

Fort Loudoun Reservoir

Annual Report 2006

Prepared by:

Jim Negus  
and  
Douglas C. Peterson

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

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**Fort Loudoun Reservoir - 2006**

**Largemouth Bass**

<b>Population Parameter</b>	<b>Annual Rating</b>	<b>Measure</b>	<b>Gear</b>	<b>Value</b>
Recruitment	Poor	Substock CPUE	Electrofishing	2.0/hr
Structure	Good	PSD	Electrofishing	60
Density	Excellent	CPUE $\geq$ Stock Size (203 mm)	Electrofishing	64.3/hr
	Fair	CPUE $\geq$ Minimum Size Limit (356 mm)	Electrofishing	11.6/hr

Fishery Forecast: Low harvest due to contaminant problems and adequate forage should maintain the quality fishery in the future. Recruitment was down in 2006 as was the number of quality-size fish collected.

Management Recommendations: No change in the creel limit is planned for the future.

**Smallmouth Bass**

<b>Population Parameter</b>	<b>Annual Rating</b>	<b>Measure</b>	<b>Gear</b>	<b>Value</b>
Recruitment	Fair	Substock CPUE	Electrofishing	3.0/hr
Structure	Poor	PSD	Electrofishing	30
Density	Fair	CPUE $\geq$ Stock Size (178 mm)	Electrofishing	12.3/hr
	Poor	CPUE $\geq$ Minimum Size Limit (457 mm)	Electrofishing	0.0/hr

Fishery Forecast: Low harvest due to contaminant problems and adequate forage should maintain the quality fishery in the future. The new minimum size limit that went into effect in 2003 might be beginning to improve the density of this important game fish, but fewer quality fish were collected in 2006.

Management Recommendations: No change in the creel limit is planned for the future.

### White Crappie

<b>Population Parameter</b>	<b>Annual Rating</b>	<b>Measure</b>	<b>Gear</b>	<b>Value</b>
Structure	Good	PSD	Electrofishing	100
Density	Good	CPUE > Stock Size (127 mm)	Electrofishing	13.0/hr
	Good	CPUE > Minimum Size Limit (254 mm)	Electrofishing	11.0/hr

Fishery Forecast: The population appears stable. Future creel surveys planned for this reservoir will improve our ability to monitor changes and status of this and other important game fish.

Management Recommendations: No change in the creel limit is planned for the future.

## Tables

Table 1. Fort Loudoun Reservoir physical and chemical characteristics.

Surface Area	5,909 hectares
Drainage Area	24,754 sq. km
Full Pool Elevation	248 m-msl
Mean Annual Fluctuation	1.8 m
Shoreline Distance	608 km
Total Developed Shoreline	53%
Maximum Depth	23.8 m
Outlet Depth	2.7 m
Thermocline Depth	7 m (Aug 2005)
Trophic Status (Forebay)	Eutrophic
Mean Chlorophyll (Forebay)	11.7 mg/L
Trophic Index Value	54.7
Hydraulic Retention Time	10 days
Reservoir Age	63 years

Table 2. Relative stock density, mean relative weight, and catch per unit effort by RSD category for target species collected in Fort Loudoun Reservoir 1998-2006.

