

Condition of all structures (i.e. spillway, boat ramp, level regulators, etc.):

No structures are found at Draper Dam. Dam and spillway are in good condition.

Field observations of aquatic vegetation conditions:

Submergent vegetation consists of dense mats of various species of pondweeds throughout much of the lake. Emergent vegetation surrounds about 95% of the shoreline and consists of cattails, rushes, sedges and phragmites.

CHEMICAL DATA

Field observations of water quality and pollution problems:

No pollution problems were evident at the time of the survey. Water clarity was fair with a secchi disc reading of 2.5 feet. Other water quality characteristics were measured in the field on July 21, 2009, using a HACH water quality kit, an Oyster meter and a YSI 55 meter. Results are found in Table 1.

Presence of a thermocline and depth from surface: No
Station for water chemistry located on attached map: Yes

Table 1. Water chemistry results from Draper Dam, Jones County, July 21, 2009.

Station	Depth (ft)	Temp (F)	DO (ppm)	CO2 (ppm)	ALK (mg/l)	Hardness (mg/l)	pH	Secchi disc (ft)
A	Surface	74.7	7.21	45.6	387	1347	7.43	2.5
A	12	71.6	6.20	13.6	391	--	7.34	

BIOLOGICAL DATA

Methods:

Draper Dam was sampled on July 21-22, 2009, with five overnight trap net sets. The trap nets have 3ft x 5ft frames, 60ft leads, and 3/4 inch knotted mesh. No experimental gill nets set or electrofishing done during this survey season. Fish indices and statistics were completed using Winfin.

Results and Discussion:

On July 21, five overnight trap nets were set to do an annual population survey on Draper Dam now that the lake has filled. The nets were checked again on July 22 and no fish were found in any of the nets so the nets were pulled. Stockings will need to be made in the near future to get a fish population started again. A largemouth bass fingerling stocking of 1,200 fish was done late summer in 2009. This should be a good start in a lake void of any fish.

RECOMMENDATIONS

1. Resurvey in 2012 to further monitor the fish population.
2. Stock largemouth bass adults, juveniles and fingerlings to establish a population.
3. Stock bluegill adults to start to establish a population.