

Fort Loudoun Reservoir

Annual Report 2007

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Largemouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Good	Substock CPUE	Electrofishing	16.7/hr
Structure	Good	PSD	Electrofishing	71
Density	Excellent	CPUE \geq Stock Size (8-inches)	Electrofishing	80.3/hr
	Fair	CPUE \geq Minimum Size Limit (15-inches)	Electrofishing	13.7/hr

Fishery Forecast: Low harvest due to contaminant problems and adequate forage should maintain the quality fishery in the future. Reqrutment and the number of quality-size fish collected improved in 2007 when compared to 2006.

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

Smallmouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Excellent	Substock CPUE	Electrofishing	10.0/hr
Structure	Poor	PSD	Electrofishing	38
Density	Fair	CPUE \geq Stock Size (7-inches)	Electrofishing	8.0/hr
	Poor	CPUE \geq Minimum Size Limit (18-inches)	Electrofishing	3.3/hr

Fishery Forecast: Low harvest due to contaminant problems and adequate forage should maintain the quality fishery in the future. The improved recruitment seen in 2007 is a promising sign that the new minimum size limit might be helping to improve the density of this important game fish.

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

White Crappie

Population Parameter	Annual Rating	Measure	Gear	Value
Structure	Good	PSD	Electrofishing	100
Density	Good	CPUE > Stock Size (5-inches)	Electrofishing	11.7/hr
	Good	CPUE > Minimum Size Limit (10-inches)	Electrofishing	10.0/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.

Habitat Enhancement

Fish Attractors	Expanded	none
	Renovated	6 sites, 360 units, 7.2 acres

Tables

Table 1. Fort Loudoun Reservoir physical and chemical characteristics.

Surface Area	14,600 acres
Drainage Area	9,550 sq. mi.
Full Pool Elevation	813 feet-msl
Mean Annual Fluctuation	6 feet
Shoreline Distance	378 miles
Total Developed Shoreline	53%
Maximum Depth	78 feet
Outlet Depth	9 feet
Thermocline Depth	23 feet (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	64 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 1998-2007.

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	42.0	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	
2007	Electro	12	50	16.7	17.2	71	23.7	24.4	86.3	125	41.7	43.0	89.5	41	13.7	14.1	91.7	4	1.3	1.4	103.1	0	0.0	0.0	0.0	291	97.0	71		
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	
2007	Electro	12	30	10.0	55.6	15	5.0	27.8	85.1	6	2.0	11.1	81.5	3	1.0	5.6	79.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	54	18.0	38		
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	
2007	Electro	12	0	0.0	0.0	0	0.0	0.0	0.0	5	1.7	14.3	90.3	20	6.7	57.1	90.8	10	3.3	28.6	87.9	0	0.0	0.0	0.0	35	11.7	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	
2007	Electro	12	0	0.0	0.0	0	0.0	0.0	0.0	18	6.0	64.3	92.8	4	1.3	14.3	92.5	6	2.0	21.4	87.7	0	0.0	0.0	0.0	28	9.3	100		

Table 3. Mean relative weight and standard error values by size class for Fort Loudoun Reservoir black crappie collected during the 2007 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
7	84.0	0.7	2
8	93.4	3.0	6
9	94.3	1.3	11
10	90.2	2.5	2
11	87.1	4.4	3
12	90.6	0.2	3

Total Catch 27

Table 4. Mean relative weight and standard error values by size class for Fort Loudoun Reservoir largemouth bass collected during the 2007 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
6	87.4	2.8	3
7	85.3	0.6	2
8	89.1	1.6	17
9	83.6	1.0	10
10	85.2	2.4	13
11	86.6	1.2	27
12	88.2	1.3	40
13	90.3	1.9	53
14	90.5	1.3	27
15	92.2	2.6	12
16	90.7	1.9	13
17	91.1	2.9	9
18	99.7	0.3	2
19	91.1	5.6	3
20	99.0	3.7	4
21	109.6		1

Total Catch 236

Table 5. Mean relative weight and standard error values by size class for Fort Loudoun Reservoir smallmouth bass collected during the 2007 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
6	93.8	3.8	3
7	77.3	2.0	3
8	87.5	3.9	4
9	83.4	2.5	7
10	95.1		1
11	78.9	0.8	3
12	82.5		1
13	85.1	2.1	2
14	89.5		1
15	74.6	0.6	2
Total Catch			27

Table 6. Mean relative weight and standard error values by size class for Fort Loudoun Reservoir white crappie collected during the 2007 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
8	92.4		1
9	91.3	2.2	5
10	90.3	2.2	9
11	89.3	1.5	15
12	88.4	1.6	3
13			
14	89.5	2.0	2
Total Catch			35

Table 7. Fort Loudoun Reservoir fish habitat enhancement summary for 2007.

LOCATION	NEW SITES			RENOVATED SITES			EXPANDED SITES		
	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES
TRM 603.0 L*				1	80	1.60			
TRM 603.0 L*				1	80	1.60			
TRM 603.5 L*				1	80	1.60			
TRM 605.25 R*				1	40	0.80			
TRM 606.75 R*				1	40	0.80			
TRM 607.0 R*				1	40	0.80			
TOTAL				6	360	7.2			

