



Mora National Fish Hatchery

ARCHERY EVENT

JANUARY 2013

Archery Training Event at Mora NFH

Mora NFH hosted a youth archery event. Tammy Bredy a professional archer came to the facility to teach advanced archery fundamentals. She started off doing a classroom session followed by the much anticipated range session.

This program coincides with some of the early archery events hosted at Mora NFH where basic archery fundamentals were taught.

Jack Rains, the Mora coordinator for YHEC, and hatchery staff member Richie Garcia assisted during the instructional portion of the event.

Safety was a paramount concern and all participants were instructed in the range rules and

whistle commands. All hatchery staff has been certified as archery instructors by USA Archery and the National Field Archery Association.

Approximately 15 students attended the program held on January 12, 2013. They greatly appreciated the individualized training and the indoor facilities. The event helped refine shooting techniques, including stance, breathing, target selection, and release. It turned out to be a great opportunity for the youth archers.



Wild MD PIT tagged

The wild Main Diamond fish to be used in spawning this season were pit tagged, had genetic clips taken, and were weighed and measured on January 25. Thus far, approximately 1/2 of the fish have been processed. Average length is 13 inches and average weight is 1.3 pounds.



Whiskey Creek Lineage Moved

Additional Whiskey Creek lineage fish were moved into the new system. This brings the total in the Ozone room system up to 100. Staff will continue to gradually move fish into the system while allowing the bio-filter adequate time to charge.

Aquatic Species Conservation and Management

2013 Spawning

Some of the 2010 year class fish were found to be ready during the last week of January. Crosses were taken and corresponding clips were forwarded to SNARC for analysis. Initial egg quality looks very good.

Additional fish were pit tagged and fin clipped during the second and fourth week of January.

Stocking

Fish stocking took place on Jan. 31st. 150 excess brood stock were stocked into Lake Robert for recreational opportunities here in New Mexico. The large Gila trout averaged 16.25 inches with some stretching the tape at over 20 inches.



The automatic lighting system that maintains the diurnal light cycle in the hatchery building failed during the latter part of December. The company that installed and constructed this system has been out of business for approximately 15 years, making efforts to simply find replacement parts impossible. The system had to be operated manually since the failure. The cost of rehabilitating the old system exceeded that of

installing a new updated LED system.

The broodstock side was completed and the overall electrical savings was substantial. The old system for that side used 7,560 watts at 277 volts, compared to the new system which only uses 260 watts at 120 volts. The other main cost saving feature is the bulbs, the LED bulbs are actually cheaper and have a much longer life expectancy.

The new lighting system provides a "day light" bulb which produces a more natural lighting. The bulbs are aimed at the ceiling to produce an indirect lighting. They are also set up on a automatic timers which follow sunrise and sunset including an auto dimming feature.



Egg Tray Relocation Complete

The plumbing necessary to finish the egg tray relocation was completed in January. All 8 egg stacks were moved from the top of a rearing unit to the ground. This move provided an increase water flow for the eggs stacks as well as freed-up a rearing unit.



A New Volunteer

Well, not actually. Daniel Gallegos, last summer's YCC student, and he began volunteering at the hatchery in January. He is currently a student at Luna Community College and is planning on pursuing a degree in Fish and Wildlife Management.

CURRENT STAFF

Jeff Powell, Project Leader
 Teresa Martinez, Administrative Assistant
 Jeff Conway, Fish Biologist
 Grant Langmaid, Fish Biologist
 E. "Richie" Garcia, Maintenance Worker

FOR MORE INFORMATION

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Additional Activities

- o Teresa Martinez attended FBMS training at the Regional Office.
- o The flatbed trailer was rewired, due to the UV damaged wires.