Species	Year	Gear	Samples	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	Electro	20	23	4.6	13.0	45	9.0	25.4	90.0	49	9.8	27.7	93.0	48	9.6	27.1	94.5	12	2.4	6.8	94.8	0	0.0	0.0	0.0	177	35.4	71
	1999	Electro	20	48	9.6	22.9	55	11.0	26.2	95.9	60	12.0	28.6	92.1	32	6.4	15.2	92.1	15	3.0	7.1	97.4	0	0.0	0.0	0.0	210	42.3	66
	2000	Electro	18	42	8.8	20.9	53	11.2	26.4	90.2	63	13.3	31.3	94.7	33	6.9	16.4	98.7	10	2.1	5.0	95.1	0	0.0	0.0	0.0	201	42.3	67
	2001	Electro	16	67	16.8	22.4	92	23.0	30.8	84.8	92	23.0	30.8	87.4	39	9.8	13.0	97.0	9	2.3	3.0	96.5	0	0.0	0.0	0.0	299	74.8	60
	2003	Electro	16	39	9.8	13.5	63	15.8	21.8	86.7	131	32.8	45.3	87.2	49	12.3	17.0	96.3	7	1.8	2.4	102.2	0	0.0	0.0	0.0	289	72.3	75
	2004	Electro	12	11	3.7	6.5	46	15.3	27.4	87.2	75	25.0	44.6	88.4	31	10.3	18.5	92.3	5	1.7	3.0	101.6	0	0.0	0.0	0.0	168	56.0	65
	2005	Electro	12	75	25.0	21.9	74	24.7	21.6	85.3	133	44.3	38.8	87.8	56	18.7	16.3	91.5	5	1.7	1.5	99.0	0	0.0	0.0	0.0	343	114.3	94
2006	Electro	12	6	2.0	3.0	77	25.7	38.7	85.5	81	27.0	40.7	87.3	32	10.7	16.1	89.6	1	0.3	0.5	93.4	0	0.0	0.0	0.0	199	66.3	60	
Smallmouth Bass	1998	Electro	20	3	0.6	8.1	15	3.0	40.5	77.4	5	1.0	13.5	86.0	4	0.8	10.8	86.7	6	1.2	16.2	100.3	4	0.8	10.8	99.6	37	7.4	56
	1999	Electro	20	7	1.4	13.5	11	2.2	21.2	88.0	15	3.0	28.9	85.0	3	0.6	5.8	91.6	11	2.2	21.2	88.7	5	1.0	9.6	0.0	52	10.4	76
	2000	Electro	18	6	1.3	22.2	9	1.9	33.3	87.1	2	0.4	7.4	85.5	7	1.5	25.9	87.5	2	0.4	7.4	92.4	0	0.0	0.0	0.0	27	5.7	57
	2001	Electro	16	4	1.0	13.8	13	3.3	44.8	84.6	2	0.5	6.9	77.1	5	1.3	17.2	85.9	4	1.0	13.8	88.7	1	0.3	3.4	0.0	29	7.3	48
	2003	Electro	16	3	0.8	12.5	4	1.0	16.7	80.8	6	1.5	25.0	80.3	7	1.8	29.2	82.5	4	1.0	16.7	87.2	0	0.0	0.0	0.0	24	6.0	81
	2004	Electro	12	3	1.0	15.8	3	1.0	15.8	77.4	9	3.0	47.4	75.3	1	0.3	5.3	62.7	3	1.0	15.8	77.2	0	0.0	0.0	0.0	19	6.3	64
	2005	Electro	12	1	0.3	4.8	5	1.7	23.8	87.4	10	3.3	47.6	82.5	5	1.7	23.8	78.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	21	7.0	72
2006	Electro	12	9	3.0	19.6	26	8.7	56.5	80.4	4	1.3	8.7	90.4	3	1.0	6.5	73.6	4	1.3	8.7	78.5	0	0.0	0.0	0.0	46	15.3	30	
White Crappie	1998	Electro	20	0	0.0	0.0	2	0.4	4.8	81.5	9	1.8	21.4	88.8	24	4.8	57.1	89.5	6	1.2	14.3	91.4	1	0.2	2.4	40.1	42	8.4	95
	1999	Electro	20	0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	9.0	88.1	5	1.0	45.5	89.6	5	1.0	45.5	87.6	0	0.0	0.0	0.0	11	2.2	100
	2000	Electro	18	0	0.0	0.0	0	0.0	0.0	0.0	2	0.4	11.1	91.3	12	2.5	66.6	94.5	4	0.8	22.2	92.8	0	0.0	0.0	0.0	18	3.8	100
	2001	Electro	16	0	0.0	0.0	0	0.0	0.0	0.0	7	1.8	43.8	84.7	5	1.3	31.3	91.4	4	1.0	25.0	85.0	0	0.0	0.0	0.0	16	4.0	100
	2003	Electro	16	0	0.0	0.0	0	0.0	0.0	0.0	29	7.3	43.9	95.9	21	5.3	31.9	93.8	16	4.0	24.2	89.7	0	0.0	0.0	0.0	66	16.5	100
	2004	Electro	12	0	0.0	0.0	0	0.0	0.0	0.0	2	0.7	5.9	95.7	25	8.3	73.5	99.3	7	2.3	20.6	97.8	0	0.0	0.0	0.0	34	11.3	100
	2005	Electro	12	0	0.0	0.0	1	0.3	2.2	117.6	17	5.7	37.8	79.7	23	7.7	51.1	85.3	4	1.3	8.9	84.9	0	0.0	0.0	0.0	45	15.0	98
2006	Electro	12	0	0.0	0.0	0	0.0	0.0	0.0	9	3.0	23.1	88.7	23	7.7	59.0	90.6	7	2.3	17.9	88.5	0	0.0	0.0	0.0	39	13.0	100	
Black Crappie	1998	Electro	20	0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	4	0.8	100.0	82.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.8		
	1999	Electro	20	0	0.0	0.0	0	0.0	0.0	0.0	2	0.4	40.0	88.0	3	0.6	60.0	81.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	5	1.0	
	2000	Electro	18	0	0.0	0.0	0	0.0	0.0	0.0	3	0.6	21.4	95.6	8	1.7	57.1	88.5	3	0.6	21.4	90.2	0	0.0	0.0	0.0	14	2.9	100
	2001	Electro	16	0	0.0	0.0	1	0.3	5.6	86.7	5	1.3	27.8	83.1	4	1.0	22.2	89.3	8	2.0	44.4	83.7	0	0.0	0.0	0.0	18	4.5	94
	2003	Electro	16	0	0.0	0.0	0	0.0	0.0	0.0	10	2.5	58.8	94.9	7	1.8	41.2	91.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	17	4.2	100
	2004	Electro	12	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.7	40.0	93.3	3	1.0	60.0	92.5	0	0.0	0.0	0.0	5	1.7	100
	2005	Electro	12	0	0.0	0.0	2	0.7	5.6	68.9	16	5.3	44.4	82.4	15	5.0	41.7	83.0	3	1.0	8.3	81.2	0	0.0	0.0	0.0	36	12.0	94
2006	Electro	12	0	0.0	0.0	1	0.3	9.0	84.2	5	1.7	45.5	84.4	5	1.7	45.5	81.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	11	3.7	91	

Table 3. Mean relative weight and standard error values by size class for Loudoun Reservoir largemouth bass collected during the 2006 electrofishing sample.

<b>Size Class</b>	<b>Mean Wr</b>	<b>Std. Error</b>	<b>N</b>
175	84.121	3.120	3
200	84.872	3.015	4
225	84.009	2.477	8
250	85.443	1.293	16
275	85.780	0.933	49
300	86.329	1.189	30
325	88.568	1.457	27
350	87.079	1.918	18
375	87.074	1.566	16
400	89.696	2.473	12
425	92.173	2.479	6
450	99.103	3.973	2
475	84.224	0.128	2
500	99.387		1
525	76.117		1
550	104.674		1

**Total Catch** 196

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

<b>Size Class</b>	<b>Mean Wr</b>	<b>Std. Error</b>	<b>N</b>
150	81.124	5.074	3
175	80.230	3.201	8
200	80.586	2.311	6
225	80.924	2.576	9
250	81.080	2.314	4
275	82.591		1
300	87.239	11.647	2
325	104.551		1
350			
375	70.952	7.558	2
400	79.035		1
425	79.653	1.617	2
450	77.311	6.400	2

**Total Catch** 41



Table 5. Mean relative weight and standard error values by size class for Loudoun Reservoir white crappie collected during the 2006 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
225	88.706	2.138	9
250	89.872	1.244	11
275	91.278	1.769	12
300	88.760	5.428	5
325	92.246		1
350	83.541		1

**Total Catch** 39

Table 6. Fort Loudoun Reservoir fish habitat enhancement summary for 2006.

LOCATION	NEW SITES			RENOVATED SITES			EXPANDED SITES		
	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES
TRM 617.15 L*				1	20	0.40			
TRM 616.40 L*				1	40	0.80			
TRM 616.40 L*				1	20	0.40			
TRM 616.0 L*	1	20	0.40						
TRM 617.95 L*							1	20	0.40
TRM 618.10 L*				1	20	0.40			
TRM 618.75 L*				1	20	0.40			
TRM 620.0 R*				1	20	0.40			
TRM 619.75 R*	1	20	0.40						
TRM 618.25 R*				1	20	0.40			
TRM 617.15 L*				1	20	0.40			
TRM 617.30 L*				1	20	0.40			
TRM 617.15 L*				1	20	0.40			
TRM 619.25 R*	1	20	0.40						
TRM 617.65 R*	1	20	0.40						
TRM 617.15 L*				1	20	0.40			
TRM 616.40 L*				1	245	4.90			
	4	80	1.60	12	485	9.70	1	20	0.40

