Tellico Reservoir

Annual Report 2008

Prepared by:

Jim Negus
and
Douglas C. Peterson

Tennessee Wildlife Resources Agency
Region IV
3030 Wildlife Way
Morristown, Tennessee 37814

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Tellico Reservoir - 2008

Description

Area: 16,056 acres **Shoreline:** 373 miles

Counties: Blount, Monroe, and Loudon

Total Fishing Effort in 2007: 190,448 hours **Total Value by Anglers in 2007:** $679,630.00

Black Bass

Angling Pressure	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
All Black Bass (hrs)	-	-	-	167,718	-	-	-	105,515	80,036	-	117,756
All Black Bass (hrs/acre)	-	-	-	10.45	-	-	-	6.57	4.98	-	7.33
Any Black Bass (hrs)	-	-	-	157,867	-	-	-	105,515	80,036	-	114,473
Any Black Bass (hrs/acre)	-	-	-	9.83	-	-	-	6.57	4.98	-	7.13
Largemouth Bass (hrs)	-	-	-	5,864	-	-	-	0	0	-	1,955
Largemouth Bass (hrs/acre)	-	-	-	0.37	-	-	-	0.00	0.00	-	0.12
Smallmouth Bass (hrs)	-	-	-	3,987	-	-	-	0	0	-	1,329
Smallmouth Bass (hrs/acre)	-	-	-	0.25	-	-	-	0.00	0.00	-	0.08
Spotted Bass (hrs)	-	-	-	0	-	-	-	0	0	-	0
Spotted Bass (hrs/acre)	-	-	-	0.00	-	-	-	0.00	0.00	-	0.00
Tournaments (all black bass)											
Tournament Angler Hrs/Acre (creel)	-	-	-	-	-	-	-	-	-	-	-
Tournament Catch Rate (creel)	-	-	-	-	-	-	-	-	-	-	-
Non-Tournament Catch Rate (creel)	-	-	-	-	-	-	-	-	-	-	-
Value of Fishery (Trip Expenditures)											
All Black Bass	-	-	-	$378,110	-	-	-	$374,920	$389,330	-	$380,787
Any Black Bass	-	-	-	$361,760	-	-	-	$374,920	$389,330	-	$375,337
Largemouth Bass	-	-	-	$11,430	-	-	-	$0	$0	-	$3,810
Smallmouth Bass	-	-	-	$4,920	-	-	-	$0	$0	-	$1,640
Spotted Bass	-	-	-	$0	-	-	-	$0	$0	-	$0

Large**mouth Bass**

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing)											
Substock CPUE	8.00	7.40	15.30	5.80	-	5.50	15.00	5.70	15.00	11.30	9.89
Density (electrofishing)											
PSD	45	52	62	63	-	64	67	45	65	57	58
RSD (preferred)	-	-	13	14	-	12	18	12	15	12	14
CPUE (total)	31.8	38.8	42.6	48.3	-	47.0	77.0	48.7	37.0	56.0	47.5
CPUE ≥ Stock	23.8	31.4	27.3	42.5	-	41.5	62.0	43.0	22.0	44.7	37.6
CPUE ≥ MLL (14-inches)	-	-	5.3	11.0	-	10.3	20.3	10.3	4.0	8.0	9.9
Growth (electrofishing)											
Length Age-1	-	-	-	-	-	-	-	-	-	-	-
Length Age-3	-	-	-	-	-	-	-	-	-	-	-
Condition (spring electrofishing)											
Stock	83.7	79.2	80.5	80.8	-	81.3	80.5	79.0	80.4	80.1	80.6
Quality	83.4	80.6	81.1	83.1	-	83.0	83.5	81.7	80.2	80.8	81.9
Preferred	87.3	89.2	88.6	87.1	-	84.5	86.8	92.2	85.8	87.0	87.6
Memorable	92.6	74.6	88.8	97.0	-	-	80.3	95.9	87.6	86.7	87.9
Mortality (electrofishing)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Fishing Success (creel)											
Catch Rate (intended)	-	-	-	0.59	-	-	-	-	-	-	0.59
Harvest Rate (intended)	-	-	-	0.00	-	-	-	-	-	-	0.00
% Released	-	-	-	99.0%	-	-	-	97.6%	98.2%	-	98.3%
Mean Weight	-	-	-	2.63	-	-	-	2.69	1.94	-	2.42

Fishery Forecast: The TWRA's electrofishing catch rates for largemouth remain good, but the size structure continues to be disappointing.

Management Recommendations: The creel limit was changed from a two fish, 14-inch limit to a five fish (in combination with smallmouth), 14-inch minimum length limit in 2001. No changes are planed in the near future.

Smallmouth Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing)											
Substock CPUE	5.20	0.60	2.50	2.50	-	1.30	1.00	2.30	2.00	0.00	1.93
Density (electrofishing)											
PSD	33	45	43	50	-	56	46	32	54	56	46
RSD (preferred)	-	-	13	22	-	14	21	9	23	11	16
CPUE (preferred)	0.2	0.4	0.5	1.0	-	1.3	1.7	0.7	1.0	0.3	0.8
CPUE (memorable)	0.0	0.2	0.3	0.8	-	0.3	0.7	0.0	0.0	0.0	0.2
CPUE (trophy)	0.0	0.0	0.0	0.0	-	0.0	0.3	0.0	0.0	0.0	0.0
CPUE (total)	11.8	5.0	8.3	10.5	-	12.0	14.0	9.7	6.3	3.0	9.0
CPUE ≥ Stock	6.6	4.4	5.8	8.0	-	10.7	13.0	7.4	4.3	3.0	7.0
CPUE ≥ Preferred	0.2	0.6	0.8	1.8	-	1.5	2.7	0.7	1.0	0.3	1.1
CPUE ≥ MLL (18-inches)	-	-	0.3	0.8	-	0.3	0.7	0.0	0.0	0.0	0.3
Growth (electrofishing)											
Length Age-1	-	-	-	-	-	-	-	-	-	-	-
Length Age-3	-	-	-	-	-	-	-	-	-	-	-
Condition (spring electrofishing)											
Stock	75.9	77.1	80.1	86.0	-	80.7	83.1	79.7	79.8	75.3	79.7
Quality	79.6	75.5	77.0	82.5	-	79.3	81.6	73.4	82.1	71.0	78.0
Preferred	80.2	81.4	81.1	81.3	-	79.8	78.6	83.5	75.8	-	80.2
Memorable	-	85.8	75.9	78.3	-	71.1	75.6	-	-	-	77.3
Mortality (electrofishing)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Fishing Success (creel)											
Catch Rate (intended)	-	-	-	0.16	-	-	-	-	-	-	0.16
Harvest Rate (intended)	-	-	-	0.00	-	-	-	-	-	-	0.00
% Released	-	-	-	99.6%	-	-	-	99.2%	100.0%	-	99.6%
Mean Weight	-	-	-	1.45	-	-	-	3.40	-	-	2.43

Fishery Forecast: Although not documented via our "standardized" daytime electrofishing samples, other information suggest the 18-inch minimum length limit has helped increase the number of smallmouth and should continue to help improve the quality of the fishery.

Management Recommendations: We encourage anglers to be patient with the relatively new 18-inch size limit. It may take several years to determine if it is going to help to improve the quality of the fishery.

Spotted Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing)											
Substock CPUE	10.20	6.40	10.80	6.80	-	6.00	9.00	8.00	9.00	3.00	7.69
Density (electrofishing)											
PSD	5	11	31	15	-	23	33	22	18	26	20
RSD (preferred)	-	-	-	1	-	2	2	1	1	1	1
CPUE (total)	22.6	32.5	37.0	42.5	-	52.3	46.0	51.3	38.7	35.7	39.8
CPUE ≥ Stock	12.4	26.1	26.2	35.7	-	46.3	37.0	43.3	29.7	32.7	32.2
Growth (electrofishing)											
Length Age-1	-	-	-	-	-	-	-	-	-	-	-
Length Age-3	-	-	-	-	-	-	-	-	-	-	-
Condition (spring electrofishing)											
Stock	73.0	85.2	84.7	88.9	-	84.6	87.6	83.8	82.5	88.2	84.3
Quality	73.6	79.6	84.8	85.4	-	83.3	83.8	74.7	76.4	80.1	80.2
Preferred	-	85.1	-	89.4	-	90.7	86.9	65.3	82.8	73.5	82.0
Mortality (electrofishing)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Fishing Success (creel)											
Catch Rate (intended)	-	-	-	-	-	-	-	-	-	-	-
Harvest Rate (intended)	-	-	-	-	-	-	-	-	-	-	-
% Released	-	-	-	98.9%	-	-	-	98.5%	100.0%	-	99.1%
Mean Weight	-	-	-	0.40	-	-	-	2.10	-	-	1.25

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.

Black Crappie

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Density (electrofishing)											
PSD	100	100	100	75	-	92	100	100	100	50	91
RSD (preferred)	-	-	100	42	-	38	71	100	100	50	72
CPUE (total)	0.4	0.4	0.8	3.0	-	3.3	2.3	1.3	0.7	1.3	1.5
CPUE ≥ Stock	0.4	0.4	0.8	3.0	-	3.3	2.3	1.3	0.7	1.3	1.5
CPUE ≥ MLL (10-inches)	-	-	0.8	1.0	-	1.3	1.3	1.3	0.7	0.7	1.0
Growth (electrofishing)											
Length Age-1	-	-	-	-	-	-	-	-	-	-	-
Length Age-3	-	-	-	-	-	-	-	-	-	-	-
Condition (electrofishing)											
Stock	-	-	-	82.3	-	79.2	-	-	-	-	80.8
Quality	76.1	-	-	75.7	-	79.8	81.5	-	-	-	78.3
Preferred	79.3	73.2	80.9	82.1	-	85.9	78.2	79.5	78.9	79.0	79.7
Memorable	-	79.7	66.8	78.3	-	71.7	78.0	-	-	71.0	74.3
Mortality (electrofishing)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Angling Pressure (creel)											
Angler Hours (all crappie)	-	-	-	151,835	-	-	-	67,903	63,333	-	94,357
Angler Hours/Acre	-	-	-	9.5	-	-	-	4.2	3.9	-	5.9
Fishing Success (creel)											
Catch Rate (any crappie)	-	-	-	1.97	-	-	-	2.02	1.79	-	1.93
Harvest Rate (any crappie)	-	-	-	0.57	-	-	-	0.69	0.55	-	0.60
% Released (black crappie)	-	-	-	53.3%	-	-	-	40.5%	25.8%	-	39.9%
Mean Weight (black crappie)	-	-	-	0.60	-	-	-	0.95	0.73	-	0.76
Value of Fishery (Trip Expenditures - creel)											
All Crappie	-	-	-	$268,360	-	-	-	$179,670	$182,140	-	$210,057

Fishery Forecast: Black crappie have never been abundant in our Tellico electrofishing samples and this trend continues.

