

# Willow Beach National Fish Hatchery July 2013 Monthly Report

The hatchery stocked 13,558 twelve inch rainbow trout weighing 9,335 lbs. this month into Lake Mohave at the Willow Beach stocking sites. [\(15.4.6.5\)](#)

The remainder of the 2013 razorbacks were moved from inside tanks to an outside recirculating system. A total of 19,971 razorbacks were moved outside and make up the 2013 lot.

Mark Olson, Project Leader and Tom Frew, Assistant Project Leader participated in a FIS refresher web-ex training hosted by Sean Connely, Region 1.

The hatchery had 215 visitors sign the guest registry this month. [\(15.4.12\)](#)

Mark Olson, Giovanni Cappelli, and Scott Peterson were fit tested for a respirator by an occupational health provider in Kingman, AZ. [\(12.2.4\)](#)

Mark Olson traveled to Achii Hanyo two times this month to cover for staff on annual leave and to assist with fish sampling and maintenance related activities.

Maintenance activities for the month included: Cleaning out the head and tail ends of the A bank raceways and head of B bank, removing sediment, quagga mussels and plant material; replaced the carburetor on an ez-go golf cart; constructed a fence between quarters 4 and 5 and Marten Valdez, Region 2 Safety, conducted an annual safety inspection of the facility.



Marten Valdez Conducting a Safety Inspection



Quagga Mussels and Sediment

## Achii Hanyo Native Fish Rearing Facility

There were 22 observed fish mortalities in the production ponds this month. The mortalities were likely due to heat related stress.

Fish were sampled throughout the month by rod and reel to check for disease and parasites. Three of the sampled fish at the beginning of the month had one to two spots 1mm or less in diameter consistent with either beginning stages of *Lernaea* spp., or petechial hemorrhaging. A few of the fish from one of the production ponds sampled at the end of the month had swelling and redness in and around the mouth consistent with the beginning stages of *Lernaea* spp. Infestation.

Supplemental air supplies for the earthen ponds were installed at Ponds 1 through 4, and C. The dissolved oxygen levels in Ponds A and B have not dropped below 5.0mg/L and are being maintained by adjusting water flows. Dissolved oxygen levels in all ponds have not necessitated the need for supplemental air supply, but will be turned on in August to help prevent stratification of ponds during the day and promote mixing during the night to promote cooling of pond water.



Air Diffusers in Pond 3

A total of 10.0 volunteer hours were completed this month by Hendrik Verkade assisting with canal screen cleaning, fish sampling, tree limbing, and trash removal.

Maintenance activities included: Controlling weeds throughout the facility and grounds; treating the production ponds with copper sulfate and spot treatments of *Chara* spp.; limbing overgrowth of trees; troubleshooting internet connection issues and changing the oil in the facility golf cart. (7.12.3.3)

