

Monthly Report

JANUARY 2020

GAVINS POINT NFH



Pallid Sturgeon (*Scaphirhynchus albus*)

Gavins Point National Fish Hatchery—Yankton, SD

2010 YC Reproductive Status

Terry Hall and Chris Hooley ultra sounded 153 pallid sturgeon to assess reproductive maturity. Jason Kral from the Great Plains FWCO took part and was trained on how to accurately ultrasound and stage pallid sturgeon.



USGS Razorback Study

Nick Starzl and Terry Hall have been assisting the USGS since the fall with monthly analysis for the selenium toxicity study. The USGS is co-located at the hatchery and facilities share resources throughout the year.

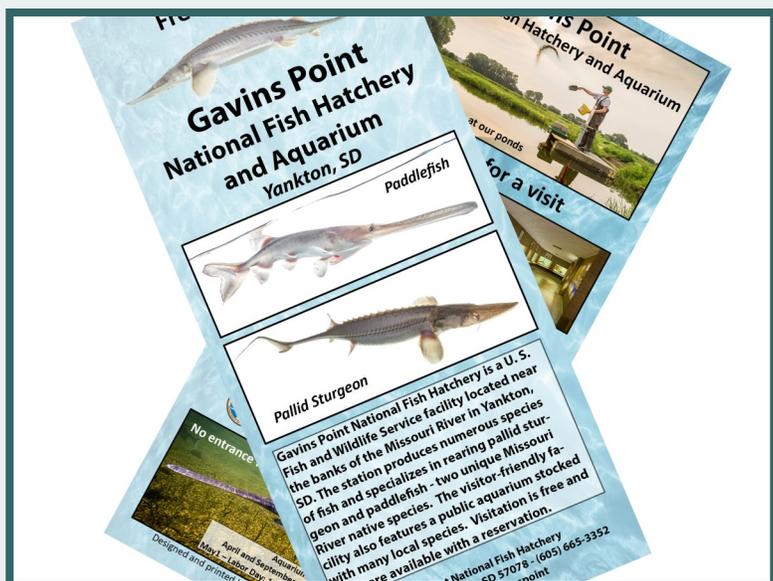
KWS Dace Spawning Boxes

Kendall's Warm Springs Dace spawning boxes were constructed to prevent the adults from eating the eggs. These spawning boxes have a false floor allowing eggs to fall below a screen before they are eaten. The first prototypes had the false floor too far away from the bottom of the spawning box resulting in unfertilized eggs. It is a delicate balance between saving the eggs but still keep them accessible for males to fertilize them.



D.C. Booth Photo Session

Select items in the archives at DC Booth NFH got their moment in front of the camera when Sam traveled to Spearfish to help with a photo documentation project. This work spanned two days on-site (plus plenty of prep and editing time) and produced a set of images useful for numerous DC Booth purposes.



Friends Group Rack Cards

Sam designed a new “rack card” for the Friends of Gavins Point NFH group. The previous card had been used for decades and an update was overdue. This front-and-back informational card will highlight things visitors can see and do at the hatchery.

New Shop Walls

Terry lead an effort to do mold mitigation work inside the Endangered Species Building shop. The wood walls and other wood structures were torn out and are being replaced with a mold resistant product. Originally this was a DM project but will be completed on site.



Looking Ahead

- *Mid-Continent Fish Culture Workshop*
- *Dakota Chapter AFS*
- *Fish Culture Equipment repairs*
- *Generator Repairs*
- *Captive Broodstock Reduction Plan*

Hatchery Staff

Jeff Powell—Project Leader

Nick Starzl—Assistant Project Leader

Diane Von Eschen—Admin. Officer

Tim Schroeder—Maint. Mechanic

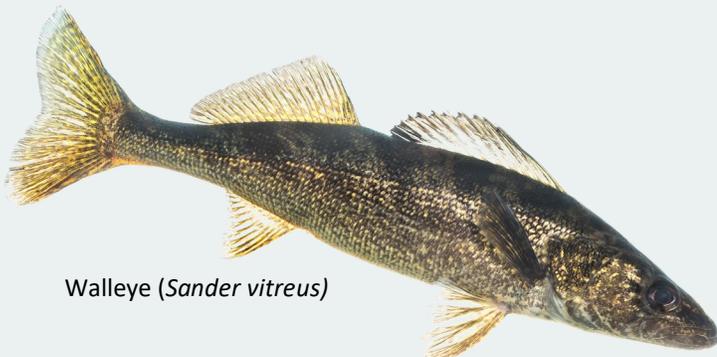
Chris Hooley—Fish Biologist

Sam Stukel—Fish Biologist

Terry Hall—Biological Science Tech

In Brief

- Sam delivered rainbow trout eggs to numerous eastern SD schools for the Trout In the Classroom program , did a local radio interview about the hatchery and started the annual winter cleanout at the Aquarium.
- Three staff members attended the middle basin sturgeon meeting in St. Joseph Missouri.
- Tim completed his pesticide applicators license, one day was spent in Yankton while the other day he traveled to Sioux Falls for the training.
- The well shed tin was installed, completing the project and a water pump was replaced for the backup generator.
- Tim is moving the domestic waterline in the ESB building. Typically garden hoses have to be strung out over the walkways creating a tripping hazard. These new spigots locations mitigate those hazards.
- KWS Dace annual report was submitted.
- Blue Dog State Fish Hatchery folks traveled to Gavins Points to learn about their zebra mussel control measures.



Walleye (*Sander vitreus*)