Norris Reservoir

Annual Report 2009

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Norris Reservoir – 2009

Description

Area: 34,200 acres **Shoreline:** 809 miles

Counties: Anderson, Campbell, Claiborne, Grainger, and Union

Total Fishing Effort 2009: 308,255 hours **Total Value by Anglers 2009:** $ 971,690.00

Black Bass

Angling Pressure	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
All Black Bass (hrs)	127,375	140,315	146,990	120,670	93,262	122,872	135,241	142,592	161,902	134,166	132,539
(hrs/acre)	3.72	4.10	4.30	3.53	2.73	3.59	3.95	4.17	4.73	3.92	3.88
Any Black Bass (hrs)	108,151	114,960	116,486	78,215	69,529	83,778	100,115	113,634	124,831	94,181	100,388
(hrs/acre)	3.16	3.36	3.41	2.29	2.03	2.45	2.93	3.32	3.65	2.75	2.94
Largemouth Bass (hrs)	2,660	1,125	337	14,017	441	5,007	1,351	339	2,244	2,381	2,990
(hrs/acre)	0.08	0.03	0.01	0.41	0.01	0.15	0.04	0.01	0.07	0.07	0.09
Smallmouth Bass (hrs)	16,564	23,547	29,773	28,292	23,292	32,058	33,775	28,619	32,140	36,691	28,475
(hrs/acre)	0.48	0.69	0.87	0.83	0.68	0.94	0.99	0.84	0.94	1.07	0.83
Spotted Bass (hrs)	0	683	394	146	0	2,029	0	0	2,687	913	685
(hrs/acre)	0.00	0.02	0.01	0.00	0.00	0.06	0.00	0.00	0.08	0.03	0.02
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	$289,020	$340,340	$448,460	$342,470	$284,930	$441,630	$605,760	$712,800	$1,186,900	$469,620	$512,193
Any Black Bass	$268,390	$280,490	$373,020	$193,070	$224,520	$297,250	$474,110	$614,920	$997,680	$310,620	$403,407
Largemouth Bass	$0	$1,030	$2,540	$66,240	$2,560	$21,750	$7,800	$3,260	$4,090	$10,990	$12,026
Smallmouth Bass	$20,630	$57,950	$72,000	$81,360	$57,850	$87,530	$123,850	$94,620	$183,790	$146,010	$92,559
Spotted Bass	$0	$870	$900	$1,800	$0	$35,100	$0	$0	$1,340	$2,000	$4,201

Largemouth Bass

Recruitment (electrofishing)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Substock CPUE	0.80	2.60	3.18	1.23	2.97	4.72	3.07	0.67	2.53	1.47	2.32
Density (electrofishing)											
PSD	66	81	80	79	74	82	74	77	79	76	77
RSD (preferred)	-	32	37	43	39	50	37	33	30	29	37
CPUE (total)	17.2	22.0	16.1	10.7	22.7	20.6	25.2	27.7	26.9	26.4	21.6
CPUE ≥ Stock	16.4	19.4	12.9	9.5	19.7	15.9	22.1	27.0	24.4	24.9	19.2
CPUE ≥ MLL (14-inches)	-	9.5	6.8	10.2	9.1	9.4	10.7	13.6	11.6	11.1	10.2
Growth (electrofishing)											
Length Age-1	-	6.9	-	-	-	-	-	-	-	-	6.9
Length Age-3	-	13.3	-	-	-	-	-	-	-	-	13.3
Condition (spring electrofishing)											
Stock	83.2	83.1	84.5	85.8	89.9	87.3	84.1	83.5	84.1	82.5	84.8
Quality	83.7	81.6	82.1	84.5	87.8	85.1	84.0	85.9	83.1	82.3	84.0
Preferred	87.1	85.7	85.8	82.5	84.6	87.7	82.1	84.9	84.5	83.6	84.8
Memorable	84.4	86.4	91.4	76.4	93.7	91.6	82.8	86.9	87.1	93.6	87.4
Mortality (electrofishing)											
Total Mortality	-	47.0%	-	-	-	-	-	-	-	-	47.0%
Fishing Success (creel)											
Catch Rate (intended)	0.14	0.09	0.00	0.09	0.00	0.24	0.32	0.29	0.10	0.00	0.13
Harvest Rate (intended)	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.02
% Released	96.0%	93.9%	98.5%	94.4%	98.6%	95.8%	91.8%	93.9%	97.1%	96.9%	95.7%
Mean Weight	1.68	1.54	2.04	2.41	1.93	2.87	2.26	1.70	3.07	2.05	2.16

Fishery Forecast: The population has improved during the past few years. The average weight of largemouth caught by anglers in 2009 was 2.1-pounds. The creel survey demonstrates anglers are not targeting largemouth nearly as much as they are smallmouth.

Management Recommendations: Continue with the 15-inch minimum length limit.

