



Ennis National Fish Hatchery



JUNE 2020 MONTHLY REPORT

Spawning Activities

No spawning activities occurred on station during June. Erwin X Arlee spawning will begin in July.

Construction Projects

Construction began on building new aluminum egg incubator stands in June. The project will be completed before spawning operations begin in July.



Above: Constructing Egg Incubator Stands

Construction continued on the water degassing column project throughout June.



Above: Completed Egg Incubator Stands

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	208	<i>0.35</i>	<i>594</i>	<i>19.3</i>	2
Arlee	RBT-ARD-17-ENN	687	<i>0.40</i>	<i>1,718</i>	<i>18.4</i>	8
Arlee	RBT-ARD-18-ENN	1,503	0.39	3,854	18.6	5
Erwin X Arlee	RBT-EED-17-ENN	322	<i>0.25</i>	<i>1,288</i>	<i>21.5</i>	6
Erwin X Arlee	RBT-EED-18-ENN	2,818	<i>0.50</i>	<i>5,636</i>	<i>17.1</i>	9
Erwin X Arlee	RBT-EED-19-ENN	2,483	1.81	1,372	11.1	4
Eagle Lake	RBT-ELD-18-ENN	877	<i>0.50</i>	<i>1,754</i>	<i>17.1</i>	17
Eagle Lake	RBT-ELD-19-ENN	3,097	0.69	4,488	15.4	2
Fish Lake	RBT-FLD-18-ENN	367	0.47	781	17.5	1
Fish Lake	RBT-FLD-19-ENN	2,824	0.86	3,284	14.3	1
McConaughy	RBT-MCD-17-ENN	230	<i>0.40</i>	<i>575</i>	<i>18.4</i>	4
McConaughy	RBT-MCD-18-ENN	274	0.53	517	16.8	5
McConaughy	RBT-MCD-19-ENN	730	0.91	802	14.0	1
Shasta	RBT-SSD-18-ENN	533	<i>0.30</i>	<i>1,777</i>	<i>20.3</i>	19
Shasta	RBT-SSD-19-ENN	983	0.42	2,340	18.1	2

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)	May Mortality
Arlee #1	RBT-ARD-19-ENN	817	8.06	101	6.8	24
Arlee #2	RBT-ARD-19-ENN	984	6.85	144	7.2	14
Arlee #3	RBT-ARD-19-ENN	657	7.83	84	6.8	2
Arlee #4	RBT-ARD-19-ENN	761	8.47	90	6.7	24
Eagle Lake (Production)	RBT-ELD-20-ENN	9,986	32.12	311	4.2	46
Eagle Lake #1	RBT-ELD-20-ENN	757	17.43	43	5.2	2
Eagle Lake #2	RBT-ELD-20-ENN	908	15.83	57	5.4	3
Eagle Lake #3	RBT-ELD-20-ENN	722	16.84	43	5.3	1
Eagle Lake #4	RBT-ELD-20-ENN	844	16.23	52	5.4	5
Fish Lake #1	RBT-FLD-20-ENN	715	38.60	19	4.0	1
Fish Lake #2	RBT-FLD-20-ENN	829	63.68	13	3.4	3
Fish Lake #3	RBT-FLD-20-ENN	620	62.01	10	3.4	1
Fish Lake #4	RBT-FLD-20-ENN	771	67.19	11	3.3	1
Harrison L. Wild	RBT-HLW-20-ENN	13,528	1,317.65	10	1.2	185
McConaughy #1	RBT-MCD-20-ENN	555	25.42	22	4.6	1
McConaughy #2	RBT-MCD-20-ENN	478	32.42	15	4.3	1
McConaughy #3	RBT-MCD-20-ENN	531	35.59	15	4.1	0
McConaughy #4	RBT-MCD-20-ENN	283	35.44	8	4.1	1
McConaughy (Production)	RBT-MCD-20-ENN	30,894	76.72	403	3.2	55
Shasta #1	RBT-SSD-20-ENN	846	20.61	41	5.0	1
Shasta #2	RBT-SSD-20-ENN	822	23.47	35	4.7	0
Shasta #3	RBT-SSD-20-ENN	800	23.35	34	4.6	2
Shasta #4	RBT-SSD-20-ENN	813	25.55	32	4.6	0

Summary of Fish Stocking

Date	Lot Number	Location	# of Fish
6/3/20	RBT-SSD-17-ENN	Malmstrom AFB	100
6/3/20	RBT-ELD-18-ENN	Malmstrom SFB	100
6/17/20	RBT-SSD-17-ENN	Lori's Pond – Twin Bridges	30
6/17/20	RBT-ELD-18-ENN	Lori's Pond – Twin Bridges	130
6/24/20	RBT-ELD-18-ENN	Grizzly Wolf and Discovery Center	176
6/25/20	RBT-SSD-17-ENN	Virginia City Pond	23
6/25/20	RBT-SSD-18-ENN	Virginia City Pond	75

Education and Outreach

Kristen Cook brought board members to field sites to educate them about native freshwater mussels in southwestern Montana. Kristen also worked with Montana Fish, Wildlife and Parks, as well as collaborators, to collect salmonids for identifying the hosts of western pearlshell mussels. Kristen received a \$2,100 grant from Sitka to further her research.



Employee Development

Kristen Cook continues to work towards her master's degree.

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

In June 2020, Dana Arnold, was stationed at Ennis NFH. Dana is an undergraduate student at The Pennsylvania State University and is a member of the Directorate Fellowship program with FAC and External Affairs. Dana will be working with project leaders in the region to develop a comprehensive photo and video database, audit web pages to prepare for a national web migration, finalize the Outreach and Conservation Education Plan for FAC, create articles detailing fish passage and the recent flume installation, and develop trainings for social media and photo uploading purposes.

Contact Information

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