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

White Crappie

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Density (electrofishing)											
PSD	95	99	100	100	-	100	100	100	100	100	99
RSD (preferred)	-	-	64	73	-	74	63	67	78	44	66
CPUE (total)	4.4	13.8	3.5	9.3	-	13.3	15.3	3.0	3.0	11.3	8.5
CPUE ≥ Stock	4.4	13.8	3.5	9.3	-	13.3	15.3	3.0	3.0	11.3	8.5
CPUE ≥ MLL (10-inches)	-	-	2.0	6.5	-	8.8	8.0	1.3	1.7	5.0	4.7
Growth (electrofishing)											
Length Age-1	-	-	-	-	-	-	-	-	-	-	-
Length Age-3	-	-	-	-	-	-	-	-	-	-	-
Condition (electrofishing)											
Stock	80.1	77.9	-	-	-	-	-	-	-	-	79.0
Quality	80.0	80.4	74.9	76.8	-	82.7	80.9	76.9	82.6	79.1	79.4
Preferred	79.9	78.8	77.2	79.2	-	80.3	78.2	74.2	80.5	76.7	78.3
Memorable	76.2	77.9	78.3	77.4	-	82.0	74.7	-	76.9	78.1	77.7
Mortality (electrofishing)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Angling Pressure (creel)											
Angler Hours (all crappie)	-	-	-	151,835	-	-	-	67,903	63,333	-	94,357
Angler Hours/Acre	-	-	-	9.5	-	-	-	4.2	3.9	-	5.9
Fishing Success (creel)											
Catch Rate (any crappie)	-	-	-	1.97	-	-	-	2.02	1.79	-	1.93
Harvest Rate (any crappie)	-	-	-	0.57	-	-	-	0.69	0.55	-	0.60
% Released (white crappie)	-	-	-	74.5%	-	-	-	69.9%	74.6%	-	73.0%
Mean Weight (white crappie)	-	-	-	0.58	-	-	-	0.61	0.69	-	0.63
Value of Fishery (Trip Expenditures - creel)											
All Crappie	-	-	-	$268,360	-	-	-	$179,670	$182,140	-	$210,057

Fishery Forecast: An increased number of crappie were collected by electrofishing in the 2008 sample. Anglers have caught good numbers of crappie during the past several years as determined by our creel survey.

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

Walleye

Stocking	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
#	0	71,733	0	155,750	0	94,689	0	44,228	51,794	21,160	43,935
#/Acre	0.0	4.5	0.0	9.7	0.0	5.9	0.0	2.8	3.2	1.3	2.7
Angling Pressure (creel)											
Angler Hours	-	-	-	16,520	-	-	-	9,239	2,523	-	9,427
Angler Hours/Acre	-	-	-	1.0	-	-	-	0.6	0.2	-	0.6
Fishing Success (creel)											
Catch Rate (intended)	-	-	-	0.11	-	-	-	0.29	0.17	-	0.19
Harvest Rate (intended)	-	-	-	0.10	-	-	-	0.10	0.02	-	0.07
% Released	-	-	-	13.7%	-	-	-	68.9%	81.5%	-	54.7%
Mean Weight	-	-	-	2.02	-	-	-	2.93	4.08	-	3.01
Value of Fishery (Trip Expenditures - creel)											
Walleye	-	-	-	$45,200	-	-	-	$31,780	$13,310	-	$30,097

Fishery Forecast: Walleye are stocked on a regular basis and anglers report quality fish are present. Few are ever collected while electrofishing, but our latest gill net sample indicated a significant population exists.

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

Striped Bass

Angling Pressure (creel)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Angler Hours	-	-	-	3,745	-	-	-	2,330	983	-	2,353
Angler Hours/Acre	-	-	-	0.2	-	-	-	0.1	0.1	-	0.1
Fishing Success (creel)											
Catch Rate (intended)	-	-	-	0.08	-	-	-	0.31	0.23	-	0.21
Harvest Rate (intended)	-	-	-	0.00	-	-	-	0.04	0.00	-	0.01
% Released	-	-	-	100.0%	-	-	-	96.2%	98.9%	-	98.4%
Mean Weight	-	-	-	-	-	-	-	41.25	3.15	-	22.20
Value of Fishery (Trip Expenditures - creel)											
Striped Bass	-	-	-	$9,470	-	-	-	$11,730	$3,890	-	$8,363

Sunfish

Angling Pressure (creel)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Angler Hours (all sunfish)	-	-	-	6,065	-	-	-	402	1,553	-	2,673
Angler Hours/Acre	-	-	-	0.4	-	-	-	0.0	0.1	-	0.2
Fishing Success (creel)											
Catch Rate (any sunfish)	-	-	-	5.67	-	-	-	2.50	2.73	-	3.63
Harvest Rate (any sunfish)	-	-	-	1.28	-	-	-	0.00	0.63	-	0.64
% Released (bluegill)	-	-	-	79.4%	-	-	-	80.0%	86.9%	-	82.1%
Mean Weight (bluegill)	-	-	-	0.32	-	-	-	0.42	0.49	-	0.41
Value of Fishery (Trip Expenditures - creel)											
All Sunfish	-	-	-	$5,070	-	-	-	$440	$3,080	-	$2,863

Catfish

Angling Pressure (creel)	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Angler Hours (all catfish)	-	-	-	1,928	-	-	-	552	940	-	1,140
Angler Hours/Acre	-	-	-	0.1	-	-	-	0.0	0.1	-	0.1
Fishing Success (creel)											
Catch Rate (any catfish)	-	-	-	1.00	-	-	-	0.00	0.00	-	0.33
Harvest Rate (any catfish)	-	-	-	0.00	-	-	-	0.00	0.00	-	0.00
% Released (channel)	-	-	-	38.1%	-	-	-	-	-	-	38.1%
Mean Weight (channel)	-	-	-	1.85	-	-	-	-	-	-	1.85
Value of Fishery (Trip Expenditures - creel)											
All Catfish	-	-	-	$1,180	-	-	-	$7,070	$3,210	-	$3,820

Habitat Enhancement

Type of Work	Details	Quantity	
		New	Renovated
Rebrush	Christmas trees with block	none	none

Water Quality Monitoring

Parameter	Sampling Period	Water Quality
Temperature	July - September	Normal
Dissolved Oxygen	July - September	Normal
PH	July - September	Normal
Conductivity	July - September	Normal

Tables

Table 1. Tellico Reservoir physical and chemical characteristics.

Surface Area	16,056 acres
Full Pool Elevation	813 feet-msl
Mean Annual Fluctuation	6 feet
Shoreline Distance	357 miles
Total Developed Shoreline	7%
Maximum Depth	78 feet
Thermocline Depth	10 feet (Aug 2007)
Trophic Status (Forebay)	Mesotrophic
Mean Chlorophyll (Forebay)	6.2 mg/L
Trophic Index Value	49.2
Hydraulic Retention Time	37 days
Year Impounded	1979

Table 2 Tellico Reservoir fish stockings 1993 - 2008.

Species	Year	Rate (per acre)	Size Group (in.) Range	Total Stocked
Walleye	1995	0.5	1.5	7,751
	1994	5.9	1.5	94,725
	1995	7.7	1.5	123,848
	1998	10.2	1.5	162,991
	2000	4.5	1.5 - 2.0	71,733
	2002	9.7	1.0 - 2.5	155,750
	2004	5.9	1.5 - 2.0	94,689
	2006	2.8	0.8 - 2.8	44,228
	2007	3.2	1.0 - 3.0	51,794
	2008	1.3	0.8 - 1.3	21,160
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
	2007	0.7	Adult	11,006
	2008	0.4	Adult	6,034
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 catagory for target species collected in Tellico Reservoir 1998-2008.

				Substock			RSD-stock				RSD-quality				RSD-preferred				RSD-memorable				RSD-trophy				Total		PSD
Species	Year	Gear	Samples	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	4	1.3	2.7	95.9	0	0.0	0.0	0.0	146	48.7	45.0
	2007	Ele	12	45	15.0	40.5	23	7.7	20.7	80.4	33	11.0	29.7	80.2	7	2.3	6.3	85.8	3	1.0	2.7	87.6	0	0.0	0.0	0.0	111	37.0	65.0
	2008	Ele	12	34	11.3	20.2	58	19.3	34.5	80.1	60	20.0	35.7	80.8	12	4.0	7.1	87.0	4	1.3	2.4	86.7	0	0.0	0.0	0.0	168	56.0	57.0
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
	2007	Ele	12	6	2.0	31.6	6	2.0	31.6	79.8	4	1.3	21.1	82.1	3	1.0	15.8	75.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	19	6.3	54.0
	2008	Ele	12	0	0.0	0.0	4	1.3	44.4	75.3	4	1.3	44.4	71.0	1	0.3	11.1	na	0	0.0	0.0	0.0	0	0.0	0.0	0.0	9	3.0	56.0
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
	2007	Ele	12	27	9.0	23.3	73	24.3	63.0	82.5	15	5.0	12.9	76.4	1	0.3	0.8	82.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	116	38.7	18.0
	2008	Ele	12	9	3.0	8.4	73	24.3	68.2	88.2	24	8.0	22.4	80.1	1	0.3	0.9	73.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	107	35.7	26.0
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
	2007	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	2	0.7	22.2	82.6	4	1.3	44.4	80.5	3	1.0	33.3	76.9	0	0.0	0.0	0.0	9	3.0	100.0
	2008	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	19	6.3	55.9	79.1	14	4.7	41.2	76.7	1	0.3	2.9	78.1	0	0.0	0.0	0.0	34	11.3	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	4	1.3	97.7	79.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	1.3	100.0
	2007	Ele	12	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.7	100.0	78.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.7	100.0
	2008	Ele	12	0	0.0	0.0	2	0.7	50.0	na	0	0.0	0.0	0.0	1	0.3	25.0	79.0	1	0.3	25.0	71.0	0	0.0	0.0	0.0	4	1.3	50.0