Smallmouth Bass

Recruitment (electrofishing)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Substock CPUE	0.20	0.70	1.23	0.21	0.00	0.31	0.53	0.27	0.53	0.00	0.40
Density (electrofishing)											
PSD	65	74	80	79	82	90	62	44	67	80	72
RSD (preferred)	-	35	38	59	33	54	42	19	36	52	41
CPUE (preferred)	0.7	1.8	1.7	1.4	1.4	1.1	0.5	0.3	2.4	1.2	1.3
CPUE (memorable)	0.0	0.5	1.3	0.9	0.3	1.1	0.9	0.1	0.8	0.5	0.6
CPUE (trophy)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CPUE (total)	4.6	7.5	9.6	4.2	5.2	4.5	4.0	2.4	9.3	3.3	5.5
CPUE ≥ Stock	4.4	6.8	8.4	4.0	5.2	4.2	3.5	2.1	8.8	3.3	5.1
CPUE ≥ Preferred	0.7	2.3	3.1	2.3	1.7	2.2	1.4	0.4	3.2	1.7	1.9
CPUE ≥ MLL (18-inches)	0.0	0.3	0.5	0.7	0.3	0.5	0.8	0.0	0.3	0.0	0.3
Growth (electrofishing)											
Length Age-1	-	5.5	-	-	-	-	-	-	-	-	5.5
Length Age-3	-	11.7	-	-	-	-	-	-	-	-	11.7
Condition (spring electrofishing)											
Stock	86.8	90.3	86.4	78.9	86.1	91.4	83.6	77.5	82.1	87.6	85.1
Quality	78.8	86.1	81.2	81.1	87.0	86.7	84.7	86.0	79.5	83.1	83.4
Preferred	80.5	81.5	78.5	79.0	83.5	85.2	73.5	80.0	78.8	83.0	80.3
Memorable	-	79.1	79.1	76.8	73.8	78.9	73.8	73.8	71.5	81.9	76.5
Mortality (electrofishing)											
Total Mortality	-	48.0%	-	-	-	-	-	-	-	-	48.0%
Fishing Success (creel)											
Catch Rate (intended)	0.24	0.33	0.31	0.32	0.39	0.34	0.22	0.44	0.72	0.88	0.42
Harvest Rate (intended)	0.00	0.01	0.02	0.02	0.01	0.01	0.00	0.01	0.02	0.09	0.02
% Released	89.4%	89.5%	95.5%	94.0%	98.0%	95.1%	97.0%	95.4%	96.7%	95.8%	94.6%
Mean Weight	1.70	2.77	2.81	3.24	2.46	3.87	2.84	2.70	2.79	2.45	2.76

Fishery Forecast: Although not documented via our "standardized" daytime electrofishing samples, gillnetting and creel suggest the 18-inch minimum length limit helped increase the number of large smallmouth.

Management Recommendations: The five fish, 18-inch minimum length limit changes to a one fish over and one fish under 17-22 PLR on March 1, 2010.

Spotted Bass

Recruitment (electrofishing)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Substock CPUE	1.80	7.20	8.21	3.28	0.72	4.10	3.60	3.47	2.67	0.93	3.60
Density (electrofishing)											
PSD	29	25	27	19	39	47	26	35	29	37	31
RSD (preferred)	-	2	2	2	3	10	6	3	2	-	4
CPUE (total)	17.2	38.9	30.4	23.5	25.4	23.4	20.5	18.8	31.6	10.9	24.1
CPUE ≥ Stock	15.4	31.7	22.2	20.2	24.7	19.3	16.9	15.3	28.9	10.0	20.5
Growth (electrofishing)											
Length Age-1	-	5.4	-	-	-	-	-	-	-	-	5.4
Length Age-3	-	10.7	-	-	-	-	-	-	-	-	10.7
Condition (spring electrofishing)											
Stock	96.0	94.1	95.1	95.0	95.5	95.9	91.5	92.9	92.4	91.1	94.0
Quality	92.1	89.4	90.3	87.7	93.2	90.1	87.5	92.0	86.6	89.6	89.8
Preferred	81.3	90.2	90.1	87.0	93.7	91.1	88.4	84.1	91.2	-	88.6
Mortality (electrofishing)											
Total Mortality	-	61.0%	-	-	-	-	-	-	-	-	61.0%
Fishing Success (creel)											
Catch Rate (intended)	-	0.70	-	0.67	-	0.19	-	-	0.38	0.43	0.47
Harvest Rate (intended)	-	0.70	-	0.44	-	0.09	-	-	0.28	0.00	0.30
% Released	66.8%	75.3%	90.7%	74.0%	92.8%	86.1%	89.4%	94.9%	90.6%	88.0%	84.9%
Mean Weight	0.62	0.79	0.87	0.85	0.99	1.21	0.91	0.75	0.82	0.75	0.86

Fishery Forecast: There is a high percentage of small spotted bass in the fishery when compared to other black bass. Anglers are not harvesting enough spotted bass to decrease the density of this species.

