

Monthly Report

FEBRUARY 2020

GAVINS POINT NFH



Pallid Sturgeon (*Scaphirhynchus albus*)

Gavins Point National Fish Hatchery—Yankton, SD

Flathead Chub Presentation

Nick Starzl gave a presentation about spawning flathead chubs at the Mid-Continent Cool Water Fish Culture Workshop. This is a surrogate species for other chub species that are petitioned for being listed.

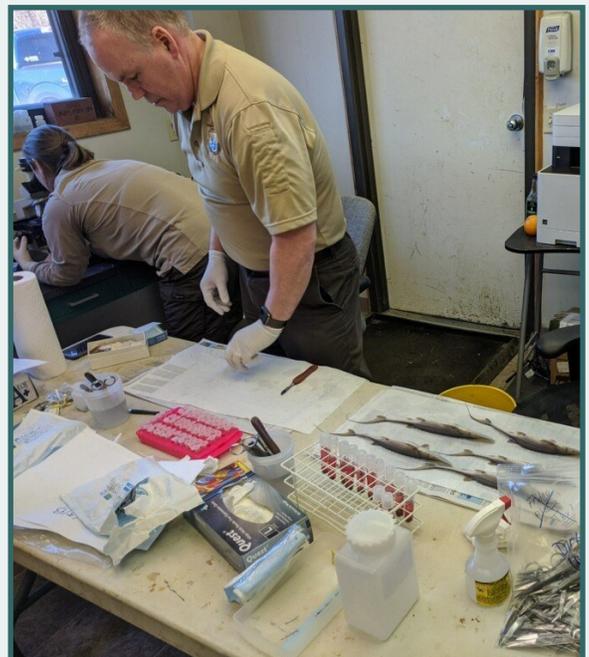


Pallid Sturgeon Fish Health

Fish health project leaders from Region 6 and Region 3 completed a comprehensive fish health assessment at Gavins Point. The goal is to standardize fish health assessments across regions and improve the documentation for fish condition. This was the pilot year for this cross-regional program and the implementation was very successful.

Staging Razorback Suckers

Chris Hooley ultrasounded 160 adult razorback suckers for the USGS. He was determining sex, and reproductive status for the fish which are part of a large study determining if selenium is transferred from the adult to offspring.



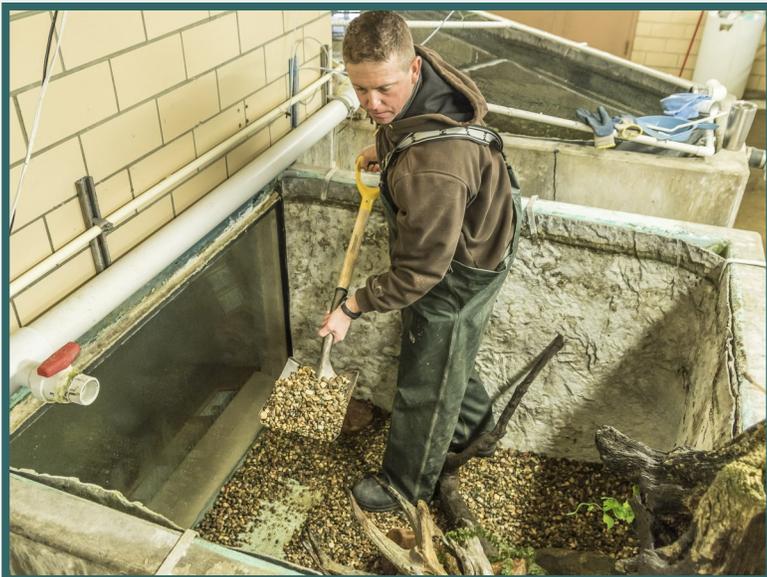
Generator Repairs

Tim Schroeder's ingenuity saved the station over sixty percent of the cost of replacing the generator's radiator. Due to the age of the generator, options were limited for purchasing the radiator. Tim worked with a local radiator company to construct a suitable replacement for a fraction of the cost.



Aquarium Prep

Sam completed the annual off-season cleaning of the large aquarium displays. This process takes several months and requires washing every part of each of the 13 displays as well as repair and some redesign.



KWS Dace Spawning

Several hundred KWS dace were hatched and produced through the month of February. The dace appear to be group spawners, our success really improves when each female is allowed to spawn with multiple males.



Looking Ahead

- *Upper Basin Pallid Meeting*
- *Pallid Broodstock collection*
- *Fish Production Pond Filling*
- *Fish Production Coordination Calls*
- *YCC applications will be collected in March for summer employment*

Hatchery Staff

Jeff Powell—Project Leader

Nick Starzl—Assistant Project Leader

Diane Von Eschen—Admin. Officer

Tim Schroeder—Maint. Mechanic

Chris Hooley—Fish Biologist

Sam Stukel—Fish Biologist

Terry Hall—Biological Science Tech

In Brief

- Gavins Point hosted the monthly Friends Group meeting at the hatchery. Major topics included planning for the upcoming fishing derby and the natural resource college scholarship.
- Sam served as a consultant for Denise Wagner as she developed an elementary-level science lesson based on paddlefish.
- Two staff members attended the Dakota AFS meeting and Summit Meeting in Spearfish South Dakota.
- Jeff Powell attended the Pallid Population Assessment Meeting which was hosted by the ACOE. Broodstock collection was one topic that was resolved.
- Staff participated on 14 conference calls covering various topics throughout the month.
- Fish eggs were delivered to two schools in South Dakota for the trout in the classroom program.
- Sam spoke about pallid sturgeon at the local Optimists Club meeting.



