

Tellico Reservoir

Annual Report 2006

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## Tellico Reservoir - 2006

### Largemouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Fair	Substock CPUE (per hr)	Electrofishing	5.7/hr
Structure	Fair	PSD	Electrofishing	45
Density	Good	CPUE $\geq$ Stock Size (203 mm) (per/hr)	Electrofishing	43.0/hr
	Fair	CPUE $\geq$ Minimum Size Limit (356 mm) (per hr)	Electrofishing	10.3/hr
Number Caught	Good	Angler Catch	Creel Survey	82,506
Quality	Excellent	Average Weight	Creel Survey	1.2 kg
Value of Fishery*	Good	Trip Expenditures (\$)	Creel Survey	\$374,920

(\*all black bass combined under intended species was used)

Fishery Forecast: The TWRA's electrofishing catch rates for largemouth remain good, but the samples indicate the number of quality-size fish in the population has declined. Creel suggest, however, that a quality fishery exists with an average weight of largemouth caught at 1.2 kg.

Management Recommendations: The creel limit was changed from a 356mm/2 to a straight 356 mm minimum length limit in 2001. No changes are planned in the near future.

### Smallmouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Poor	Substock CPUE (per hr)	Electrofishing	2.3/hr
Structure	Poor	PSD	Electrofishing	32
Density	Fair	CPUE $\geq$ Stock Size (178 mm) (per hr)	Electrofishing	7.3/hr
	Poor	CPUE $\geq$ Minimum Size Limit (457 mm) (per hr)	Electrofishing	0.0/hr
Number Caught	Fair	Angler Catch	Creel Survey	13,768
Quality	Excellent	Average Weight	Creel Survey	1.5 kg
Value of Fishery*	Good	Trip Expenditures (\$)	Creel Survey	\$374,920

(\*all black bass combined under intended species was used)

Fishery Forecast: A 457 mm minimum length limit was placed on smallmouth in 2003. This length limit is designed not only to increase the number of smallmouth in the reservoir, but to improve the overall size structure of the fishery.

Management Recommendations: We encourage anglers to be patient with the new limit for several years to determine its effectiveness at improving the quality of the fishery.

## Spotted Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Good	Substock CPUE (per hr)	Electrofishing	8.0/hr
Structure	Poor	PSD	Electrofishing	22
Density	Poor (too high)	CPUE $\geq$ Stock Size (178 mm) (per hr)	Electrofishing	43.3/hr
	Poor (too high)	CPUE $\geq$ Minimum Size Limit (none) (per hr)	Electrofishing	51.3/hr
Number Caught	Poor	Angler Catch	Creel Survey	7,754
Quality	Good	Average Weight	Creel Survey	1.0 kg
Value of Fishery	Good	Trip Expenditures (\$)	Creel Survey	\$374,920

(\*all black bass combined under intended species was used)

Fishery Forecast: Anglers are encouraged to harvest this species for the table because they compete with the more desirable and larger growing largemouth and smallmouth bass.

Management Recommendations: Continue to encourage anglers to harvest spotted bass.

## White Crappie

Population Parameter	Annual Rating	Measure	Gear	Value
Structure	Good	PSD	Electrofishing	100
Density	Fair	CPUE $\geq$ Stock Size (127 mm) (per hr)	Electrofishing	3.0/hr
	Poor	CPUE $\geq$ Minimum size Limit (254 mm) (per hr)	Electrofishing	1.3/hr
Angler Hours*	Good	Fishing Effort (hr)	Creel Survey	67,903 hr
Fishing Success*	Excellent	Angler Catch Rate (per hr)	Creel Survey	2.0/hr
Number Caught*	Excellent	Angler Catch	Creel Survey	144,205
Quality	Fair	Average Weight	Creel Survey	0.3 kg
Value of Fishery*	Good	Trip Expenditures (\$)	Creel Survey	\$179,670

(\*all crappie combined)

Fishery Forecast: We collected decreased numbers of crappie in our 2006 sample, but anglers have caught excellent numbers of crappie during the past several years as determined by our creel survey.

Management Recommendations: No changes in creel limits are planned for the future.

**Stocking and Stocking Evaluations**

Species	Number Stocked	Mark	Evaluation	Value
Rainbow Trout	1,000	NA	NA	NA
Walleye	44,228	NA	NA	NA

**Habitat Enhancement and Monitoring**

Water Quality	Temperature	July-August (Satisfactory)
	D.O.	July-August (Satisfactory)

## Tables

Table 1. Tellico Reservoir physical and chemical characteristics.

Surface Area	6,498 hectares
Full Pool Elevation	248 m-msl
Mean Annual Fluctuation	1.8 m
Shoreline Distance	575 km
Total Developed Shoreline	7%
Maximum Depth	23.8 m
Thermocline Depth	4 m (Aug 2006)
Trophic Status (Forebay)	Mesotrophic
Mean Chlorophyll (Forebay)	6.2 mg/L
Trophic Index Value	49.2
Hydraulic Retention Time	37 days
Reservoir Age	25 years

Table 2 Tellico Reservoir fish stockings 1993 - 2006.

<b>Species</b>	<b>Date</b>	<b>Rate (per acre)</b>	<b>Size Group (in.) Range</b>	<b>Total Stocked</b>
Walleye	May-June 1993	0.5	1.5	7,751
	May 1994	5.9	1.5	94,725
	May 1995	7.7	1.5	123,848
	May 1998	10.2	1.5	162,991
	May 2000	4.5	1.5 - 2.0	71,733
	May 2002	9.7	1.0 - 2.5	155,750
	May 2004	5.9	1.5 - 2.0	94,689
	may 2006	2.8	0.8 - 2.8	44,228
Rainbow Trout	1993	2.7	Adult	43,562
	1994	1.0	Adult	16,046
	1995	2.5	Adult	40,110
	1996	1.8	Adult	28,412
	1997	0.5	Adult	8,087
	1998	0.4	Adult	5,992
	1999	0.3	Adult	5,016
	2000	0.6	Adult	9,413
	2001	0.4	Adult	6,016
	2002	0.4	Adult	6,038
	2003	0.5	Adult	7,492
	2004	0.4	Adult	6,004
	2005	0.1	Adult	1,001
	2006	0.1	Adult	1,000
Brown Trout	1998	0.3	Adult	4,797
	1999	0.9	Advanced Fingerlings	13,960
	2003	0.9	Fingerlings	14,524



Table 3. Relative stock density, mean relative weight, and catch per unit effort by RSD category for target species collected in Tellico Reservoir 1998-2006.

Species	Year	Gear	# Samp.	Substock			RSD-stock				RSD-quality				RSD-preferred				RSD-memorable				RSD-trophy				Total		PSD	
				No.	CPE	Pct.	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	
Largemouth Bass	1998	Ele	16	27	6.8	14.4	78	19.5	41.7	79.9	66	16.5	35.3	82.2	8	2.0	4.3	84.9	8	2.0	4.3	93.2	0	0.0	0.0	0.0	187	46.8	51.0	
	1999	Ele	20	40	8.0	25.2	66	13.2	41.5	83.7	44	8.8	27.7	83.4	5	1.0	3.1	87.3	4	0.8	2.5	92.6	0	0.0	0.0	0.0	159	31.8	45.0	
	2000	Ele	20	37	7.4	19.1	76	15.2	39.2	79.2	70	14.0	36.1	80.6	10	2.0	5.2	89.2	1	0.2	1.0	74.6	0	0.0	0.0	0.0	194	38.8	52.0	
	2001	Ele	16	61	15.3	35.7	42	10.5	24.6	80.5	54	13.5	31.6	81.1	12	3.0	7.0	88.6	2	0.5	1.2	88.8	0	0.0	0.0	0.0	171	42.8	62.0	
	2002	Ele	16	23	5.8	11.9	63	15.8	32.6	80.8	84	21.0	43.5	83.1	22	5.5	11.4	87.1	1	0.3	0.5	97.0	0	0.0	0.0	0.0	193	48.3	63.0	
	2004	Ele	16	22	5.5	11.7	59	14.8	31.4	81.3	87	21.8	46.3	83.0	20	5.0	10.6	84.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	188	47.0	64.0	
	2005	Ele	12	45	15.0	19.5	61	20.3	26.4	80.5	92	30.7	39.8	83.5	32	10.7	13.9	86.8	1	0.3	0.4	80.3	0	0.0	0.0	0.0	231	77.0	67.0	
2006	Ele	12	17	5.7	11.6	71	23.7	48.6	79.0	42	14.0	28.7	81.7	12	4.0	8.2	92.2	3.99	1.3	2.7	95.9	0	0.0	0.0	0.0	146	48.7	45.0		
Smallmouth Bass	1998	Ele	16	11	2.8	17.7	31	7.8	50.0	73.9	9	2.3	14.5	74.3	4	1.0	6.5	77.9	6	1.5	9.7	87.6	1	0.3	1.6	87.5	62	15.5	39.0	
	1999	Ele	20	26	5.2	44.1	22	4.4	37.3	75.9	10	2.0	17.0	79.6	1	0.2	1.7	80.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	59	11.8	33.0	
	2000	Ele	20	3	0.6	12.0	12	2.4	48.0	77.1	7	1.4	28.0	75.5	2	0.4	8.0	81.4	1	0.2	4.0	85.8	0	0.0	0.0	0.0	25	5.0	45.0	
	2001	Ele	16	10	2.5	30.3	13	3.3	39.4	80.1	7	1.8	21.2	77.0	2	0.5	6.1	81.1	1	0.3	3.0	75.9	0	0.0	0.0	0.0	33	8.3	43.0	
	2002	Ele	16	10	2.5	23.8	16	4.0	38.1	86.0	9	2.3	21.4	82.5	4	1.0	9.5	81.3	3	0.8	7.1	78.3	0	0.0	0.0	0.0	42	10.5	50.0	
	2004	Ele	16	5	1.3	10.4	19	4.8	39.6	80.7	18	4.5	37.5	79.3	5	1.3	10.4	79.8	1	0.3	2.1	71.1	0	0.0	0.0	0.0	48	12.0	56.0	
	2005	Ele	12	3	1.0	7.1	21	7.0	50.0	83.1	10	3.3	23.8	81.6	5	1.7	11.9	78.6	2	0.7	4.8	75.6	1	0.3	2.4	nr	42	14.0	46.0	
2006	Ele	12	7	2.3	24.1	15	5.0	51.7	79.7	5	1.7	17.2	73.4	2	0.7	6.9	83.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	29	9.7	32.0		
Spotted Bass	1998	Ele	16	14	3.5	30.4	27	6.8	58.7	74.1	5	1.3	10.9	79.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	46	11.5	16.0	
	1999	Ele	20	51	10.2	45.1	59	11.8	52.2	73.0	3	0.6	2.7	73.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	113	22.6	5.0	
	2000	Ele	20	32	6.4	27.6	75	15.0	64.7	85.2	8	1.6	6.8	79.6	1	0.2	1.0	85.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	116	32.5	11.0	
	2001	Ele	16	43	10.8	29.1	72	18.0	48.6	84.7	33	8.3	22.2	84.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	148	37.0	31.0	
	2002	Ele	16	27	6.8	15.9	121	30.3	71.2	88.9	21	5.3	12.4	85.4	1	0.3	0.6	89.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	170	42.5	15.0	
	2004	Ele	16	24	6.0	11.5	143	35.8	68.4	84.6	39	9.8	18.7	83.3	3	0.8	1.4	90.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	209	52.3	23.0	
	2005	Ele	12	27	9.0	19.6	74	24.7	53.6	87.6	35	11.7	25.4	83.8	2	0.7	1.5	86.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	138	46.0	33.0	
2006	Ele	12	24	8.0	15.6	101	33.7	65.6	83.8	28	9.3	18.2	74.7	1	0.3	0.6	65.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	154	51.3	22.0		
White Crappie	1998	Ele	16	0	0.0	0.0	0	0.0	0.0	0.0	8	2.0	36.4	80.7	13	3.3	59.0	79.7	1	0.3	4.5	91.9	0	0.0	0.0	0.0	22	5.5	100.0	
	1999	Ele	20	0	0.0	0.0	1	0.2	4.5	80.1	5	1.0	22.7	80.0	10	2.0	45.5	79.9	6	1.2	27.3	76.2	0	0.0	0.0	0.0	22	4.4	95.0	
	2000	Ele	20	0	0.0	0.0	1	0.2	1.4	77.9	35	7.0	50.7	80.4	27	5.4	39.1	78.8	6	1.2	8.7	77.9	0	0.0	0.0	0.0	69	13.8	99.0	
	2001	Ele	16	0	0.0	0.0	0	0.0	0.0	0.0	5	1.3	35.7	74.9	8	2.0	57.1	77.2	1	0.3	7.1	78.3	0	0.0	0.0	0.0	14	3.5	100.0	
	2002	Ele	16	0	0.0	0.0	0	0.0	0.0	0.0	10	2.5	27.0	76.8	23	5.8	62.2	79.2	4	1.0	10.8	77.4	0	0.0	0.0	0.0	37	9.3	100.0	
	2004	Ele	16	0	0.0	0.0	0	0.0	0.0	0.0	14	3.5	26.4	82.7	31	7.8	58.5	80.3	7	1.8	13.2	82.0	1	0.3	1.9	0.0	53	13.3	100.0	
	2005	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	17	5.7	37.0	80.9	24	8.0	52.2	78.2	5	1.7	10.9	74.7	0	0.0	0.0	0.0	46	15.3	100.0	
2006	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	3	1.0	33.3	76.9	6	2.0	66.7	74.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	9	3.0	100.0		
Black Crappie	1998	Ele	16	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.3	100.0	85.9	0	0.0	0.0	0.0	1	0.3	100.0	
	1999	Ele	20	0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	50.0	76.1	1	0.2	50.0	79.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.4	100.0	
	2000	Ele	20	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	50.0	73.2	1	0.2	50.0	79.7	0	0.0	0.0	0.0	2	0.4	100.0	
	2001	Ele	16	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.5	66.7	80.9	1	0.3	33.3	66.8	0	0.0	0.0	0.0	3	0.8	100.0	
	2002	Ele	16	0	0.0	0.0	3	0.8	25.0	82.3	4	1.0	33.3	75.7	4	1.0	33.3	82.1	1	0.3	8.3	78.3	0	0.0	0.0	0.0	12	3.0	75.0	
	2004	Ele	16	0	0.0	0.0	1	0.3	7.7	79.2	7	1.8	53.9	79.8	4	1.0	30.8	85.9	1	0.3	7.7	71.7	0	0.0	0.0	0.0	13	3.3	92.0	
	2005	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	2	0.7	28.6	81.5	4	1.3	57.1	78.2	1	0.3	14.3	78.0	0	0.0	0.0	0.0	7	2.3	100.0	
2006	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3.9	1.3	97.7	79.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3.99	1.3	100.0		

Table 4. Mean relative weight and standard error values by size class for Tellico Reservoir largemouth bass collected during the 2006 electrofishing sample.