\*Christmas trees, pallets and block

Table 7. Fort Loudoun Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
809.01	JANUARY	1	808.97	FEBRUARY	24	811.39	APRIL	19
809.30	JANUARY	2	808.79	FEBRUARY	25	810.79	APRIL	20
809.18	JANUARY	3	808.78	FEBRUARY	26	811.58	APRIL	21
809.11	JANUARY	4	808.21	FEBRUARY	27	812.88	APRIL	22
809.23	JANUARY	5	808.57	FEBRUARY	28	812.89	APRIL	23
809.10	JANUARY	6	808.94	MARCH	1	812.62	APRIL	24
808.80	JANUARY	7	808.42	MARCH	2	812.72	APRIL	25
809.02	JANUARY	8	808.59	MARCH	3	812.65	APRIL	26
808.19	JANUARY	9	808.75	MARCH	4	813.00	APRIL	27
807.55	JANUARY	10	808.87	MARCH	5	813.02	APRIL	28
807.58	JANUARY	11	807.80	MARCH	6	812.40	APRIL	29
807.94	JANUARY	12	807.53	MARCH	7	812.50	APRIL	30
808.24	JANUARY	13	808.34	MARCH	8	812.07	MAY	1
807.79	JANUARY	14	808.06	MARCH	9	811.98	MAY	2
807.64	JANUARY	15	808.48	MARCH	10	811.97	MAY	3
807.52	JANUARY	16	808.63	MARCH	11	812.04	MAY	4
807.74	JANUARY	17	808.83	MARCH	12	812.12	MAY	5
809.60	JANUARY	18	809.06	MARCH	13	812.35	MAY	6
810.13	JANUARY	19	809.13	MARCH	14	812.48	MAY	7
810.23	JANUARY	20	808.62	MARCH	15	812.18	MAY	8
809.85	JANUARY	21	808.51	MARCH	16	812.10	MAY	9
809.34	JANUARY	22	808.58	MARCH	17	811.95	MAY	10
809.73	JANUARY	23	808.63	MARCH	18	811.91	MAY	11
810.17	JANUARY	24	808.70	MARCH	19	812.27	MAY	12
810.05	JANUARY	25	808.88	MARCH	20	812.49	MAY	13
810.04	JANUARY	26	808.86	MARCH	21	812.55	MAY	14
810.27	JANUARY	27	808.90	MARCH	22	812.56	MAY	15
809.82	JANUARY	28	808.99	MARCH	23	812.72	MAY	16
808.71	JANUARY	29	809.16	MARCH	24	812.80	MAY	17
808.12	JANUARY	30	809.31	MARCH	25	812.98	MAY	18
807.90	JANUARY	31	809.39	MARCH	26	813.05	MAY	19
808.06	FEBRUARY	1	809.51	MARCH	27	813.08	MAY	20
808.58	FEBRUARY	2	809.49	MARCH	28	813.12	MAY	21
808.81	FEBRUARY	3	809.49	MARCH	29	813.07	MAY	22
809.16	FEBRUARY	4	809.36	MARCH	30	812.97	MAY	23
809.70	FEBRUARY	5	809.31	MARCH	31	812.81	MAY	24
809.68	FEBRUARY	6	809.51	APRIL	1	812.88	MAY	25
809.29	FEBRUARY	7	809.77	APRIL	2	812.88	MAY	26
809.20	FEBRUARY	8	810.00	APRIL	3	812.88	MAY	27
809.14	FEBRUARY	9	810.16	APRIL	4	812.82	MAY	28
809.03	FEBRUARY	10	810.41	APRIL	5	812.77	MAY	29
808.72	FEBRUARY	11	810.71	APRIL	6	812.84	MAY	30
808.24	FEBRUARY	12	810.93	APRIL	7	812.99	MAY	31
808.40	FEBRUARY	13	811.79	APRIL	8	813.09	JUNE	1
809.26	FEBRUARY	14	812.36	APRIL	9	813.25	JUNE	2
809.75	FEBRUARY	15	812.21	APRIL	10	813.27	JUNE	3
809.68	FEBRUARY	16	812.04	APRIL	11	813.30	JUNE	4
809.58	FEBRUARY	17	811.90	APRIL	12	813.17	JUNE	5
808.97	FEBRUARY	18	811.92	APRIL	13	813.16	JUNE	6
808.92	FEBRUARY	19	811.88	APRIL	14	812.89	JUNE	7
808.81	FEBRUARY	20	812.01	APRIL	15	812.52	JUNE	8
809.15	FEBRUARY	21	812.09	APRIL	16	812.32	JUNE	9
809.09	FEBRUARY	22	811.81	APRIL	17	812.25	JUNE	10
809.30	FEBRUARY	23	811.56	APRIL	18	812.26	JUNE	11