Table 4. Mean relative weight and standard error values by size class for Tellico Reservoir largemouth bass collected during the 2008 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
8	81.8	6.5	2
9	75.0	2.0	4
10	79.8	1.5	27
11	79.4	1.3	25
12	81.4	1.4	25
13	81.7	1.2	23
14	78.4	2.4	8
15	89.7	3.7	4
16	96.4	2.8	2
17	80.5	0.8	3
18	77.6		1
19	86.8	0.3	2
20	84.4	3.8	2
21	89.0	1.2	2
		Total Catch	130

Table 5. Mean relative weight and standard error values by size class for Tellico Reservoir spotted bass collected during the 2008 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
7	87.1	8.4	3
8	95.3	5.0	13
9	82.4	1.3	28
10	81.2	2.0	16
11	80.4	1.2	16
12	80.9	2.0	6
13	75.1	0.8	2
14	73.5		1
		Total Catch	85

Table 6. Summary of July 2008 Tellico Reservoir water quality parameters at Little Tennessee River Mile 3.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	77.9	78	8.5	7.6	LT3	8.2	657	7/3/2008
3	77.9	78	8.4	7.4				
7	78.1	78	8.4	7.3				
10	78.1	78	8.4	7.3				
13	78.1	79	8.4	7.4				
16	76.6	108	8.3	6.5				
20	73.6	111	8.2	5.3				
23	67.6	52	8.1	3.8				
26	66.6	57	7.9	3.4				
30	64.4	48	7.9	2.9				
33	62.8	50	7.8	2.3				
36	62.1	51	7.7	1.9				
39	60.1	57	7.7	1.5				
43	59.7	58	7.6	1.4				
46	58.8	60	7.6	1.2				
49	58.6	60	7.5	1.1				
52	58.3	61	7.5	1.1				
56	57.7	63	7.5	1.0				
59	57.2	64	7.5	0.8				
62	57.0	64	7.5	0.8				
66	56.8	65	7.4	0.8				
69	56.7	65	7.4	0.7				
72	56.5	66	7.4	0.6				
75	56.5	66	7.4	0.6				
79	56.3	66	7.4	0.6				
82	56.3	67	7.4	0.5				

Table 7. Summary of July 2008 Tellico Reservoir water quality parameters at Little Tennessee River Mile 18.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	77.9	54	8.2	7.7	LT18	9.8	805	7/3/2008
3	78.1	54	8.1	7.4				
7	78.1	54	8.1	7.4				
10	77.7	54	8.1	7.4				
13	76.1	48	8.1	7.2				
16	70.5	39	7.9	6.6				
20	66.6	34	7.7	5.2				
23	65.5	33	7.6	4.8				
26	64.9	32	7.5	4.9				
30	64.6	32	7.3	4.7				
33	64.2	34	7.3	4.1				
36	64.0	34	7.2	4.0				
39	63.3	38	7.2	3.6				
43	62.6	42	7.2	3.4				
46	61.9	47	7.1	2.8				
49	60.4	57	7.1	1.4				

Table 8. Summary of July 2008 Tellico Reservoir water quality parameters at Tellico River Mile 4.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	79.2	87	8.2	7.7	T4	6.6	850	7/3/2008
3	79.2	87	8.3	7.8				
7	79.2	88	8.3	8.1				
10	79.0	87	8.4	8.2				
13	74.7	61	8.2	8.3				
16	68.9	53	8.0	6.6				
20	66.4	54	7.8	5.3				
23	64.9	63	7.6	5.3				
26	64.4	72	7.5	4.7				
30	64.4	79	7.5	4.9				

Table 9. Summary of August 2008 Tellico Reservoir water quality parameters at Little Tennessee River Mile 3.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	83.8	70	8.2	7.7	LT3	9.8	700	8/7/2008
3	83.8	70	8.1	7.7				
7	82.8	81	8.1	7.5				
10	79.0	105	8.0	7.3				
13	71.2	45	7.9	6.8				
16	68.9	41	7.7	5.2				
20	67.6	40	7.5	4.9				
23	67.5	36	7.5	5.0				
26	66.4	36	7.3	4.3				
30	64.9	40	7.3	3.4				
33	64.2	42	7.2	2.5				
36	63.9	46	7.1	1.6				
39	62.4	50	7.1	0.8				
43	61.7	53	7.0	0.6				
46	61.5	54	7.0	0.4				
49	61.2	57	6.9	0.3				
52	60.8	58	6.9	0.3				
56	60.6	59	6.9	0.3				
59	59.7	63	6.9	0.3				
62	59.7	64	6.9	0.2				
66	59.5	64	6.9	0.2				
69	59.0	68	6.9	0.2				
72	58.8	69	6.8	0.2				
75	58.8	69	6.8	0.2				
79	58.8	69	6.8	0.2				
82	58.8	69	6.8	0.2				

Table 10. Summary of August 2008 Tellico Reservoir water quality parameters at Little Tennessee River Mile 18.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	85.1	57	7.8	7.6	LT18	8.9	800	8/7/2008
3	85.3	57	7.8	7.2				
7	85.1	57	7.8	7.2				
10	78.3	45	7.8	8.5				
13	76.8	43	7.7	8.4				
16	72.0	35	7.6	8.2				
20	68.4	30	7.5	7.2				
23	66.4	28	7.3	7.0				
26	65.1	27	7.2	6.5				
30	64.9	27	7.1	6.5				
33	64.6	26	7.0	6.5				
36	64.6	26	7.0	6.5				
39	64.6	26	7.0	6.6				
43	64.2	25	6.9	6.5				
46	64.0	25	6.9	6.8				
49	63.9	25	6.9	6.9				

Table 11. Summary of August 2008 Tellico Reservoir water quality parameters at Tellico River Mile 4.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	85.8	85	7.9	7.4	T4	6.6	920	8/7/2008
3	85.8	85	7.9	7.9				
7	85.6	85	7.9	8.2				
10	81.5	77	7.9	9.0				
13	75.2	60	7.6	8.5				
16	68.0	39	7.3	8.3				
20	66.4	38	7.2	7.3				
23	66.0	40	6.9	4.0				
26	66.0	42	6.9	4.3				
30	65.7	46	6.8	5.9				
33	65.7	51	6.7	6.3				
36	65.5	57	6.7	5.6				
39	65.3	60	6.6	4.4				

Table 12. Tellico Reservoir water levels for 2008. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
809.82	JANUARY	1	809.19	FEBRUARY	24	811.40	APRIL	19
809.81	JANUARY	2	809.25	FEBRUARY	25	811.68	APRIL	20
809.86	JANUARY	3	809.36	FEBRUARY	26	811.67	APRIL	21
809.62	JANUARY	4	809.54	FEBRUARY	27	811.65	APRIL	22
809.54	JANUARY	5	809.71	FEBRUARY	28	812.02	APRIL	23
809.34	JANUARY	6	809.53	MARCH	1	811.99	APRIL	24
809.10	JANUARY	7	809.49	MARCH	2	811.62	APRIL	25
809.06	JANUARY	8	809.57	MARCH	3	811.63	APRIL	26
808.79	JANUARY	9	810.02	MARCH	4	811.77	APRIL	27
809.14	JANUARY	10	810.88	MARCH	5	811.99	APRIL	28
809.92	JANUARY	11	810.59	MARCH	6	812.28	APRIL	29
810.10	JANUARY	12	810.33	MARCH	7	812.50	APRIL	30
810.04	JANUARY	13	809.92	MARCH	8	812.56	MAY	1
809.95	JANUARY	14	810.04	MARCH	9	812.47	MAY	2
809.73	JANUARY	15	810.12	MARCH	10	812.59	MAY	3
809.40	JANUARY	16	810.32	MARCH	11	812.61	MAY	4
809.26	JANUARY	17	810.45	MARCH	12	812.52	MAY	5
809.07	JANUARY	18	810.60	MARCH	13	812.54	MAY	6
808.84	JANUARY	19	810.71	MARCH	14	812.51	MAY	7
808.84	JANUARY	20	810.58	MARCH	15	812.53	MAY	8
808.59	JANUARY	21	810.74	MARCH	16	812.57	MAY	9
808.67	JANUARY	22	810.60	MARCH	17	812.76	MAY	10
809.07	JANUARY	23	810.19	MARCH	18	812.89	MAY	11
809.18	JANUARY	24	810.18	MARCH	19	812.89	MAY	12
809.40	JANUARY	25	810.47	MARCH	20	812.88	MAY	13
809.09	JANUARY	26	810.48	MARCH	21	812.87	MAY	14
808.99	JANUARY	27	810.26	MARCH	22	812.93	MAY	15
808.98	JANUARY	28	810.08	MARCH	23	812.87	MAY	16
808.88	JANUARY	29	810.00	MARCH	24	812.96	MAY	17
808.62	JANUARY	30	809.92	MARCH	25	813.03	MAY	18
808.78	JANUARY	31	809.70	MARCH	26	813.02	MAY	19
809.12	FEBRUARY	1	809.84	MARCH	27	813.07	MAY	20
809.29	FEBRUARY	2	809.95	MARCH	28	813.15	MAY	21
809.55	FEBRUARY	3	810.14	MARCH	29	813.12	MAY	22
809.86	FEBRUARY	4	810.42	MARCH	30	813.14	MAY	23
809.84	FEBRUARY	5	810.46	MARCH	31	813.11	MAY	24
810.21	FEBRUARY	6	810.62	APRIL	1	813.13	MAY	25
810.54	FEBRUARY	7	810.76	APRIL	2	813.14	MAY	26
810.64	FEBRUARY	8	810.75	APRIL	3	813.16	MAY	27
810.40	FEBRUARY	9	811.17	APRIL	4	813.31	MAY	28
809.82	FEBRUARY	10	811.50	APRIL	5	813.31	MAY	29
809.32	FEBRUARY	11	811.85	APRIL	6	812.99	MAY	30
809.20	FEBRUARY	12	811.96	APRIL	7	813.02	MAY	31
809.35	FEBRUARY	13	811.87	APRIL	8	813.13	JUNE	1
809.41	FEBRUARY	14	811.66	APRIL	9	813.06	JUNE	2
809.39	FEBRUARY	15	811.40	APRIL	10	812.85	JUNE	3
809.63	FEBRUARY	16	811.07	APRIL	11	812.92	JUNE	4
809.75	FEBRUARY	17	811.05	APRIL	12	812.86	JUNE	5
809.44	FEBRUARY	18	811.04	APRIL	13	812.75	JUNE	6
809.37	FEBRUARY	19	811.04	APRIL	14	812.73	JUNE	7
809.17	FEBRUARY	20	811.10	APRIL	15	812.63	JUNE	8
808.96	FEBRUARY	21	811.16	APRIL	16	812.66	JUNE	9
808.90	FEBRUARY	22	811.23	APRIL	17	812.67	JUNE	10
809.06	FEBRUARY	23	811.29	APRIL	18	812.69	JUNE	11

