is to provide more information about the carrying capacity of the Hatchery. The Hatchery is currently testing both systems with a small number of smolts.



NZMS Tanks



PCA Tanks

## **COORDINATION**

Anna Ray provided a PowerPoint virtual tour of the Hagerman NFH for a tour group from Twin Falls, Idaho guided by to the South Central Idaho Tourism and Recreation Association (SCITRDA). This was a cooperative effort between SCITRDA, the US Fish & Wildlife Service, the National Parks Service, and the Idaho Department of Parks & Recreation and was held at the Hagerman Fossil Beds Monument NPS office.

Chuck Brockway, Brockway Engineering, met with Steve Money, Maintenance and Mark Olson concerning design plans for a new draining mechanism on the settling ponds. Mr. Brockway obtained measurements and elevations to begin engineering.

Kathy Clemens and Laura Hawn, Idaho Fish Health Center, performed monthly fish inspections. Kathy also attended the Hatchery evaluation Team (HET) meeting.

Ray Jones, Idaho Fishery Resource Office, was here to attend the HET meeting. The agenda included Clearwater B Strain Rearing Experiment, Beta Glucan study results, and the Hatchery's carrying capacity proposal.

Cindy Yenter, Watermaster WD-130 IDWR- Southern Region, toured the Hatchery with four hydrologists to examine spring sites suitable for a groundwater modeling project. Bickle and Riley lakes were considered good choices because of their consistent measuring devices and extensive historical records.



Stop-log drain at Settling Pond



Installation continues on automated feed delivery system

## **PERSONNEL/TRAINING/SAFETY**

No significant activity.

## **OUTREACH**

Virtual tour of the Hatchery for the SCITRD at Hagerman NPS = 20 people

96 visitors signed the guest registry.

## **MAINTENANCE**

### Vehicles and Equipment

- Two ice machines and two diesel heaters from excess property were received.
- Construction of the automated feed delivery system continued on steelhead raceways. Feed bin hoppers, motors and support cables were installed for automated feed system #2 and #3.

### Buildings and Grounds

- Irrigation systems and buildings were winterized.
- The work done to re-roof the storage barn was completed.