

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 feet. Other water quality characteristics were measured in the field on June 18, 2012, using a HACH water quality kit and a Hanna multiparameter 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, June 18, 2012.

Station	Depth (ft)	Temp (F)	DO (ppm)	CO2 (ppm)	ALK (mg/L)	HRD (mg/L)	pH	Cond. (µS/cm)	TDS (ppm)	Sal.	ORP	Secchi (ft)
A	Surface	78.27	11.70	40.6	290	1271	8.99	3192	--	--	69.4	2
A	10	74.12	2.59	39.4	374	1078	8.75	--	--	--	75.3	

BIOLOGICAL DATA

Methods:

Draper Dam was sampled on June 18-19, 2012, with four overnight trap net sets. The trap nets have 3ft x 5ft frames, 60ft leads, and ¾ 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 June 18, four trap nets were set to check in on the fish populations in Draper Lake. The nets were pulled on June 19 after only a couple fish were sampled. The fish sampled were 2 bluegills. The only other things netted were some large crayfish. This was very surprising as the lake has remained full for a couple years now and a largemouth bass fingerling stocking was done in 2009 after the last survey revealed no fish. Nothing has survived even though the lake has been full and looks like it should hold fish. Things will be monitored again in three years on the cycle of surveys and if nothing shows up, a management adjustment may need to be made.

RECOMMENDATIONS

1. Resurvey in 2015 to monitor the fish population and reevaluate the ability of the lake to sustain fish populations.
2. Stock largemouth bass adults, juveniles and fingerlings to establish a population.
3. Stock bluegill adults to start to establish a population.