

Tishomingo National Fish Hatchery

Monthly Report
December 2014



Aquatic Species Conservation and Management And Cooperation with Native Americans

A planning meeting was held with the Tishomingo NFH and the Cheyenne and Arapaho Tribes to discuss stocking possibilities and view possible sites to stock recreational fish species on tribal trust lands near El Reno, Oklahoma. The tribes are interested in removing non-native species such as the common carp and improving recreational fishing on these lands for tribal members.

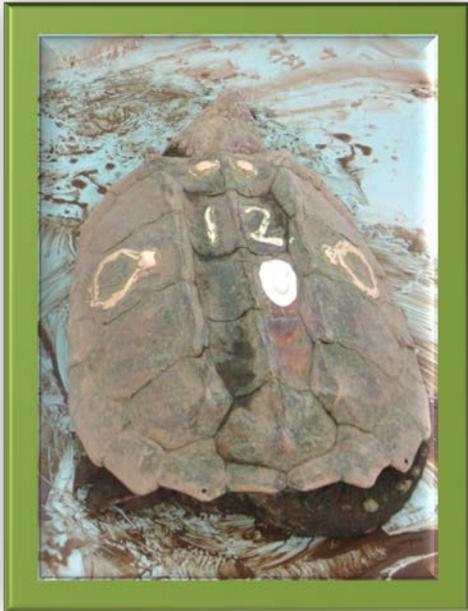


Cheyenne and Arapaho tribal pond.

Leadership in Science and Technology And Aquatic Species Conservation and Management

Alligator snapping turtles are thriving at Tishomingo NFH and so are research opportunities with our Missouri State University volunteers. Thirty-two alligator snapping turtles, eight from 2012 class and 24 from 2010 class, were returned to the hatchery this month after four-month-long studies were completed. Graduate student Carolyn Kupac, under the supervision of Dr. Day Ligon, has been studying the oxygen demand at different temperatures for these turtles. The preliminary result has shown that the alligator snapping turtles have very little capacity to absorb dissolved

oxygen through the skin. Ms. Kupac has also been assessing the ability of alligator snapping turtles to absorb vitamin D through ultra-violet light as compared to absorption through diet.



Alligator snapping turtle returning from Missouri..



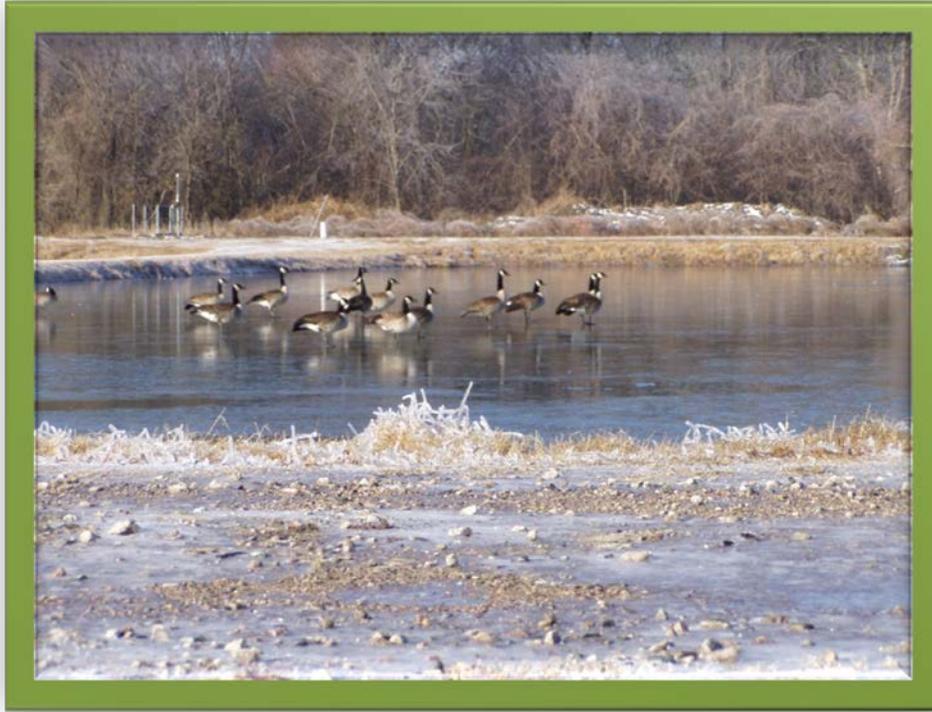
Dr. Day Ligon and graduate student use radio transmitters to locate alligator snapping turtles.

Facilities



Grounds and pond maintenance tasks at Tishomingo NFH

Hatchery maintenance tasks are ongoing with heavy equipment, vehicles, buildings, and ponds. The staff has removed sediment from lined ponds and reduced vegetation in other ponds on the hatchery.



*Canada geese enjoy an icy pond
at Tishomingo NFH..*

U.S. Department of the Interior
U.S. Fish & Wildlife Service
<http://www.fws.gov/southwest/fisheries/tishomingo/index.html>
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