

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

2102-F-21-R-47

Name: County Line Dam

County(ies): Lyman

Legal Description: T109N-R79W-Sec. 6

GPS: 44.18444°N 100.36219°W

Location from nearest town: 12 miles south and 1 mile west of Ft. Pierre

Date of present survey: June 16-17, 2014 (netting)

Date of last survey: None known

Most recent lake management plan: None done

Management classification: Unknown

Primary Game Species	Secondary and Other Species
Largemouth Bass	Bluegill

PHYSICAL DATA

County Line Dam is located in Lyman County, South Dakota. The surrounding land and dam grade are owned and managed by the United States Department of Agriculture, Forest Service and is part of the Fort Pierre National Grasslands. County Line Dam is a 6.4 acre pond that had a maximum depth at the time of the survey of about 3.5 feet. Water level was full and running over.

The main submergent vegetation was clasping leaf pondweed, white crow foot and sago pondweed. Very little emergent vegetation was present. There is very limited boat access and it would be limited to a canoe or small duck boat that can be loaded and unloaded by hand. Good ice fishing opportunities do exist. No contour map or depth contour has ever been done.

CHEMICAL DATA

Field observations of water quality and pollution problems:

No pollution problems were evident at the time of the survey. Water clarity was good with a secchi disc reading of 3.5 feet. A temperature and dissolved oxygen profile was the only other water quality measurements done this survey and the results can be found in Table 1.

Table 1. Water chemistry results from County Line Dam, Lyman County, June 16, 2014.

Station	Depth (ft)	Temp (F)	DO (ppm)
A	0	71.1	11.1
A	2	67.6	10.5

BIOLOGICAL DATA

Methods:

County Line Dam was sampled on June 16-17, 2014, with three overnight trap net sets. The trap nets have 3ft x 5ft frames, 60ft leads, and $\frac{3}{4}$ inch knotted mesh. No experimental gill nets or electrofishing was done this survey season. Fish indices and statistics were completed using Winfin.

Results and Discussion:

The survey of County Line Dam was just an inventory survey to see what is actually found in the lake. Three over night trap net sets revealed no fish present. It was also determined that County Line Dam is too shallow to support fish and will not receive any more stockings or surveys. One stocking of 100 juvenile largemouth bass was made in 2008 with no survival found.

RECOMMENDATIONS

1. Do no more fisheries work on County Line Dam and the lake is too shallow when full to support fish life for any extended period.