Table 13. Tellico Reservoir water levels for 2008. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
812.85	JUNE	12	812.55	AUGUST	5	812.29	SEPTEMBER	28
812.89	JUNE	13	812.21	AUGUST	6	812.01	SEPTEMBER	29
812.95	JUNE	14	812.20	AUGUST	7	812.07	SEPTEMBER	30
812.98	JUNE	15	811.72	AUGUST	8	812.16	OCTOBER	1
812.85	JUNE	16	811.82	AUGUST	9	812.19	OCTOBER	2
812.84	JUNE	17	811.89	AUGUST	10	812.23	OCTOBER	3
812.80	JUNE	18	811.74	AUGUST	11	812.28	OCTOBER	4
812.69	JUNE	19	811.79	AUGUST	12	812.10	OCTOBER	5
812.57	JUNE	20	812.05	AUGUST	13	811.88	OCTOBER	6
812.37	JUNE	21	812.19	AUGUST	14	811.83	OCTOBER	7
812.28	JUNE	22	812.39	AUGUST	15	812.15	OCTOBER	8
812.09	JUNE	23	812.50	AUGUST	16	812.40	OCTOBER	9
812.18	JUNE	24	812.37	AUGUST	17	812.57	OCTOBER	10
812.20	JUNE	25	812.29	AUGUST	18	812.55	OCTOBER	11
812.37	JUNE	26	812.42	AUGUST	19	812.37	OCTOBER	12
812.34	JUNE	27	812.49	AUGUST	20	812.32	OCTOBER	13
812.34	JUNE	28	812.47	AUGUST	21	812.25	OCTOBER	14
812.44	JUNE	29	812.62	AUGUST	22	812.26	OCTOBER	15
812.45	JUNE	30	812.44	AUGUST	23	812.24	OCTOBER	16
812.43	JULY	1	812.20	AUGUST	24	812.27	OCTOBER	17
812.32	JULY	2	812.20	AUGUST	25	812.18	OCTOBER	18
812.26	JULY	3	812.58	AUGUST	26	811.96	OCTOBER	19
812.05	JULY	4	812.85	AUGUST	27	811.96	OCTOBER	20
812.20	JULY	5	812.94	AUGUST	28	811.90	OCTOBER	21
812.28	JULY	6	812.93	AUGUST	29	811.85	OCTOBER	22
812.37	JULY	7	812.52	AUGUST	30	812.08	OCTOBER	23
812.56	JULY	8	812.41	AUGUST	31	812.23	OCTOBER	24
812.63	JULY	9	812.39	SEPTEMBER	1	812.28	OCTOBER	25
812.75	JULY	10	812.35	SEPTEMBER	2	812.13	OCTOBER	26
812.75	JULY	11	812.53	SEPTEMBER	3	812.04	OCTOBER	27
812.83	JULY	12	812.61	SEPTEMBER	4	811.99	OCTOBER	28
813.07	JULY	13	812.90	SEPTEMBER	5	812.05	OCTOBER	29
812.94	JULY	14	812.94	SEPTEMBER	6	812.02	OCTOBER	30
813.07	JULY	15	812.90	SEPTEMBER	7	811.96	OCTOBER	31
813.05	JULY	16	812.82	SEPTEMBER	8	811.96	NOVEMBER	1
812.94	JULY	17	812.97	SEPTEMBER	9	811.91	NOVEMBER	2
812.82	JULY	18	812.87	SEPTEMBER	10	811.72	NOVEMBER	3
812.75	JULY	19	812.77	SEPTEMBER	11	811.71	NOVEMBER	4
812.54	JULY	20	812.66	SEPTEMBER	12	811.56	NOVEMBER	5
812.46	JULY	21	812.87	SEPTEMBER	13	811.44	NOVEMBER	6
812.45	JULY	22	812.92	SEPTEMBER	14	811.28	NOVEMBER	7
812.47	JULY	23	813.09	SEPTEMBER	15	811.22	NOVEMBER	8
812.40	JULY	24	812.97	SEPTEMBER	16	811.14	NOVEMBER	9
812.45	JULY	25	812.85	SEPTEMBER	17	811.08	NOVEMBER	10
812.65	JULY	26	812.65	SEPTEMBER	18	810.79	NOVEMBER	11
812.67	JULY	27	812.46	SEPTEMBER	19	810.66	NOVEMBER	12
812.91	JULY	28	812.51	SEPTEMBER	20	810.61	NOVEMBER	13
813.26	JULY	29	812.45	SEPTEMBER	21	810.54	NOVEMBER	14
813.10	JULY	30	812.33	SEPTEMBER	22	810.60	NOVEMBER	15
813.13	JULY	31	812.39	SEPTEMBER	23	810.59	NOVEMBER	16
812.92	AUGUST	1	812.49	SEPTEMBER	24	810.46	NOVEMBER	17
812.85	AUGUST	2	812.53	SEPTEMBER	25	810.36	NOVEMBER	18
812.60	AUGUST	3	812.33	SEPTEMBER	26	810.29	NOVEMBER	19
812.45	AUGUST	4	812.26	SEPTEMBER	27	810.13	NOVEMBER	20

Table 14. Tellico Reservoir water levels for 2008. (TVA)

ELEVATION	MONTH	DAY
810.05	NOVEMBER	21
809.99	NOVEMBER	22
809.93	NOVEMBER	23
809.80	NOVEMBER	24
809.60	NOVEMBER	25
809.94	NOVEMBER	26
809.92	NOVEMBER	27
809.73	NOVEMBER	28
809.59	NOVEMBER	29
809.53	NOVEMBER	30
809.52	DECEMBER	1
809.39	DECEMBER	2
809.34	DECEMBER	3
809.20	DECEMBER	4
808.90	DECEMBER	5
809.07	DECEMBER	6
809.00	DECEMBER	7
808.75	DECEMBER	8
808.97	DECEMBER	9
809.70	DECEMBER	10
810.79	DECEMBER	11
811.07	DECEMBER	12
810.71	DECEMBER	13
809.99	DECEMBER	14
808.66	DECEMBER	15
808.44	DECEMBER	16
808.78	DECEMBER	17
808.94	DECEMBER	18
808.63	DECEMBER	19
809.34	DECEMBER	20
809.48	DECEMBER	21
809.50	DECEMBER	22
808.90	DECEMBER	23
808.39	DECEMBER	24
808.48	DECEMBER	25
808.69	DECEMBER	26
808.73	DECEMBER	27
808.60	DECEMBER	28
808.81	DECEMBER	29
808.90	DECEMBER	30
808.80	DECEMBER	31