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

Black Crappie

Recruitment (trap netting)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Substock CPUE	0.88	0.60	0.43	1.00	0.04	0.86	0.05	2.87	0.67	0.16	0.76
Density (trap netting)											
PSD	74	79	70	56	70	64	82	58	74	84	71
RSD (preferred)	-	53	47	15	43	18	29	29	32	58	36
CPUE (total)	3.1	1.6	1.7	1.7	1.4	2.0	1.4	5.3	1.7	1.3	2.1
CPUE ≥ Stock	2.2	1.0	1.3	0.7	1.4	1.1	1.4	2.4	1.0	1.1	1.4
CPUE ≥ MLL (10-inches)	0.7	0.5	0.6	0.1	0.6	0.2	0.4	0.7	0.3	0.6	0.5
Growth (trap netting)											
Length Age-1	-	7.4	-	-	-	-	-	-	-	-	7.4
Length Age-3	-	10.8	-	-	-	-	-	-	-	-	10.8
Condition (trap netting)											
Stock	89.1	87.8	85.7	92.8	91.1	87.5	93.0	89.9	95.2	91.8	90.4
Quality	90.5	95.5	91.1	102.2	92.6	88.8	90.4	88.4	91.6	95.0	92.6
Preferred	92.1	88.0	90.3	92.7	91.2	88.8	89.7	88.1	92.7	92.4	90.6
Memorable	83.2	89.9	80.2	87.5	91.4	94.5	85.1	88.5	86.2	90.5	87.7
Mortality (trap netting)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Stocking											
#	327,951	314,120	119,137	107,658	143,434	149,125	180,790	109,572	103,559	110,806	166,615
#/Acre	9.6	9.2	3.5	3.1	4.2	4.4	5.3	3.2	3.0	3.2	4.9
Angling Pressure (creel)											
Angler Hours (all crappie)	36,460	37,129	34,782	21,048	24,146	23,367	14,232	20,986	23,948	20,226	25,632
Angler Hours/Acre	1.1	1.1	1.0	0.6	0.7	0.7	0.4	0.6	0.7	0.6	0.7
Fishing Success (creel)											
Catch Rate (any crappie)	0.64	0.33	0.73	0.57	0.60	0.98	1.06	0.83	0.92	0.44	0.71
Harvest Rate (any crappie)	0.09	0.15	0.22	0.14	0.25	0.26	0.49	0.45	0.36	0.16	0.26
% Released (black crappie)	78.1%	35.5%	58.2%	47.9%	35.1%	74.1%	35.6%	53.4%	61.5%	39.9%	51.9%
Mean Weight (black crappie)	0.76	0.77	0.72	0.75	0.85	0.65	0.67	0.74	0.83	0.76	0.75
Value of Fishery (Trip Expenditures - creel)											
All Crappie	$51,820	$58,840	$44,100	$41,930	$52,100	$42,820	$29,150	$46,790	$69,870	$29,200	$46,662

Fishery Forecast: Recent trap net samples have shown a decline in the fishery, but electrofishing and creel have demonstrated there are a fair number of harvestable size crappie throughout the reservoir. There was improved reproduction observed by trap netting in 2007, but it was poor again in 2008 and 2009.

Management Recommendations: There are no creel limit changes proposed.

Walleye

Recruitment (gill netting)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Substock CPUE	0.06	0.00	0.04	0.00	0.00	0.04	0.04	0.00	0.00	0.00	0.02
Density (gill netting)											
PSD	89	93	90	92	75	91	99	96	93	95	91
RSD (preferred)	-	25	12	17	23	15	21	13	13	25	18
CPUE (total)	5.3	8.1	6.9	6.5	5.3	4.9	5.8	2.8	5.8	6.2	5.8
CPUE ≥ Stock	5.2	8.1	6.9	6.5	5.3	4.9	5.8	2.8	5.8	6.2	5.7
CPUE ≥ MLL (15-inches)	-	7.5	6.2	6.0	4.0	4.4	5.7	2.6	5.4	5.9	5.3
Growth (gill netting)											
Length Age-1	-	11.3	11.3	-	12.2	11.7	10.6	11.7	12.1	12.8	11.7
Length Age-3	-	18.6	18.6	18.9	19.1	18.1	18.2	18.4	18.3	18.9	18.6
Condition (gill netting)											
Stock	95.9	90.3	87.9	88.2	91.8	92.1	90.9	88.3	93.1	91.6	91.0
Quality	91.9	92.2	89.7	90.1	89.5	89.0	88.8	85.8	89.3	89.3	89.6
Preferred	90.0	89.2	84.4	90.1	91.7	86.3	85.5	84.4	83.7	88.2	87.3
Memorable	83.7	89.2	81.5	80.0	-	-	-	-	-	-	83.6
Mortality (gill netting)											
Total Mortality	-	28.0%	36.0%	29.0%	42.0%	-	43.0%	-	32.0%	40.0%	35.7%
Stocking											
#	347,465	336,878	313,214	171,594	173,354	260,144	179,250	197,472	187,589	170,066	233,703
#/Acre	10.2	9.9	9.2	5.0	5.1	7.6	5.2	5.8	5.5	5.0	6.8
Angling Pressure (creel)											
Angler Hours	59,003	78,612	65,901	65,587	55,831	57,604	48,526	45,729	40,665	20,597	53,806
Angler Hours/Acre	1.7	2.3	1.9	1.9	1.6	1.7	1.4	1.3	1.2	0.6	1.6
Fishing Success (creel)											
Catch Rate (intended)	0.15	0.19	0.14	0.11	0.20	0.20	0.10	0.06	0.08	0.08	0.13
Harvest Rate (intended)	0.10	0.16	0.08	0.10	0.15	0.16	0.09	0.05	0.07	0.05	0.10
% Released	42.5%	15.6%	43.0%	6.8%	26.4%	22.7%	10.2%	13.9%	18.5%	43.3%	24.3%
Mean Weight	2.17	1.88	1.89	2.16	2.11	2.20	2.11	2.22	2.29	3.45	2.25
Value of Fishery (Trip Expenditures - creel)											
Walleye	$103,350	$148,410	$120,510	$97,640	$107,570	$154,570	$124,200	$176,350	$200,580	$31,420	$126,460