<b>Size Class</b>	<b>Mean Wr</b>	<b>Std. Error</b>	<b>N</b>
150	84.319	1.498	4
175	82.462	0.881	2
200	79.170	1.796	12
225	78.321	1.343	13
250	79.829	1.409	21
275	78.627	1.170	25
300	79.870	1.464	18
325	80.112	2.719	6
350	83.453	2.297	16
375	92.926	5.290	5
400	95.776	5.379	6
425			
450	81.254	5.155	3
475			
500	96.438	7.158	2
525			
550	94.906		1
575	95.723		1
<b>Total Catch</b>			<b>135</b>

Table 5. Mean relative weight and standard error values by size class for Tellico Reservoir smallmouth bass collected during the 2006 electrofishing sample.

<b>Size Class</b>	<b>Mean Wr</b>	<b>Std. Error</b>	<b>N</b>
175	81.711	2.574	5
200	81.438	2.544	6
225	80.630	4.107	2
250	76.380	3.718	3
275	74.699	3.326	2
300	71.412	2.597	3
325	81.270		1
350	85.262		1
375	81.663		1
<b>Total Catch</b>			<b>24</b>

Table 6. Mean relative weight and standard error values by size class for Tellico Reservoir spotted bass collected during the 2006 electrofishing sample.

<b>Size Class</b>	<b>Mean Wr</b>	<b>Std. Error</b>	<b>N</b>
150	89.082	2.338	5
175	87.591	2.086	18
200	85.906	1.497	25
225	83.076	1.237	27
250	80.362	1.153	25
275	76.628	2.626	23
300	75.983	3.253	10
325	74.018	12.199	3
350	65.295		1

**Total Catch** 137

Table 7. Summary of July 2006 Tellico Reservoir water quality parameters at Tellico River Mile 4

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.6	84	8.2	6.4	T04	1.5	1040	7/7/2006
1	26.5	84	7.7	6.4				
2	26.5	84	7.4	6.4				
3	26.4	84	7.3	6.2				
4	26.2	82	7.2	6.5				
5	24.2	80	7.0	2.8				
6	22.0	85	6.8	2.5				
7	21.9	86	6.8	2.4				
8	20.4	88	6.6	2.5				
9	19.6	101	6.5	2.4				
10	19.1	110	6.5	2.4				
11	18.9	115	6.5	2.0				
12	18.7	118	6.4	2.0				
13	18.7	120	6.4	2.0				

Table 8. Summary of July 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 25

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.7	33	7.2	7.6	LT25	2.5	1005	7/7/2006
1	26.7	34	7.0	7.0				
2	26.7	34	6.9	7.3				
3	26.6	34	6.9	7.3				
4	22.3	28	6.9	7.3				
5	20.5	27	6.8	7.4				
6	19.5	26	6.7	7.9				
7	19.1	26	6.7	8.1				
8	18.2	26	6.7	7.8				
9	18.4	26	6.6	7.8				
10	18.3	26	6.6	7.7				

Table 9. Summary of July 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 18

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.7	55	7.5	7.7	LT18	4.0	930	7/7/2006
1	26.7	55	7.3	7.4				
2	26.6	55	7.2	7.4				
3	26.4	54	7.2	7.6				
4	26.1	50	7.2	7.6				
5	24.5	43	7.1	7.7				
6	22.3	36	7.0	6.7				
7	19.9	31	6.9	6.2				
8	19.6	32	6.8	6.4				
9	19.2	34	6.7	6.0				
10	19.0	34	6.7	6.1				
11	18.4	40	6.6	5.2				
12	18.2	42	6.6	4.9				
13	17.9	47	6.5	5.1				
14	17.5	50	6.5	5.0				
15	17.2	55	6.4	4.1				

Table 10. Summary of July 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 3.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	25.4	84	7.9	7.7	LT03	2.3	820	7/7/2006
1	25.4	83	7.7	7.5				
2	24.5	73	7.6	7.0				
3	23.4	62	7.4	6.4				
4	21.6	45	7.3	5.4				
5	20.8	42	7.2	4.2				
6	20.6	43	7.1	3.4				
7	19.8	45	7.0	2.3				
8	18.5	58	6.9	0.8				
9	17.6	67	6.8	0.5				
10	16.8	72	6.7	0.4				
11	16.1	78	6.7	0.3				
12	15.5	81	6.7	0.2				
13	15.1	82	6.7	0.2				
14	14.7	83	6.6	0.2				
15	14.5	84	6.6	0.2				
16	14.3	84	6.6	0.2				
17	14.1	84	6.6	0.2				
18	13.7	85	6.6	0.2				
19	13.6	86	6.6	0.2				
20	13.6	86	6.6	0.2				
21	13.5	86	6.6	0.2				
22	13.5	87	6.6	0.2				
23	13.5	87	6.6	0.2				
24	13.5	87	6.5	0.2				
25	13.4	88	6.5	0.2				

Table 11. Summary of August 2006 Tellico Reservoir water quality parameters at Tellico River Mile 4

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	30.0	85	8.1	7.7	T04	2.0	1000	8/2/2006
1	29.9	86	8.1	7.2				
2	28.7	79	8.1	7.4				
3	26.9	70	7.9	7.2				
4	22.7	46	7.7	5.4				
5	20.8	44	7.4	2.8				
6	18.8	36	7.3	2.5				
7	18.5	35	7.1	2.6				
8	18.4	35	7.1	2.8				
9	18.3	34	7.0	3.0				
10	18.2	34	7.0	3.1				
11	18.1	34	6.9	3.3				
12	18.0	34	6.9	3.4				
13	17.9	34	6.9	3.3				

Table 12. Summary of August 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 25

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	28.7	38	9.3	7.2	LT25	3.0	925	8/2/2006
1	28.7	38	8.6	7.0				
2	26.7	35	8.3	8.1				
3	23.3	29	8.0	8.0				
4	21.7	29	7.8	8.0				
5	19.1	28	7.7	8.3				
6	17.9	27	7.6	8.4				
7	17.5	27	7.5	8.4				
8	17.0	26	7.5	8.4				
9	16.8	26	7.5	8.5				
10	16.7	26	7.5	8.2				
11	16.6	26	7.5	8.3				
12	16.6	26	7.5	8.0				

Table 13. Summary of August 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 18

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	29.6	60	8.8	6.7	LT18	3.3	830	8/2/2006
1	29.6	60	8.5	6.5				
2	29.5	59	8.3	6.2				
3	26.3	49	8.1	8.0				
4	23.4	41	8.0	7.6				
5	20.7	33	7.8	7.4				
6	18.7	29	7.6	7.1				
7	18.0	28	7.6	7.0				
8	17.9	28	7.6	6.7				
9	17.7	27	7.5	6.9				
10	17.7	28	7.4	6.7				
11	17.6	28	7.3	6.8				
12	17.4	29	7.3	6.4				
13	17.2	33	7.2	6.3				
14	16.8	46	7.2	4.3				
15	16.4	56	7.2	3.4				

Table 14. Summary of August 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 3.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	29.1	82	8.3	7.8	LT03	2.5	730	8/2/2006
1	29.0	86	8.1	7.3				
2	28.7	88	7.9	7.3				
3	28.0	84	7.8	7.8				
4	25.0	91	7.6	5.9				
5	22.8	65	7.5	4.7				
6	21.6	55	7.5	4.9				
7	20.1	38	7.4	4.4				
8	19.3	39	7.3	3.5				
9	18.5	40	7.2	3.0				
10	17.6	51	7.2	1.7				
11	17.3	61	7.1	0.5				
12	16.9	67	7.1	0.3				
13	16.4	73	7.0	0.2				
14	15.8	80	7.0	0.2				
15	15.7	82	7.0	0.2				
16	15.4	83	6.9	0.2				
17	15.3	85	6.9	0.2				
18	14.6	89	6.9	0.2				
19	14.5	90	6.9	0.2				
20	14.3	91	6.9	0.2				
21	14.1	93	6.9	0.2				
22	14.0	93	6.9	0.2				
23	14.0	93	6.9	0.2				
24	14.0	93	6.9	0.2				
25	14.0	94	6.9	0.2				
26	14.0	94	6.9	0.1				

Table 15. Summary of September 2006 Tellico Reservoir water quality parameters at Tellico River Mile 4

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.1	78	PH	7.0	T04	1.5	1145	9/6/2006
1	25.7	79	PH	7.0				
2	25.6	79	PH	6.7				
3	25.6	78	PH	6.8				
4	25.6	78	PH	7.2				
5	23.3	65	PH	4.4				
6	20.7	71	PH	3.7				
7	19.7	71	PH	3.7				
8	19.2	67	PH	3.5				
9	19.1	66	PH	1.5				
10	18.8	59	PH	1.3				
11	18.7	57	PH	1.0				
12	18.6	54	PH	0.3				
13	18.6	52	PH	0.3				

Table 16. Summary of September 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 25

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	25.6	40	PH	7.5	LT25	3.0	1120	9/6/2006
1	25.5	39	PH	7.5				
2	25.3	40	PH	7.3				
3	24.3	35	PH	7.4				
4	21.9	33	PH	7.2				
5	20.1	32	PH	7.0				
6	18.5	30	PH	7.3				
7	17.8	29	PH	7.6				
8	17.3	29	PH	7.7				
9	17.2	29	PH	7.7				
10	17.2	29	PH	7.7				
11	17.2	29	PH	7.7				
12	17.2	29	PH	7.5				



Table 17. Summary of September 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 18

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	25.0	53	PH	7.5	LT18	2.0	1045	9/6/2006
1	25.0	53	PH	7.5				
2	25.0	53	PH	7.5				
3	25.0	53	PH	6.8				
4	24.9	53	PH	6.9				
5	23.8	49	PH	6.4				
6	21.5	49	PH	6.4				
7	19.6	35	PH	6.3				
8	18.3	31	PH	6.6				
9	18.0	30	PH	6.5				
10	17.8	30	PH	6.8				
11	17.7	30	PH	6.8				
12	17.6	30	PH	6.4				
13	17.5	29	PH	6.4				
14	17.5	30	PH	6.6				
15	17.5	31	PH	6.6				

Table 18. Summary of September 2006 Tellico Reservoir water quality parameters at Little Tennessee River Mile 3.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	24.6	108	PH	6.8	LT03	2.0	940	9/6/2006
1	24.5	110	PH	7.2				
2	24.5	109	PH	6.6				
3	24.3	109	PH	6.4				
4	24.0	99	PH	5.8				
5	22.6	104	PH	5.0				
6	21.9	87	PH	4.6				
7	21.1	71	PH	4.1				
8	19.5	42	PH	4.4				
9	18.6	41	PH	3.9				
10	18.2	44	PH	3.2				
11	18.0	45	PH	3.0				
12	17.6	49	PH	2.3				
13	17.4	51	PH	1.8				
14	17.2	53	PH	1.5				
15	17.1	56	PH	1.3				
16	17.0	57	PH	1.4				
17	16.9	60	PH	0.7				
18	16.6	64	PH	0.4				
19	16.5	66	PH	0.2				
20	16.3	70	PH	0.2				
21	16.3	71	PH	0.2				
22	16.3	72	PH	0.2				
23	16.2	72	PH	0.2				
24	16.2	73	PH	0.2				