*Christmas trees, pallets and block

Table 8. Fort Loudoun Reservoir water levels for 2007. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
809.05	JANUARY	1	808.84	FEBRUARY	24	811.89	APRIL	19
808.87	JANUARY	2	808.86	FEBRUARY	25	811.97	APRIL	20
809.29	JANUARY	3	808.66	FEBRUARY	26	812.11	APRIL	21
809.52	JANUARY	4	808.36	FEBRUARY	27	812.21	APRIL	22
809.93	JANUARY	5	808.33	FEBRUARY	28	812.13	APRIL	23
809.65	JANUARY	6	808.61	MARCH	1	812.09	APRIL	24
809.23	JANUARY	7	808.93	MARCH	2	812.06	APRIL	25
809.28	JANUARY	8	809.11	MARCH	3	812.17	APRIL	26
809.38	JANUARY	9	809.19	MARCH	4	812.27	APRIL	27
809.01	JANUARY	10	808.77	MARCH	5	812.36	APRIL	28
809.11	JANUARY	11	808.40	MARCH	6	812.37	APRIL	29
809.53	JANUARY	12	808.42	MARCH	7	812.41	APRIL	30
809.71	JANUARY	13	808.57	MARCH	8	812.48	MAY	1
809.16	JANUARY	14	808.61	MARCH	9	812.58	MAY	2
808.31	JANUARY	15	808.65	MARCH	10	812.54	MAY	3
808.09	JANUARY	16	808.71	MARCH	11	812.59	MAY	4
808.49	JANUARY	17	808.63	MARCH	12	812.83	MAY	5
808.36	JANUARY	18	808.72	MARCH	13	812.87	MAY	6
809.37	JANUARY	19	808.82	MARCH	14	812.85	MAY	7
809.28	JANUARY	20	808.64	MARCH	15	812.87	MAY	8
809.27	JANUARY	21	809.11	MARCH	16	812.87	MAY	9
809.20	JANUARY	22	809.34	MARCH	17	812.88	MAY	10
809.34	JANUARY	23	809.06	MARCH	18	812.92	MAY	11
809.29	JANUARY	24	808.71	MARCH	19	812.95	MAY	12
809.19	JANUARY	25	808.68	MARCH	20	812.93	MAY	13
809.22	JANUARY	26	808.65	MARCH	21	812.99	MAY	14
809.20	JANUARY	27	808.59	MARCH	22	813.09	MAY	15
809.12	JANUARY	28	808.55	MARCH	23	813.23	MAY	16
809.25	JANUARY	29	808.64	MARCH	24	813.28	MAY	17
808.94	JANUARY	30	808.70	MARCH	25	813.30	MAY	18
808.95	JANUARY	31	808.47	MARCH	26	813.42	MAY	19
808.85	FEBRUARY	1	808.48	MARCH	27	813.57	MAY	20
808.89	FEBRUARY	2	808.61	MARCH	28	813.54	MAY	21
809.10	FEBRUARY	3	808.62	MARCH	29	813.55	MAY	22
809.13	FEBRUARY	4	808.58	MARCH	30	813.52	MAY	23
809.65	FEBRUARY	5	808.50	MARCH	31	813.18	MAY	24
809.21	FEBRUARY	6	808.51	APRIL	1	812.73	MAY	25
808.90	FEBRUARY	7	808.71	APRIL	2	812.50	MAY	26
809.09	FEBRUARY	8	808.96	APRIL	3	812.39	MAY	27
809.20	FEBRUARY	9	809.16	APRIL	4	812.24	MAY	28
809.25	FEBRUARY	10	809.24	APRIL	5	812.15	MAY	29
809.00	FEBRUARY	11	809.27	APRIL	6	812.21	MAY	30
808.91	FEBRUARY	12	809.27	APRIL	7	812.32	MAY	31
809.02	FEBRUARY	13	809.37	APRIL	8	812.29	JUNE	1
808.85	FEBRUARY	14	809.40	APRIL	9	812.56	JUNE	2
808.35	FEBRUARY	15	809.51	APRIL	10	812.56	JUNE	3
808.12	FEBRUARY	16	809.66	APRIL	11	812.52	JUNE	4
808.41	FEBRUARY	17	809.77	APRIL	12	812.55	JUNE	5
808.58	FEBRUARY	18	809.81	APRIL	13	812.56	JUNE	6
808.37	FEBRUARY	19	810.01	APRIL	14	812.39	JUNE	7
808.44	FEBRUARY	20	810.58	APRIL	15	812.27	JUNE	8
808.81	FEBRUARY	21	811.14	APRIL	16	812.17	JUNE	9
808.74	FEBRUARY	22	811.50	APRIL	17	812.24	JUNE	10
809.05	FEBRUARY	23	811.68	APRIL	18	811.87	JUNE	11

Table 9. Fort Loudoun Reservoir water levels for 2007. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
812.22	JUNE	12	812.08	AUGUST	5	812.94	SEPTEMBER	28
812.23	JUNE	13	811.85	AUGUST	6	813.12	SEPTEMBER	29
812.32	JUNE	14	811.72	AUGUST	7	813.13	SEPTEMBER	30
812.31	JUNE	15	811.97	AUGUST	8	812.61	OCTOBER	1
812.41	JUNE	16	812.11	AUGUST	9	812.47	OCTOBER	2
812.33	JUNE	17	812.31	AUGUST	10	812.45	OCTOBER	3
812.32	JUNE	18	812.37	AUGUST	11	812.73	OCTOBER	4
812.45	JUNE	19	812.19	AUGUST	12	812.74	OCTOBER	5
812.55	JUNE	20	812.25	AUGUST	13	812.83	OCTOBER	6
812.63	JUNE	21	812.50	AUGUST	14	812.67	OCTOBER	7
812.60	JUNE	22	812.37	AUGUST	15	812.20	OCTOBER	8
812.62	JUNE	23	812.35	AUGUST	16	812.11	OCTOBER	9
812.23	JUNE	24	812.41	AUGUST	17	811.95	OCTOBER	10
812.01	JUNE	25	812.31	AUGUST	18	811.96	OCTOBER	11
812.14	JUNE	26	812.20	AUGUST	19	811.95	OCTOBER	12
812.26	JUNE	27	812.07	AUGUST	20	812.29	OCTOBER	13
812.23	JUNE	28	812.10	AUGUST	21	812.30	OCTOBER	14
812.37	JUNE	29	812.28	AUGUST	22	812.25	OCTOBER	15
812.17	JUNE	30	812.35	AUGUST	23	812.28	OCTOBER	16
811.98	JULY	1	812.41	AUGUST	24	812.36	OCTOBER	17
811.83	JULY	2	812.50	AUGUST	25	812.44	OCTOBER	18
811.92	JULY	3	812.40	AUGUST	26	812.66	OCTOBER	19
811.94	JULY	4	812.13	AUGUST	27	812.67	OCTOBER	20
812.29	JULY	5	812.23	AUGUST	28	812.68	OCTOBER	21
812.25	JULY	6	812.25	AUGUST	29	812.69	OCTOBER	22
812.39	JULY	7	812.63	AUGUST	30	812.67	OCTOBER	23
812.31	JULY	8	812.31	AUGUST	31	812.60	OCTOBER	24
812.24	JULY	9	812.32	SEPTEMBER	1	812.58	OCTOBER	25
812.32	JULY	10	812.31	SEPTEMBER	2	812.61	OCTOBER	26
812.46	JULY	11	812.13	SEPTEMBER	3	812.67	OCTOBER	27
812.51	JULY	12	812.33	SEPTEMBER	4	812.69	OCTOBER	28
812.51	JULY	13	812.40	SEPTEMBER	5	812.57	OCTOBER	29
812.36	JULY	14	812.44	SEPTEMBER	6	812.56	OCTOBER	30
812.56	JULY	15	812.38	SEPTEMBER	7	812.55	OCTOBER	31
812.31	JULY	16	812.44	SEPTEMBER	8	812.45	NOVEMBER	1
812.33	JULY	17	812.32	SEPTEMBER	9	812.37	NOVEMBER	2
812.35	JULY	18	812.24	SEPTEMBER	10	812.39	NOVEMBER	3
812.39	JULY	19	812.29	SEPTEMBER	11	812.42	NOVEMBER	4
812.59	JULY	20	812.28	SEPTEMBER	12	812.25	NOVEMBER	5
812.67	JULY	21	812.30	SEPTEMBER	13	812.20	NOVEMBER	6
812.45	JULY	22	812.47	SEPTEMBER	14	812.08	NOVEMBER	7
812.47	JULY	23	812.49	SEPTEMBER	15	812.04	NOVEMBER	8
812.52	JULY	24	812.42	SEPTEMBER	16	811.88	NOVEMBER	9
812.64	JULY	25	812.30	SEPTEMBER	17	811.90	NOVEMBER	10
812.71	JULY	26	812.37	SEPTEMBER	18	811.83	NOVEMBER	11
812.73	JULY	27	812.47	SEPTEMBER	19	811.70	NOVEMBER	12
812.80	JULY	28	812.47	SEPTEMBER	20	811.60	NOVEMBER	13
812.96	JULY	29	812.50	SEPTEMBER	21	811.80	NOVEMBER	14
812.78	JULY	30	812.56	SEPTEMBER	22	811.92	NOVEMBER	15
812.58	JULY	31	812.63	SEPTEMBER	23	811.98	NOVEMBER	16
812.59	AUGUST	1	812.62	SEPTEMBER	24	811.94	NOVEMBER	17
812.55	AUGUST	2	812.64	SEPTEMBER	25	811.80	NOVEMBER	18
812.56	AUGUST	3	812.69	SEPTEMBER	26	811.68	NOVEMBER	19
812.61	AUGUST	4	812.80	SEPTEMBER	27	811.50	NOVEMBER	20