Table 8. Fort Loudoun Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
812.12	JUNE	12	813.00	AUGUST	5	812.73	SEPTEMBER	28
812.50	JUNE	13	812.79	AUGUST	6	812.26	SEPTEMBER	29
812.50	JUNE	14	812.50	AUGUST	7	812.40	SEPTEMBER	30
812.44	JUNE	15	812.45	AUGUST	8	812.52	OCTOBER	1
812.28	JUNE	16	812.30	AUGUST	9	812.06	OCTOBER	2
812.40	JUNE	17	812.51	AUGUST	10	812.05	OCTOBER	3
812.15	JUNE	18	812.82	AUGUST	11	811.93	OCTOBER	4
811.89	JUNE	19	812.93	AUGUST	12	812.02	OCTOBER	5
812.19	JUNE	20	812.76	AUGUST	13	812.13	OCTOBER	6
812.29	JUNE	21	812.32	AUGUST	14	812.60	OCTOBER	7
812.63	JUNE	22	812.59	AUGUST	15	812.59	OCTOBER	8
812.50	JUNE	23	812.56	AUGUST	16	812.05	OCTOBER	9
812.52	JUNE	24	812.60	AUGUST	17	812.04	OCTOBER	10
812.41	JUNE	25	812.64	AUGUST	18	812.10	OCTOBER	11
812.31	JUNE	26	812.57	AUGUST	19	812.20	OCTOBER	12
812.32	JUNE	27	812.39	AUGUST	20	812.78	OCTOBER	13
812.27	JUNE	28	812.33	AUGUST	21	813.06	OCTOBER	14
812.43	JUNE	29	812.57	AUGUST	22	813.09	OCTOBER	15
812.30	JUNE	30	812.68	AUGUST	23	812.38	OCTOBER	16
812.43	JULY	1	812.51	AUGUST	24	812.24	OCTOBER	17
812.31	JULY	2	812.68	AUGUST	25	812.31	OCTOBER	18
812.33	JULY	3	812.58	AUGUST	26	812.29	OCTOBER	19
812.25	JULY	4	812.55	AUGUST	27	812.58	OCTOBER	20
812.42	JULY	5	813.02	AUGUST	28	812.46	OCTOBER	21
812.27	JULY	6	813.03	AUGUST	29	812.49	OCTOBER	22
812.06	JULY	7	813.10	AUGUST	30	811.90	OCTOBER	23
812.17	JULY	8	813.03	AUGUST	31	811.99	OCTOBER	24
812.24	JULY	9	812.68	SEPTEMBER	1	812.04	OCTOBER	25
812.10	JULY	10	812.87	SEPTEMBER	2	812.17	OCTOBER	26
812.58	JULY	11	812.82	SEPTEMBER	3	812.60	OCTOBER	27
812.39	JULY	12	812.52	SEPTEMBER	4	812.79	OCTOBER	28
812.63	JULY	13	812.55	SEPTEMBER	5	812.66	OCTOBER	29
812.70	JULY	14	812.33	SEPTEMBER	6	812.34	OCTOBER	30
812.74	JULY	15	812.00	SEPTEMBER	7	812.23	OCTOBER	31
812.62	JULY	16	812.31	SEPTEMBER	8	812.20	NOVEMBER	1
812.37	JULY	17	812.77	SEPTEMBER	9	811.81	NOVEMBER	2
812.67	JULY	18	812.62	SEPTEMBER	10	811.89	NOVEMBER	3
812.53	JULY	19	812.33	SEPTEMBER	11	812.15	NOVEMBER	4
812.64	JULY	20	812.78	SEPTEMBER	12	812.37	NOVEMBER	5
812.89	JULY	21	812.53	SEPTEMBER	13	811.93	NOVEMBER	6
812.79	JULY	22	812.42	SEPTEMBER	14	811.83	NOVEMBER	7
812.40	JULY	23	812.26	SEPTEMBER	15	812.09	NOVEMBER	8
812.48	JULY	24	812.37	SEPTEMBER	16	812.06	NOVEMBER	9
812.63	JULY	25	812.22	SEPTEMBER	17	811.68	NOVEMBER	10
812.62	JULY	26	812.37	SEPTEMBER	18	811.37	NOVEMBER	11
812.73	JULY	27	812.90	SEPTEMBER	19	811.44	NOVEMBER	12
812.68	JULY	28	812.99	SEPTEMBER	20	811.21	NOVEMBER	13
812.59	JULY	29	813.00	SEPTEMBER	21	811.10	NOVEMBER	14
812.44	JULY	30	812.72	SEPTEMBER	22	810.93	NOVEMBER	15
812.29	JULY	31	812.99	SEPTEMBER	23	811.01	NOVEMBER	16
812.65	AUGUST	1	812.71	SEPTEMBER	24	811.14	NOVEMBER	17
812.96	AUGUST	2	812.70	SEPTEMBER	25	810.90	NOVEMBER	18
812.87	AUGUST	3	812.54	SEPTEMBER	26	810.52	NOVEMBER	19
812.73	AUGUST	4	812.63	SEPTEMBER	27	810.57	NOVEMBER	20

Table 9. Fort Loudoun Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY
810.70	NOVEMBER	21
810.98	NOVEMBER	22
811.48	NOVEMBER	23
810.87	NOVEMBER	24
810.18	NOVEMBER	25
809.23	NOVEMBER	26
809.53	NOVEMBER	27
809.52	NOVEMBER	28
809.30	NOVEMBER	29
809.03	NOVEMBER	30
808.61	DECEMBER	1
808.90	DECEMBER	2
808.43	DECEMBER	3
808.48	DECEMBER	4
808.96	DECEMBER	5
809.17	DECEMBER	6
808.95	DECEMBER	7
809.09	DECEMBER	8
809.31	DECEMBER	9
809.17	DECEMBER	10
809.00	DECEMBER	11
808.81	DECEMBER	12
808.66	DECEMBER	13
808.33	DECEMBER	14
807.92	DECEMBER	15
808.43	DECEMBER	16
808.92	DECEMBER	17
808.81	DECEMBER	18
808.58	DECEMBER	19
808.33	DECEMBER	20
808.20	DECEMBER	21
808.29	DECEMBER	22
808.93	DECEMBER	23
809.12	DECEMBER	24
809.05	DECEMBER	25
808.31	DECEMBER	26
808.62	DECEMBER	27
808.80	DECEMBER	28
808.82	DECEMBER	29
808.75	DECEMBER	30
808.85	DECEMBER	31