Figures

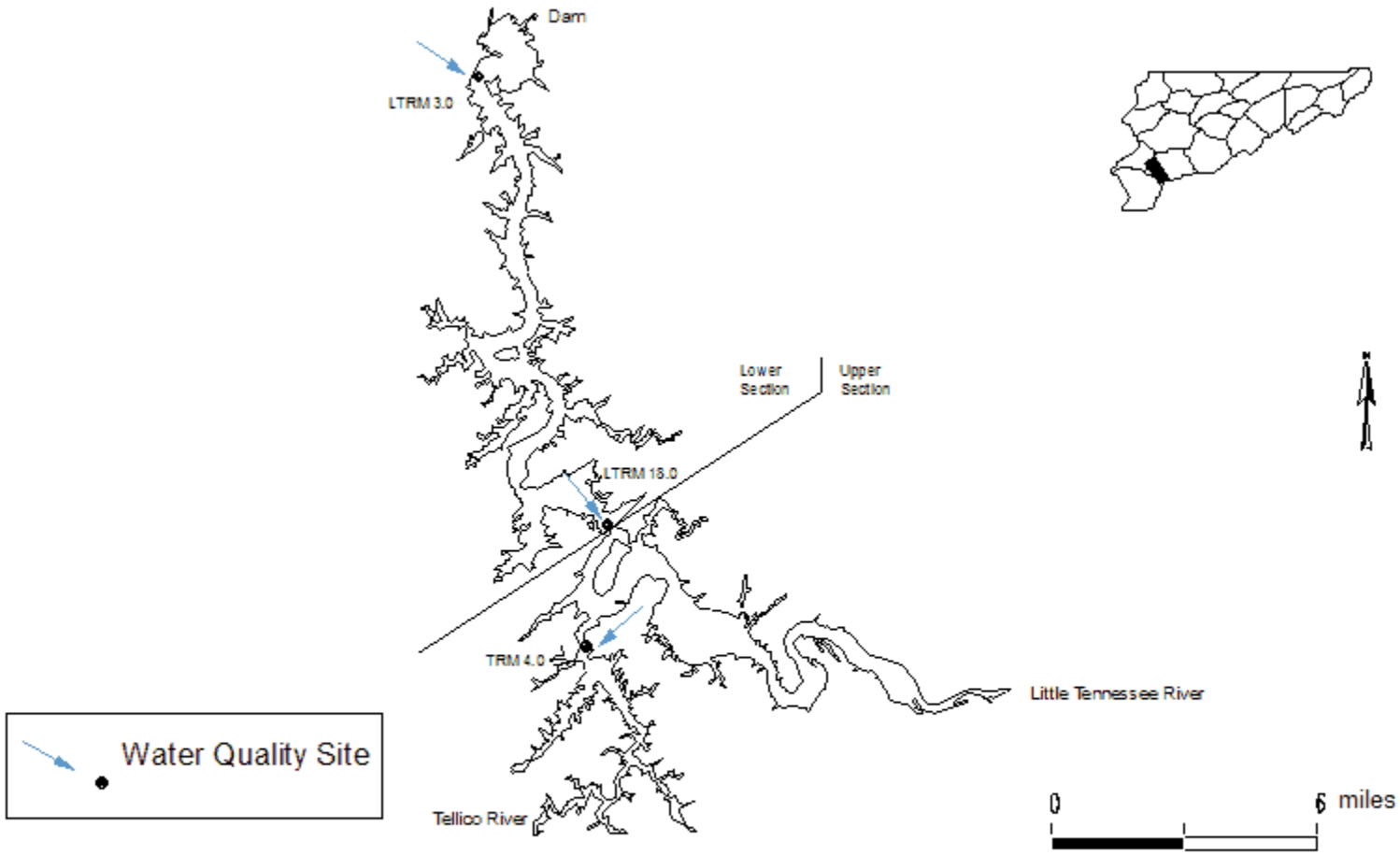


Figure 1. Water quality sites and upper and lower section boundaries of Tellico Reservoir in 2008.

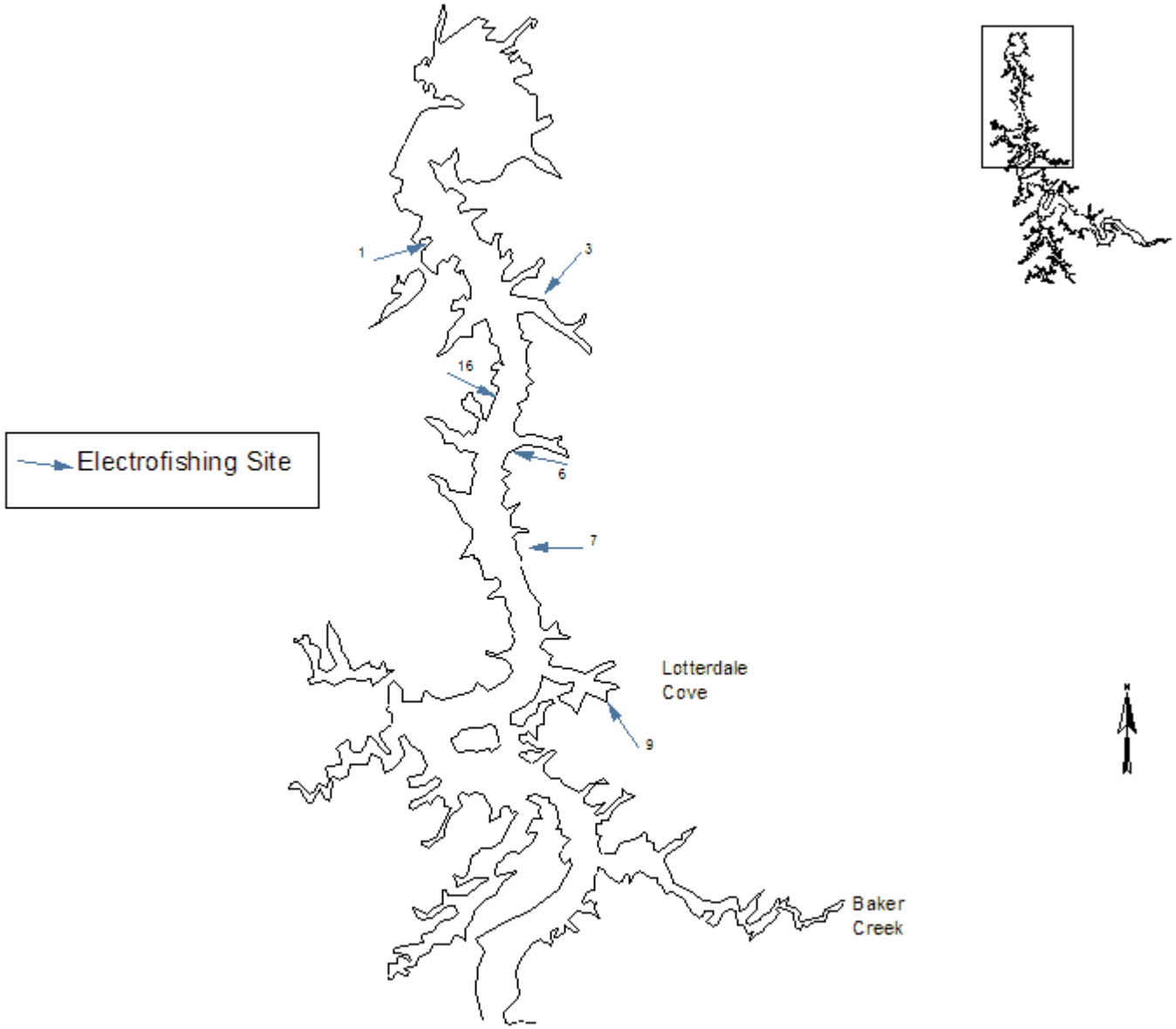


Figure 2. Electrofishing sites in the lower section of Tellico Reservoir in 2008.

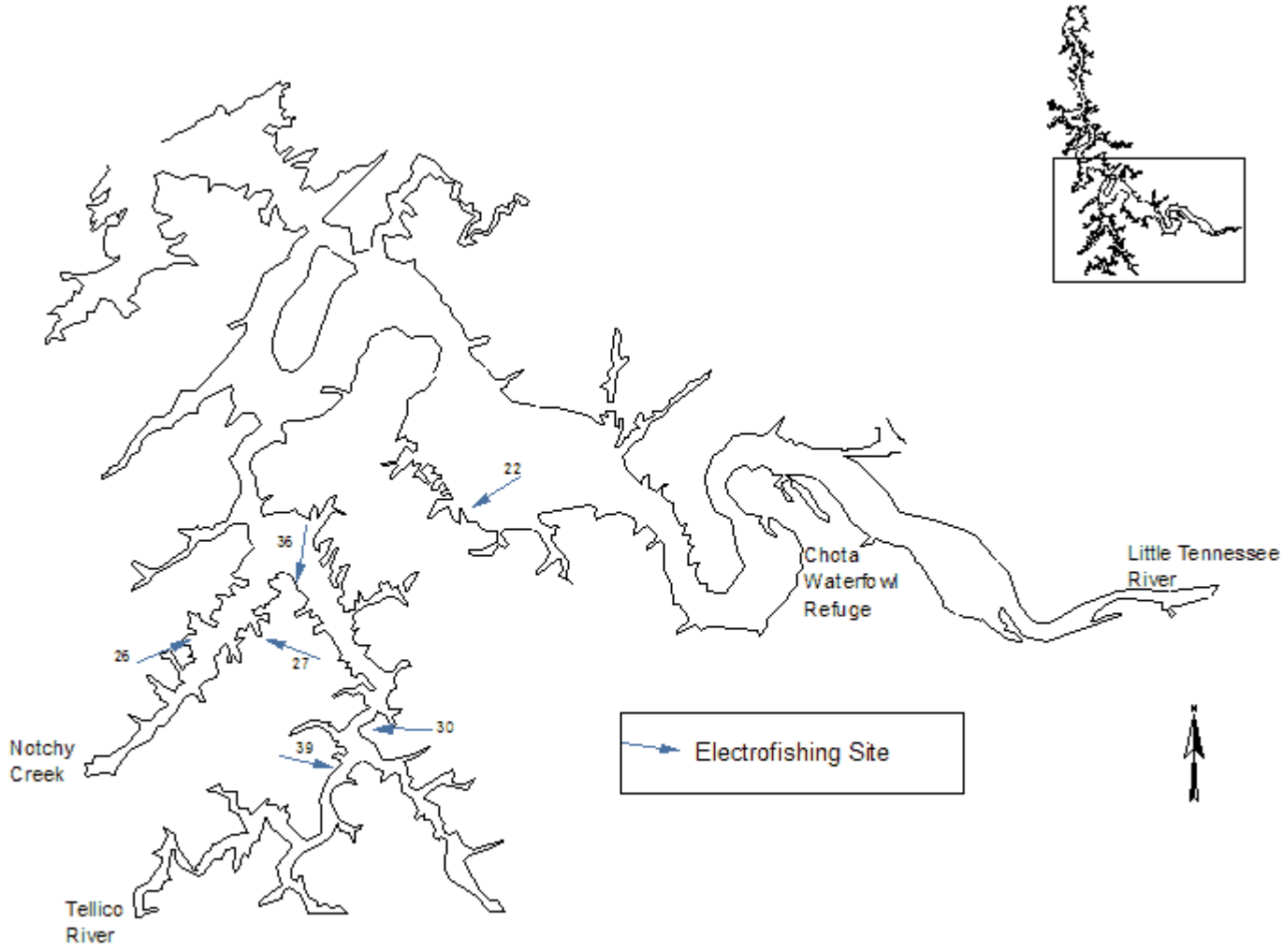


Figure 3. Electrofishing sites in the upper section of Tellico Reservoir in 2008.