Table 10. Fort Loudoun Reservoir water levels for 2007. (TVA

ELEVATION	MONTH	DAY
811.29	NOVEMBER	21
811.19	NOVEMBER	22
810.92	NOVEMBER	23
810.92	NOVEMBER	24
810.80	NOVEMBER	25
811.01	NOVEMBER	26
810.75	NOVEMBER	27
810.56	NOVEMBER	28
810.26	NOVEMBER	29
810.04	NOVEMBER	30
810.00	DECEMBER	1
810.11	DECEMBER	2
809.80	DECEMBER	3
809.69	DECEMBER	4
809.51	DECEMBER	5
809.44	DECEMBER	6
809.39	DECEMBER	7
809.36	DECEMBER	8
809.35	DECEMBER	9
809.38	DECEMBER	10
809.25	DECEMBER	11
809.09	DECEMBER	12
808.99	DECEMBER	13
808.87	DECEMBER	14
808.91	DECEMBER	15
809.00	DECEMBER	16
808.98	DECEMBER	17
808.94	DECEMBER	18
808.80	DECEMBER	19
808.73	DECEMBER	20
808.76	DECEMBER	21
808.82	DECEMBER	22
808.75	DECEMBER	23
808.80	DECEMBER	24
808.84	DECEMBER	25
808.79	DECEMBER	26
808.93	DECEMBER	27
809.27	DECEMBER	28
809.78	DECEMBER	29
809.94	DECEMBER	30
809.96	DECEMBER	31

Figures

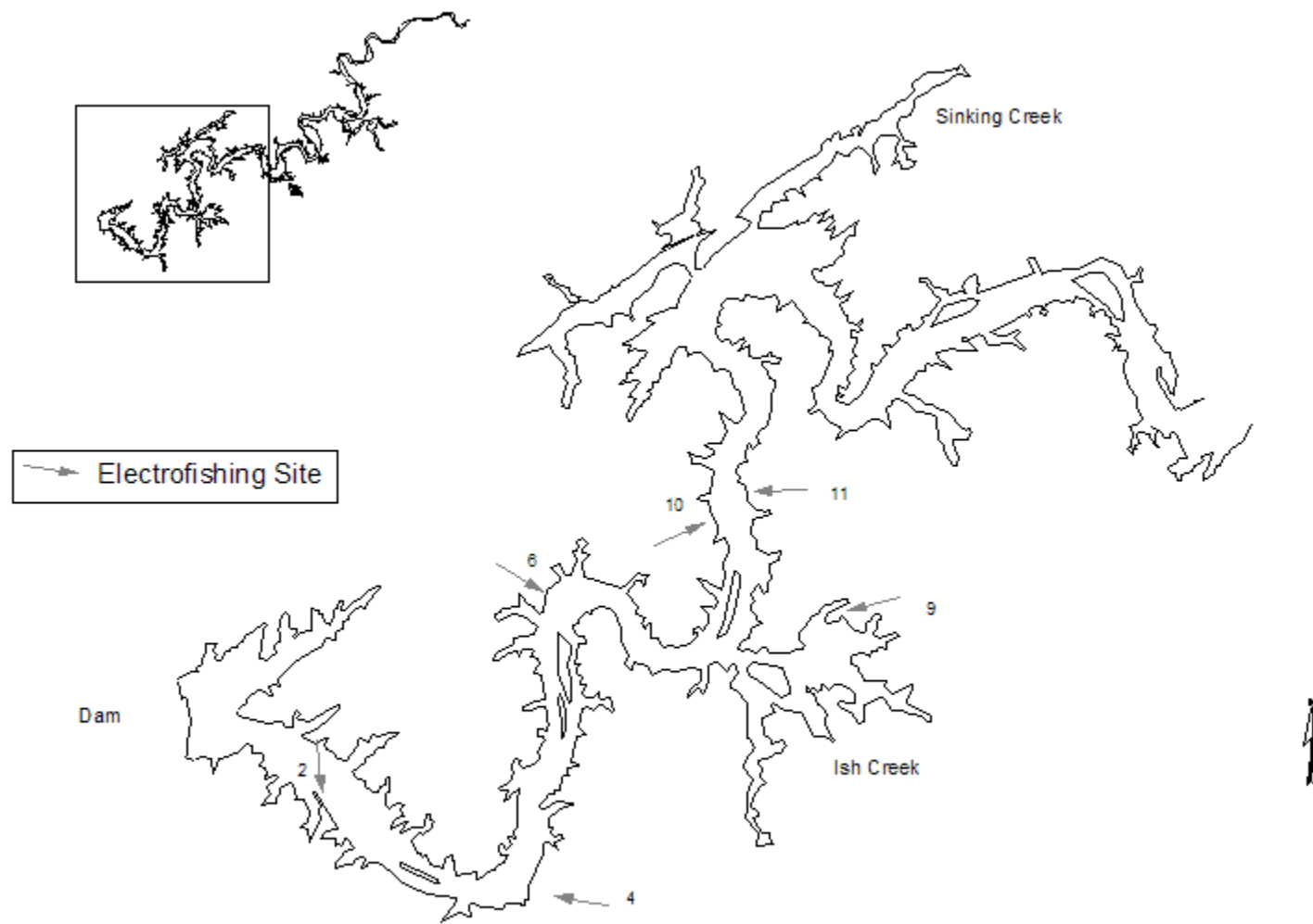


Figure 1. Electrofishing sites in the lower section of Fort Loudoun Reservoir in 2007.