Table 19. Tellico Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
809.38	JANUARY	1	809.30	FEBRUARY	24	811.42	APRIL	19
809.63	JANUARY	2	809.15	FEBRUARY	25	810.82	APRIL	20
809.52	JANUARY	3	809.25	FEBRUARY	26	811.63	APRIL	21
809.50	JANUARY	4	808.52	FEBRUARY	27	812.93	APRIL	22
809.57	JANUARY	5	808.87	FEBRUARY	28	812.97	APRIL	23
809.45	JANUARY	6	809.28	MARCH	1	812.65	APRIL	24
809.16	JANUARY	7	808.76	MARCH	2	812.84	APRIL	25
809.36	JANUARY	8	808.90	MARCH	3	812.76	APRIL	26
808.55	JANUARY	9	809.14	MARCH	4	813.09	APRIL	27
807.91	JANUARY	10	809.20	MARCH	5	813.12	APRIL	28
807.93	JANUARY	11	808.16	MARCH	6	812.51	APRIL	29
808.29	JANUARY	12	807.93	MARCH	7	812.59	APRIL	30
808.59	JANUARY	13	808.62	MARCH	8	812.17	MAY	1
808.23	JANUARY	14	808.35	MARCH	9	812.07	MAY	2
807.97	JANUARY	15	808.82	MARCH	10	812.06	MAY	3
807.88	JANUARY	16	808.97	MARCH	11	812.13	MAY	4
808.12	JANUARY	17	809.20	MARCH	12	812.22	MAY	5
809.95	JANUARY	18	809.38	MARCH	13	812.48	MAY	6
810.51	JANUARY	19	809.48	MARCH	14	812.65	MAY	7
810.60	JANUARY	20	809.03	MARCH	15	812.28	MAY	8
810.29	JANUARY	21	808.85	MARCH	16	812.22	MAY	9
809.78	JANUARY	22	808.93	MARCH	17	812.07	MAY	10
810.08	JANUARY	23	808.97	MARCH	18	812.03	MAY	11
810.54	JANUARY	24	809.01	MARCH	19	812.39	MAY	12
810.45	JANUARY	25	809.23	MARCH	20	812.59	MAY	13
810.43	JANUARY	26	809.19	MARCH	21	812.67	MAY	14
810.66	JANUARY	27	809.25	MARCH	22	812.67	MAY	15
810.26	JANUARY	28	809.34	MARCH	23	812.87	MAY	16
809.17	JANUARY	29	809.50	MARCH	24	812.98	MAY	17
808.58	JANUARY	30	809.68	MARCH	25	813.08	MAY	18
808.34	JANUARY	31	809.74	MARCH	26	813.15	MAY	19
808.40	FEBRUARY	1	809.86	MARCH	27	813.17	MAY	20
808.95	FEBRUARY	2	809.84	MARCH	28	813.24	MAY	21
809.15	FEBRUARY	3	809.84	MARCH	29	813.18	MAY	22
809.50	FEBRUARY	4	809.70	MARCH	30	813.06	MAY	23
810.04	FEBRUARY	5	809.69	MARCH	31	812.92	MAY	24
810.05	FEBRUARY	6	809.85	APRIL	1	812.97	MAY	25
809.70	FEBRUARY	7	810.12	APRIL	2	812.94	MAY	26
809.54	FEBRUARY	8	810.30	APRIL	3	812.91	MAY	27
809.50	FEBRUARY	9	810.28	APRIL	4	812.91	MAY	28
809.37	FEBRUARY	10	810.47	APRIL	5	812.82	MAY	29
809.07	FEBRUARY	11	810.76	APRIL	6	812.90	MAY	30
808.72	FEBRUARY	12	810.97	APRIL	7	813.03	MAY	31
808.77	FEBRUARY	13	811.84	APRIL	8	813.15	JUNE	1
809.59	FEBRUARY	14	812.42	APRIL	9	813.35	JUNE	2
810.12	FEBRUARY	15	812.27	APRIL	10	813.37	JUNE	3
810.02	FEBRUARY	16	812.07	APRIL	11	813.41	JUNE	4
809.91	FEBRUARY	17	811.94	APRIL	12	813.24	JUNE	5
809.41	FEBRUARY	18	811.97	APRIL	13	813.23	JUNE	6
809.35	FEBRUARY	19	811.94	APRIL	14	813.03	JUNE	7
809.12	FEBRUARY	20	812.07	APRIL	15	812.62	JUNE	8
809.51	FEBRUARY	21	812.14	APRIL	16	812.40	JUNE	9
809.41	FEBRUARY	22	811.88	APRIL	17	812.37	JUNE	10
809.66	FEBRUARY	23	811.62	APRIL	18	812.39	JUNE	11

Table 20. Tellico Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
812.25	JUNE	12	813.12	AUGUST	5	812.77	SEPTEMBER	28
812.60	JUNE	13	812.89	AUGUST	6	812.37	SEPTEMBER	29
812.60	JUNE	14	812.52	AUGUST	7	812.50	SEPTEMBER	30
812.56	JUNE	15	812.51	AUGUST	8	812.60	OCTOBER	1
812.40	JUNE	16	812.34	AUGUST	9	812.20	OCTOBER	2
812.49	JUNE	17	812.59	AUGUST	10	812.16	OCTOBER	3
812.25	JUNE	18	812.86	AUGUST	11	812.03	OCTOBER	4
812.00	JUNE	19	813.01	AUGUST	12	812.11	OCTOBER	5
812.29	JUNE	20	812.84	AUGUST	13	812.25	OCTOBER	6
812.43	JUNE	21	812.40	AUGUST	14	812.73	OCTOBER	7
812.77	JUNE	22	812.66	AUGUST	15	812.69	OCTOBER	8
812.62	JUNE	23	812.70	AUGUST	16	812.13	OCTOBER	9
812.63	JUNE	24	812.72	AUGUST	17	812.22	OCTOBER	10
812.52	JUNE	25	812.77	AUGUST	18	812.20	OCTOBER	11
812.41	JUNE	26	812.57	AUGUST	19	812.33	OCTOBER	12
812.43	JUNE	27	812.52	AUGUST	20	812.91	OCTOBER	13
812.39	JUNE	28	812.39	AUGUST	21	813.14	OCTOBER	14
812.55	JUNE	29	812.53	AUGUST	22	813.19	OCTOBER	15
812.42	JUNE	30	812.61	AUGUST	23	812.45	OCTOBER	16
812.51	JULY	1	812.41	AUGUST	24	812.42	OCTOBER	17
812.40	JULY	2	812.71	AUGUST	25	812.55	OCTOBER	18
812.42	JULY	3	812.63	AUGUST	26	812.44	OCTOBER	19
812.33	JULY	4	812.58	AUGUST	27	812.67	OCTOBER	20
812.36	JULY	5	812.73	AUGUST	28	812.55	OCTOBER	21
812.38	JULY	6	813.05	AUGUST	29	812.58	OCTOBER	22
812.18	JULY	7	813.14	AUGUST	30	812.02	OCTOBER	23
812.27	JULY	8	813.13	AUGUST	31	812.08	OCTOBER	24
812.33	JULY	9	812.75	SEPTEMBER	1	812.12	OCTOBER	25
812.24	JULY	10	812.96	SEPTEMBER	2	812.26	OCTOBER	26
812.65	JULY	11	812.92	SEPTEMBER	3	812.69	OCTOBER	27
812.49	JULY	12	812.70	SEPTEMBER	4	812.88	OCTOBER	28
812.73	JULY	13	812.61	SEPTEMBER	5	812.78	OCTOBER	29
812.77	JULY	14	812.42	SEPTEMBER	6	812.45	OCTOBER	30
812.86	JULY	15	812.11	SEPTEMBER	7	812.33	OCTOBER	31
812.73	JULY	16	812.41	SEPTEMBER	8	812.28	NOVEMBER	1
812.44	JULY	17	812.84	SEPTEMBER	9	811.95	NOVEMBER	2
812.84	JULY	18	812.68	SEPTEMBER	10	811.97	NOVEMBER	3
812.61	JULY	19	812.47	SEPTEMBER	11	812.26	NOVEMBER	4
812.77	JULY	20	812.87	SEPTEMBER	12	812.48	NOVEMBER	5
812.97	JULY	21	812.58	SEPTEMBER	13	812.04	NOVEMBER	6
812.93	JULY	22	812.41	SEPTEMBER	14	811.93	NOVEMBER	7
812.50	JULY	23	812.39	SEPTEMBER	15	812.15	NOVEMBER	8
812.59	JULY	24	812.20	SEPTEMBER	16	812.14	NOVEMBER	9
812.73	JULY	25	812.30	SEPTEMBER	17	811.70	NOVEMBER	10
812.76	JULY	26	812.51	SEPTEMBER	18	811.59	NOVEMBER	11
812.86	JULY	27	812.79	SEPTEMBER	19	811.53	NOVEMBER	12
812.78	JULY	28	813.11	SEPTEMBER	20	811.31	NOVEMBER	13
812.68	JULY	29	812.94	SEPTEMBER	21	811.23	NOVEMBER	14
812.53	JULY	30	812.83	SEPTEMBER	22	811.08	NOVEMBER	15
812.33	JULY	31	813.10	SEPTEMBER	23	811.13	NOVEMBER	16
812.75	AUGUST	1	812.88	SEPTEMBER	24	811.29	NOVEMBER	17
813.05	AUGUST	2	812.75	SEPTEMBER	25	811.06	NOVEMBER	18
812.94	AUGUST	3	812.64	SEPTEMBER	26	810.66	NOVEMBER	19
812.78	AUGUST	4	812.71	SEPTEMBER	27	810.90	NOVEMBER	20

Table 21. Tellico Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY
811.02	NOVEMBER	21
811.11	NOVEMBER	22
811.63	NOVEMBER	23
811.02	NOVEMBER	24
810.37	NOVEMBER	25
809.44	NOVEMBER	26
809.66	NOVEMBER	27
809.65	NOVEMBER	28
809.43	NOVEMBER	29
809.17	NOVEMBER	30
808.72	DECEMBER	1
809.04	DECEMBER	2
808.64	DECEMBER	3
808.61	DECEMBER	4
809.08	DECEMBER	5
809.30	DECEMBER	6
809.19	DECEMBER	7
809.24	DECEMBER	8
809.41	DECEMBER	9
809.31	DECEMBER	10
809.15	DECEMBER	11
808.95	DECEMBER	12
808.77	DECEMBER	13
808.47	DECEMBER	14
808.02	DECEMBER	15
808.55	DECEMBER	16
808.95	DECEMBER	17
808.83	DECEMBER	18
808.67	DECEMBER	19
808.40	DECEMBER	20
808.40	DECEMBER	21
808.37	DECEMBER	22
809.05	DECEMBER	23
809.22	DECEMBER	24
809.13	DECEMBER	25
808.48	DECEMBER	26
808.74	DECEMBER	27
808.79	DECEMBER	28
808.82	DECEMBER	29
808.79	DECEMBER	30
808.97	DECEMBER	31

Table 22. Tellico Reservoir fish habitat enhancement summary for 2006.

LOCATION	NEW SITES			RENOVATED SITES			EXPANDED SITES		
	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES
LTRM 3.25 R*	1	20	0.40						
LTRM 3.35 R*	1	20	0.40						
LTRM 3.36 R*	1	20	0.40						
LTRM 3.45 R*				1	20	0.40			
LTRM 1.25 L *	1	20	0.40						
LTRM 1.75 L*				1	60	1.20			
LTRM 0.15 L*				1	43	0.86			
LTRM 0.20 R*	1	44	0.88						
LTRM 0.20 R*	1	38	0.76						
LTRM 0.25 R*				1	87	1.74			
LTRM 1.45 L*				1	20	0.40			
LTRM 1.55 L*				1	20	0.40			
LTRM 1.15 L*				1	12	0.24			
	6	162	3.24	7	262	5.24			

\*Christmas trees, pallets and block

## Figures

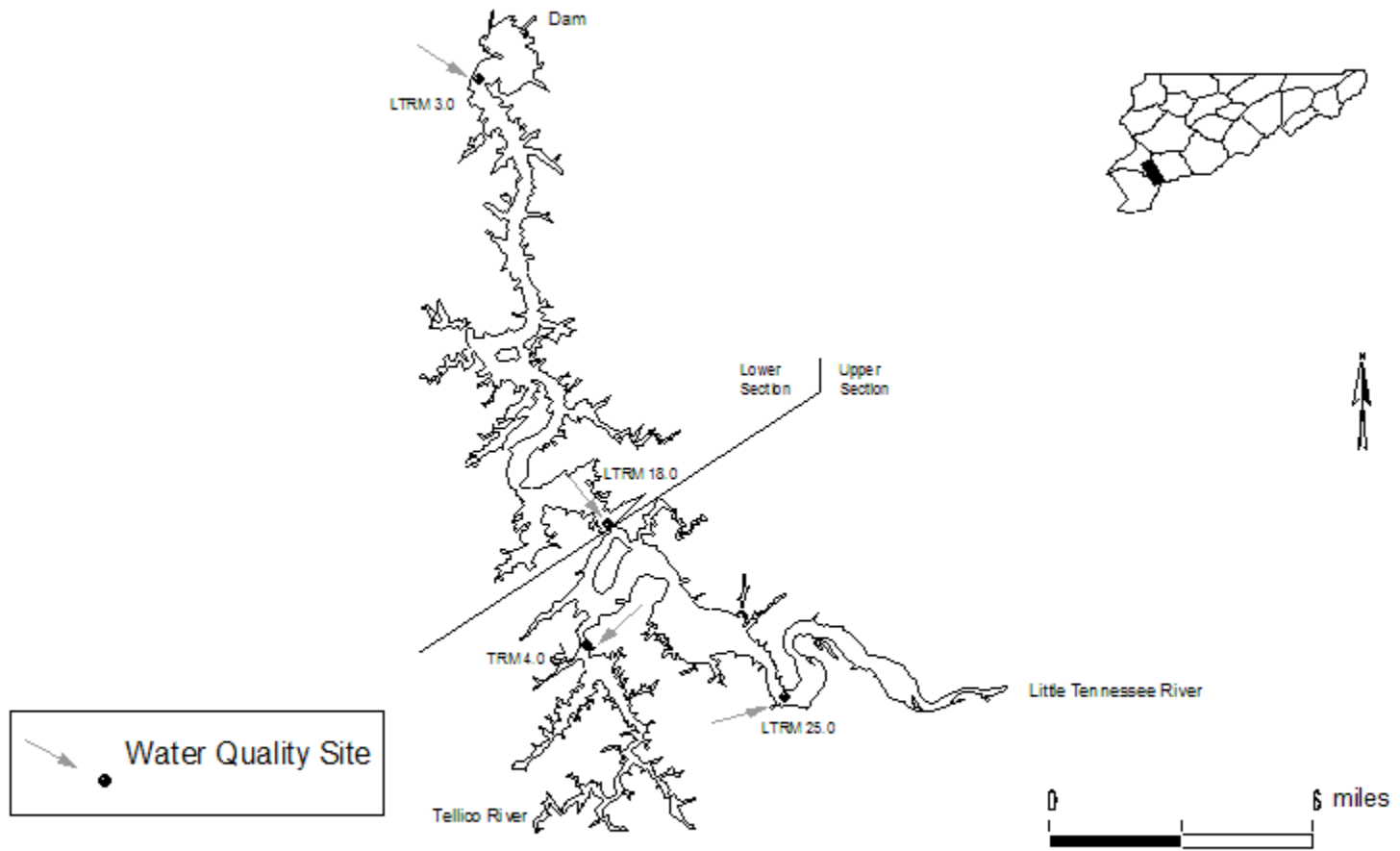


Figure 1. Water quality sites and upper and lower section boundaries of Tellico Reservoir in 2006.