## Figures

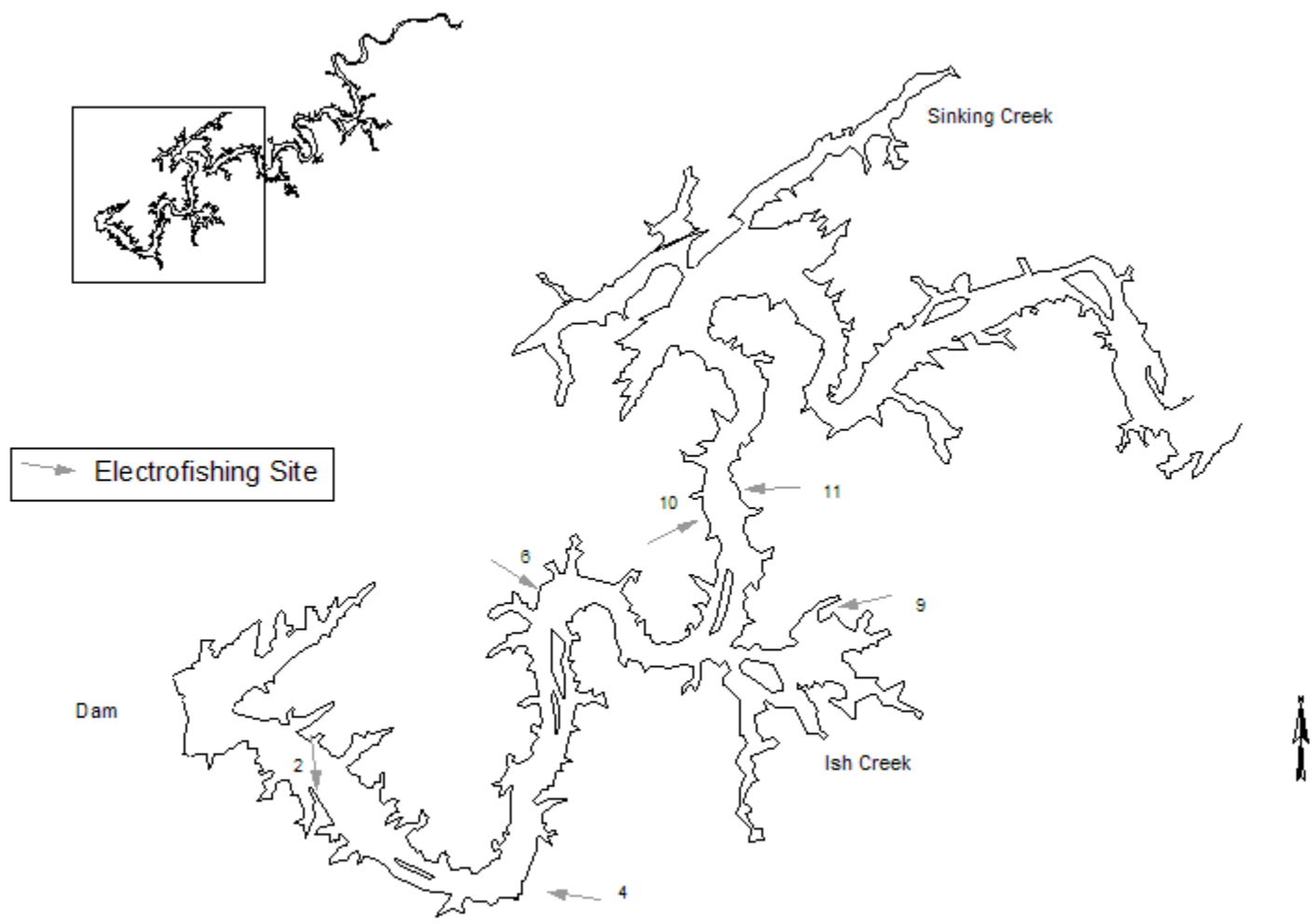


Figure 1. Electrofishing sites in the lower section of Fort Loudoun Reservoir in 2006.

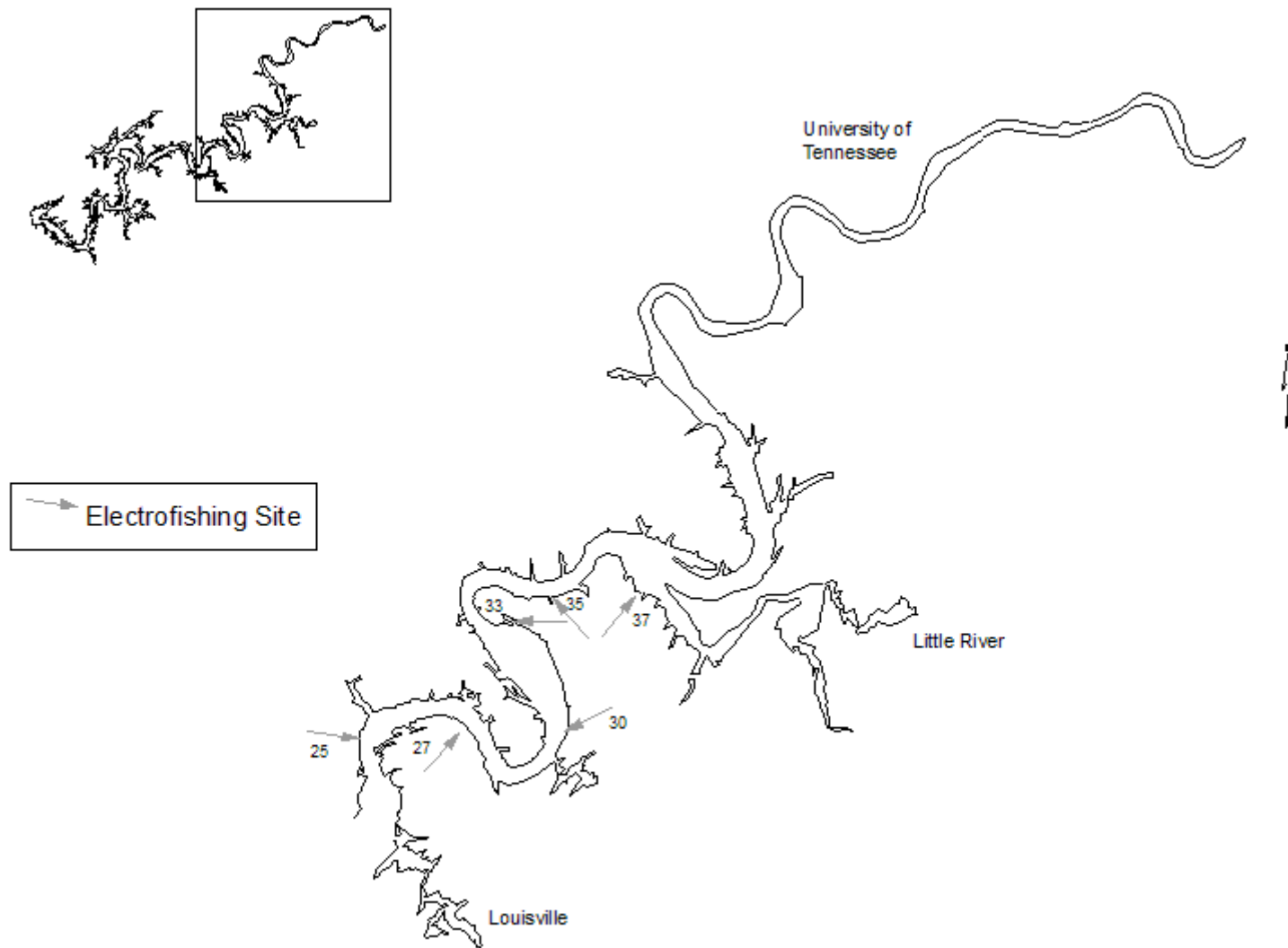


Figure 2. Electrofishing sites in the upper section of Fort Loudoun Reservoir in 2006.