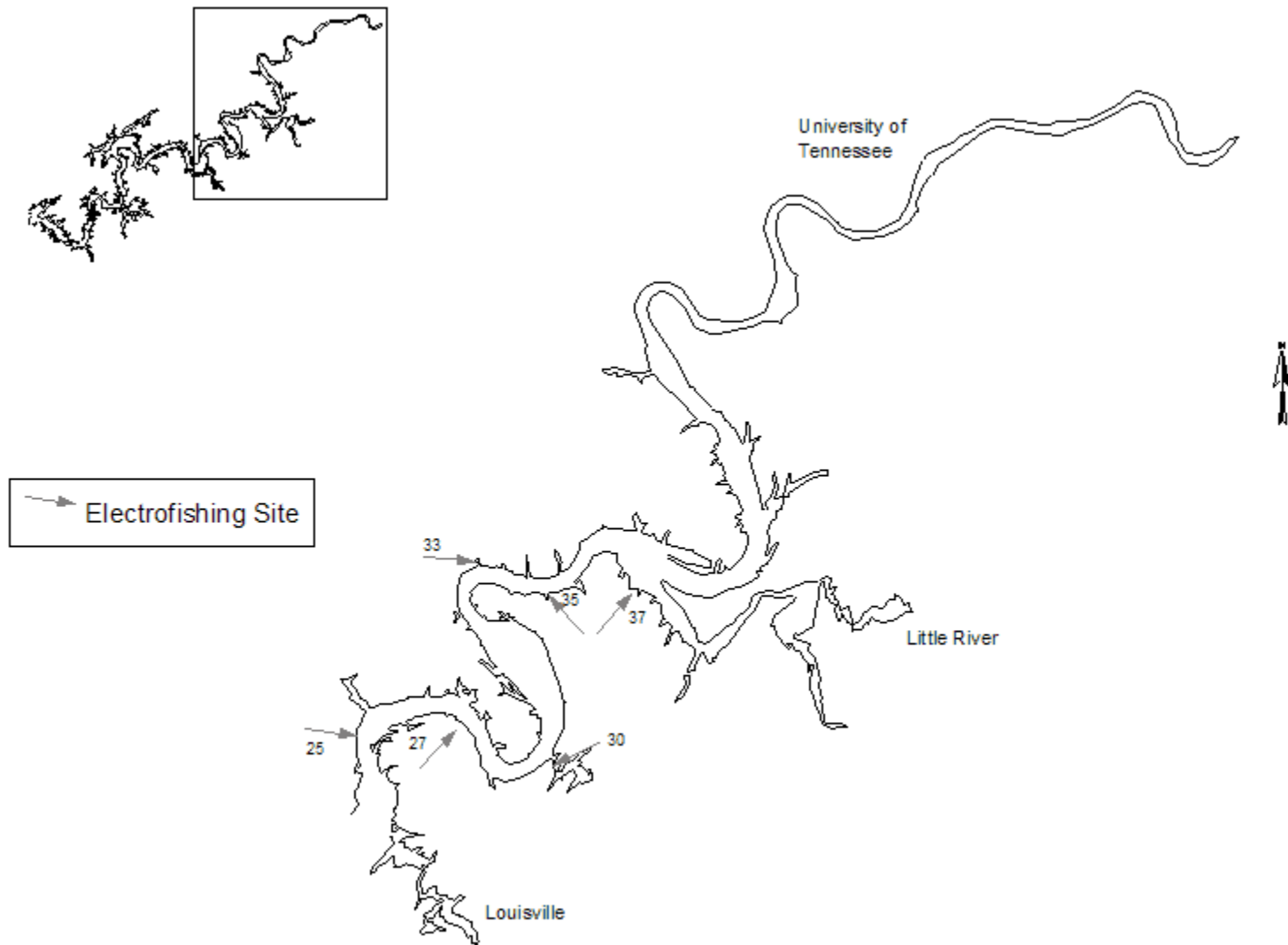


Figure 2. Electrofishing sites in the upper section of Fort Loudoun Reservoir in 2007.

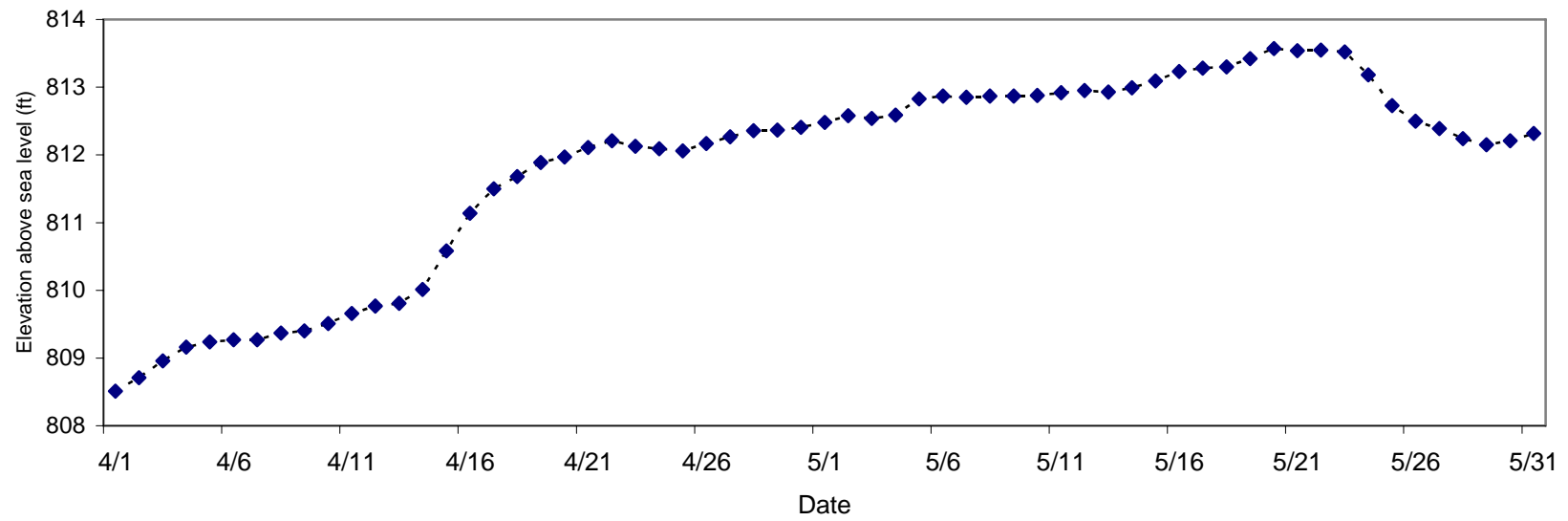


Figure 3. April and May water levels in Fort Loudoun Reservoir in 2007 (TVA data).

