

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

2102-F-21-R-47

Name: Look Out Dam **County(ies):** Lyman
Legal Description: T108N-R79W-Sec. 20 **GPS:** 44.14217°N 100.33570°W
Location from nearest town: 15 miles S and 0.5 miles E of Ft. Pierre

Date of present survey: June 17-18, 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	

PHYSICAL DATA

Look Out 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. Look Out Dam is a 3.2 acre pond that had a maximum depth at the time of survey of about 11.5 feet.

The main submergent vegetation was sago pondweed and white crow foot. Emergent vegetation consisted of a mix of cattails, rushes and sedges. There is very limited boat access, which is 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 excellent with a secchi disc reading of 8 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 Look Out Dam, Lyman County, June 17, 2014.

Station	Depth (ft)	Temp (F)	DO (ppm)
A	0	69.1	9.8
A	3	69.1	9.1
A	6	65.8	6.8
A	7	64.8	2.2
A	8	63.7	0.5
A	9	63.3	0.4
A	10.5	63.0	0.3

BIOLOGICAL DATA

Methods:

Look Out Dam was sampled on June 17-18, 2014, with three overnight trap net sets. The trap nets have 3ft x 5ft frames, 60ft leads, and ¾ 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:

Table 2. Total catch of 3, overnight ¾-inch frame nets at Look Out, Lyman County, June 17-18, 2014.

Species	#	%	CPUE	80% C.I.	Mean CPUE*	PSD	RSD-P	Mean Wr
Largemouth Bass	4	100	1.33	± 0.62	0.0	--	--	95

*First year sampled

The survey on Look Out Dam was just an inventory survey to see what is actually found in the lake. After setting three nets for one night and only catching four largemouth bass, the nets were pulled. No other info is known about the fish populations at this time.

RECOMMENDATIONS

1. Resurvey, when time allows, to further monitor any fish populations that may be stocked.
2. Attempt to electrofish to see what type of largemouth bass populations actually exists.
3. Stock a panfish species to provide added opportunity.