



**Table 1.** Water chemistry results from South Lake Flat Dam, Lyman County, June 10, 2013.

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	70.90	4.08	40.6	136	--	7.91	197	99	0.09	2.5	1.0
A	10.5	72.72	2.88	33.4	70	--	7.76	245	120	0.12	-40.6	

## **BIOLOGICAL DATA**

### **Methods:**

South Lake Flat Dam was sampled on June 10-11, 2013, 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 during this survey season. Fish indices and statistics were completed using Winfin.

### **Results and Discussion:**

#### **Trap Net Catch**

**Table 2.** Total catch of three, overnight ¾-inch frame nets at South Lake Flat Dam, Lyman County, June 10-11, 2013.

Species	#	%	CPUE	80% C.I.	Mean CPUE*	PSD	RSD-P	Mean W <sub>r</sub>
Largemouth Bass	8	100	2.7	± 3.7	0.0	--	--	97

\*First year sampled

The survey on South Lake Flat Dam was just an inventory to see what is actually found in the lake. After setting three nets and only catching eight largemouth bass, the nets were pulled. The eight largemouth bass were not enough to really make any inferences about the population and the fish looked to be all from one year class. The bass population is a start and the lake looks like it should be able to hold other species as well. Some stockings will need to be made to provide added opportunities.

## **RECOMMENDATIONS**

1. Resurvey, when time allows, to further monitor any fish populations that may be stocked.
2. Attempt to electrofish to further see what type of largemouth bass population does exist.
3. Stock a panfish species to provide added opportunity.
4. Stock largemouth bass to help the existing population out if it is determined to be needed.