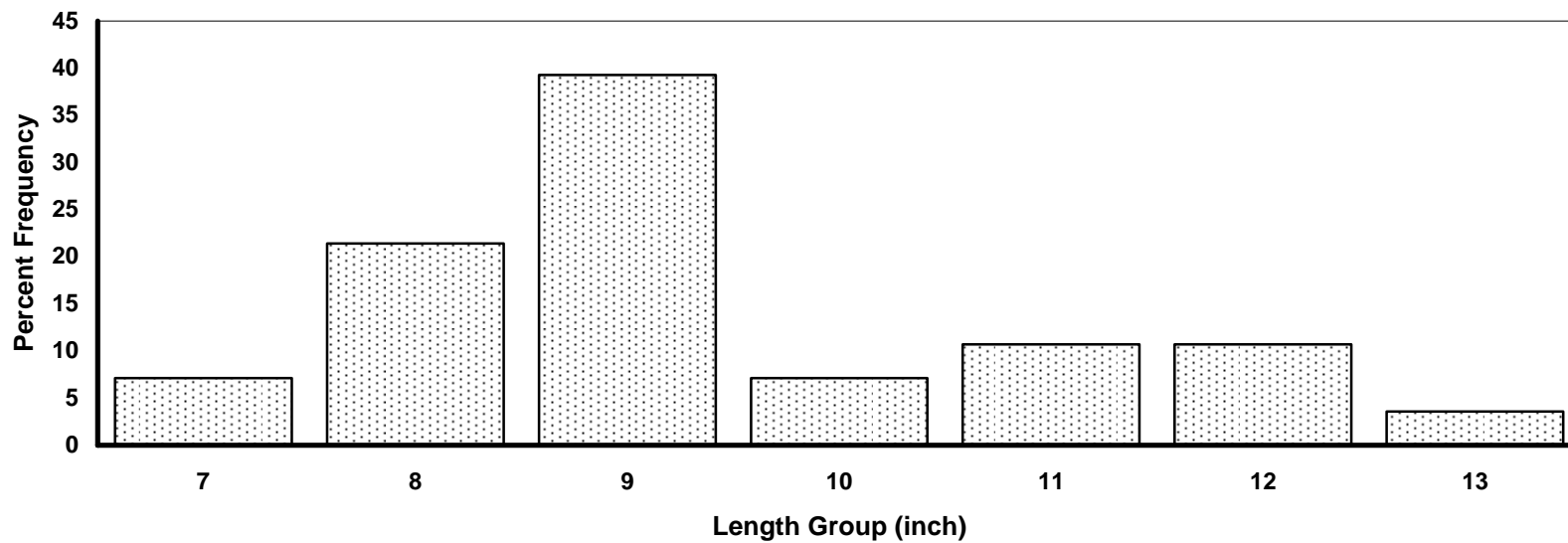


Figure 4. Fort Loudoun Reservoir black crappie length frequency by percent for the 2007 electrofishing sample (n=28).

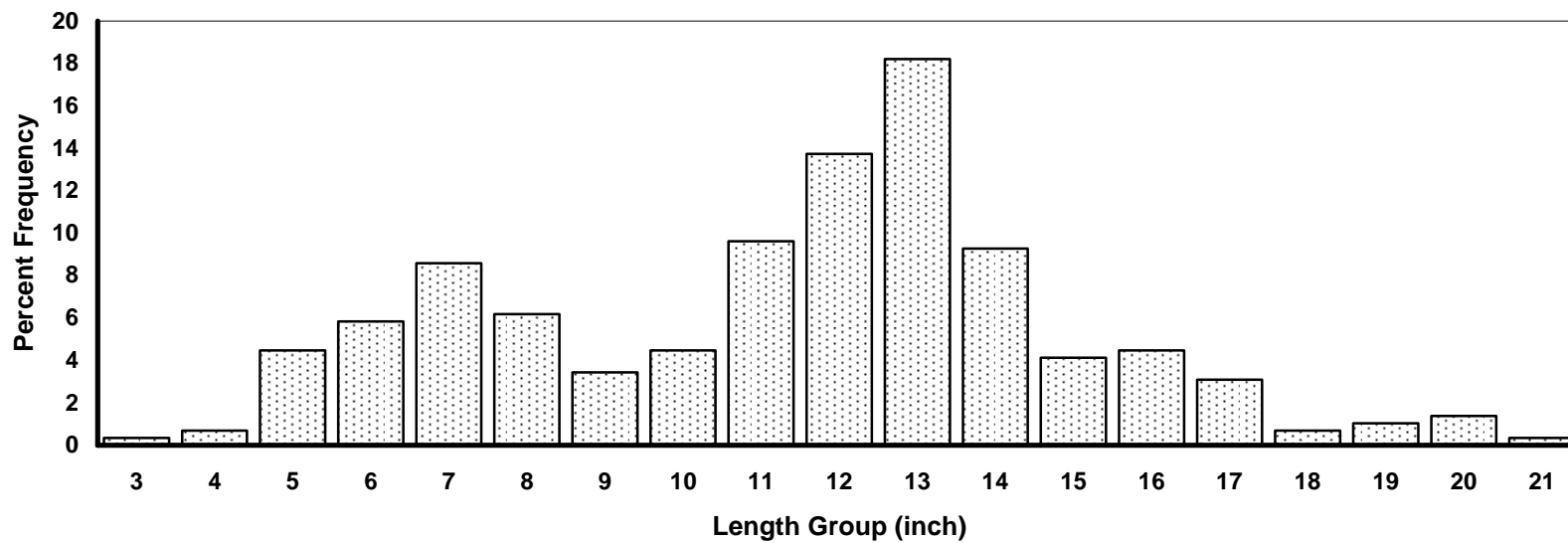


Figure 5. Fort Loudoun Reservoir largemouth bass length frequency by percent for the 2007 electrofishing sample (n=291).