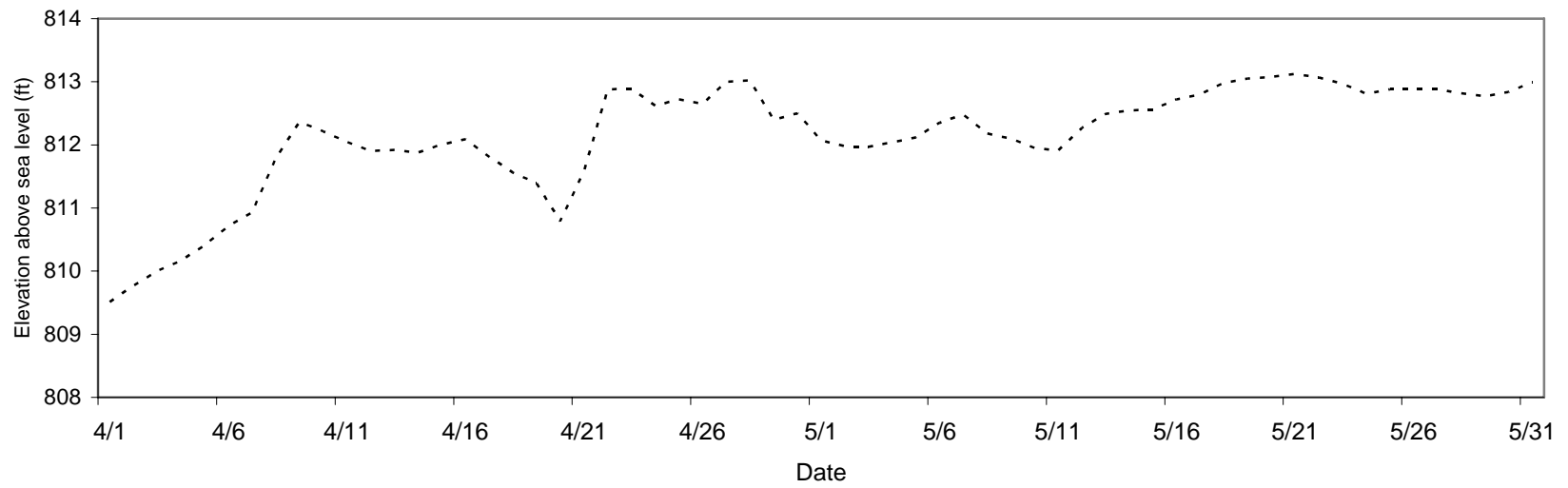


Figure 3. April and May water levels in Fort Loudoun Reservoir in 2006 (TVA data).



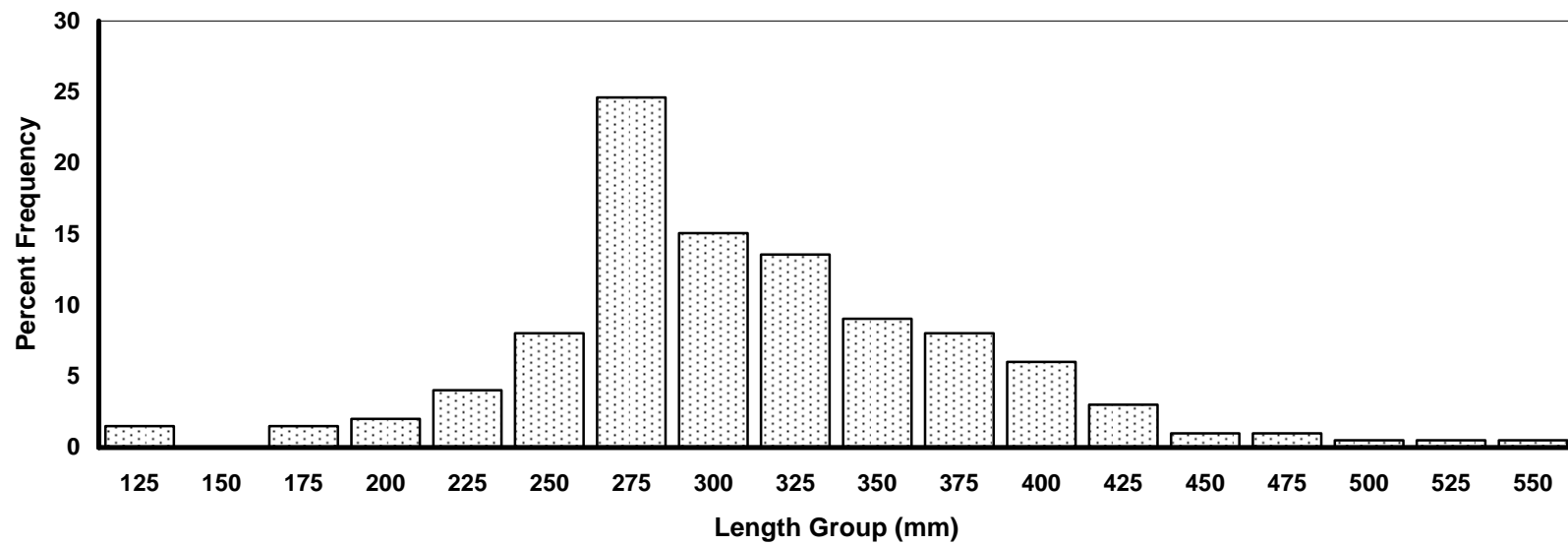


Figure 4. Fort Loudoun Reservoir largemouth bass length frequency by percent for 2006 electrofishing sample (n=199).

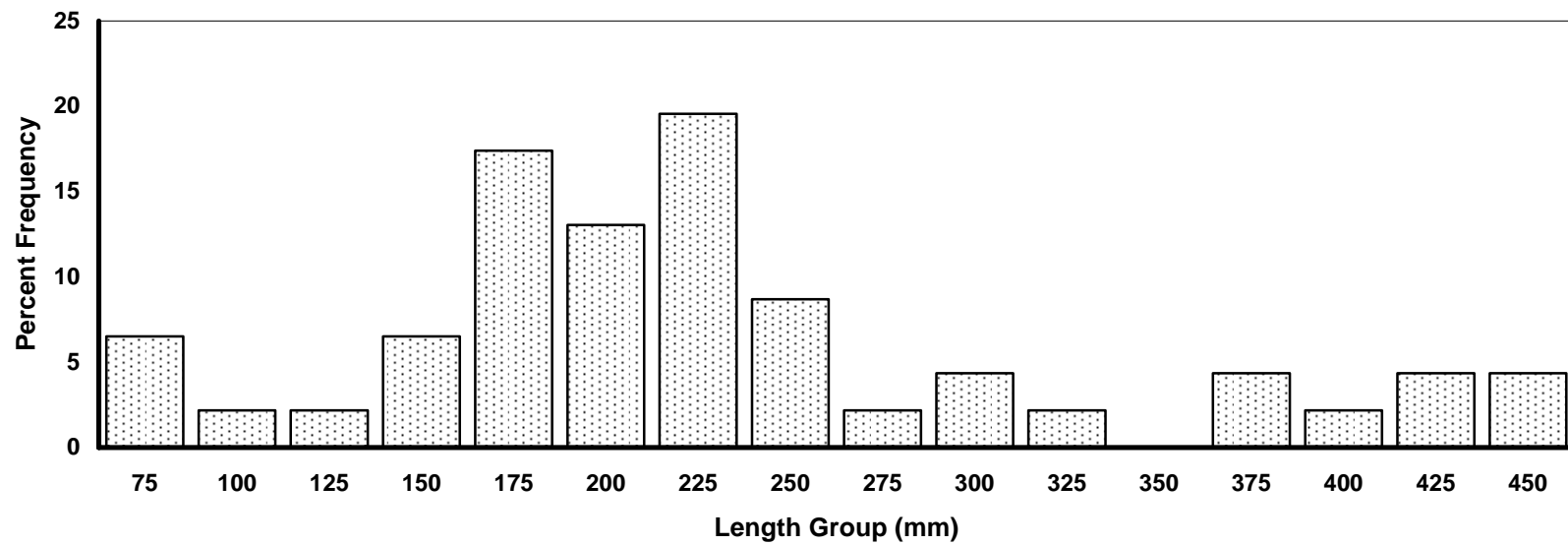


Figure 5. Fort Loudoun Reservoir smallmouth bass length frequency by percent for 2006 electrofishing sample (n=46).