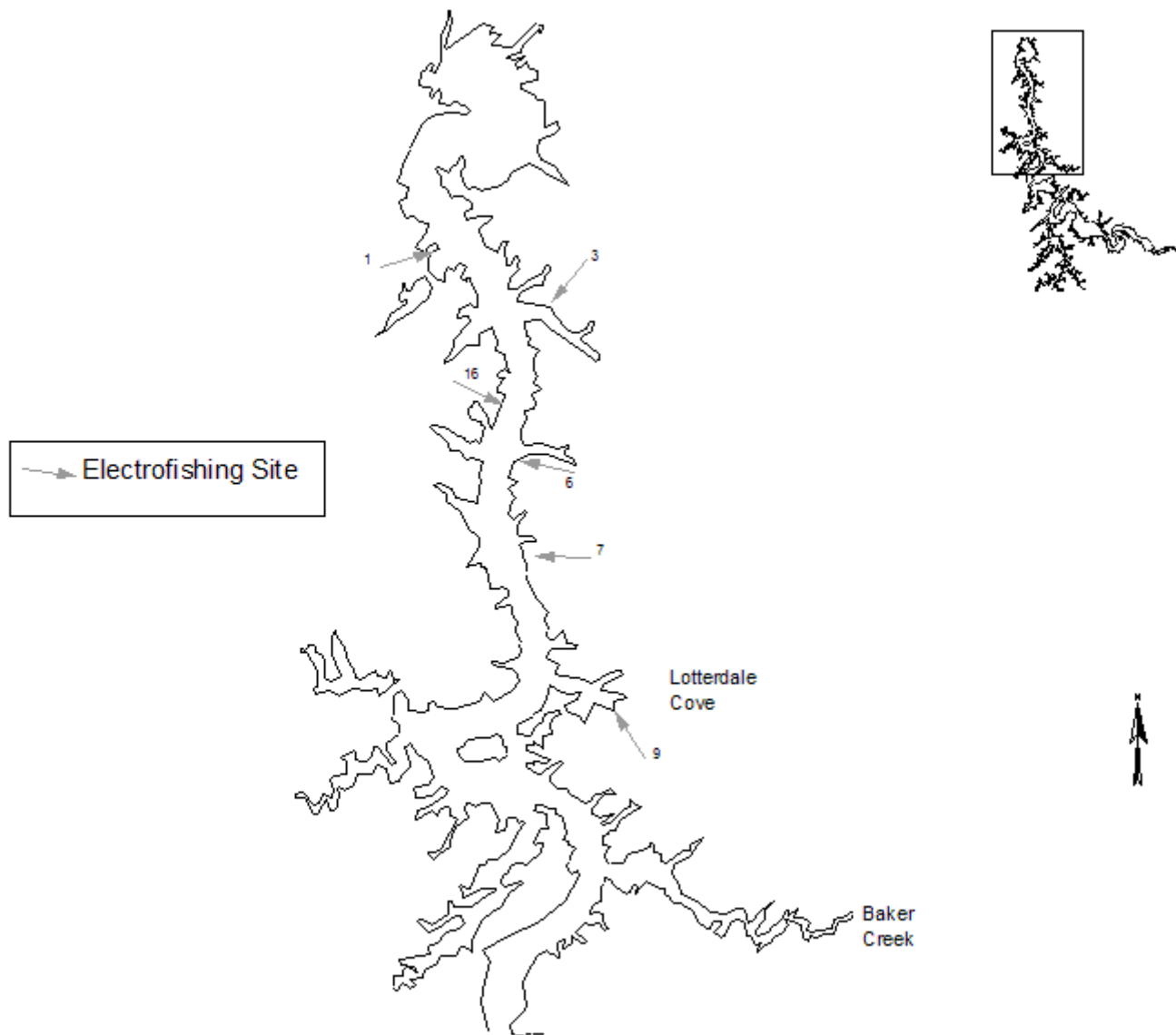


Figure 2. Electrofishing sites in the lower section of Tellico Reservoir in 2006.



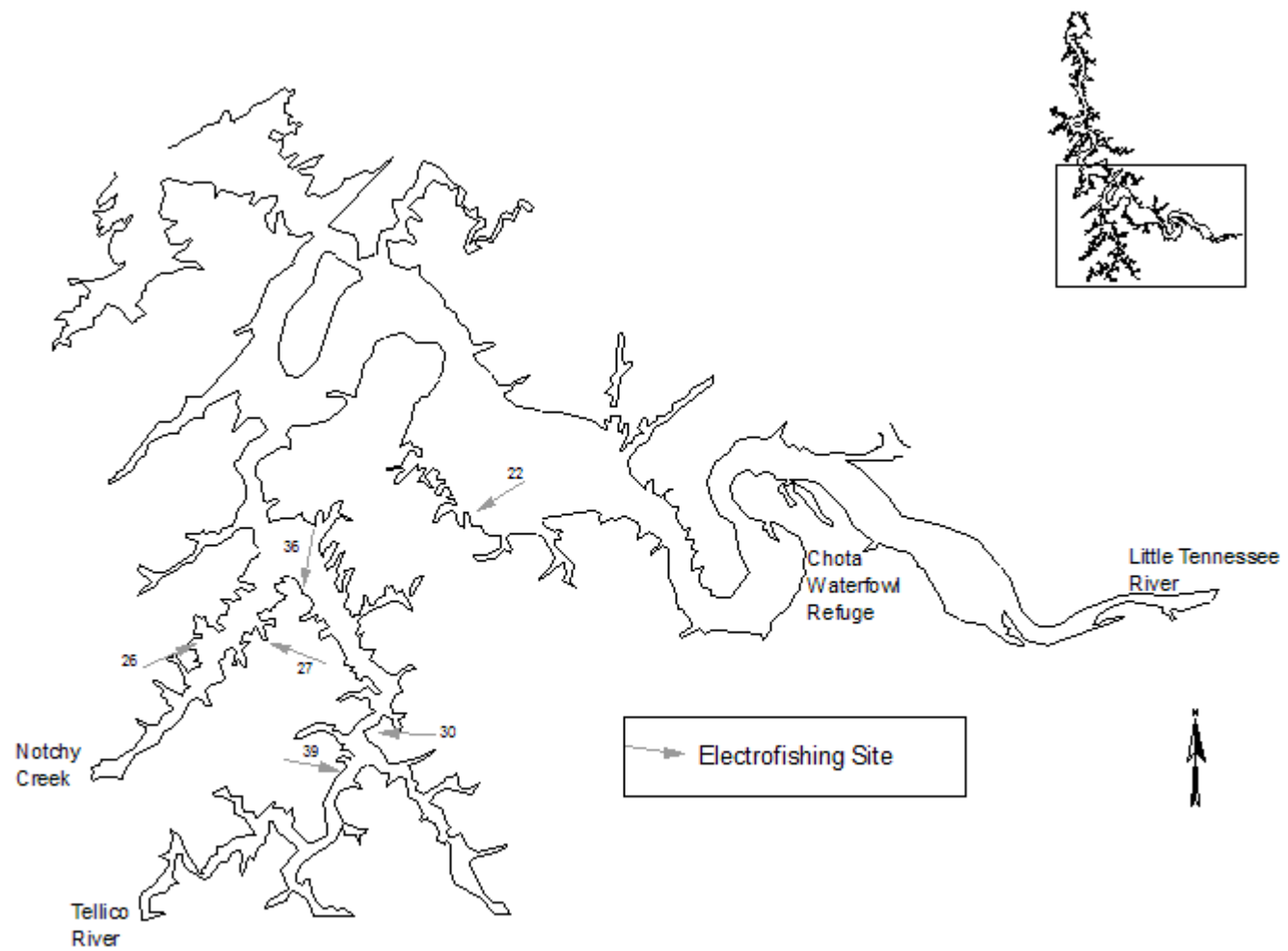


Figure 3. Electrofishing sites in the upper section of Tellico Reservoir in 2006.

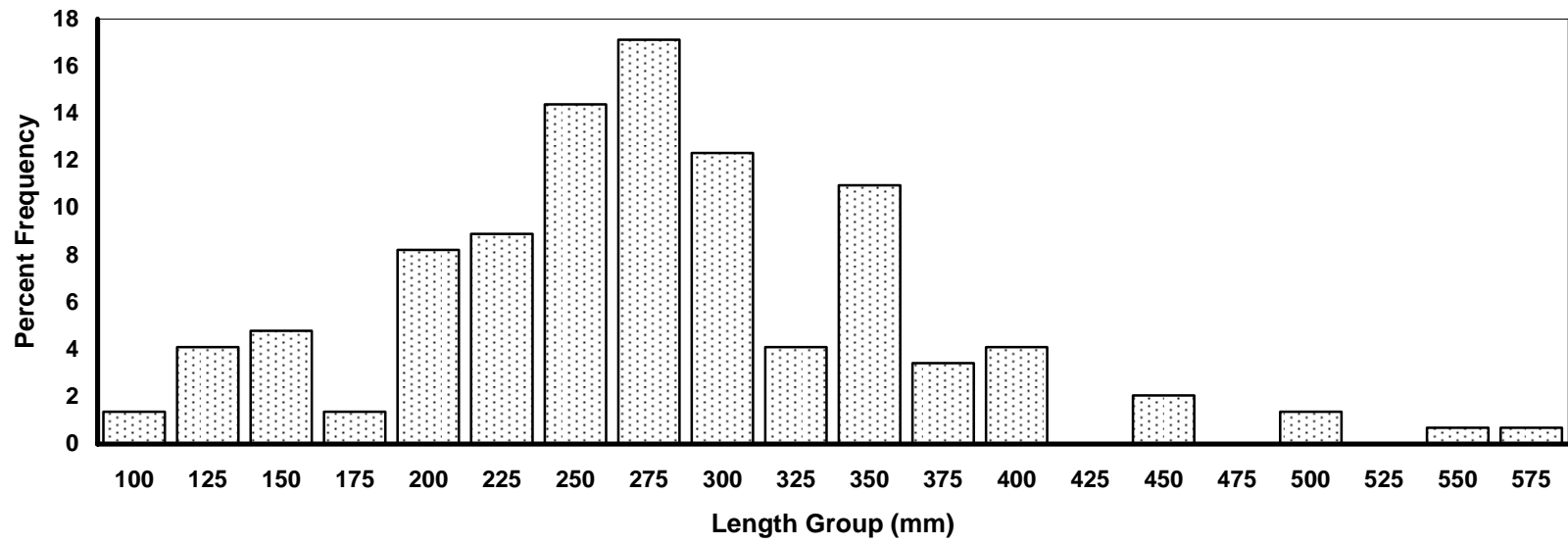


Figure 4. Tellico Reservoir largemouth bass length frequency by percent for the 2006 electrofishing sample (n=146).

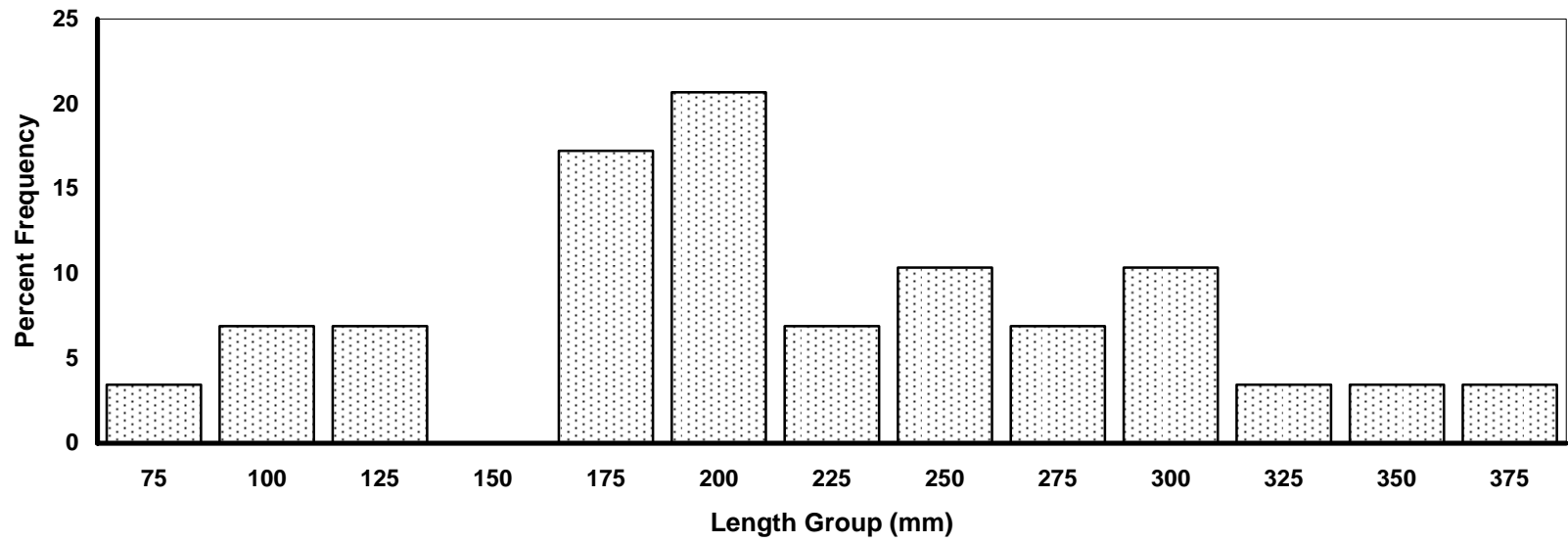


Figure 5. Tellico Reservoir smallmouth bass length frequency by percent for the 2006 electrofishing sample (n=29).