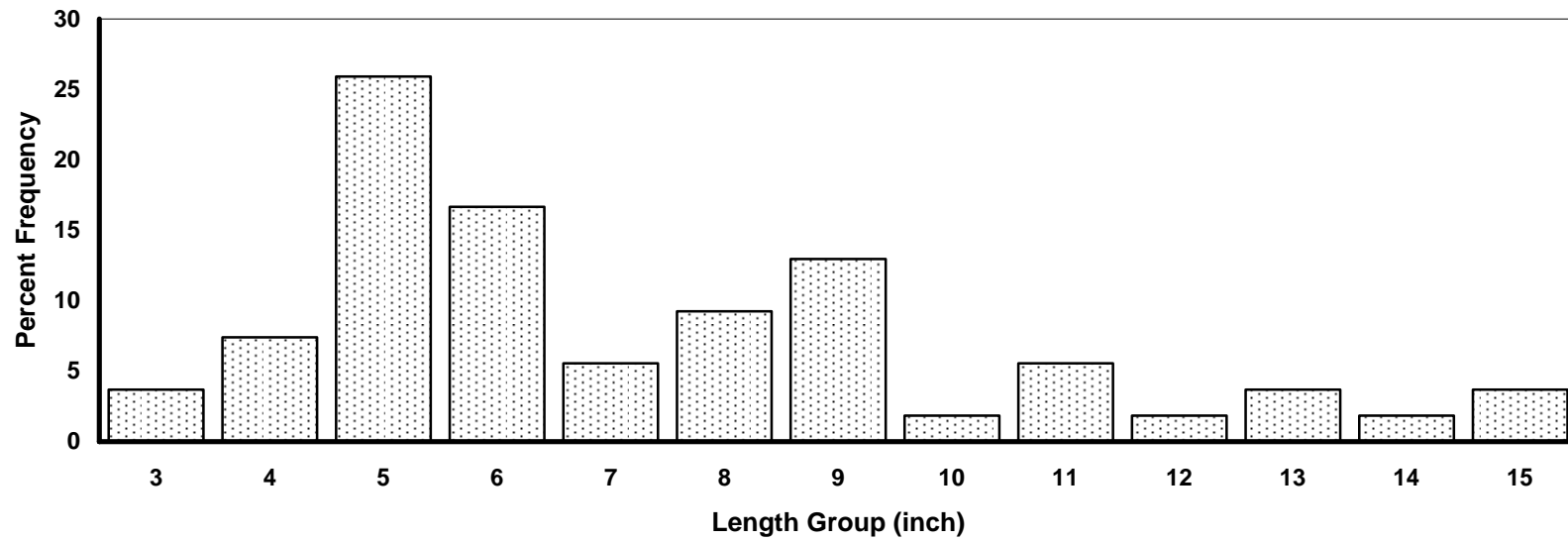


Figure 6. Fort Loudoun Reservoir smallmouth bass length frequency by percent for the 2007 electrofishing sample (n=54).

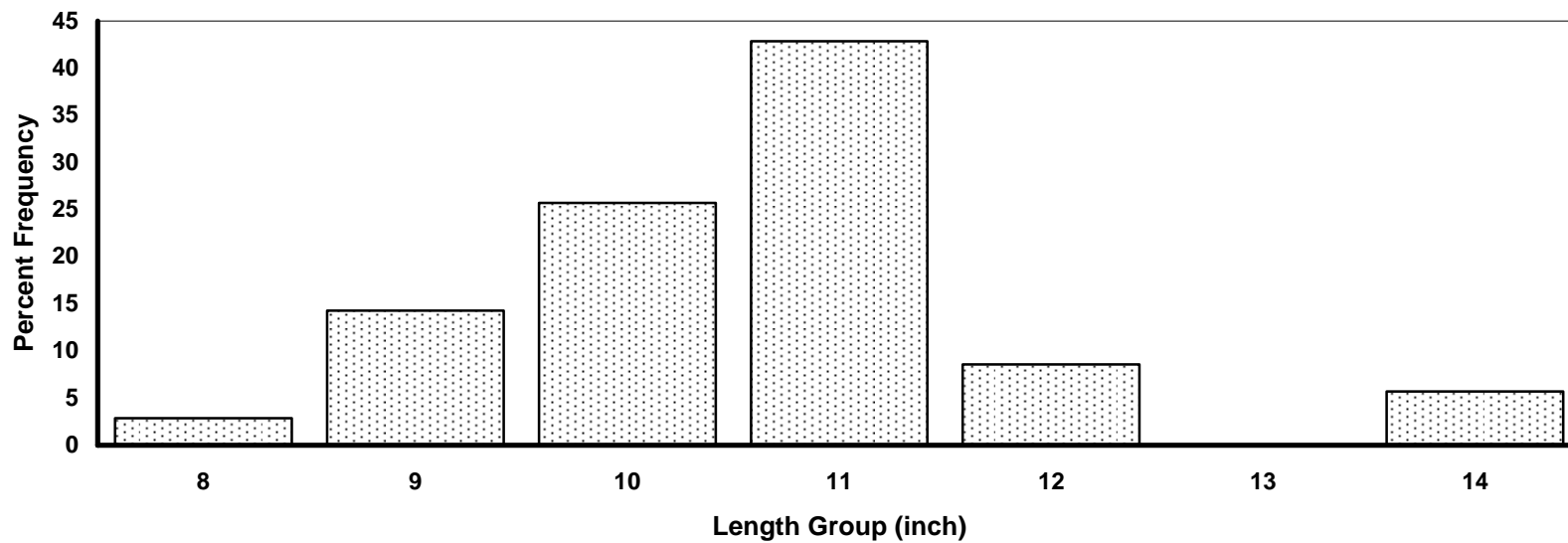


Figure 7. Fort Loudoun Reservoir white crappie length frequency by percent for the 2007 electrofishing sample (n=39).

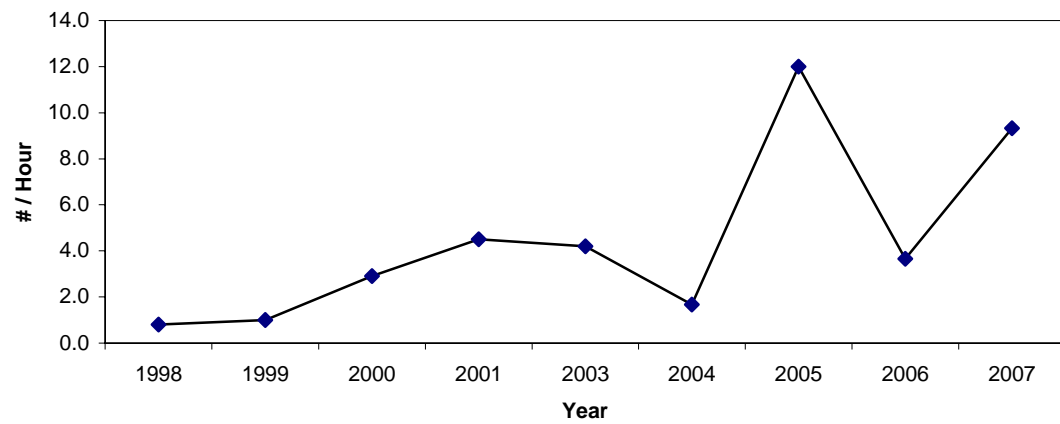


Figure 8. Fort Loudoun Reservoir black crappie electrofishing catch rates from 1998 to 2007.