Black crappie

Species	Lot Number	Purpose	Number	FPP	Length	Biomass
Flathead Chubs	FHC-GAP-2018-Verdigree	Forage	2600	72	2.9	36
Flathead Chubs	FHC-GAP-2018-Bow	Forage	300	72	2.9	4
Flathead Chubs	FHC-GAP-2018-Pearl	Forage	298	41	2.9	7
Flathead Chubs	FHC-GAP-2019-Verdigree	Restoration	6017	789	1.5	5
Flathead Chubs	FHC-GAP-2019-Bow	Restoration	588	645	1.7	1
Flathead Chubs	FHC-GAP-2019-Pearl	Restoration	126	630	1.6	0
Flathead Chubs	FHC-GAP-Bow-2017-Wild	Wild Brood	30	6	7.5	5
Flathead Chubs	FHC-GAP-Bull-2019-Wild	Wild Brood	63	21	4.3	3
Flathead Chubs	FHC-GAP-Bull-2020-Wild	Wild Brood	130	54.3	2.5	2
Flathead Chubs	FHC-GAP-Verdigree-2015-Wild	Wild Brood	10	5.8	7.6	2
Flathead Chubs	FHC-GAP-Verdigree-2020-Wild	Wild Brood	141	18.7	2.5	8
Flathead Chubs	FHC-GAP-Pearl-2017-Wild	Wild Brood	11	5.2	7.9	2
Pallid Sturgeon	PLS-GAP-Captive-1997	Brood	15	0.06	44.1	240
Pallid Sturgeon	PLS-GAP-Captive-1998	Brood	21	0.14	35.5	154
Pallid Sturgeon	PLS-GAP-Captive-1999	Brood	27	0.09	40.2	298
Pallid Sturgeon	PLS-GAP-Captive-2001	Brood	14	0.09	40.0	153
Pallid Sturgeon	PLS-GAP-Captive-2002	Brood	41	0.09	39.9	444
Pallid Sturgeon	PLS-GAP-Captive-2003	Brood	120	0.15	34.6	804
Pallid Sturgeon	PLS-GAP-Captive-2004	Brood	253	0.21	31.0	1180
Pallid Sturgeon	PLS-GAP-Captive-2005	Brood	231	0.19	32.2	1219
Pallid Sturgeon	PLS-GAP-Captive-2006	Brood	71	0.12	37.3	616
Pallid Sturgeon	PLS-GAP-Captive-2007	Brood	219	0.16	33.6	1348
Pallid Sturgeon	PLS-GAP-Captive-2008	Brood	191	0.18	32.9	1082
Pallid Sturgeon	PLS-GAP-Captive-2009	Brood	122	0.09	39.6	1285
Pallid Sturgeon	PLS-GAP-Captive-2010	Brood	113	0.18	32.6	622
Pallid Sturgeon	PLS-GAP-Captive-2011	Brood	27	0.20	31.8	137
Pallid Sturgeon	PLS-GAP-Captive-2012	Brood	26	0.23	30.4	114
Pallid Sturgeon	PLS-GAP-Captive-2013	Brood	61	0.25	29.5	242
Pallid Sturgeon	PLS-GAP-Captive-2014	Brood	26	0.57	23.1	46
Pallid Sturgeon	PLS-GAP-Captive-2015	Brood	52	0.65	22.2	80
Pallid Sturgeon	PLS-GAP-Captive-2016	Brood	39	0.65	22.2	60
Pallid Sturgeon	PLS-GAP-Captive-2017	Brood	57	0.76	21.2	75
Pallid Sturgeon	PLS-Wildbrood-LMR	Wild Brood	18	0.1	39.0	180
Pallid Sturgeon	PLS-MOW-GAP-19	Recovery	2198	6.68	11	329
KWS Dace	KWSD-GAP-Wild	Wild Brood	26	31.4	2	1
KWS Dace	KWSD-GAP-F1-Refugia	Recovery	102	850	100	1
KWS Dace	KWSD-GAP-F1	Research	717	846.6	1.3	1
Rainbow Trout	RBT-GAP-Derby	Derby	3500	1.5	13	2333
Rainbow Trout	RBT-GAP-EED-FEB20	Forage	75000	8018	0.5	15
Rainbow Trout	RBT-GAP-EED-FEB20	Forage	120000	1328	0.9	35
Rainbow Trout	RBT-GAP-ARD-JAN20	Forage	75000	400	1.8	215
Largemouth Bass	LMB-GAP-Brood	Brood	60	0.5	16	120
Smallmouth Bass	SMB-GAP-Brood	Brood	17	1	12	17
Black Crappie	BLC-GAP-Brood	Brood	100	2.78	10	36
Bluegill	BLG-GAP-Brood	Brood	55	2.4	9	23
40 Species	Aquarium	Display	250			1500