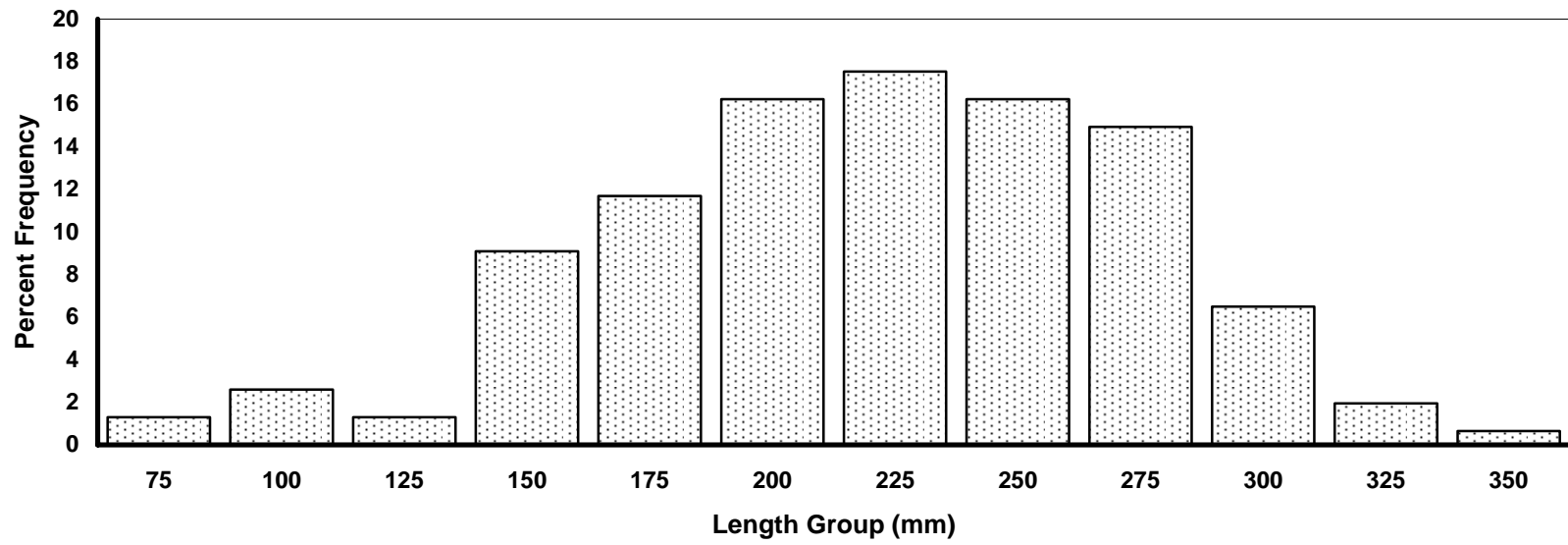


Figure 6. Tellico Reservoir spotted bass length frequency by percent for the 2006 electrofishing sample (n=154).

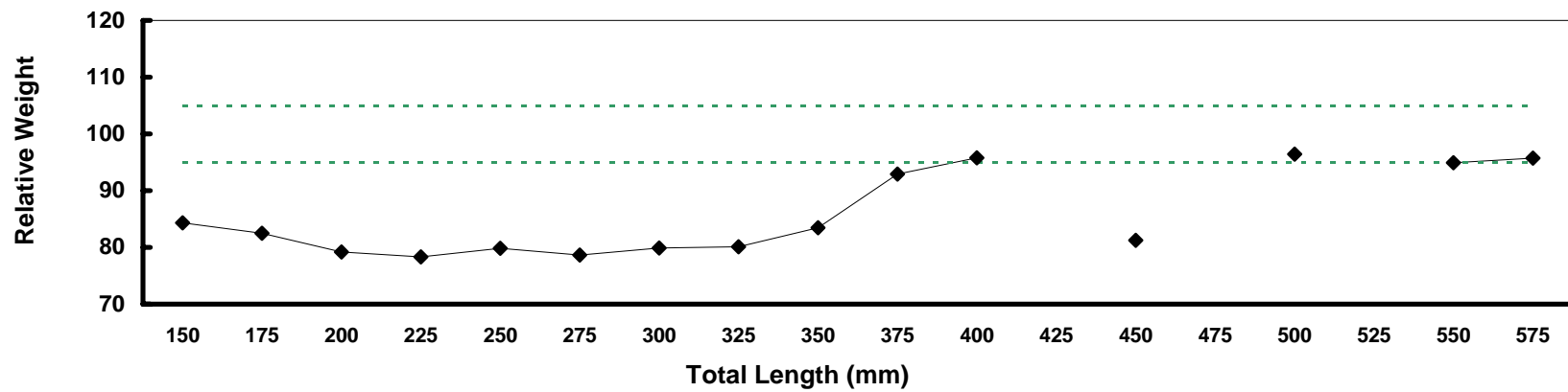


Figure 7. Tellico Reservoir largemouth bass mean relative weight values from the 2006 electrofishing sample (n=135).

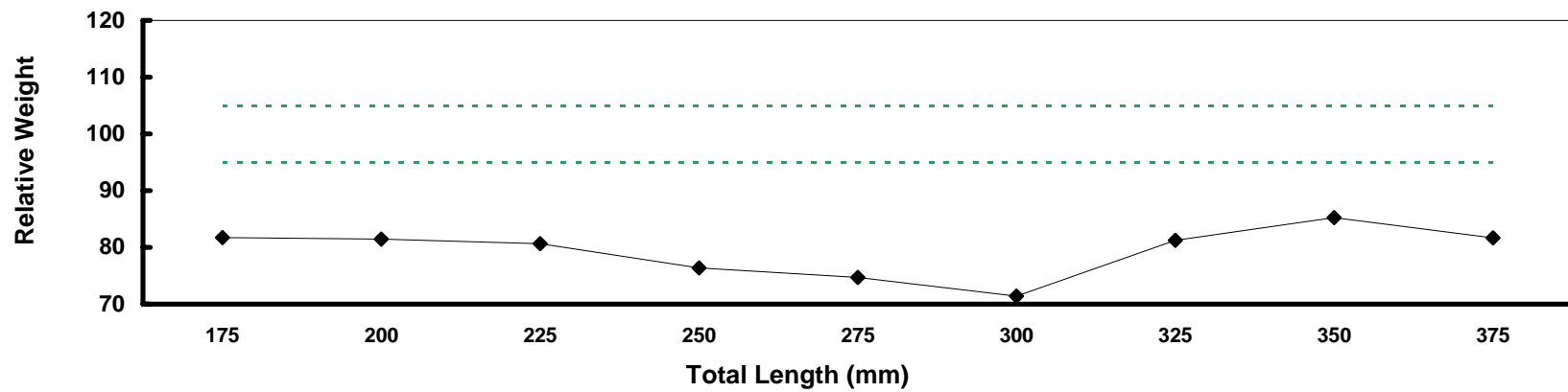


Figure 8. Tellico Reservoir smallmouth bass mean relative weight values from the 2006 electrofishing sample (n=24).

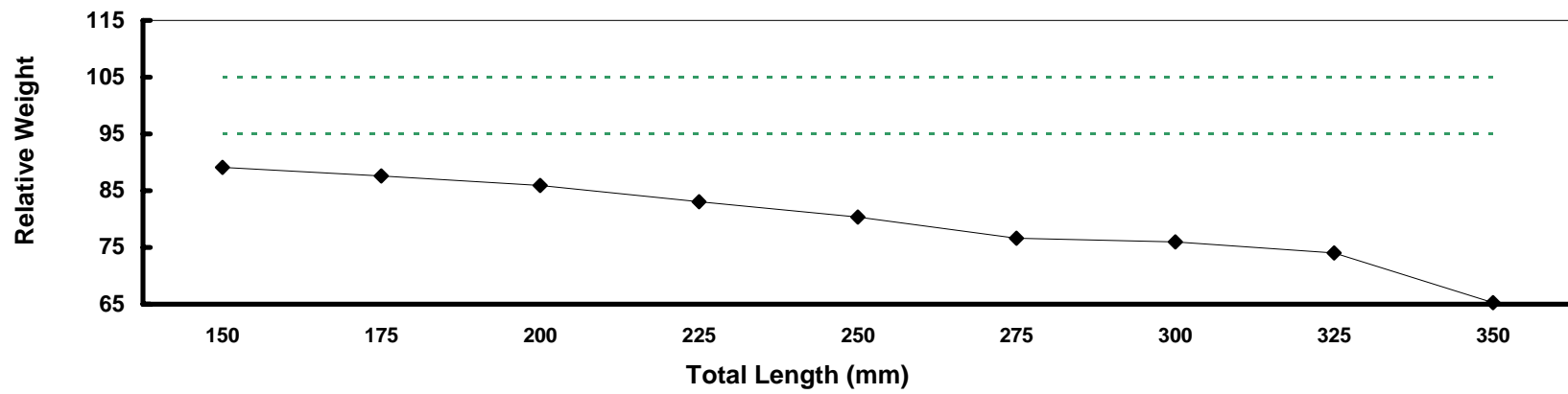


Figure 9. Tellico Reservoir spotted bass mean relative weight values from the 2006 electrofishing sample (n=137).

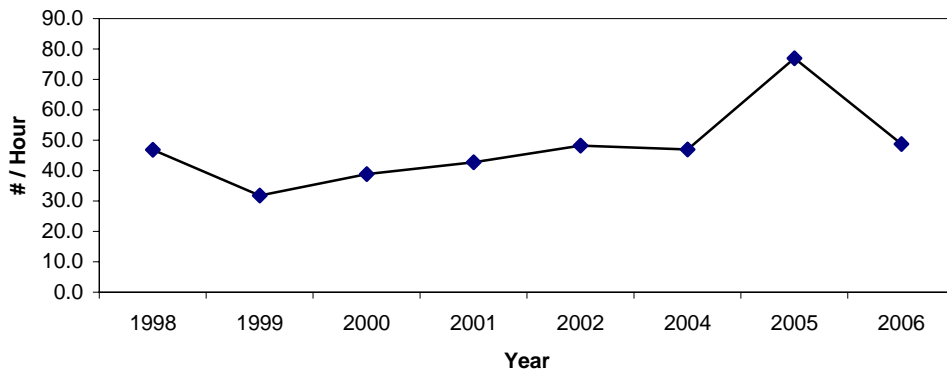


Figure 10. Tellico Reservoir largemouth bass electrofishing catch rates from 1998 to 2006.

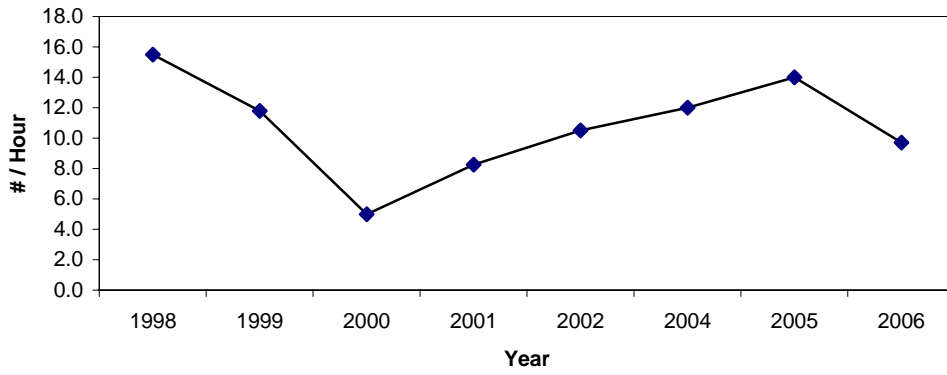


Figure 11. Tellico Reservoir smallmouth bass electrofishing catch rates from 1998 to 2006.