Fishery Forecast: Gill netting has demonstrated that the walleye fishery rebounded impressively since the initiation of an aggressive stocking campaign in 1998. Although gill netting catch rates have been relatively consistent for the last several years, TWRA's angler surveys indicate a steady decline in fishing success.

Management Recommendations: Consider increasing the stocking rate to 8-10/acre.

Striped Bass

Recruitment (gill netting)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Substock CPUE	-	0.00	0.19	0.07	0.19	0.04	0.04	0.00	0.11	0.00	0.07
Density (gill netting)											
PSD	-	35	60	30	60	-	30	58	59	48	48
RSD (preferred)	-	4	5	-	-	-	4	2	3	2	3
CPUE (total)	-	1.4	0.9	1.2	0.9	0.2	0.9	1.2	1.3	2.2	1.1
CPUE ≥ Stock	-	1.4	0.7	1.1	0.7	0.2	0.9	1.2	1.2	2.2	1.1
CPUE ≥ 15-inches	-	1.4	0.7	1.1	0.7	0.2	0.7	1.1	1.1	2.0	1.0
Growth (gill netting)											
Length Age-2	-	-	18.6	17.6	16.8	-	16.8	18.3	16.3	17.3	17.4
Length Age-3	-	-	22.4	22.4	23.5	-	23.3	22.8	22.5	22.0	22.7
Condition (gill netting)											
Stock	-	97.2	98.9	97.8	103.5	97.5	93.1	89.5	97.2	92.9	96.4
Quality	-	100.1	91.8	91.4	98.6	-	96.6	93.1	88.1	90.9	93.8
Preferred	-	100.1	95.1	-	-	-	84.6	94.1	-	84.3	91.6
Memorable	-	-	-	-	-	-	-	-	-	-	-
Mortality (gill netting)											
Total Mortality	-	-	-	-	-	-	-	-	-	-	-
Stocking											
#	103,607	105,859	104,200	130,489	103,196	103,655	129,811	103,997	108,103	106,676	109,959
#/Acre	3.0	3.1	3.0	3.8	3.0	3.0	3.8	3.0	3.2	3.1	3.2
Angling Pressure (creel)											
Angler Hours	59,828	50,496	84,472	65,335	49,282	40,493	60,975	41,428	33,232	62,133	54,767
Angler Hours/Acre	1.7	1.5	2.5	1.9	1.4	1.2	1.8	1.2	1.0	1.8	1.6
Fishing Success (creel)											
Catch Rate (intended)	0.03	0.06	0.10	0.06	0.11	0.14	0.17	0.28	0.26	0.08	0.13
Harvest Rate (intended)	0.02	0.01	0.04	0.03	0.07	0.02	0.01	0.04	0.04	0.02	0.03
% Released	45.2%	94.4%	58.5%	53.9%	40.8%	84.1%	85.7%	91.0%	75.7%	74.0%	70.3%
Mean Weight	17.72	15.66	10.59	12.43	8.66	9.27	10.54	7.79	10.23	12.30	11.52
Value of Fishery (Trip Expenditures - creel)											
Striped Bass	$232,770	$190,990	$254,070	$221,790	$167,180	$142,730	$255,210	$134,910	$293,220	$261,760	$215,463

Fishery Forecast: The summer of 2003 was a difficult period for Norris striped bass and there was significant mortality of large fish as a result of poor summer DO levels. The populations has recovered nicely and large fish are becoming plentiful.

Management Recommendations: No creel limit changes are proposed.

Sunfish

Angling Pressure (creel)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Angler Hours (all sunfish)	28,136	24,986	21,658	38,927	18,308	37,585	11,096	21,485	25,006	36,133	26,332
Angler Hours/Acre	0.8	0.7	0.6	1.1	0.5	1.1	0.3	0.6	0.7	1.1	0.8
Fishing Success (creel)											
Catch Rate (any sunfish)	2.63	3.26	2.01	2.25	3.59	4.08	2.82	4.01	2.24	2.26	2.92
Harvest Rate (any sunfish)	0.82	1.57	0.91	1.08	1.42	1.82	1.11	1.47	1.17	1.30	1.27
% Released (bluegill)	71.3%	51.1%	57.7%	59.2%	61.5%	70.1%	60.7%	68.2%	61.8%	55.1%	61.7%
Mean Weight (bluegill)	0.19	0.20	0.27	0.23	0.27	0.23	0.31	0.27	0.25	0.34	0.26
Value of Fishery (Trip Expenditures - creel)											
All Sunfish	$55,370	$40,450	$31,900	$61,230	$43,040	$71,250	$36,950	$54,890	$70,350	$54,520	$51,995