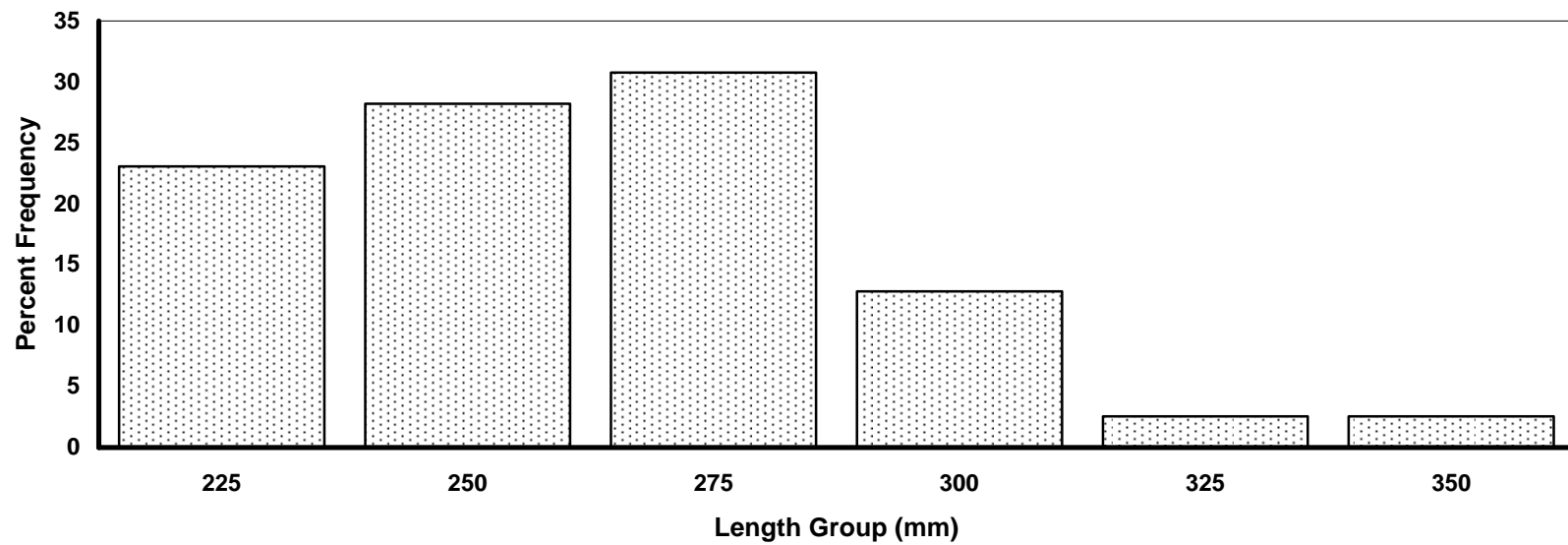


Figure 6. Fort Loudoun Reservoir white crappie length frequency by percent for 2006 electrofishing sample (n=39).

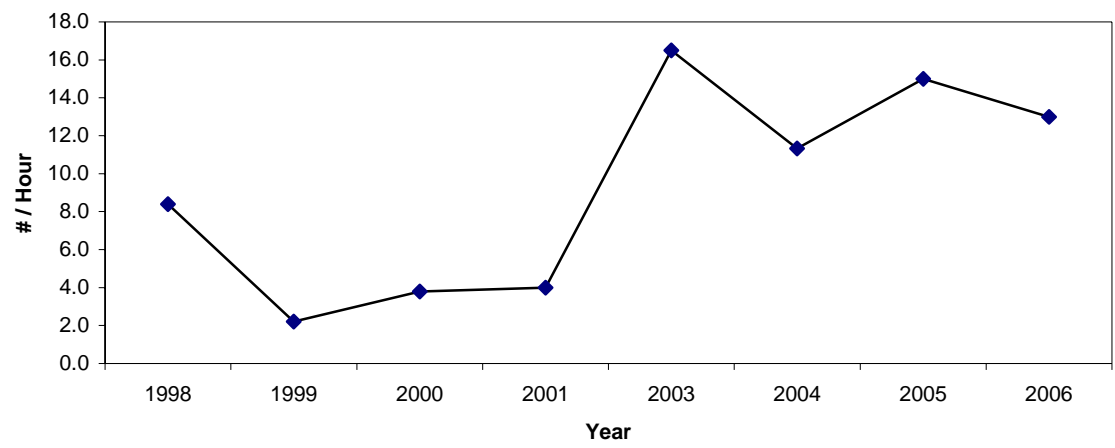


Figure 7. Fort Loudoun Reservoir white crappie electrofishing catch rates from 1998 to 2006.

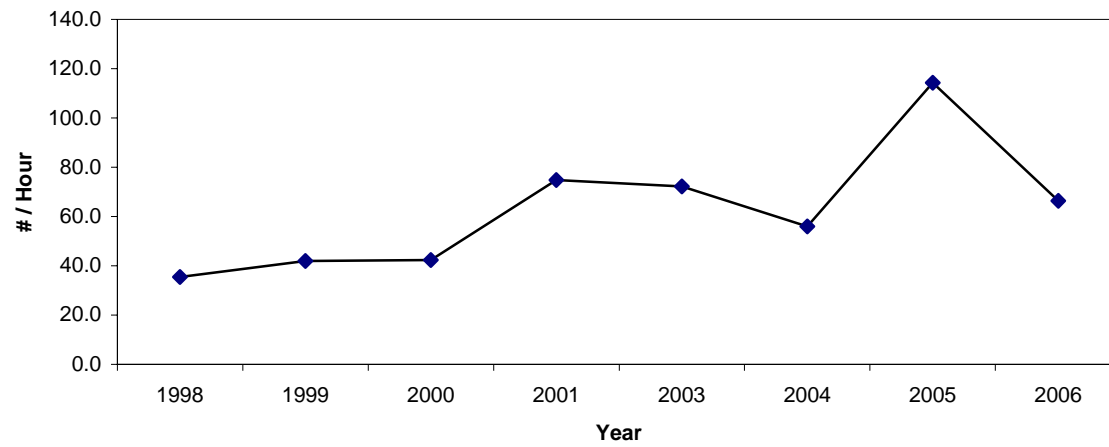


Figure 8. Fort Loudoun Reservoir largemouth bass electrofishing catch rates from 1998 to 2006.