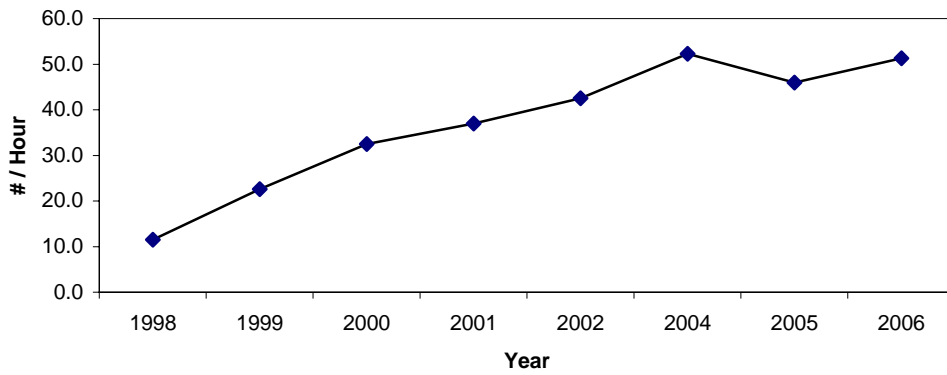


Figure 12. Tellico Reservoir spotted bass electrofishing catch rates from 1998 to 2006.

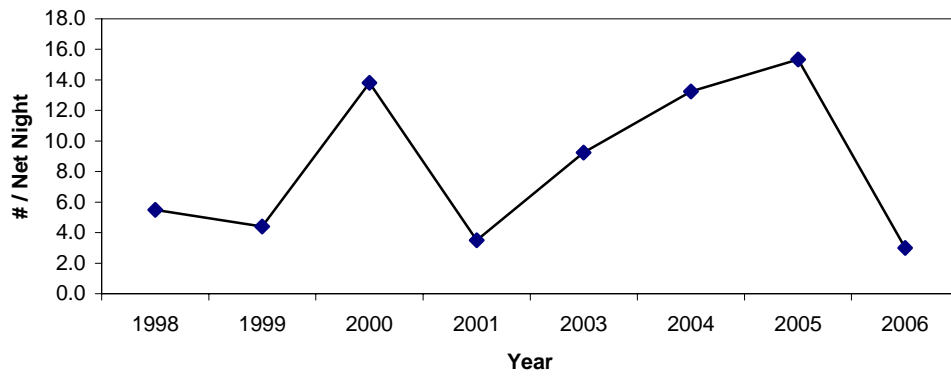


Figure 13. Tellico Reservoir white crappie electrofishing catch rates from 1998 to 2006.

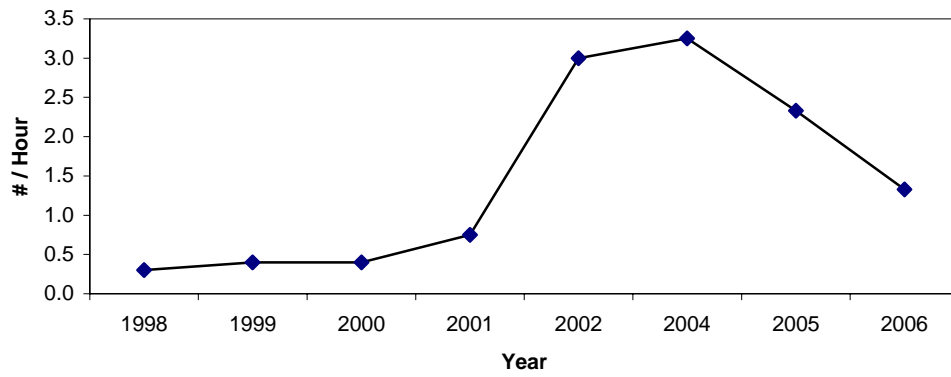


Figure 14. Tellico Reservoir black crappie electrofishing catch rates from 1998 to 2006.

