

# Ennis National Fish Hatchery



February 2020 Monthly Report

## Spawning Operations

Hatchery staff continued spawning age 2 – 3 McConaughy, Shasta, and Fish Lake strain rainbow trout in February. Spawning concluded on February 5<sup>th</sup> for age 2 – 3 McConaughy and Shasta strain.

Collection of Fish Lake strain future brood concluded on February 19<sup>th</sup>.

Triploid (3N) eggs were produced from age 2 Fish Lake strain rainbow trout during two spawns in February. 263,899 net eyed eggs were produced from the February 12<sup>th</sup> spawn. Triploid eggs from the February 19<sup>th</sup> spawn are pending inventory.

Eyed eggs were shipped to multiple state and federal facilities throughout the month.

Table 1. Summary of February 2020 spawning operations at Ennis National Fish Hatchery.

Strain	Lot Number	Diploid Net Eyed Eggs <sup>1</sup>	Triploid Net Eyed Eggs <sup>2</sup>	Estimated Eggs <sup>3</sup>
Fish Lake	RBT-FLD-17-ENN	238,444	0	276,000
Fish Lake	RBT-FLD-18-ENN	370,180	263,899	462,000
McConaughy	RBT-MCD-17-ENN	NA	NA	NA
McConaughy	RBT-MCD-18-ENN	35,373	0	NA
Shasta	RBT-SSD-17-ENN	69,098	0	NA
Shasta	RBT-SSD-18-ENN	38,125	0	NA
<b>Total</b>		<b>751,220</b>	<b>263,899</b>	<b>738,000</b>

1. Diploid net eyed eggs are from February 5<sup>th</sup> and 12<sup>th</sup> spawns.
2. February 12<sup>th</sup> spawn.
3. Estimated eggs are from February 19<sup>th</sup> and 25<sup>th</sup> spawns. Estimates include diploid and triploid eggs and are pending inventories.

## Summary of Fish on Station

Table 2. Summary of fish on station - Raceways

Strain	Lot Number	Number of Fish	FPP	Raceway Weight (Pounds)	Total Length (Inches)	February Mortality
Arlee	RBT-ARD-16-ENN	211	<i>0.20</i>	<i>1,055</i>	<i>23.2</i>	21
Arlee	RBT-ARD-17-ENN	1,821	<i>0.40</i>	<i>4,553</i>	<i>18.4</i>	24
Arlee	RBT-ARD-18-ENN	1,539	0.67	2,297	15.5	0
Erwin X Arlee	RBT-EED-17-ENN	357	0.33	1,082	19.6	7
Erwin X Arlee	RBT-EED-18-ENN	2,854	0.61	4,690	16.0	9
Erwin X Arlee	RBT-EED-19-ENN	2,252	9.17	246	6.5	0
Eagle Lake	RBT-ELD-17-ENN	332	<i>0.40</i>	<i>830</i>	<i>18.4</i>	65
Eagle Lake	RBT-ELD-18-ENN	3,108	<i>0.50</i>	<i>6,216</i>	<i>17.1</i>	72
Eagle Lake	RBT-ELD-19-ENN	3,061	1.33	2,302	12.3	4
Fish Lake	RBT-FLD-17-ENN	264	<i>0.30</i>	<i>880</i>	<i>20.3</i>	56
Fish Lake	RBT-FLD-18-ENN	2,660	<i>0.40</i>	<i>6,650</i>	<i>18.4</i>	78
Fish Lake	RBT-FLD-19-ENN	2,775	1.63	1,702	11.5	0
McConaughy	RBT-MCD-17-ENN	134	<i>0.25</i>	<i>536</i>	<i>21.5</i>	21
McConaughy	RBT-MCD-18-ENN	1,088	<i>0.40</i>	<i>2,720</i>	<i>18.4</i>	40
McConaughy	RBT-MCD-19-ENN	739	1.60	462	11.6	1
Shasta	RBT-SSD-17-ENN	488	<i>0.20</i>	<i>2,440</i>	<i>23.2</i>	27
Shasta	RBT-SSD-18-ENN	1,743	<i>0.30</i>	<i>5,810</i>	<i>20.3</i>	53
Shasta	RBT-SSD-19-ENN	993	0.82	1,211	14.5	1

1. *Italic denotes estimate*

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## Construction Projects

Work continued on the Radon degassing system throughout February. The incubation building mold / asbestos remediation project was completed on February 13<sup>th</sup>. The contracting crew will return in the summer of 2020 to perform the same upgrades in the east side of the incubation building.



*February 13th, 2020*

Hatchery staff began replacing the basement windows in Quarters #3. Single pane glass was removed and double pane windows were framed and installed.



*February 27th, 2020*

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## Education and Outreach Activities

Jared Knott and Joe Helseth traveled to Harrison School to repair the chiller system for their *Trout in the Classroom* program.

## Employee Development

Kristen Cook attended the annual meeting for the Montana chapter of AFS. Topics discussed at the meeting included ESA for listed Montana fishes, management of Montana's recreational fisheries, and federal, state, and tribal hatchery contributions. Kristen also presented her research on Western Pearlshell mussels at the meeting. Her presentation focused on basic life-history traits of Western Pearlshell mussels.



K. Bannister - USFWS Lodi FWO

Kenneth Bannister – USFWS: Lodi Fish and Wildlife Office  
Delta Juvenile Fish Monitoring Program – performed a work detail from February 10<sup>th</sup> – 13<sup>th</sup> at Ennis National Fish Hatchery.

Matt Lyons – Arizona Game and Fish Department: Page Springs Hatchery – performed a work detail from February 25<sup>th</sup> – February 28<sup>th</sup> at Ennis National Fish Hatchery.

Bryce Sisson – Arizona Game and Fish Department: Tonto Creek Hatchery – performed a work detail from February 25<sup>th</sup> – February 28<sup>th</sup> at Ennis National Fish Hatchery.

## Upcoming Activities

- Work will continue on the Radon degassing columns.
- High school students from Harrison School are scheduled to partake in a tour of the hatchery in March.

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## **Current Hatchery Staff**

- Ron Hopper – Acting Project Leader
- Kristen Cook – Fish and Wildlife Biologist
- Joe Helseth – Fish Biologist
- Jared Knott – Biological Science Technician
- Jim McFall – Biological Science Technician
- Steve Nelson – Maintenance Worker

## **Contact Information**

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