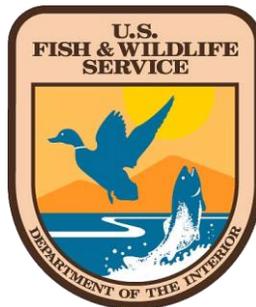


Ennis National Fish Hatchery



MAY 2020 MONTHLY REPORT

Spawning Activities

No spawning activities occurred on station during May 2020. On May 20, 2020 Joe Helseth assisted the Montana Department of Fish, Wildlife and Parks with arctic grayling spawning and fish health sampling.



The spawning and health sampling took place at Upper Twin Lake on BLM land near Ennis, MT. Joe aided MTFWP with collecting spleen, kidney, and liver samples.



Above: Upper Twin Lake



Above: Tyler Osborn, MTFWP fish health lab.



Above: MTFWP employees sorting grayling.

Summary of Fish on Station - Raceways

Strain	Lot Number	Number of Fish	FPP	Raceway Weight (Pounds)	Total Length (Inches)	May Mortality
Arlee	RBT-ARD-16-ENN	210	<i>0.35</i>	<i>600</i>	<i>19.3</i>	7
Arlee	RBT-ARD-17-ENN	695	<i>0.40</i>	<i>1,738</i>	<i>18.4</i>	15
Arlee	RBT-ARD-18-ENN	1,508	0.42	3,591	18.1	6
Erwin X Arlee	RBT-EED-17-ENN	328	0.26	1,262	21.3	11
Erwin X Arlee	RBT-EED-18-ENN	2,827	0.48	5,890	17.3	11
Erwin X Arlee	RBT-EED-19-ENN	2,487	2.27	1,096	10.3	63
Eagle Lake	RBT-ELD-17-ENN	357 ²	<i>0.30</i>	<i>1,190</i>	<i>20.3</i>	10
Eagle Lake	RBT-ELD-18-ENN	1,392	<i>0.50</i>	<i>2,784</i>	<i>17.1</i>	29
Eagle Lake	RBT-ELD-19-ENN	3,099	0.81	3,826	14.6	9
Fish Lake	RBT-FLD-18-ENN	368	0.55	669	16.6	7
Fish Lake	RBT-FLD-19-ENN	2,825	1.00	2,825	13.6	1
McConaughy	RBT-MCD-17-ENN	234	<i>0.40</i>	<i>585</i>	<i>18.4</i>	6
McConaughy	RBT-MCD-18-ENN	279	0.58	481	16.3	14
McConaughy	RBT-MCD-19-ENN	731	0.93	786	13.9	6
Shasta	RBT-SSD-17-ENN	166	<i>0.25</i>	<i>664</i>	<i>21.5</i>	13
Shasta	RBT-SSD-18-ENN	627	<i>0.30</i>	<i>2,090</i>	<i>20.3</i>	15
Shasta	RBT-SSD-19-ENN	985	0.51	1,931	17.0	7

1. Italic denotes estimate

2. Retired brood RBT-ELD-17-ENN stocked in local ponds. Zero fish remained from lot at end of May.

Summary of Fish on Station – Early Rearing Units

Strain	Lot Number	Number of Fish	FPP	Tank Weight (Pounds)	Total Length (Inches)	May Mortality
Arlee #1	RBT-ARD-19-ENN	841	14.33	58.7	5.6	17
Arlee #2	RBT-ARD-19-ENN	998	10.53	94.8	6.2	27
Arlee #3	RBT-ARD-19-ENN	659	11.12	59.3	6.1	20
Arlee #4	RBT-ARD-19-ENN	785	12.23	64.2	5.9	23
Eagle Lake (Production)	RBT-ELD-20-ENN	10,032	53.65	187.0	3.6	10
Eagle Lake #1	RBT-ELD-20-ENN	759	30.53	24.9	4.3	17
Eagle Lake #2	RBT-ELD-20-ENN	911	30.20	30.1	4.4	17
Eagle Lake #3	RBT-ELD-20-ENN	723	33.66	21.5	4.2	17
Eagle Lake #4	RBT-ELD-20-ENN	849	40.28	21.1	4.0	19
Fish Lake #1	RBT-FLD-20-ENN	716	92.59	7.7	3.0	16
Fish Lake #2	RBT-FLD-20-ENN	832	142.06	5.9	2.6	20
Fish Lake #3	RBT-FLD-20-ENN	621	136.25	4.6	2.6	20
Fish Lake #4	RBT-FLD-20-ENN	772	171.96	4.5	2.4	26
McConaughy #1	RBT-MCD-20-ENN	556	53.25	10.4	3.6	17
McConaughy #2	RBT-MCD-20-ENN	479	63.58	7.5	3.4	20
McConaughy #3	RBT-MCD-20-ENN	531	73.38	7.2	3.2	17
McConaughy #4	RBT-MCD-20-ENN	284	96.40	3.0	3.0	15
McConaughy (Production)	RBT-MCD-20-ENN	30,949	50.24	616.0	2.54	39
Shasta #1	RBT-SSD-20-ENN	849	39.57	21.5	4.0	18
Shasta #2	RBT-SSD-20-ENN	822	45.78	18.0	3.8	15
Shasta #3	RBT-SSD-20-ENN	802	48.42	16.6	3.7	18
Shasta #4	RBT-SSD-20-ENN	813	53.45	15.2	3.6	17

Construction Projects

Work continued on the degassing column project in the raceway buildings. This project will be a primary task over the summer months.

Below: May 5, 2020



Work continued on the mold / asbestos remediation project in the east side of the incubation building. Spray foam insulation and water-resistant drywall was installed.

Below: May 12, 2020

Paint was applied in late May and the project was completed on May 28, 2020.



Below: May 28, 2020



The east side of the incubation building holds incubators and egg picking equipment. Items will be reassembled throughout June in preparation for EED spawning in July.

Fish Health Inspection

Staff from the USFWS Bozeman Fish Health Center performed the annual fish health inspection for Ennis National Fish Hatchery on May 12, 2020. Staff sampled fish from each lot on station and will bring samples back to the lab for analyses.



FHC staff obtaining tissue samples.

*Left: Renee Yamamoto
Right: Lacey Hopper*

Education and Outreach

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

Employee Development

Kristen Cook continues to work towards her master's degree. Kristen also began fieldwork for her project in May.

Upcoming Activities

- Ennis NFH employees will continue to abide by COVID-19 safety protocol.
- Construction will continue on the degassing column project.
- Jared Knott will attend CDSO training when it becomes available.
- 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

Ennis National Fish Hatchery
180 Fish Hatchery Rd.
Ennis, MT 59729
Phone: 406-682-4847
Fax: 406-682-7635