

# Ennis National Fish Hatchery



OCTOBER / NOVEMBER 2020 BIMONTHLY REPORT

# Spawning Activities

Throughout October and November there are currently three strains of rainbow trout spawning at ENFH. Erwin x Arlee (EED) spawning concluded on October 7<sup>th</sup>. From July 15<sup>th</sup> through October 7<sup>th</sup> there were 13 egg takes for age 2 and age 3 EED. Arlee (ARD) spawning began on October 14<sup>th</sup> for age 2 and age 3 fish. Collection of future ARD brood began on November 11<sup>th</sup> and ended on December 2<sup>nd</sup>. Eagle Lake (ELD) spawning began on November 25<sup>th</sup>.

<b>EED Spawning Season Summary - 2020</b>				
	<b>Fish Age</b>	<b># of Females Spawmed</b>	<b>Total Net Eyed Eggs</b>	<b>Net Eyed Eggs / Female</b>
BY2017	3	249	632,731	2,541
BY2018	2	1,257	2,467,700	1,963

# Construction Projects

Progress continued on the degassing column project in the incubation building. The old water supply pipes and valves were removed from the early rearing tanks, and new water valves were installed. Construction will continue throughout the upcoming months.



# Summary of Fish on Station - Raceways

Strain	Lot Number	Number of Fish	FPP	Raceway Weight (Pounds)	Total Length (Inches)	November Mortality
Arlee	RBT-ARD-17-ENN	592	<i>0.30</i>	<i>1,973</i>	<i>20.3</i>	28
Arlee	RBT-ARD-18-ENN	1,388	<i>0.30</i>	<i>4,627</i>	<i>20.3</i>	72
Arlee	RBT-ARD-19-ENN	2,201	1.54	1,429	11.8	1
Erwin X Arlee	RBT-EED-17-ENN	215	<i>0.25</i>	<i>860</i>	<i>21.5</i>	12
Erwin X Arlee	RBT-EED-18-ENN	2,507	<i>0.50</i>	<i>4,114</i>	<i>17.1</i>	32
Erwin X Arlee	RBT-EED-19-ENN	2,471	0.83	2,977	14.4	2
Eagle Lake	RBT-ELD-18-ENN	605	0.32	1,891	19.8	7
Eagle Lake	RBT-ELD-19-ENN	3,055	0.46	6,641	17.6	16
Eagle Lake	RBT-ELD-20-ENN	3,427	2.41	1,422	10.1	3
Fish Lake	RBT-FLD-18-ENN	346	0.29	1,116	20.1	1
Fish Lake	RBT-FLD-19-ENN	2,809	0.54	5,202	16.7	1
Fish Lake	RBT-FLD-20-ENN	1,951	5.34	365	7.8	0
McConaughy	RBT-MCD-17-ENN	211	0.32	659	19.8	0
McConaughy	RBT-MCD-18-ENN	252	0.33	764	19.6	2
McConaughy	RBT-MCD-19-ENN	724	0.49	1,478	17.2	1
McConaughy	RBT-MCD-20-ENN	1,929	4.25	454	8.4	1
Shasta	RBT-SSD-18-ENN	427	0.25	1,708	21.5	5
Shasta	RBT-SSD-19-ENN	979	0.26	3,765	21.3	1
Shasta	RBT-SSD-20-ENN	875	1.89	463	11.0	4

1. Italic denotes estimate

# Summary of Fish on Station – Early Rearing Units

Strain	Lot Number	Number of Fish	FPP	Tank Weight (Pounds)	Total Length (Inches)	November Mortality
Erwin x Arlee #1	RBT-EED-20-ENN	743	100.00	7.43	2.9	6
Erwin x Arlee #2	RBT-EED-20-ENN	1,006	139.02	7.24	2.6	14
Erwin x Arlee #3	RBT-EED-20-ENN	1,150	173.02	6.65	2.4	6
Erwin x Arlee #4	RBT-EED-20-ENN	1,055	206.98	5.10	2.3	3

## Summary of Fish Stocking

On Tuesday, October 20<sup>th</sup>, the Harrison Lake production fish were released into Harrison Lake.

Lot Number	Number of Fish	FPP	Total Weight (Pounds)	Total Length (Inches)
RBT-HLW-20-ENN	14,007	77.46	180.82	3.2

## Education and Outreach

On Thursday, October 22<sup>nd</sup>, Kristen Cook gave a presentation to students at VISIONS Service Adventures in Bozeman, MT. The students are enrolled in the VISIONS gap year program and ranged from 18-23 years old. Kristen talked about her career with the USFWS and the mission of ENFH.

# Employee Development

Jared Knott attended an online CDSO training from November 2<sup>nd</sup> through November 6<sup>th</sup>. Jared is now the new CDSO for ENFH.

## Upcoming Activities

- Ennis NFH employees will continue to abide by COVID-19 safety protocol.
- Construction will continue on the water degassing column project.
- Joe Helseth will attend wastewater training when it becomes available to perform water quality collection / testing at Ennis NFH.

## Current Hatchery Staff

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

## Contact Information

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