Catfish

Angling Pressure (creel)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Angler Hours (all catfish)	11,971	3,903	5,377	5,468	1,068	4,534	1,180	2,488	345	3,895	4,023
Angler Hours/Acre	0.4	0.1	0.2	0.2	0.0	0.1	0.0	0.1	0.0	0.1	0.1
Fishing Success (creel)											
Catch Rate (any catfish)	0.54	0.32	0.17	0.29	0.16	0.40	0.00	0.11	0.00	0.00	0.20
Harvest Rate (any catfish)	0.54	0.32	0.17	0.29	0.16	0.40	0.00	0.11	0.00	0.00	0.20
% Released (channel)	48.6%	33.2%	67.3%	59.8%	68.1%	71.3%	91.3%	70.9%	65.0%	65.4%	64.1%
Mean Weight (channel)	2.18	1.76	1.51	2.17	1.94	2.41	2.16	1.34	1.44	1.27	1.82
Value of Fishery (Trip Expenditures - creel)											
All Catfish	$30,600	$3,770	$20,980	$5,590	$1,840	$3,510	$1,660	$3,590	-	-	$8,943

Shad

Density (Summer Shad Gill Netting) (geometric means)	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	Mean
Alewife CPUE	-	2.1	0.3	17.3	0.7	0.4	0.1	1.6	1.6	1.2	2.8
Gizzard CPUE	-	1.9	4.3	5.8	3.7	5.3	0.9	1.7	1.3	1.2	2.9
Threadfin CPUE	-	8.6	5.8	17.9	14.6	3.8	1.1	6.2	3.2	1.3	6.9

Habitat Enhancement

Type of Work	**Details**	**Quantity**	
		New	**Renovated**
Rebrush	Christmas trees with cable drives	none	7 sites, 1450 units, 29.0 acres

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. Norris Reservoir physical and chemical characteristics.

Surface Area	34,200 acres
Drainage Area	2,912 sq. mi.
Full Pool Elevation	1,020 feet-msl
Mean Annual Fluctuation	60 feet
Shoreline Distance	809 miles
Total Developed Shoreline	13%
Maximum Depth	196 feet
Outlet Depth (lower, upper)	147 feet, 167 feet
Thermocline Depth	28 feet (Aug 2007)
Trophic Status (Forebay)	Oligotrophic
Mean Chlorophyll (Forebay)	2.4 mg/L
Trophic Index Value	39.0
Hydraulic Retention Time	245 days
Year Impounded	1936

Table 2. Norris Reservoir fish stockings 1998 - 2009.

Species	Year	Rate (per acre)	Total Stocked
Black Crappie	1998	0.6	20,000
	1999*	10.0	340,844
	2000*	9.6	327,951
	2001*	9.2	314,120
	2002*	3.5	119,137
	2003*	3.1	107,658
	2004*	4.2	143,434
	2005*	4.4	149,125
	2006*	5.3	180,790
	2007*	3.2	109,572
	2008*	3.0	103,559
	2009*	3.2	110,806
Striped Bass	1999	3.0	102,685
	2000	3.0	103,607
	2001	3.1	105,857
	2002	3.0	104,200
	2003	3.0	103,489
	2004	3.0	103,196
	2005	3.0	103,655
	2006	3.8	129,811
	2007	3.0	103,997
	2008	3.2	108,103
	2009	3.1	106,676
Walleye	1998	12.1	414,762
	1999	9.8	334,878
	2000	10.2	347,465
	2001	9.9	336,878
	2002	9.2	313,214
	2003	5.0	171,594
	2004	5.1	173,354
	2005	7.6	260,144
	2006	5.2	179,250
	2007	5.8	197,472
	2008	5.5	187,589
	2009	5.0	170,066

*includes blacknose black crappie

Table 3. Relative stock density, mean relative weight, and catch per unit effort by RSD category for target species collected from Norris Reservoir in 1998-2009.