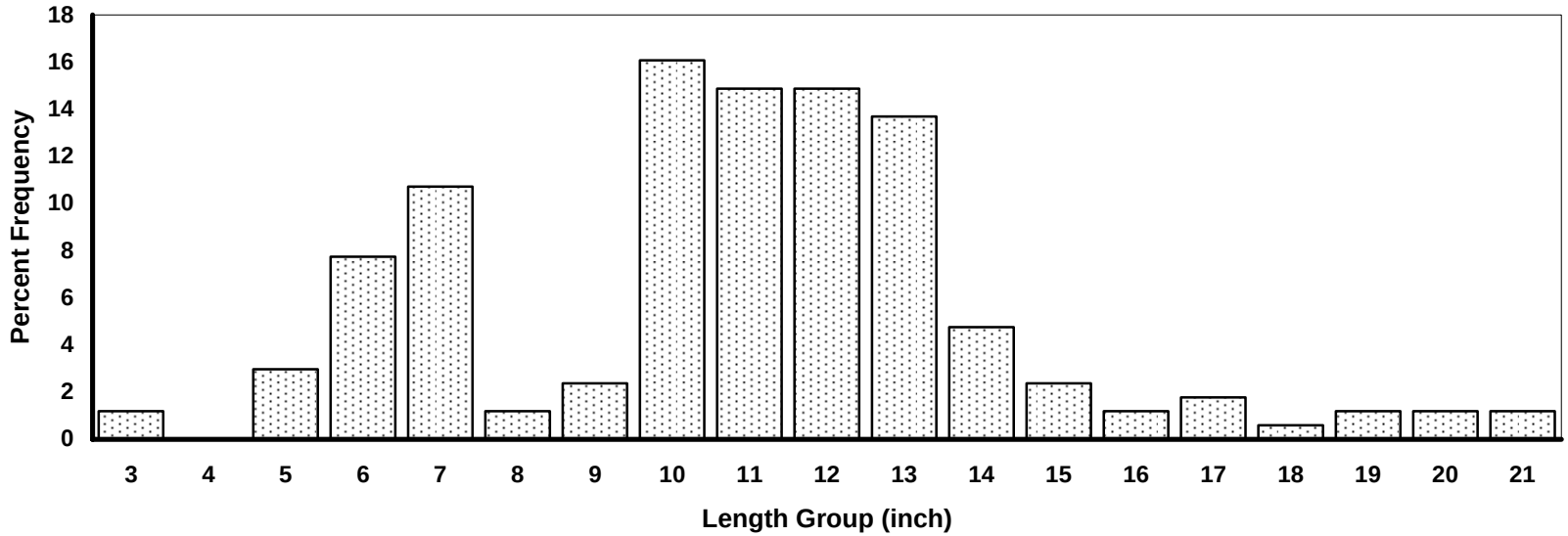


Figure 4. Tellico Reservoir largemouth bass length frequency by percent for the 2008 electrofishing sample (n=168).

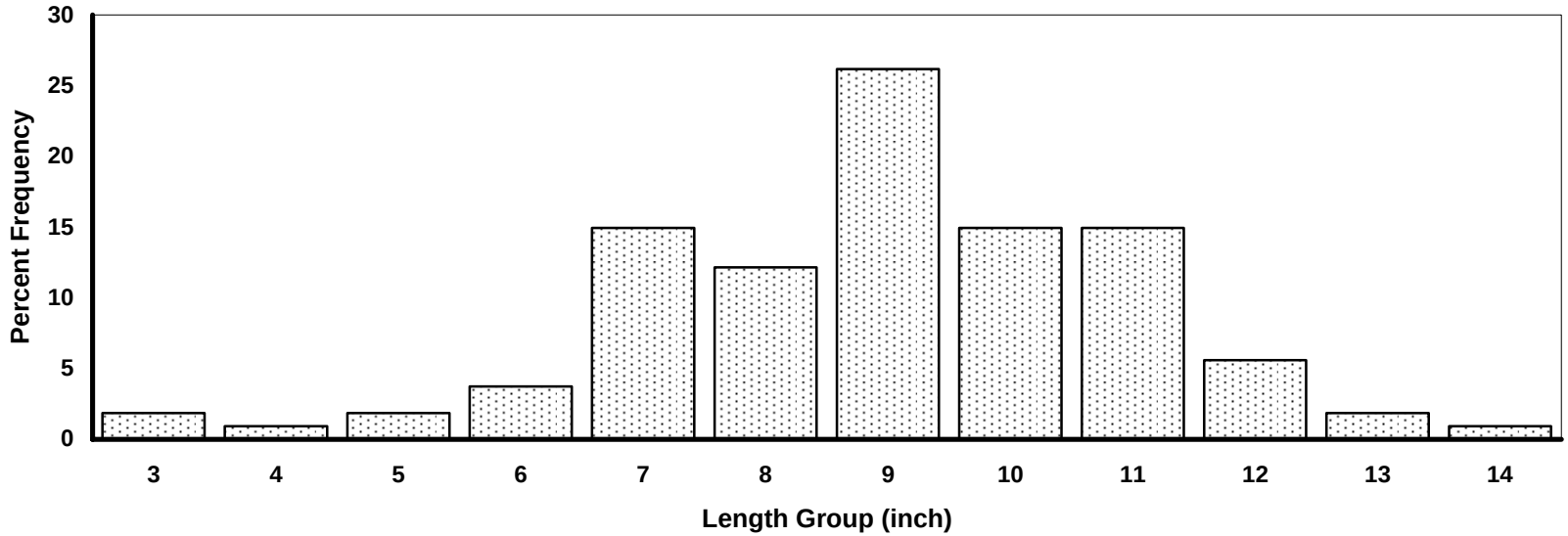


Figure 5. Tellico Reservoir spotted bass length frequency by percent for the 2008 electrofishing sample (n=107).

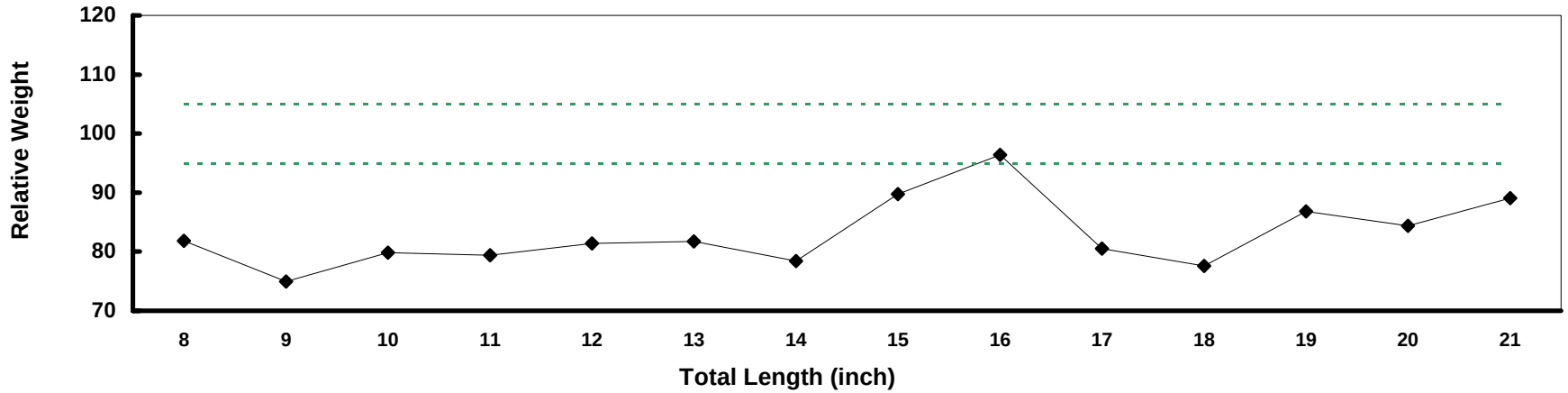


Figure 6. Tellico Reservoir largemouth bass mean relative weight values from the 2008 electrofishing sample (n=130).

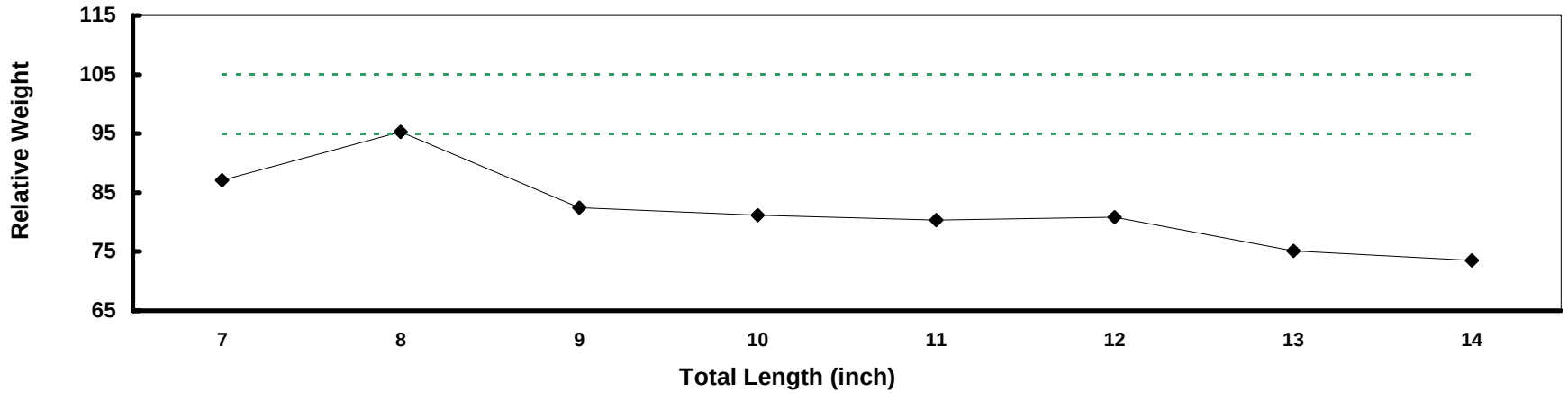


Figure 7. Tellico Reservoir spotted bass mean relative weight values from the 2008 electrofishing sample (n=85).