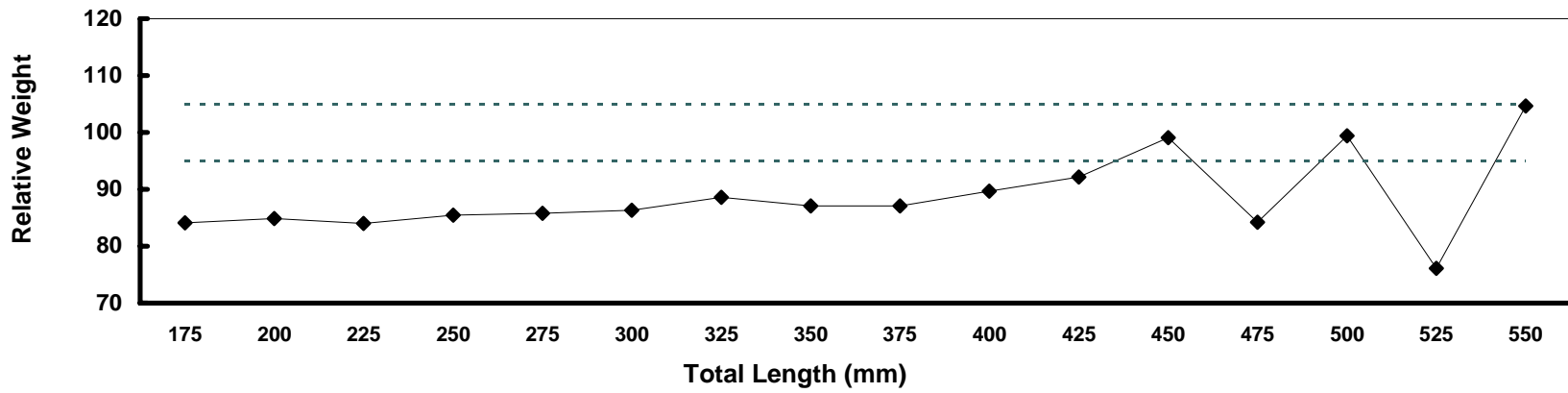


Figure 9. Fort Loudoun Reservoir largemouth bass mean relative weight values from the 2006 electrofishing sample (n=).

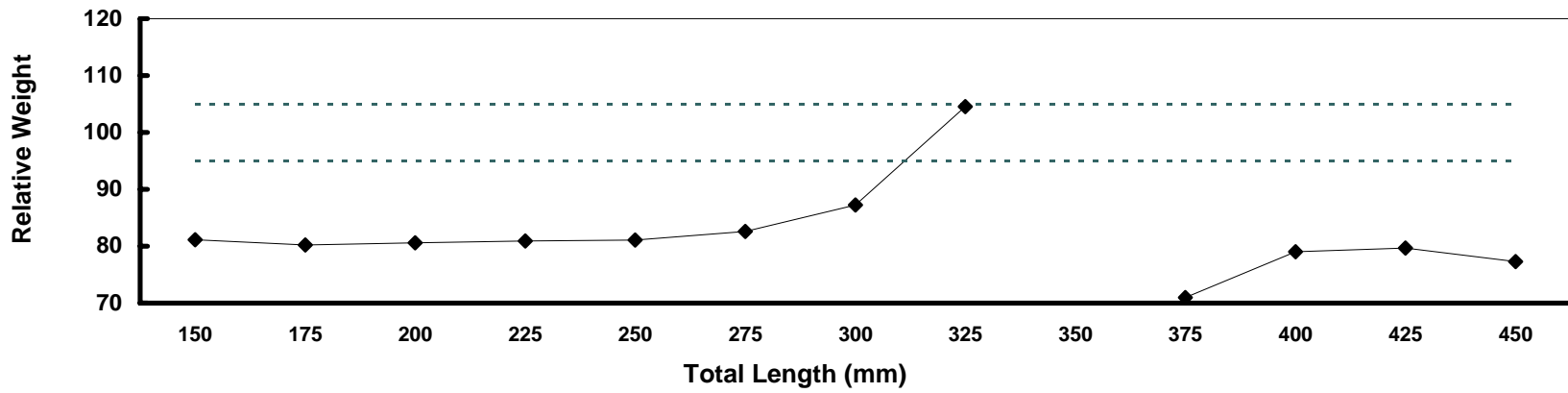


Figure 10. Fort Loudoun Reservoir smallmouth bass mean relative weight values from the 2006 electrofishing samples (n=41).

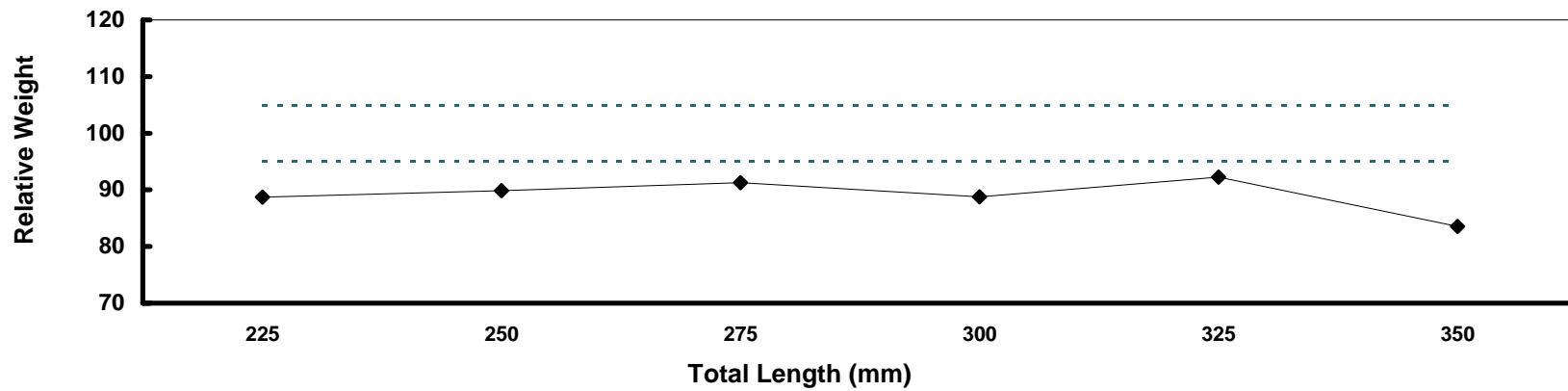


Figure 11. Fort Loudoun Reservoir white crappie mean relative weight values from the 2006 electrofishing samples (n=39).