				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	1998	Electro	36	10	1.1	8.4	43	4.8	36.1	88.8	32	3.6	26.9	87.7	33	3.7	27.7	85.2	1	0.1	1.0	86.7	0	0.0	0.0	0.0	119	13.2	61
Bass	1999	Electro	39	24	2.5	12.2	39	4.0	19.8	91.0	64	6.6	32.5	85.2	66	6.8	33.5	84.0	4	0.4	2.0	80.1	0	0.0	0.0	0.0	197	20.2	77
	2000	Electro	39	8	0.8	4.8	55	5.6	32.7	83.2	49	5.0	29.2	83.7	55	5.6	32.7	87.1	1	0.1	0.1	84.4	0	0.0	0.0	0.0	168	17.2	66
	2001	Electro	39	25	2.6	11.7	36	3.7	16.8	83.1	93	9.5	43.5	81.6	55	5.6	25.7	85.7	5	0.5	2.3	86.4	0	0.0	0.0	0.0	214	22.0	81
	2002	Electro	39	31	3.2	19.7	25	2.6	15.9	84.5	54	5.5	34.4	82.1	46	4.7	29.3	85.8	1	0.1	0.6	91.4	0	0.0	0.0	0.0	157	16.1	80
	2003	Electro	39	12	1.2	11.5	19	1.9	18.3	85.8	33	3.4	31.7	84.5	39	4.0	37.5	82.5	1	0.1	1.0	76.4	0	0.0	0.0	0.0	104	10.7	79
	2004	Electro	39	29	3.0	13.1	49	5.0	22.2	89.9	69	7.1	31.2	87.7	65	6.7	29.4	84.6	9	0.9	4.1	93.7	0	0.0	0.0	0.0	221	22.7	74
	2005	Electro	39	46	4.7	22.9	28	2.9	13.9	87.3	49	5.0	24.4	85.1	74	7.6	36.8	87.7	4	0.4	2.0	91.6	0	0.0	0.0	0.0	201	20.6	82
	2006	Electro	30	23	3.1	12.2	43	5.7	22.8	84.1	61	8.1	32.3	84.0	60	8.0	31.7	82.1	2	0.3	1.1	82.8	0	0.0	0.0	0.0	189	25.2	74
	2007	Electro	30	5	0.7	2.4	47	6.3	22.6	83.5	88	11.7	42.3	85.9	64	8.5	30.8	84.9	4	0.5	1.9	86.9	0	0.0	0.0	0.0	208	27.7	77
	2008	Electro	30	19	2.5	9.4	39	5.2	19.3	84.1	90	12.0	44.5	83.1	52	6.9	25.7	84.5	2	0.3	1.0	87.1	0	0.0	0.0	0.0	202	26.9	79
	2009	Electro	30	11	1.5	5.6	44	5.9	22.2	82.5	89	11.9	44.9	82.3	53	7.1	26.8	83.6	1	0.1	0.5	93.6	0	0.0	0.0	0.0	198	26.4	76
Smallmouth	1998	Electro	36	13	1.4	13.4	34	3.8	35.1	88.1	24	2.7	24.7	87.0	24	2.7	24.7	88.8	2	0.2	2.1	93.4	0	0.0	0.0	0.0	97	10.7	60
Bass	1999	Electro	39	24	2.5	25.0	35	3.6	36.5	87.0	21	2.1	21.9	87.8	13	1.3	13.5	84.9	3	0.3	3.1	83.0	0	0.0	0.0	0.0	96	9.8	51
	2000	Electro	39	2	0.2	4.4	15	1.5	33.3	86.8	21	2.2	46.7	78.8	7	0.7	15.6	80.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	45	4.6	65
	2001	Electro	39	7	0.7	9.6	17	1.7	23.3	90.3	26	2.7	35.6	86.1	18	1.8	24.7	81.5	5	0.5	6.8	79.1	0	0.0	0.0	0.0	73	7.5	74
	2002	Electro	39	12	1.2	12.8	16	1.6	17.0	86.4	35	3.6	37.2	81.2	17	1.7	18.1	78.5	13	1.3	13.8	79.1	1	0.1	1.1	0.0	94	9.6	80
	2003	Electro	39	2	0.2	4.9	8	0.8	19.5	78.9	8	0.8	19.5	81.1	14	1.4	34.2	79.0	9	0.9	22.0	76.8	0	0.0	0.0	0.0	41	4.2	79
	2004	Electro	39	0	0.0	0.0	9	0.9	17.7	86.1	25	2.6	49.0	87.0	14	1.4	27.5	83.5	3	0.3	5.9	73.8	0	0.0	0.0	0.0	51	5.2	82
	2005	Electro	39	3	0.3	6.8	4	0.4	9.1	91.4	15	1.5	34.1	86.7	11	1.1	25.0	85.2	11	1.1	25.0	78.9	0	0.0	0.0	0.0	44	4.5	90
	2006	Electro	30	4	0.5	13.3	10	1.3	33.3	83.6	5	0.7	16.7	84.7	4	0.5	13.3	73.5	7	0.9	23.3	73.8	0	0.0	0.0	0.0	30	4.0	62
	2007	Electro	30	2	0.3	11.1	9	1.2	50.0	77.5	4	0.5	22.2	86.0	2	0.3	11.1	80.0	1	0.1	5.5	73.8	0	0.0	0.0	0.0	18	2.4	44
	2008	Electro	30	4	0.5	5.7	22	2.9	31.4	82.1	20	2.7	28.6	79.5	18	2.4	25.7	78.8	6	0.8	8.6	71.5	0	0.0	0.0	0.0	70	9.3	67
	2009	Electro	30	0	0.0	0.0	5	0.7	20.0	87.6	7	0.9	28.0	83.1	9	1.2	36.0	83.0	4	0.5	16.0	82.0	0	0.0	0.0	0.0	25	3.3	80
Spotted	1998	Electro	36	16	1.8	15.1	63	7.0	59.4	86.8	23	2.6	21.7	85.4	4	0.4	3.7	101.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	106	11.8	30