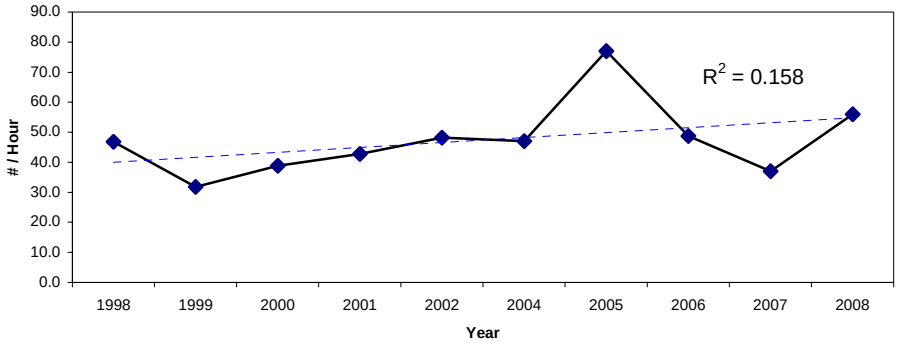


Figure 8. Tellico Reservoir largemouth bass electrofishing catch rates from 1998 to 2008.

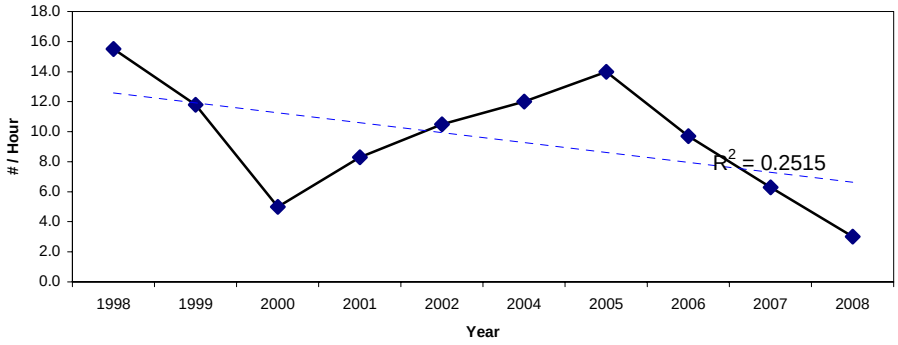


Figure 9. Tellico Reservoir smallmouth bass electrofishing catch rates from 1998 to 2008.

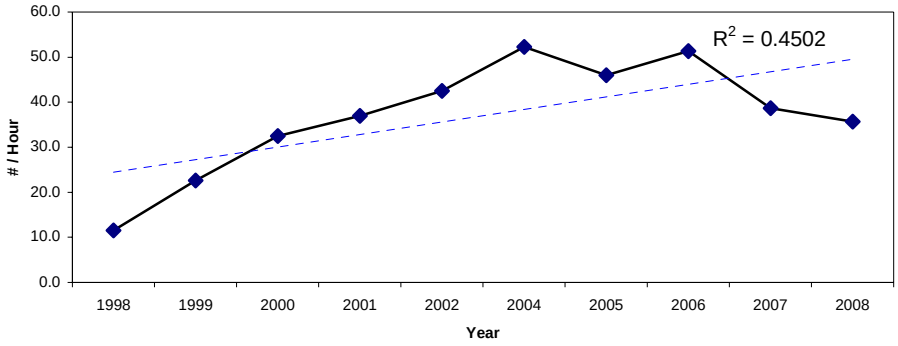


Figure 10. Tellico Reservoir spotted bass electrofishing catch rates from 1998 to 2008.

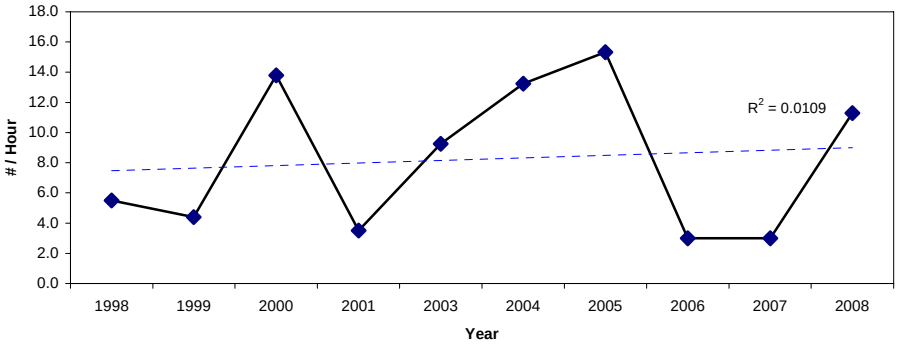


Figure 11. Tellico Reservoir white crappie electrofishing catch rates from 1998 to 2008.

Figure 12. Tellico Reservoir Water Quality at Little TN River Mile 3 - July 3, 2008

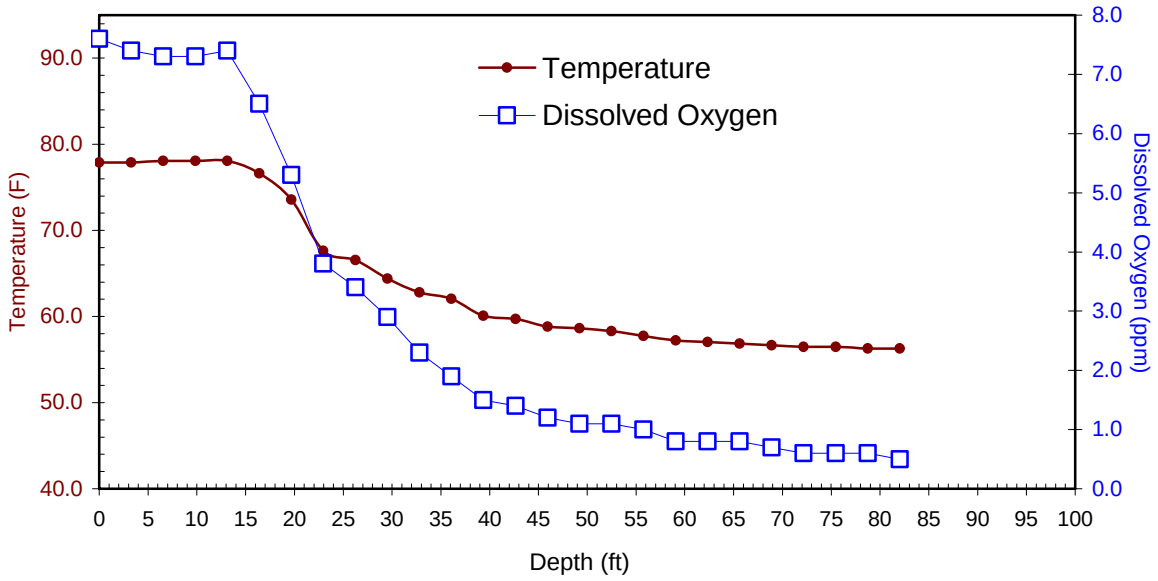


Figure 13. Tellico Reservoir Water Quality at Little TN River Mile 18 - July 3, 2008

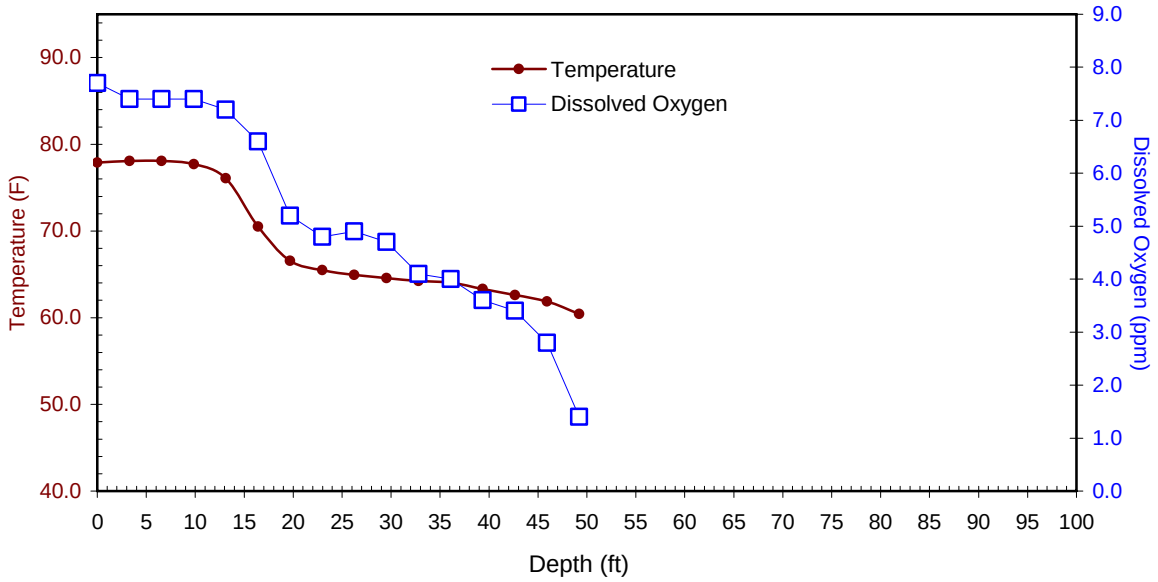


Figure 14. Tellico Reservoir Water Quality at Tellico River Mile 4 - July 3, 2008

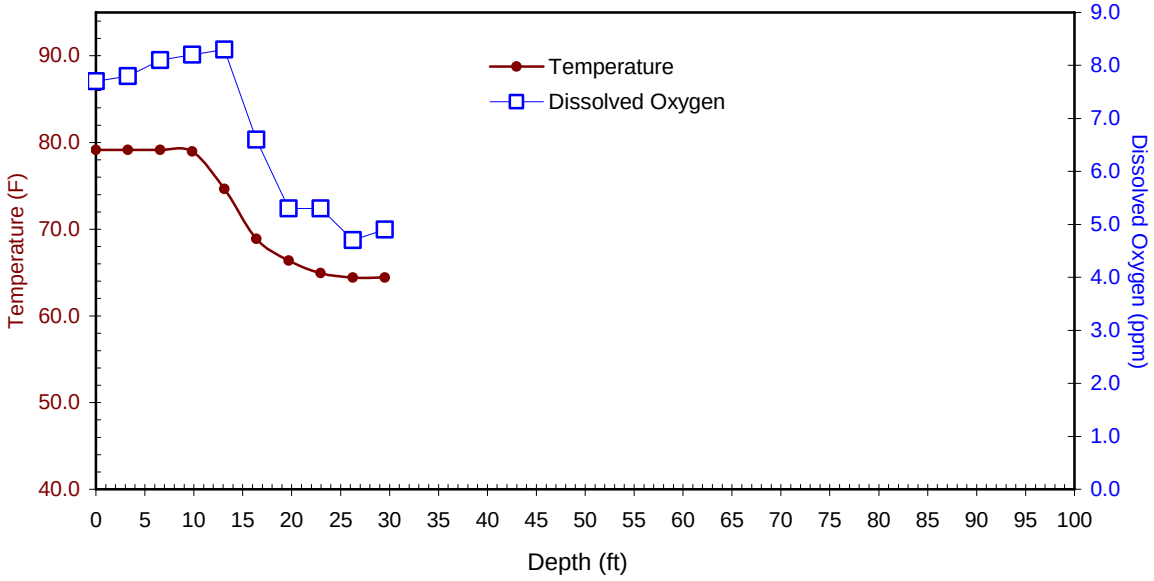


Figure 15. Tellico Reservoir Water Quality at Little TN River Mile 3 - August 7, 2008

