

# ENNIS NATIONAL FISH HATCHERY



DECEMBER 2020 / JANUARY 2021 BIMONTHLY REPORT

# Spawning Activities

Throughout December and January there are currently five strains of rainbow trout spawning at ENFH. Arlee (ARD) spawning concluded on December 16<sup>th</sup>. From October 14<sup>th</sup> through December 16<sup>th</sup> there were 10 egg takes for age 2 and age 3 ARD.

<b>ARD Spawning Season Summary - 2020</b>				
	Fish Age	# of Females Spawmed	Total Net Eyed Eggs	Net Eyed Eggs / Female
BY2017	3	514	1,457,261	2,835
BY2018	2	688	2,016,613	2,931

Age 2 and age 3 Eagle Lake (ELD) spawning continued throughout December and January. Age 2 and age 3 Fish Lake (FLD) spawning began on January 13<sup>th</sup> and will continue throughout February and March. Age 2 and age 3 Shasta (SSD) and age 2 – 4 McConaughy (MCD) spawning began on December 2<sup>nd</sup>.

# Construction Projects

Progress continued on the degassing column project in the incubation building. Degassing columns are being constructed and mounted in their respective rearing tanks.



Perforated plates are being used in the degassing columns in place of plastic media. Once the degassing columns are in place construction will begin on the venting system.

# Summary of Fish on Station - Raceways

Strain	Lot Number	Number of Fish	FPP	Raceway Weight (Pounds)	Total Length (Inches)	January Mortality
Arlee	RBT-ARD-17-ENN	130	<i>0.30</i>	<i>433</i>	<i>20.3</i>	33
Arlee	RBT-ARD-18-ENN	1,284	0.37	3,470	18.9	27
Arlee	RBT-ARD-19-ENN	2,198	1.12	1,963	13.1	1
Erwin X Arlee	RBT-EED-18-ENN	628	0.39	1,610	<i>18.6</i>	5
Erwin X Arlee	RBT-EED-19-ENN	2,154	0.62	3,474	15.9	2
Erwin X Arlee	RBT-EED-20-ENN	2,537	23.6	107.4	4.7	0
Eagle Lake	RBT-ELD-18-ENN	466	<i>0.32</i>	<i>1,456</i>	<i>19.8</i>	122
Eagle Lake	RBT-ELD-19-ENN	2,317	<i>0.46</i>	<i>5,037</i>	<i>17.6</i>	592
Eagle Lake	RBT-ELD-20-ENN	3,420	1.66	2,060	11.5	4
Fish Lake	RBT-FLD-18-ENN	319	<i>0.25</i>	<i>1,276</i>	<i>21.5</i>	24
Fish Lake	RBT-FLD-19-ENN	2,660	<i>0.46</i>	<i>5,783</i>	<i>17.6</i>	143
Fish Lake	RBT-FLD-20-ENN	1,951	2.57	759	9.9	0
McConaughy	RBT-MCD-17-ENN	203	<i>0.32</i>	<i>635</i>	<i>19.8</i>	6
McConaughy	RBT-MCD-18-ENN	217	<i>0.33</i>	<i>658</i>	<i>19.6</i>	19
McConaughy	RBT-MCD-19-ENN	628	<i>0.49</i>	<i>1,282</i>	<i>17.2</i>	48
McConaughy	RBT-MCD-20-ENN	1,911	2.43	786	10.1	1
Shasta	RBT-SSD-18-ENN	358	<i>0.25</i>	<i>1,432</i>	<i>21.5</i>	35
Shasta	RBT-SSD-19-ENN	901	<i>0.26</i>	<i>3,465</i>	<i>21.3</i>	48
Shasta	RBT-SSD-20-ENN	870	1.21	719	12.7	0

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)	January Mortality
Arlee #1	RBT-ARD-20-ENN	1,462	397.4	3.7	1.9	12
Arlee #2	RBT-ARD-20-ENN	935	482.8	1.9	1.7	19
Arlee #3	RBT-ARD-20-ENN	1,379	820.7	1.7	1.5	21
Arlee #4	RBT-ARD-20-ENN	890	1,138.9	0.8	1.3	49
Eagle Lake #1	RBT-ELD-21-ENN	1,178	NA	NA	NA	83
Eagle Lake #2	RBT-ELD-21-ENN	2,189	NA	NA	NA	184
Eagle Lake #3	RBT-ELD-21-ENN	1,786	NA	NA	NA	215
Eagle Lake #4	RBT-ELD-21-ENN	1,193	NA	NA	NA	0
Eagle Lake Production	RBT-ELD-21-ENN	14,168	NA	NA	NA	2,385
McConaughy #1	RBT-MCD-21-ENN	859	NA	NA	NA	141
McConaughy #2	RBT-MCD-21-ENN	748	NA	NA	NA	57
McConaughy #3	RBT-MCD-21-ENN	1,452	NA	NA	NA	0
Shasta #1	RBT-SSD-21-ENN	1,337	NA	NA	NA	159
Shasta #2	RBT-SSD-21-ENN	1,414	NA	NA	NA	115
Shasta #3	RBT-SSD-21-ENN	1,175	NA	NA	NA	0

# Education and Outreach

Nothing to report at this time due to COVID-19.

# Employee Development

Nothing to report at this time due to COVID-19.

# Upcoming Activities

- Ennis NFH employees will continue to abide by COVID-19 safety protocol.
- Kristen Cook will be collecting video footage of hatchery operations.
  - Kristen will use this footage to provide a virtual hatchery tour and to create a virtual tour for school students.
- On February 25<sup>th</sup>, CDSO, Jared Knott will lead a safety meeting for all ENFH staff. Topics that will be covered include COVID-19 policy, fire extinguisher locations, moose safety, and any other concerns staff may have.

# An Unexpected Visitor

We're sure you noticed the picture on the cover! A young moose decided to roam around the hatchery at the end of January 2021. Definitely a cool sight to see!



# Hatchery Staff

- Ron Hopper – Manager / Supervisory Fish Biologist
- Joe Helseth – Fish Biologist
- Kristen Cook – Fish and Wildlife Biologist
- Jared Knott – Biological Science Technician
- Jim McFall – Biological Science Technician
- Steve Nelson – Maintenance Worker

## Contact Information

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