

Willow Beach National Fish Hatchery

October 2015 Monthly Report

No fish were stocked this month.

104 visitors signed the guest registration.

Giovanni Cappelli completed a three week detail at Makah National Fish hatchery in Neah Bay, WA. There was a call for qualified biologists to work at the hatchery during the salmon run since that is their busy season. Gio was there concurrently with Mark Maskill, Creston NFH and Elizabeth Sunshine, Jackson Hole NFH. Detail's assisted in performing daily feeding and cleaning activities, spawning salmon and enumeration and distribution of eggs.

In addition to taking care of the daily salmon duties, Gio also made maintenance improvements to facility quarters by installing a new dishwasher sink and faucet and lighting fixtures. Addition of a corded power reel to the vehicle storage area allowed for removal of a trip hazard extension cord improving safety at the hatchery.

Gio was also involved in a new experimental water saving technology called Redd Zone. The Redd Zone is designed to incubate salmonid eggs using only 1 gallon of water per day. Overall, conceptually the Redd Zone was a good idea. However, there are a lot of drawbacks to the technology that would really deter any culturist from using it for production. The idea needs a lot more work and modifications before it could be recommended for hatchery use.



Salmon Egg Picking at Makah



Salmon Ready to be Spawned

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Kelly Stockton, KASF Consulting, finished testing a piece of equipment that introduces oxygen radicals into water in an attempt to kill quagga mussels. The technology takes atmospheric oxygen and injects it into compressed water to form oxygen radicals which then degrade to dissolved oxygen very quickly. After 17 days, 74% mortality of adult quagga mussels was achieved in a recirculating application.



Scott Peterson, Maintenance Worker conducted a tour for two adults and two youth.

All staff evaluations were giving and sent to the regional office before the end of month.

Jennifer Fowler Propst, Fisheries Supervisory visited the hatchery to conduct Mark Olson's annual evaluation.

Maintenance Activities

Rock debris behind the upper shop was removed; a drop ceiling was installed the break room; equipment and excess golf carts were auctioned; staff removed steel piping from the hatchery supply line in preparation for the new river water pumping system; new steel doors were installed on the biologists office, lab and bathroom and the boneyard was cleaned up.



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Achii Hanyo Native Fish Rearing Facility

During the month of October at Achii the facility has been prepared for the 2015 fish health assessment and upcoming pond harvest. On October 20th the fish health crew from Dexter New Mexico visited Achii Hanyo and took samples of all the different year classes on station. All fish appeared to be healthy condition.



Upcoming Activities

- PIT tag razorbacks at WBNFH
- Achii Hanyo pond harvest