Figure 15. DO - Tellico - LT RM 03 - July 7, 2006

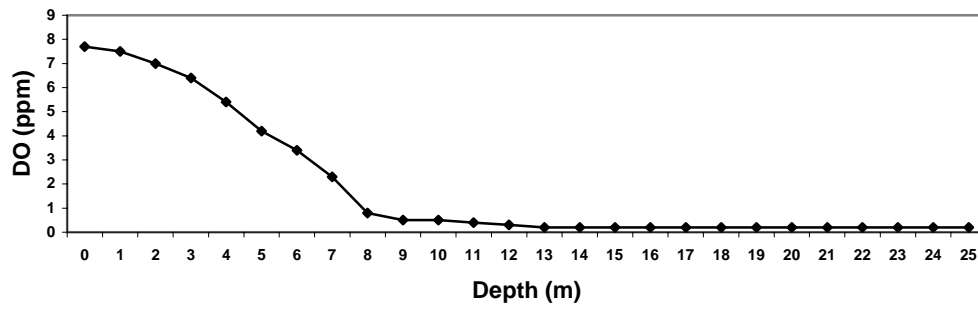


Figure 16. Temp - Tellico - LT RM 03 - July 7, 2006

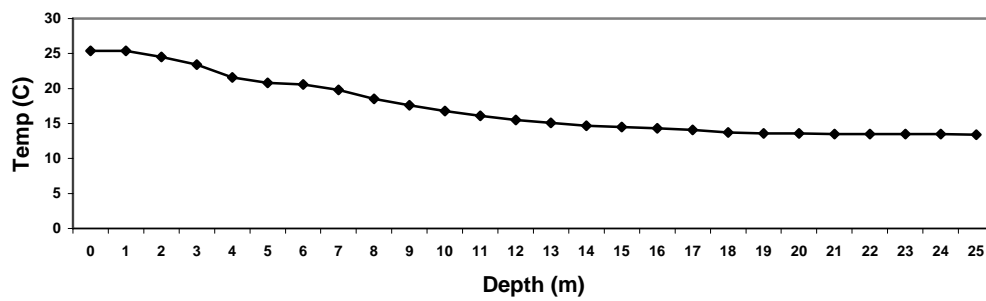


Figure 17. DO - Tellico - LT RM 18 - July 7, 2006

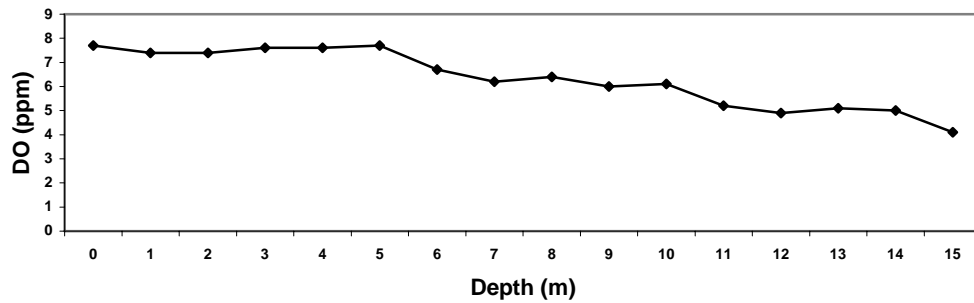


Figure 18. Temp - Tellico - LT RM 18 - July 7, 2006

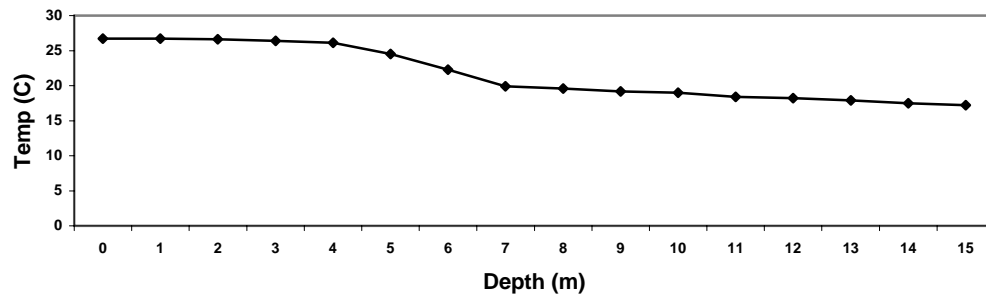


Figure 19. DO - Tellico - LT RM 25 - July 7, 2006

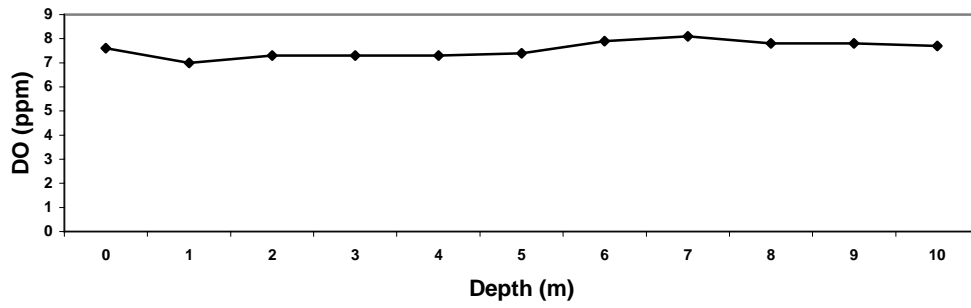


Figure 20. Temp - Tellico - LT RM 25 - July 7, 2006

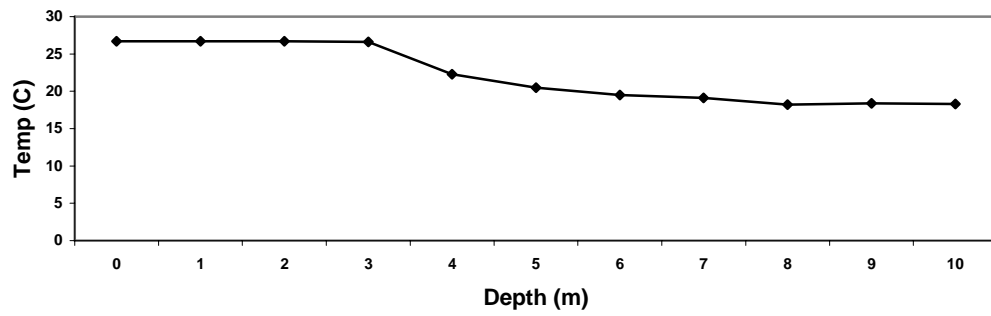


Figure 21. DO - Tellico - Tellico RM 04 - July 7, 2006

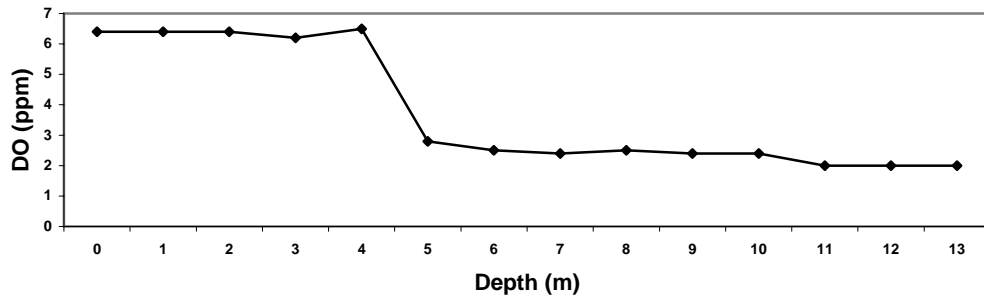


Figure 22. Temp - Tellico - Tellico RM 04 - July 7, 2006

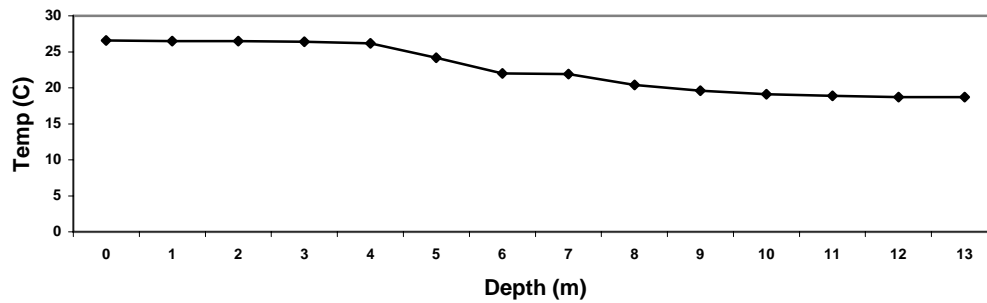


Figure 23. DO - Tellico - LT RM 03 - Aug 2, 2006

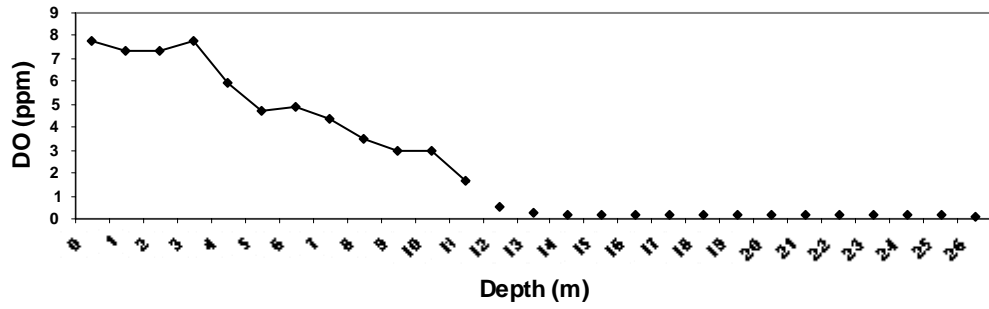


Figure 24. Temp - Tellico - LT RM 03 - Aug 2, 2006

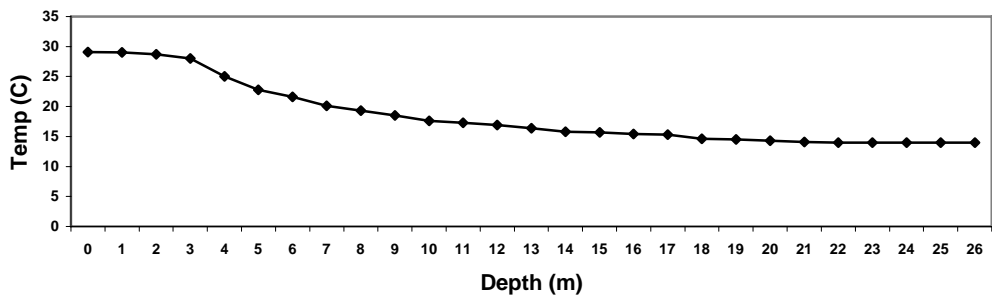


Figure 25. DO - Tellico - LT RM 18 - Aug 2, 2006

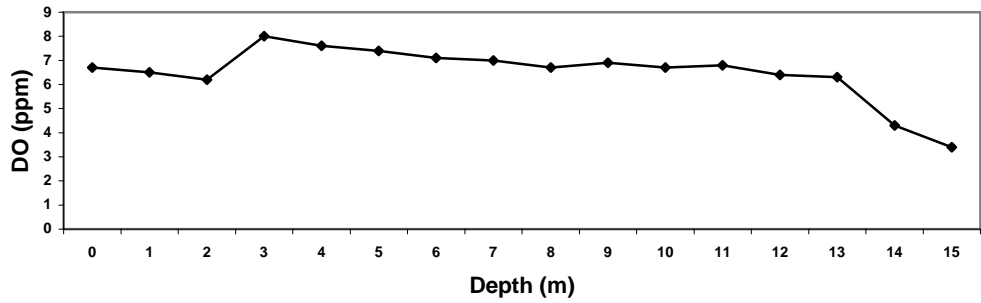


Figure 26. Temp - Tellico - LT RM 18 - Aug 2, 2006

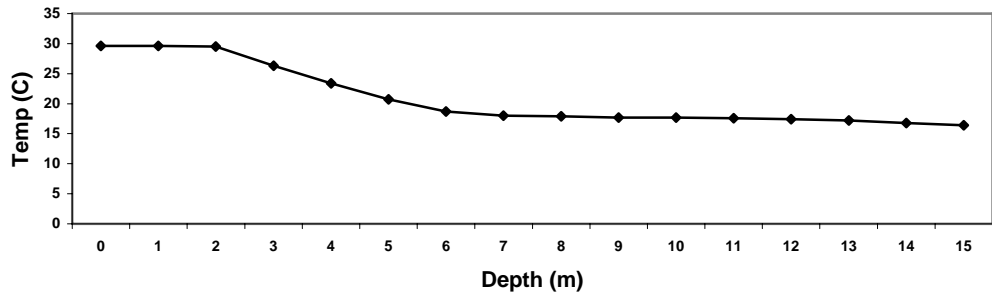


Figure 27. DO - Tellico - LT RM 25 - Aug 2, 2006

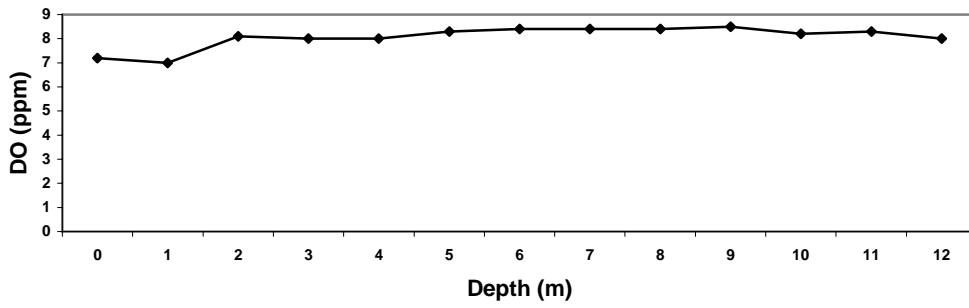


Figure 28. Temp - Tellico - LT RM 25 - Aug 2, 2006

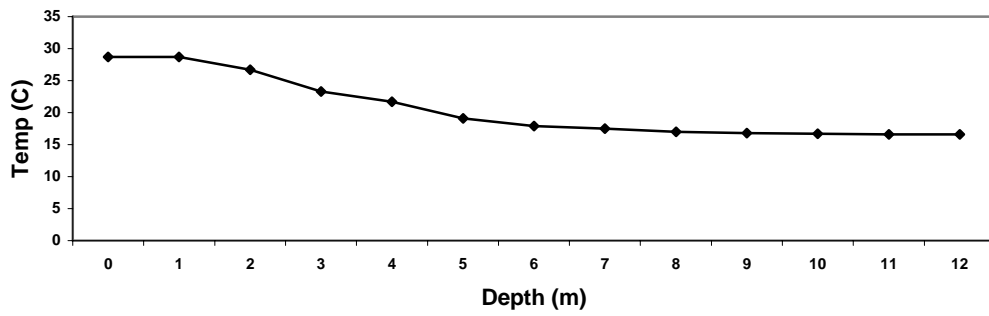


Figure 29. DO - Tellico - Tellico RM 04 - Aug 2, 2006

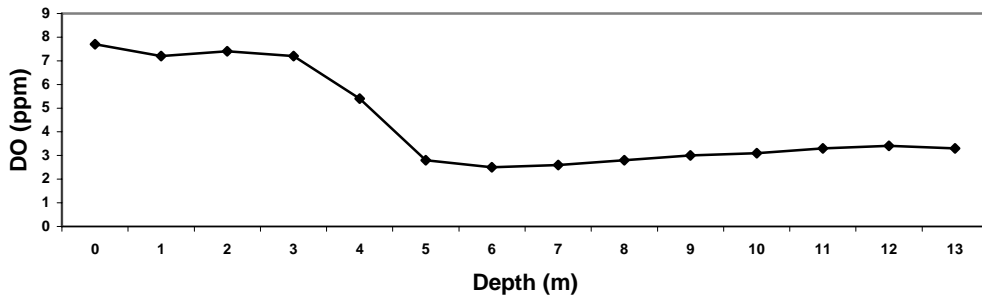


Figure 30. Temp - Tellico - Tellico RM 04 - Aug 2, 2006

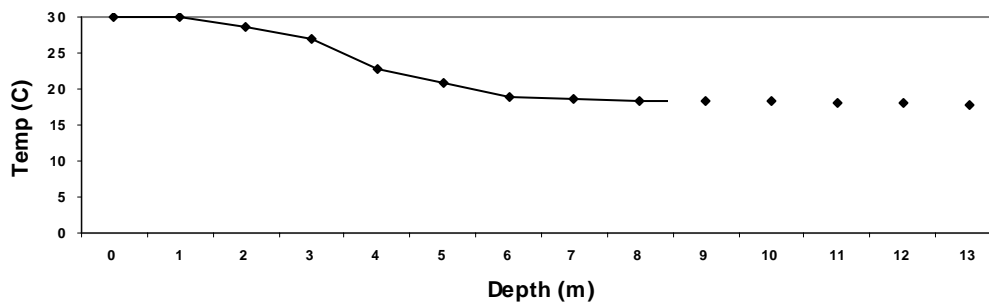


Figure 31. DO - Tellico - LT RM 03 - Sept 8, 2004

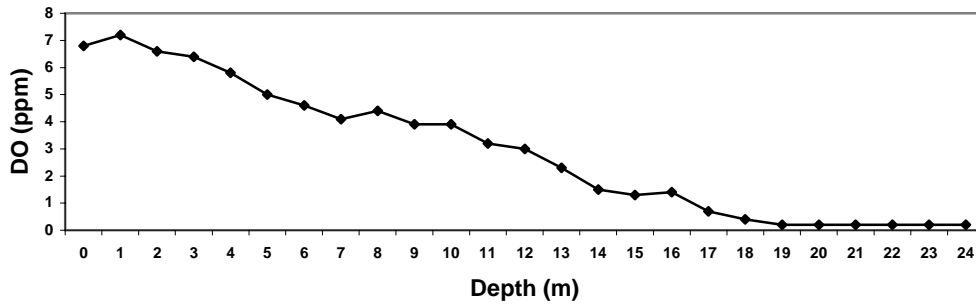


Figure 32. Temp - Tellico - LT RM 03 - Sept 8, 2004

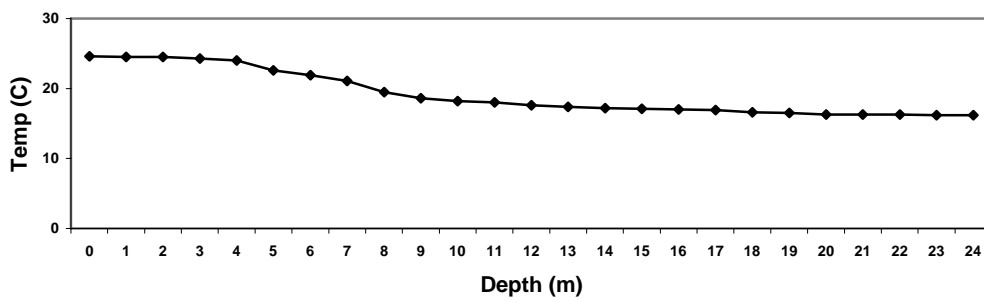


Figure 33. DO - Tellico - LT RM 18 - Sept 8, 2004

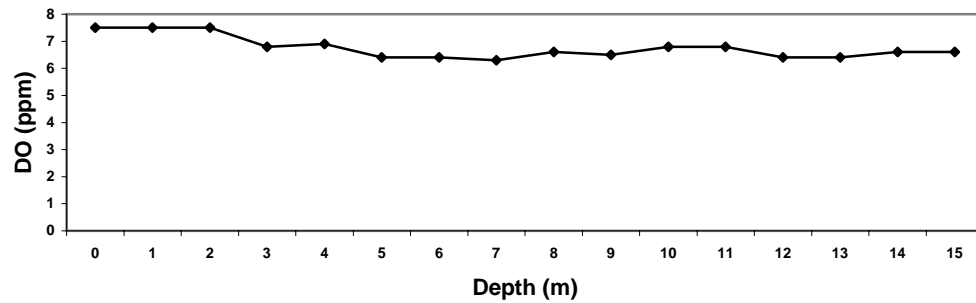


Figure 34. Temp - Tellico - LT RM 18 - Sept 8, 2004

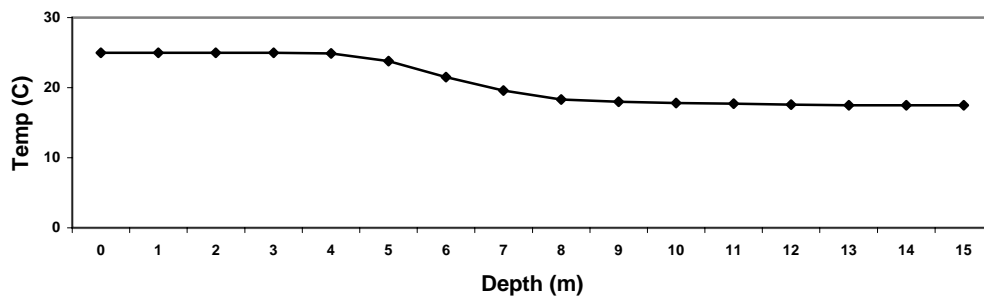


Figure 35. DO - Tellico - LT RM 25 - Sept 8, 2004

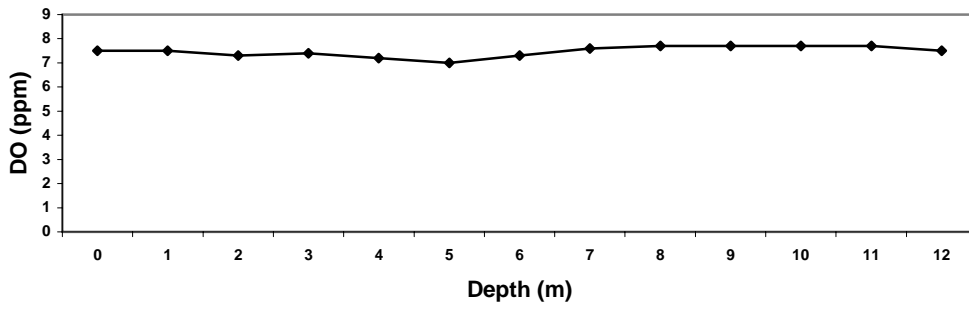


Figure 36. Temp - Tellico - LT RM 25 - Sept 8, 2004

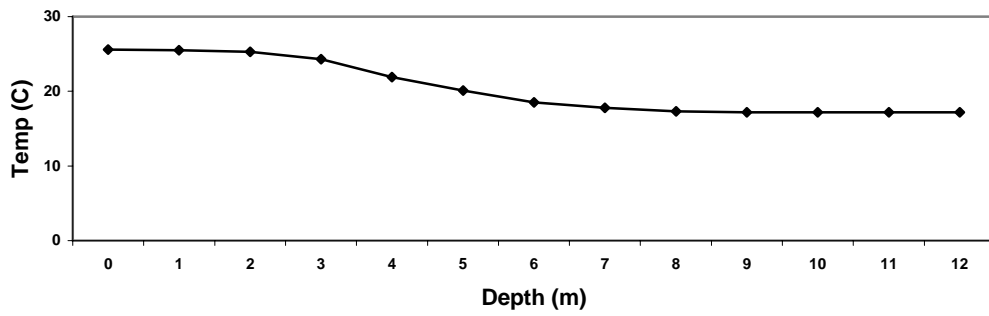


Figure 37. DO - Tellico - Tellico RM 04 - Sept 8, 2004

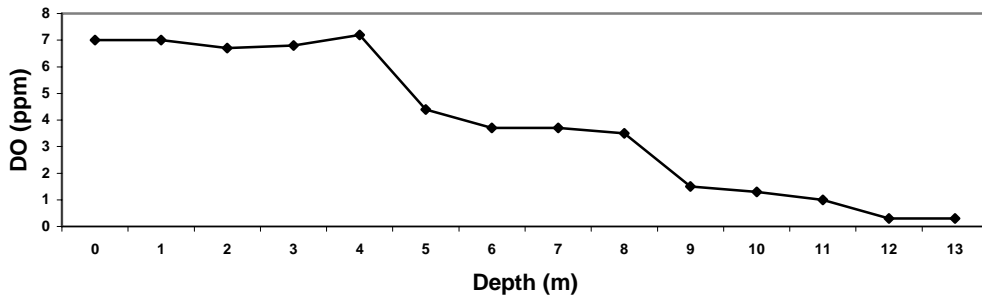
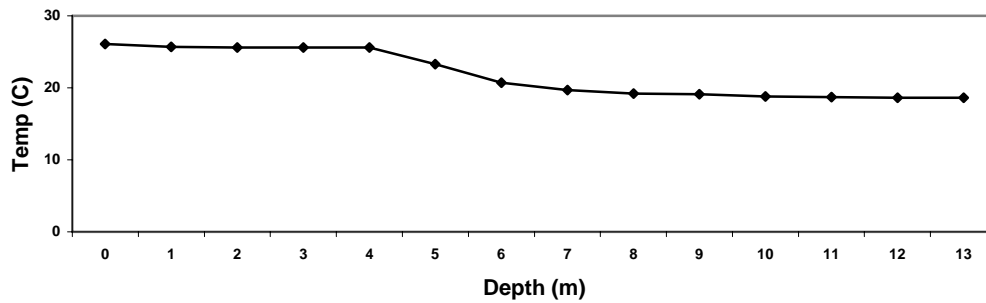


