

Ennis National Fish Hatchery



SEPTEMBER 2020 MONTHLY REPORT

Spawning Activities

Erwin x Arlee (EED) spawning continued throughout September. Age 2 – 3 females continue to be spawned with age 2 males. Five spawns occurred in September and a total of 238 diploid females were spawned. Triploid (3N) eggs were produced on September 2nd and 9th. 3N eggs were produced from 98 females.

Construction Projects

New floor tiles were installed in the egg incubation area. These tiles improve upon employee safety and comfort while working with eggs.



Summary of Fish on Station - Raceways

Strain	Lot Number	Number of Fish	FPP	Raceway Weight (Pounds)	Total Length (Inches)	Mortality
Arlee	RBT-ARD-17-ENN	663	0.30	2,210	20.3	4
Arlee	RBT-ARD-18-ENN	1,486	0.31	4,794	20.1	6
Arlee	RBT-ARD-19-ENN	2,202	2.75	801	9.7	2
Erwin X Arlee	RBT-EED-17-ENN	220	<i>0.25</i>	<i>880</i>	<i>21.5</i>	33
Erwin X Arlee	RBT-EED-18-ENN	2,633	<i>0.50</i>	<i>5,266</i>	<i>17.1</i>	56
Erwin X Arlee	RBT-EED-19-ENN	2,475	1.08	2,292	13.2	1
Eagle Lake	RBT-ELD-18-ENN	616	0.33	1,867	19.6	8
Eagle Lake	RBT-ELD-19-ENN	3,075	0.48	6,406	17.3	10
Eagle Lake	RBT-ELD-20-ENN	3,431	5.38	638	7.8	7
Fish Lake	RBT-FLD-18-ENN	355	0.33	1,076	19.6	5
Fish Lake	RBT-FLD-19-ENN	2,815	0.55	5,118	16.6	2
McConaughy	RBT-MCD-17-ENN	216	0.42	514	18.1	0
McConaughy	RBT-MCD-18-ENN	259	0.41	632	18.3	5
McConaughy	RBT-MCD-19-ENN	727	0.55	1,322	16.6	1
Shasta	RBT-SSD-18-ENN	436	0.23	1,677	21.3	2
Shasta	RBT-SSD-19-ENN	981	0.29	3,383	20.5	0
Shasta	RBT-SSD-20-ENN	879	5.04	174	7.9	1

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)	Mortality
Fish Lake	RBT-FLD-20-ENN	1,952	13.43	145	5.7	6
Harrison L. Wild	RBT-HLW-20-ENN	14,018	101.91	138	2.9	28
Erwin x Arlee #1	RBT-EED-20-ENN	784	3,067.00	0.26	0.9	118
Erwin x Arlee #2	RBT-EED-20-ENN	1,085	NA	NA	NA	85
Erwin x Arlee #3	RBT-EED-20-ENN	1,008	NA	NA	NA	107
Erwin x Arlee #4	RBT-EED-20-ENN	1,080	NA	NA	NA	62
McConaughy #1	RBT-MCD-20-ENN	475	8.66	55	6.6	1
McConaughy #2	RBT-MCD-20-ENN	597	7.90	76	6.8	1
McConaughy #3	RBT-MCD-20-ENN	604	9.01	67	6.5	4
McConaughy #4	RBT-MCD-20-ENN	267	8.15	33	6.7	2

Education and Outreach

Joe Helseth gave a video conference presentation to incoming freshman at Peru State College (PSC). This presentation was part of the PSC Alumni Series. Joe discussed how PSC prepared him for entering the workforce, gave tips for succeeding at PSC, finding employment after graduation, and details about his career.

Brandon Evans volunteered at Ennis NFH September 16-17. Brandon assisted hatchery staff with spawning operations, feeding fish, raceway cleaning, and egg box construction.

Employee Development

Ron Hopper assisted Lacey Hopper with the annual fish health inspection at the Black Canyon Fish Hatchery, Grace, ID. This facility supports state and tribal fisheries programs by producing cutthroat and rainbow trout.



Above: Ron Hopper collecting tissue samples at Black Canyon Fish Hatchery

Kristen Cook performed a detail at the Lander Fish and Wildlife Conservation Office. Kristen backpack stocked 3 alpine lakes with tiger trout, stocked multiple lakes with rainbow and cutthroat trout, trammel netted for burbot, performed hook-and-line surveys, and electroshocked a pool below a culvert to rescue fish from receding water.



Above: Brandon Evans spawning Erwin x Arlee strain rainbow trout



Above: Rainbow trout at Black Canyon Fish Hatchery

Kristen also retrieved radio collars from deceased mule deer to investigate cause of death and removed baited game cameras to enumerate wildlife.



Above: A few of the tiger trout Kristen released



Above: Kristen encountered some very rugged terrain around Lander, WY



Upcoming Activities

- Ennis NFH employees will continue to abide by COVID-19 safety protocol.
- Construction will continue on the water 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
- Steve Nelson – Maintenance Worker

Contact Information

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