



Photo Credit; AZGFD

# Mora National Fish Hatchery

June 2016

## Kids Fishing Derbies

Mora supplied over 1,400 fish for fishing derbies in New Mexico and Arizona. Both sites included fish that had the capability to be a new world record Gila trout. 1,027 fish ranging in size from 8 to 21 plus inches were stocked into Goldwater Lake, Arizona on June 3. The fish were stocked with the assistance of the Arizona Game and Fish Department who sponsored the event.

378 fish ranging in size from 15 to 21 plus inches were stocked into Lake Roberts by hatchery staff. The Lake Roberts event was sponsored by the US Forest Service, New Mexico Department of Game and Fish, and the US Fish and Wildlife Service. Hatchery staff assisted with event and supplied the living stream display along with archery instruction.





## YCC's Start

Mora's 2016 Youth Conservation Corps students started on June 6. This year Mora NFH hired 4 students for the summer. All students are from the Mora area and attend the Mora Independent School District. Megan Chavez, Amarisa Romero, Kenneth Martinez, and Lefonso Castillo, will be juniors. The students have thus far assisted with many projects including painting, brush removal, hatchery maintenance, and assisted biological staff with sample counts and inventories.

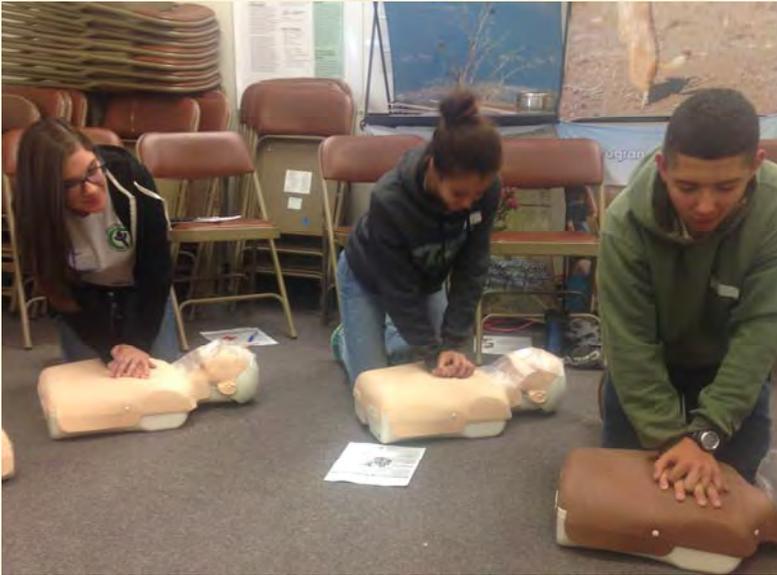
## AZGFD Volunteers

Cindy Dunn and David Fox, hatchery managers from the Arizona's Game and Fish Department's hatchery system volunteered at Mora on June 2. They were interested in the Hatchery's Gila trout culture program and the recirculation systems. They assisted biological staff with various duties while learning about the hatchery. On June 3, Cindy and David loaded and hauled fish for the Goldwater Lake Fishing Derby on June 4. Thanks for the help!



## Heart Bar Non-Native Removal

Daniel Gallegos assisted New Mexico Game and Fish, the US Forest Service, and the New Mexico Fish and Wildlife Conservation Office with non-native fish removal and sampling in the Heart Bar area of the Gila River on June 6 through the 10. Daniel helped PIT tag fish, measured and recorded length/weight data, and assisted with electro-fishing.



## CPR Training

Staff including YCC members from the Mora NFH attended First Aid and CPR training at the Las Vegas National Wildlife Refuge on June 14. Staff were instructed on updated life-saving procedures, general first aid, and trained on the proper operation of AED devices. The training was organized by Lori Casados and Debbie Pike from Las Vegas NWR.

## Maxwell NWR Celebration

Staff from the Mora NFH attended Maxwell National Wildlife Refuge's 50th Anniversary on June 11. The hatchery supplied its living stream along with several large broodstock fish for the event. Attendees were excited by the large fish and wanted to know about the hatchery. Other activities at the event included hay rides, canoeing and kayaking, archery contests, bug collecting and identification, and birding.



## YCC's Here

YCC students from Sevilletta and Las Vegas National Wildlife Refuges visited the hatchery on June 15. After a short tour, the students assisted the biological staff with fish enumeration of the 2016 year class. The hatchery provided a barbeque for lunch which everyone seemed to enjoy. Thanks for the Help!



## DFP Colleen Grant Arrives

Graduate Student Colleen Grant arrived on June 20 for her eleven week DFP internship. Colleen's project, tentative titled "Performance of exercised Gila trout in Recovery Areas" will involve rearing fish at velocities from 2 to 4 body lengths per second, appropriately tagging fish prior to release, and designing recapture protocols. Colleen is from Los Angeles, and is pursuing her Master Degree at the University of California, Santa Barbara. Please welcome Colleen to Region 2!