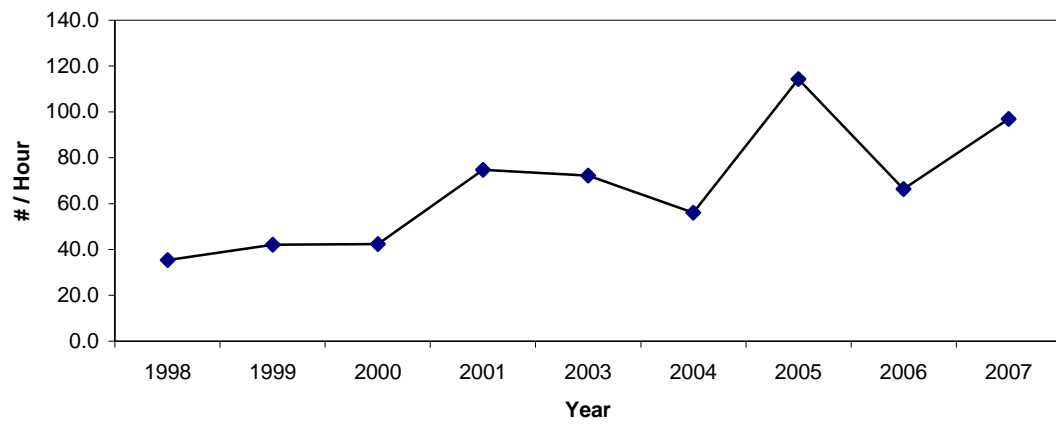


Figure 9. Fort Loudoun Reservoir largemouth bass electrofishing catch rates from 1998 to 2007.

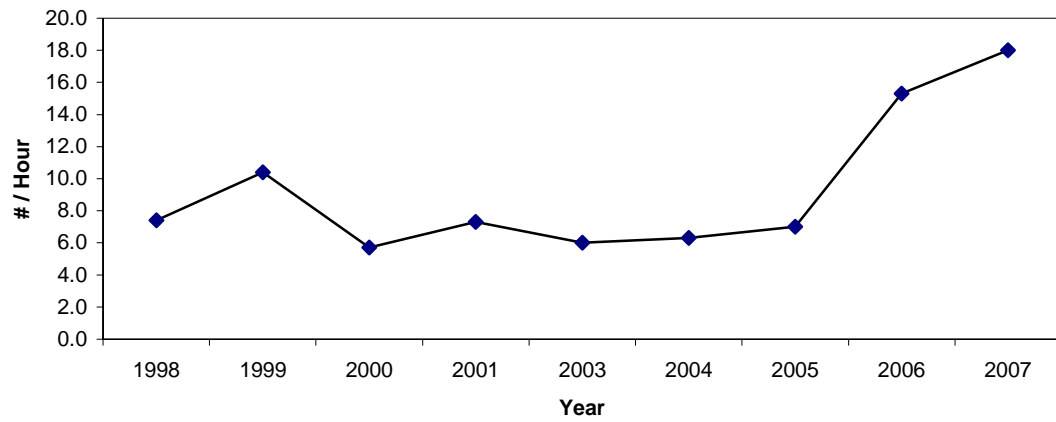


Figure 10. Fort Loudoun Reservoir smallmouth bass electrofishing catch rates from 1998 to 2007.

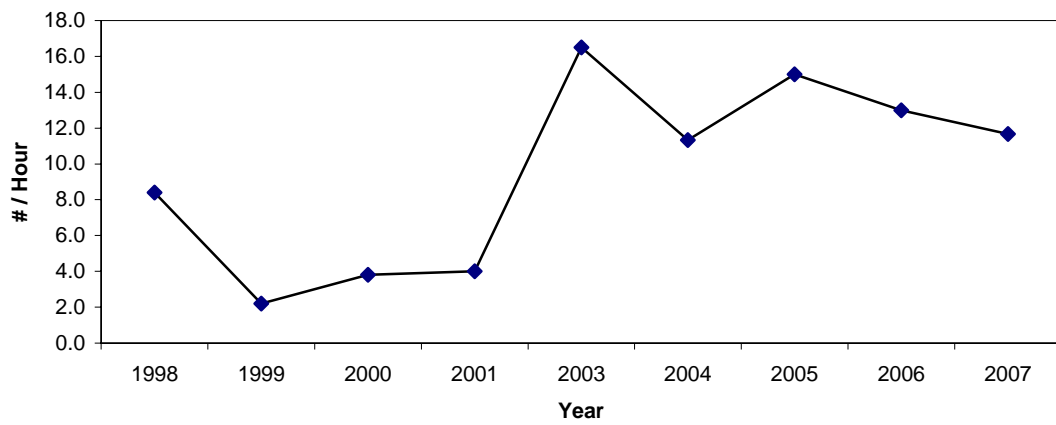


Figure 11. Fort Loudoun Reservoir white crappie electrofishing catch rates from 1998 to 2007.

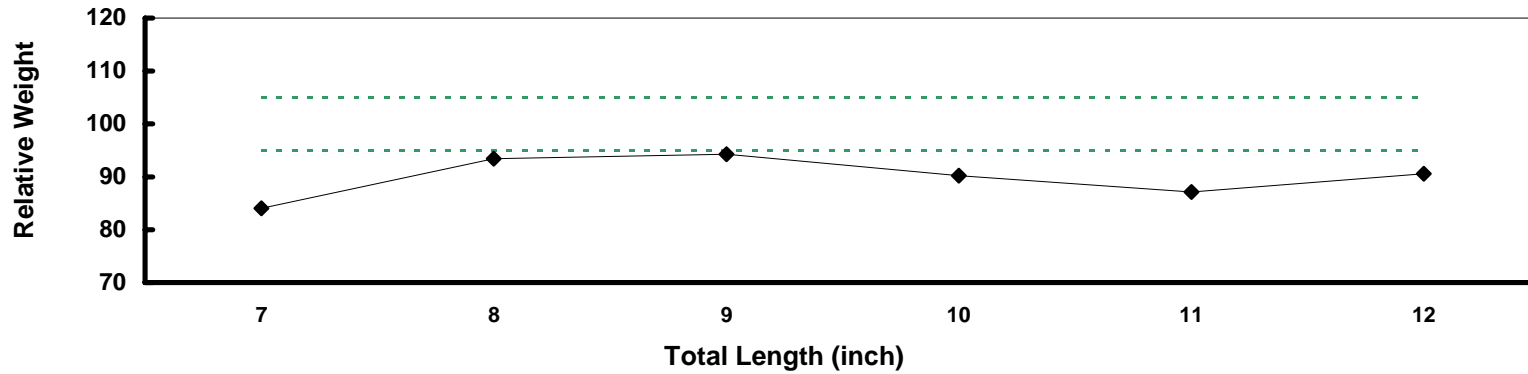


Figure 12. Fort Loudoun Reservoir black crappie mean relative weight values from the 2007 electrofishing sample (n=27).