Bass	1999	Electro	39	66	6.8	23.8	161	16.5	58.1	83.3	45	4.6	16.2	82.0	5	0.5	1.8	93.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	277	28.4	24
	2000	Electro	39	18	1.8	10.7	107	11.0	63.7	96.0	41	4.2	24.4	92.1	2	0.2	1.2	81.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	168	17.2	29
	2001	Electro	39	70	7.2	18.5	231	23.7	60.9	94.1	71	7.3	18.7	89.4	7	0.7	1.8	90.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	379	38.9	25
	2002	Electro	39	80	8.2	27.0	157	16.1	53.0	95.1	55	5.6	18.6	90.3	4	0.4	1.4	90.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	296	30.4	27
	2003	Electro	39	32	3.3	14.0	159	16.3	69.4	95.0	35	3.6	15.3	87.7	3	0.3	1.3	87.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	229	23.5	19
	2004	Electro	39	7	0.7	2.8	146	15.0	58.9	95.5	87	8.9	35.1	93.2	7	0.7	2.8	93.7	1	0.0	0.4	96.3	0	0.0	0.0	0.0	248	25.4	39
	2005	Electro	39	40	4.1	17.5	100	10.3	43.9	95.9	70	7.2	30.7	90.1	18	1.8	7.9	91.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	228	23.4	47
	2006	Electro	30	27	3.6	17.5	94	12.5	61.0	91.5	26	3.5	16.9	87.5	7	0.9	4.5	88.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	154	20.5	26
	2007	Electro	30	26	3.5	18.4	75	10.0	53.2	92.9	37	4.9	26.2	92.0	3	0.4	2.1	84.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	141	18.8	35
	2008	Electro	30	20	2.7	8.4	153	20.4	64.6	92.4	60	8.0	25.3	86.6	4	0.5	1.7	91.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	237	31.6	29
	2009	Electro	30	7	0.9	8.5	47	6.3	57.3	91.1	28	3.7	34.2	89.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	82	10.9	37
White	1998	Trap	160	463	2.9	93.2	0	0.0	0.0	0.0	14	0.1	2.8	93.1	18	0.1	3.6	95.4	2	0.0	0.4	82.1	0	0.0	0.0	0.0	497	3.1	100
Crappie	1999	Trap	100	10	0.1	50.0	1	0.0	0.5	97.1	2	0.0	10.0	100.0	6	0.1	30.0	97.6	1	0.0	0.5	83.0	0	0.0	0.0	0.0	20	0.2	82
	2000	Trap	100	1	0.0	14.3	0	0.0	0.0	0.0	3	0.0	42.9	88.1	2	0.0	28.6	91.9	1	0.0	14.3	83.3	0	0.0	0.0	0.0	7	0.1	na
	2001	Trap	100	9	0.1	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	9	0.1	na
	2002	Trap	100	0	0.0	0.0	3	0.0	50.0	87.8	1	0.0	16.7	88.5	1	0.0	16.7	87.6	1	0.0	16.7	77.5	0	0.0	0.0	0.0	6	0.1	50
	2003	Trap	90	20	0.2	95.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	4.8	82.0	0	0.0	0.0	0.0	21	0.2	100
	2004	Trap	100	0	0.0	0.0	1	0.0	100.0	97.9	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	0.0	1	0.0	na
	2005	Trap	100	1	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	na
	2007	Trap	100	5	0.1	50.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.0	40.0	90.1	1	0.0	10.0	101.8	0	0.0	0.0	0.0	10	0.1	na
	2008	Trap	100	2	0.0	66.6	0	0.0	0.0	0.0	1	0.0	33.3	98.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.0	100
Black	1998	Electro	36	0	0.0	0.0	4	0.4	18.2	100.1	4	0.4	18.2	86.7	7	0.8	31.8	87.6	7	0.8	31.8	81.4	0	0.0	0.0	0.0	22	2.4	82
Crappie	1999	Electro	39	0	0.0	0.0	2	0.2	2.8	99.3	29	3.0	40.3	89.5	33	3.4	45.8	89.3	8	0.8	11.1	85.8	0	0.0	0.0	0.0	72	7.4	97
	2000	Electro	39	0	0.0	0.0	2	0.2	3.8	93.6	10	1.0	18.9	96.7	22	2.3	41.5	89.0	19	2.0	35.8	84.4	0	0.0	0.0	0.0	53	5.4	96
	2001	Electro	39	1	0.1	0.7	9	0.9	6.5	88.3	45	4.6	32.6	90.4	58	6.0	42.0	88.4	25	2.6	18.1	83.5	0	0.0	0.0	0.0	138	14.2	90