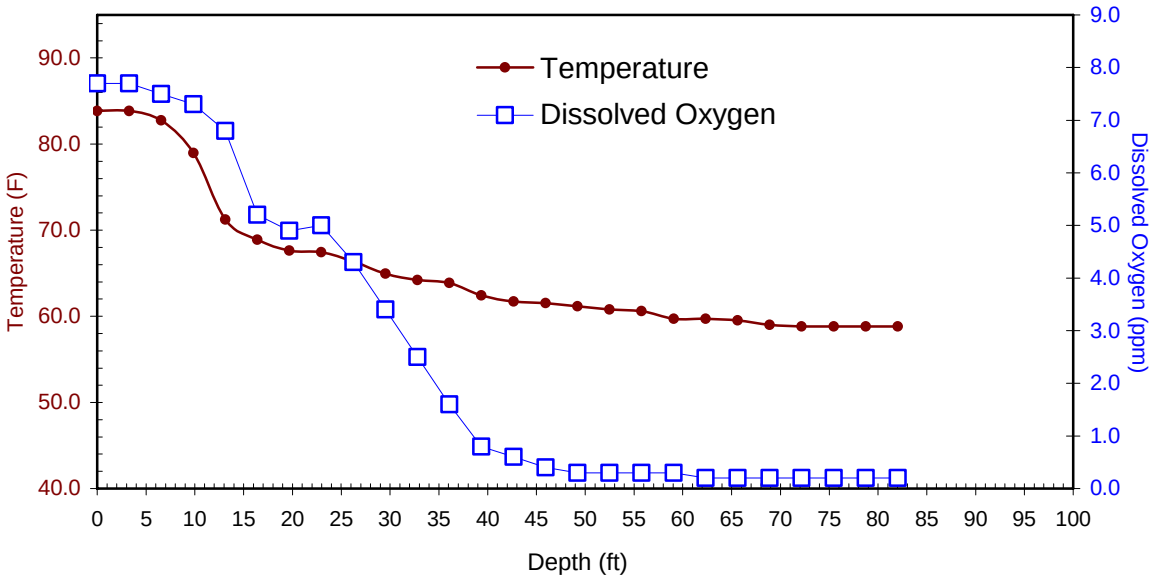


Figure 16. Tellico Reservoir Water Quality at Little TN River Mile 18 - August 7, 2008

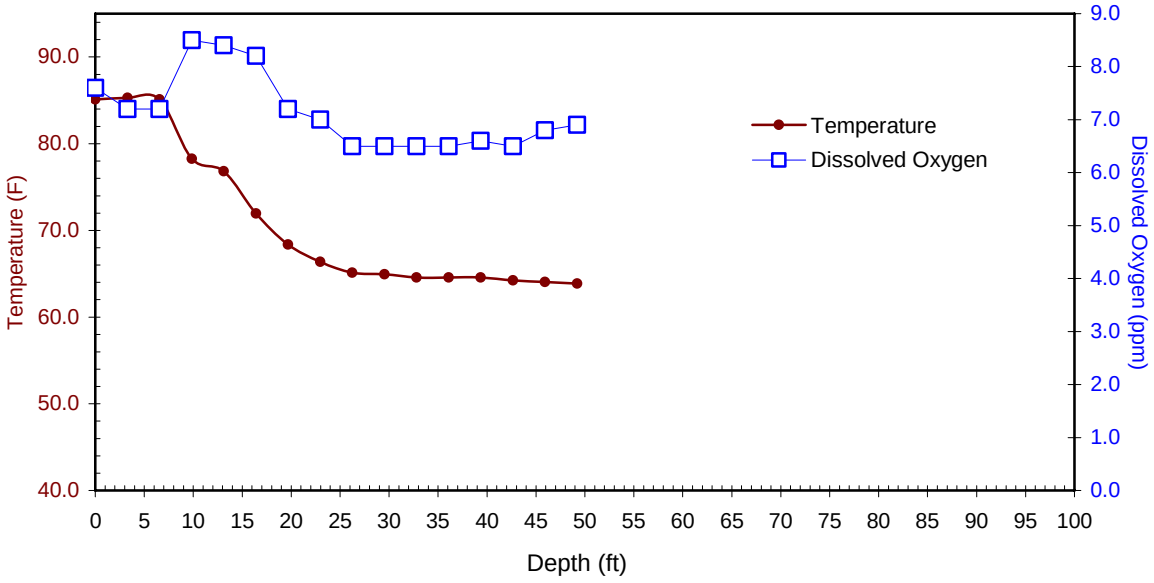
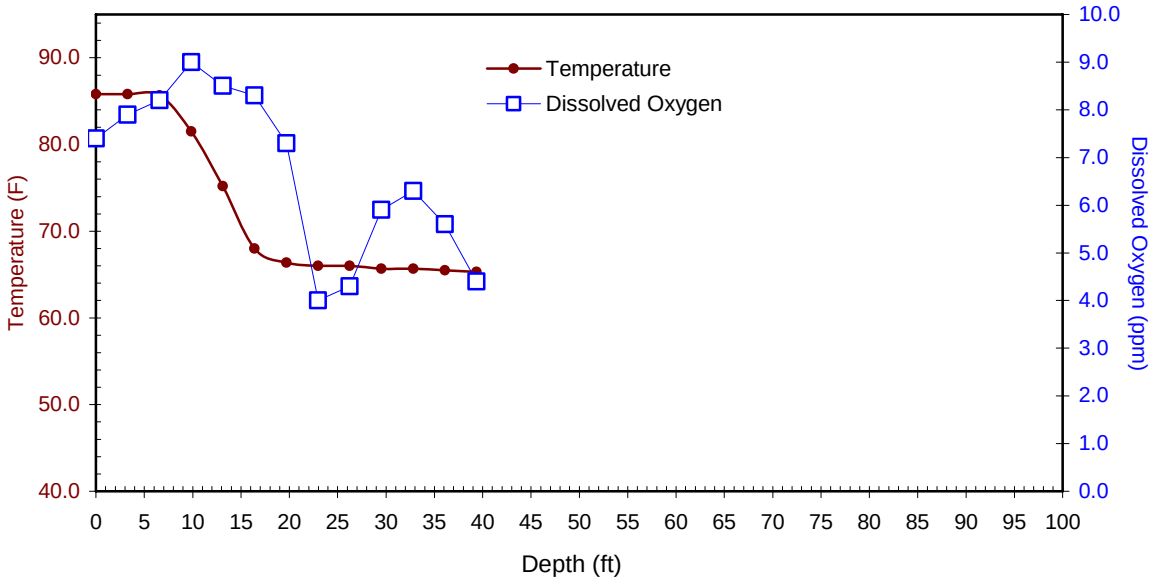


Figure 17. Tellico Reservoir Water Quality at Tellico River Mile 4 - August 7, 2008



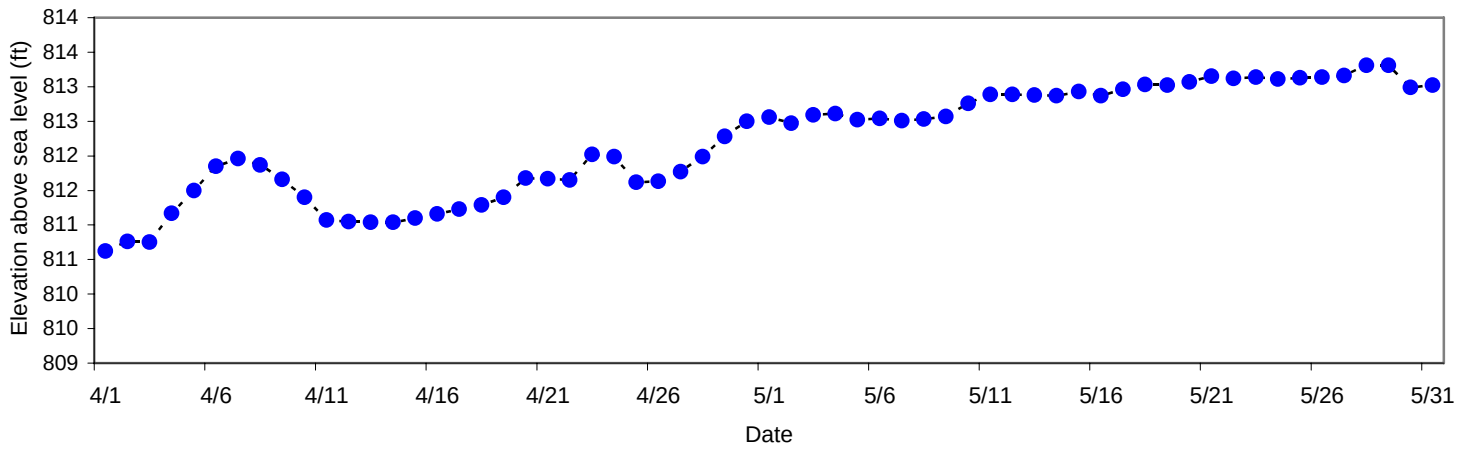


Figure 18. Tellico's 2008 April and May water levels (TVA data).