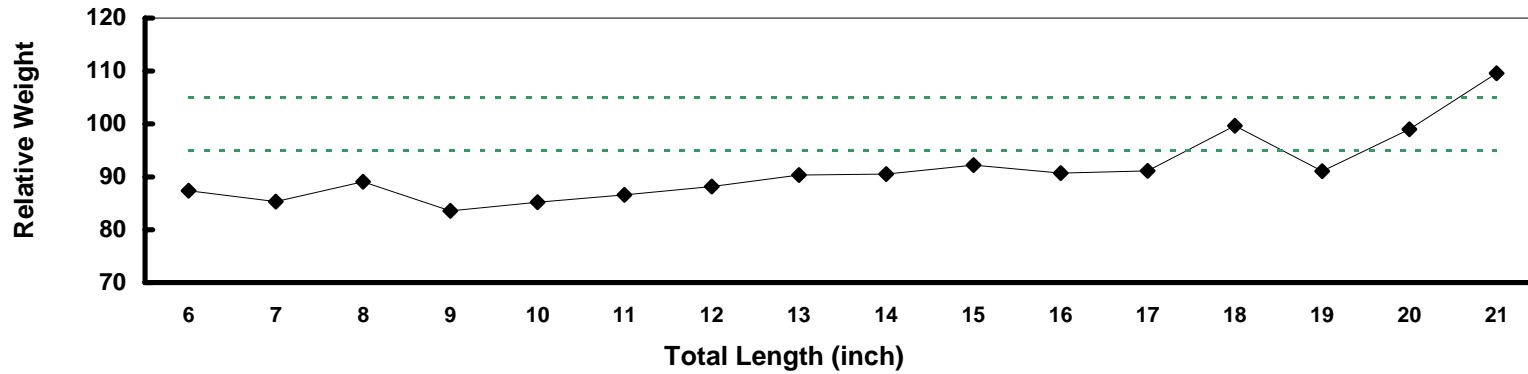


Figure 13. Fort Loudoun Reservoir largemouth bass mean relative weight values from the 2007 electrofishing sample (n=236).

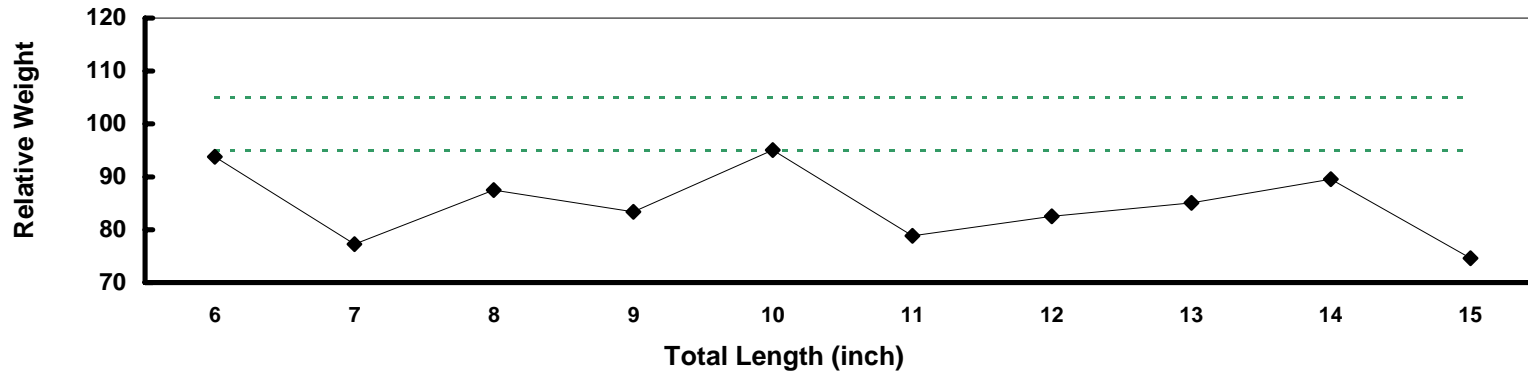


Figure 14. Fort Loudoun Reservoir smallmouth bass mean relative weight values from the 2007 electrofishing sample (n=27).

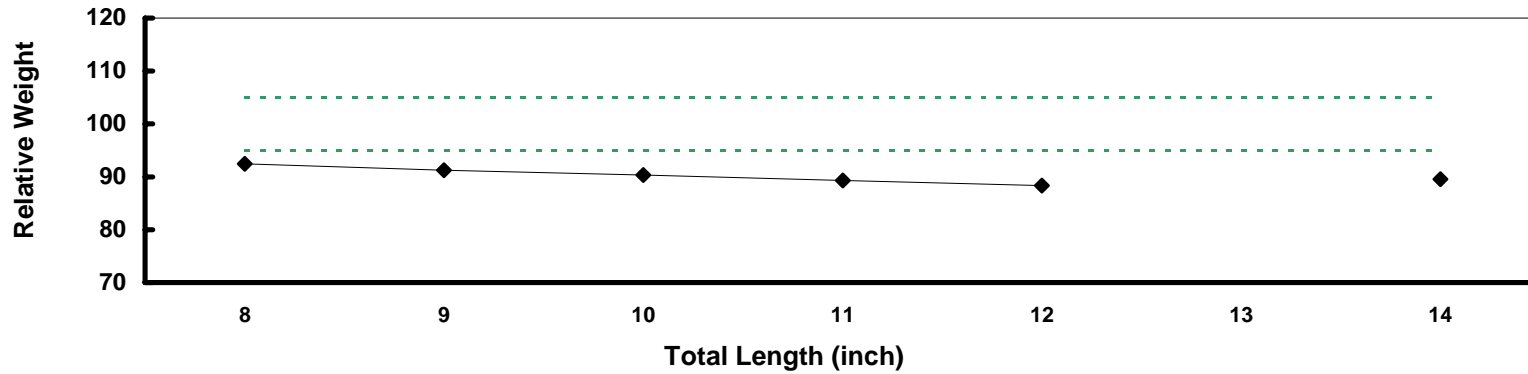


Figure 15. Fort Loudoun Reservoir white crappie mean relative weight values from the 2007 electrofishing sample (n=35).