Figure 38. Temp - Tellico - Tellico RM 04 - Sept 8, 2004





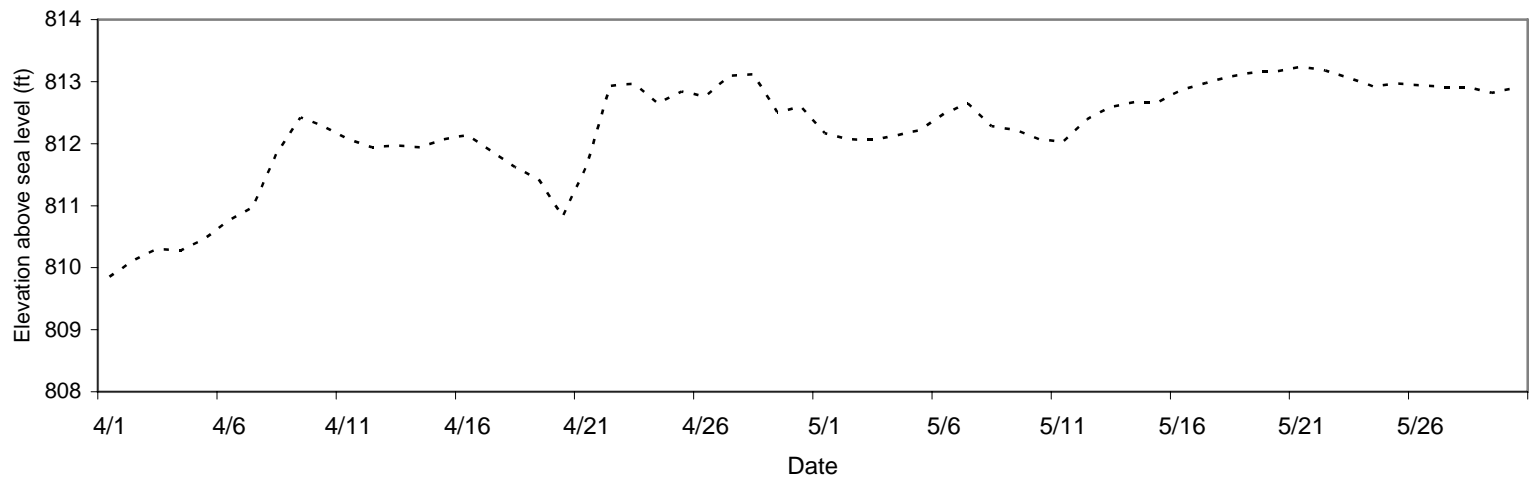


Figure 39. April and May water levels in Tellico Reservoir in 2006 (TVA data).

## Appendix – Creel

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2006

LAKE=TELLICO

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	7503	18.2	0.5	1464	0.1	3.3
02 FEBRUARY	5648	27.7	0.4	1272	0.1	2.5
03 MARCH	18959	18.2	1.2	3635	0.2	8.4
04 APRIL	31408	15.6	2.0	5777	0.4	13.9
05 MAY	31859	16.3	2.0	6710	0.4	14.1
06 JUNE	33543	8.2	2.1	7333	0.5	14.8
07 JULY	37829	38.0	2.4	8070	0.5	16.7
08 AUGUST	14355	8.9	0.9	3531	0.2	6.3
09 SEPTEMBER	18892	28.0	1.2	4328	0.3	8.3
10 OCTOBER	13982	20.5	0.9	3410	0.2	6.2
11 NOVEMBER	7100	25.3	0.4	1907	0.1	3.1
12 DECEMBER	5382	21.3	0.3	1267	0.1	2.4
-----	-----			-----		
<b>TOTAL</b>	<b>226460</b>			<b>48704</b>		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2006

LAKE=TELLICO

MONTH	NUMBER FISH CAUGHT	RSE FOR CATCH	FISH CAUGHT PER HOUR	RSE FOR CATCH RATE	NUMBER FISH HARVESTED	RSE FOR HARVEST	FISH HARVESTED PER HOUR	RSE FOR HARVEST RATE
01 JANUARY	7728	30.2	1.03	23.7	1351	33.0	0.18	27.1
02 FEBRUARY	8698	39.9	1.54	27.6	2203	62.4	0.39	53.4
03 MARCH	23320	28.1	1.23	21.0	5309	44.2	0.28	40.1
04 APRIL	42087	24.3	1.34	18.4	9108	42.6	0.29	38.6
05 MAY	29629	19.6	0.93	10.7	3186	33.3	0.10	28.6
06 JUNE	39581	12.9	1.18	10.0	2683	40.1	0.08	38.5
07 JULY	35938	45.8	0.95	23.8	3405	53.8	0.09	35.5
08 AUGUST	33591	23.0	2.34	21.1	8469	44.0	0.59	42.6
09 SEPTEMBER	28527	31.9	1.51	14.5	5479	37.5	0.29	23.7
10 OCTOBER	23350	35.4	1.67	28.2	7410	60.9	0.53	56.2
11 NOVEMBER	11786	46.5	1.66	37.9	1775	57.9	0.25	49.8
12 DECEMBER	11948	33.9	2.22	25.8	4359	34.0	0.81	26.0
----- <b>TOTAL</b>	<b>296183</b>				<b>54737</b>			

SUMMARY OF SPECIES CATCH STATISTICS - 2006

LAKE=TELLICO

SPECIES	TOTAL NUMBER FISH CAUGHT	RSE FOR CATCH	SPECIES CATCH COMPOSITION (%)	INTENDED NUMBER CAUGHT	TOTAL NUMBER FISH HARVESTED	RSE FOR HARVEST	SPECIES HARVEST COMPOSITION (%)	INTENDED NUMBER HARVESTED	% OF CAUGHT FISH RELEASED	AVERAGE WEIGHT (LBS)	NUMBER FISH RECORDED
WHITE BASS	2998	232.8	1.0	1675	55	983.0	0.1	0	98.2	0.90	1
STRIPED BASS	2738	226.0	0.9	1424	103	272.9	0.2	103	96.2	41.25	1
BLUEGILL	33377	30.7	11.3	27481	6667	46.6	12.2	6373	80.0	0.42	68
REDEAR SUNFISH	454	750.0	0.2	454	164	803.0	0.3	164	63.9	0.63	3
SMALLMOUTH BASS	13768	49.3	4.7	13383	112	252.8	0.2	112	99.2	3.40	2
SPOTTED BASS	7754	95.0	2.6	6979	113	279.9	0.2	113	98.5	2.10	1
LARGEMOUTH BASS	82506	13.1	27.9	75769	1958	34.5	3.6	1958	97.6	2.69	27
WHITE CRAPPIE	141360	10.9	47.8	141100	42530	17.0	77.7	42530	69.9	0.61	933
BLACK CRAPPIE	2845	112.9	1.0	2845	1692	98.8	3.1	1692	40.5	0.95	34
SAUGER	436	590.1	0.1	145	0	.	0.0	0	100.0	.	0
WALLEYE	3251	186.4	1.1	2955	1012	127.4	1.8	934	68.9	2.93	13
FRESHWATER DRUM	281	907.3	0.1	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2006

LAKE=TELLICO

INTENDED SPECIES	ANGLER HOURS	RSE FOR ANGLER HOURS	ANGLER TRIPS	PERCENT EFFORT	NUMBER CAUGHT PER HOUR	RSE FOR CATCH PER HOUR	NUMBER HARVESTED PER HOUR	RSE FOR HARVEST PER HOUR	NUMBER OF INTERVIEWS
ANY CATFISH	552	110.4	118	0.2	0.00		0.00		1
STRIPED BASS	2330	48.9	507	1.0	0.31	109.9	0.04	205.3	6
ANY SUNFISH	402	96.9	88	0.2	2.50		0.00		1
ANY BLACK BASS	105515	9.2	22589	46.6	0.88	20.9	0.02	63.9	348
ANY CRAPPIE	67903	8.2	14636	30.0	2.02	23.4	0.69	42.1	285
SAUGER	657	62.2	131	0.3	0.03		0.00		3
WALLEYE	9239	23.1	1985	4.1	0.29	61.2	0.10	69.6	36
ANY SPECIES	39860	15.7	8651	17.6	1.33	26.3	0.25	73.8	101
----- TOTAL	226458		48705						

SUMMARY OF RELATIVE SPECIES CATCH RATES  
WITHIN TARGET GROUPS - 2006

LAKE=TELLICO

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
ANY SUNFISH	BLUEGILL	2.46	0.00
	REDEAR SUNFISH	0.04	0.00
ANY BLACK BASS	SMALLMOUTH BASS	0.13	0.00
	SPOTTED BASS	0.07	0.00
	LARGEMOUTH BASS	0.72	0.02
ANY CRAPPIE	WHITE CRAPPIE	1.98	0.66
	BLACK CRAPPIE	0.04	0.03

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS  
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LAKE=TELLICO

MONTH	% BLACK BASS EFFORT BY TOURNAMENT ANGLERS	CATCH RATE FOR TOURNAMENT ANGLERS	# OF INTERVIEWS (TOURNAMENT)	CATCH RATE FOR NON-TOURNAMENT ANGLERS	# OF INTERVIEWS (NON-TOURNAMENT)
01 JANUARY	0		0	0.64	18
02 FEBRUARY	0		0	1.00	8
03 MARCH	8	0.79	2	0.73	32
04 APRIL	23	0.65	9	0.84	41
05 MAY	21	2.41	7	0.66	44
06 JUNE	22	1.51	12	0.83	43
07 JULY	4	0.65	2	0.71	37
08 AUGUST	0		0	0.92	23
09 SEPTEMBER	0		0	0.91	19
10 OCTOBER	0		0	1.07	29
11 NOVEMBER	0		0	1.36	6
12 DECEMBER	0		0	0.58	15



SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS  
FOR INTENDED SPECIES - 2006

LAKE=TELLICO

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	7070	0	7070	1
STRIPED BASS	11730	16550	28280	6
ANY SUNFISH	440	440	880	1
ANY BLACK BASS	374920	230710	605630	347
ANY CRAPPIE	179670	132440	312110	285
SAUGER	2060	1130	3180	3
WALLEYE	31780	23240	55020	36
ANY SPECIES	66190	50490	116680	101
TOTAL	673860	455000	1128850	780

**SUMMARY OF SOCIOLOGICAL QUESTIONS - 2006**

**LAKE=TELLICO**

**DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS**

<b>STATE</b>	<b>NUMBER ANGLERS INTERVIEWED</b>	<b>PERCENT CONTRIBUTION</b>
TN	1339	98.6
OTHERS	19	1.4

**DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS**

<b>COUNTY</b>	<b>NUMBER ANGLERS INTERVIEWED</b>	<b>PERCENT CONTRIBUTION</b>
BLOUNT	483	36.0
KNOX	163	12.1
LOUDON	321	23.9
MONROE	303	22.6
OTHERS IN TN	69	5.1
OUT-OF-STATE	3	0.2

**DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED**

<b>ONE-WAY MILES TRAVELED</b>	<b>NUMBER ANGLERS INTERVIEWED</b>	<b>PERCENT CONTRIBUTION</b>
A) 0-25	1305	96.5
B) 26-100	35	2.6
C) 101-250	2	0.1
D) > 250	11	0.8

**DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP**

<b>REASON FOR TRIP</b>	<b>NUMBER ANGLERS INTERVIEWED</b>	<b>PERCENT CONTRIBUTION</b>
A) FISHING	777	99.7
B) VACATION	2	0.3

**DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS**

<b>NUMBER DAYS IN TRIP</b>	<b>NUMBER ANGLERS INTERVIEWED</b>	<b>PERCENT CONTRIBUTION</b>
A) 1	772	99.1
B) 2-5	4	0.5
C) 6-10	3	0.4