## Summer School Program

The hatchery hosted the Mora School District's Summer School for Kindergarten through third grade students on June 22. Hatchery staff had various activities for the students including a coloring contest, casting demonstration and contest, hatchery tours and a sample counting demonstration using gram scales and Swedish candy fish in lieu of real fish. The students had a great time!



## Nate Wiese on Detail

Nate Wiese completed a two-month detail as the Acting Columbia River Gorge National Fish Hatchery Complex Manager in June. At the end of his detail, Nate helped instruct the Coldwater Fish Culture Course in Port Angeles, Washington. The course was completed by 28 students from 8 different Tribal, State, and Federal Agencies across 11 states!

**Coldwater Fish Culture  
Port Angeles, WA  
June 20 – July 1, 2016**





Production Lineage	Brood Year	Purpose	Location	Number	Mortality	Sample (fpp)	Length (in)	Biomass (lbs)
Main Diamond	2014	Brood	Raceway 6	616	63	0.6	16.1	1027
	2014	Wild	VC East 2	65	0	4.5	8.3	14
	2015	Brood	R1T	849	2	2.5	10.0	340
	2016	Brood	ZHAB, 30	5,115	106	200	2.3	26
	2016	Recovery	SR:1,7 250's, 30	20,779	323	200	2.3	104
	2016	4D	SR, 380, 250	29,358	587	200	2.3	147
	<b>Total</b>							
South Diamond	2014	Brood	Raceway 7	522	14	0.6	16.1	870
	2015	Brood	R2T	763	32	3.8	8.7	201
	2016	Brood	ZHAB, 30	3,703	50	200	2.3	19
	2016	Recovery	SR, 250	17,337	294	200	2.3	87
	2016	4D	SR, 30	18,635	824	200	2.3	93
	<b>Total</b>							
Whiskey Creek	2014	Brood	Raceway 8	450	15	0.6	16.1	750
	2015	Brood	R3T	582	32	3.1	9.3	188
	2015	Recovery	R3B	1,066	3	4.5	8.3	237
	2016	Brood	AQ	572	215	200	2.3	3
	2016	Recovery	250, 30	1,667	51	200	2.3	8
	<b>Total</b>							
Spruce Creek	2010/2013	Wild	Spruce Creek 1	26	0	0.8	14.6	33
	2014	Brood	RW Circular	34	1	0.6	15.7	57
	2014	Wild	Spruce Creek 2	10	0	1.9	11.0	5
	2016	Brood	C8	38	0	200	2.3	1
	<b>Total</b>							
Iron Creek	2011	Wild	Spruce Creek 3,4	31	0	0.6	16.1	52
	2013	Wild	VC East 3,4	92	0	6.0	7.45	15
	<b>Total</b>							
<b>Total All Lineages</b>								

BY14 MD adjusted by 136 excess to Kids Derby. BY15 WC adjusted by 700 to Kids Fishing Derby and 320 to Mineral

<b>BonyTail</b>	2011	Wild	Shady Acres	1,262	0	3.8	9.9	332
	<b>Total</b>			<b>1,262</b>		<b>3.8</b>	<b>9.9</b>	



## Painting Projects

Mora's YCC students have completed many projects around the hatchery including several painting projects. The students have painted Quarters #1, a storage shed, and the water discharge shed at the well field. Later this summer the students will be re-staining quarters 2-4.

## Upcoming Events

- Daniel Gallegos on detail at Region 6's Saratoga NFH on June 27 to July 9.
- Jeremiah Olivas, Bio-Tech, to start on July 5
- Project Leader Nate Wiese returns from detail on July 5
- Region 2 HR visit/retreat on July 6
- Nate Wiese to visit Mescalero Hatchery on July 11
- Las Vegas US Forest Service YCC visit on July 14
- Dr. Wade Wilson to visit and work on Broodstock Management Plan during July 11-15
- Fish Health Inspection on July 19
- Mescalero Tribal Fish Hatchery YCC to visit/volunteer on July 20
- Three staff members to attend Region 2's Student Gathering on July 19-20.

## In Brief

Hatchery staff gave a tour to a home school group consisting of 20-30 parents and children on June 9.

Nate Wiese assisted with instruction at the Cold Water Fish Culture course on June 20 to July 1.

Richie Garcia repaired the living stream trailer by replacing the trailer tongue and jack.

Volunteer Sandy Kalb constructed new jump screens for the 2500 gallon circular tanks.

Richie Garcia finished installing new water fountains in the Visitor's Center and upstairs Hatchery Building.

### Hatchery Staff

Nate Wiese, Project Leader  
Lori Casados, Admin. Assistant  
Jeff Conway, Fish Biologist  
Grant Langmaid, Fish Biologist  
Richie Garcia, Maintenance Worker  
Dustin Wagner Biological Technician  
Daniel Gallegos, Intern  
Vacant, Biological Technician  
Sandy Kalb, Volunteer

### Contact Us

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