	2002	Electro	39	0	0.0	0.0	6	0.6	9.8	89.2	9	0.9	14.5	90.6	26	2.7	41.9	88.5	21	2.2	33.9	86.7	0	0.0	0.0	0.0	62	6.4	90
	2003	Electro	39	0	0.0	0.0	11	1.1	22.0	93.7	9	0.9	18.0	91.9	12	1.2	24.0	82.8	18	1.8	36.0	78.4	0	0.0	0.0	0.0	50	5.1	78
	2004	Electro	39	0	0.0	0.0	2	0.2	2.2	95.0	24	2.5	26.1	96.3	41	4.2	44.6	89.5	24	2.5	26.1	86.3	1	0.1	1.1	0.0	92	9.4	98
	2005	Electro	39	0	0.0	0.0	3	0.3	4.5	93.6	23	2.4	34.3	91.2	24	2.5	35.8	87.9	16	1.6	23.8	85.8	1	0.1	1.5	0.0	67	6.9	96
	2006	Electro	30	0	0.0	0.0	0	0.0	0.0	0.0	4	0.5	14.3	87.3	9	1.2	32.1	87.4	15	2.0	53.6	83.4	0	0.0	0.0	0.0	28	3.7	100
	2007	Electro	30	0	0.0	0.0	7	0.9	6.6	97.6	37	4.9	34.9	93.6	34	4.5	32.1	89.4	28	3.7	26.4	86.6	0	0.0	0.0	0.0	106	14.1	93
	2008	Electro	30	0	0.0	0.0	3	0.4	1.6	89.3	39	5.2	20.2	93.5	82	10.9	42.5	88.9	69	9.2	35.8	86.3	0	0.0	0.0	0.0	193	25.7	98
	2009	Electro	30	0	0.0	0.0	0	0.0	0.0	0.0	8	1.1	11.9	88.9	22	2.9	32.8	84.0	37	4.9	55.2	80.5	0	0.0	0.0	0.0	67	8.9	100
	1998	Trap	160	665	4.2	45.3	179	1.1	12.2	95.5	424	2.7	28.9	94.9	192	1.2	13.1	93.1	8	0.1	0.5	91.2	0	0.0	0.0	0.0	1468	9.2	78
	1999	Trap	100	105	0.8	29.9	85	1.1	24.2	91.7	84	0.8	23.9	95.4	76	0.8	21.7	92.4	1	0.0	0.3	83.8	0	0.0	0.0	0.0	351	3.5	60
	2000	Trap	100	88	0.9	28.6	57	0.6	18.5	89.1	100	1.0	32.5	90.5	58	0.6	18.8	92.1	5	0.1	1.6	83.2	0	0.0	0.0	0.0	308	3.1	74
	2001	Trap	100	59	0.6	37.8	20	0.2	12.8	87.8	26	0.3	16.7	95.5	44	0.4	28.2	88.0	7	0.1	4.5	89.9	0	0.0	0.0	0.0	156	1.6	79
	2002	Trap	100	43	0.4	25.1	39	0.4	22.8	85.7	29	0.3	17.0	91.1	47	0.5	27.5	90.3	13	0.1	7.6	80.2	0	0.0	0.0	0.0	171	1.7	70
	2003	Trap	90	90	1.0	60.4	26	0.3	17.4	92.8	24	0.3	16.1	102.2	8	0.1	5.4	92.7	1	0.0	0.7	87.5	0	0.0	0.0	0.0	149	1.7	56
	2004	Trap	100	4	0.0	2.8	41	0.4	28.9	91.1	38	0.4	26.8	92.6	48	0.5	33.8	91.2	11	0.1	7.8	91.4	0	0.0	0.0	0.0	142	1.4	70
	2005	Trap	100	86	0.9	43.4	40	0.4	20.2	87.5	52	0.5	26.3	88.8	19	0.2	9.6	88.8	1	0.0	0.5	94.5	0	0.0	0.0	0.0	198	2.0	64
	2006	Trap	100	5	0.1	3.7	23	0.2	17.0	93.0	69	0.7	51.1	90.4	37	0.4	27.4	89.7	1	0.0	0.7	85.1	0	0.0	0.0	0.0	135	1.4	82
	2007	Trap	100	287	2.9	54.6	101	1.0	19.2	89.9	68	0.7	12.9	88.4	67	0.7	12.7	88.1	3	0.0	0.6	88.5	0	0.0	0.0	0.0	526	5.3	58
	2008	Trap	100	67	0.7	39.2	27	0.3	15.8	95.2	44	0.4	25.7	91.6	30	0.3	17.5	92.7	3	0.0	1.8	86.2	0	0.0	0.0	0.0	171	1.7	74
	2009	Trap	100	16	0.2	12.6	18	0.2	14.2	91.8	29	0.3	22.8	95.0	62	0.6	48.8	92.4	2	0.0	1.6	90.5	0	0.0	0.0	0.0	127	1.3	84
Blacknose	1998	Trap	160	1	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	na
(Black)	1999	Trap	100	7	0.1	87.5	1	0.0	12.5	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	0.0	0.0	8	0.1	na
Crappie	2000	Trap	100	1	0.0	50.0	1	0.0	50.0	87.1	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	0.0	2	0.0	na
	2001	Trap	100	1	0.0	16.6	1	0.0	16.6	0.0	3	0.0	50.0	0.0	1	0.0	16.6	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	6	0.1	na
	2002	Trap	100	0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	50.0	82.7	1	0.0	50.0	86.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.0	100
	2003	Trap	90	0	0.0	0.0	3	0.0	75.0	102.8	1	0.0	25.0	98.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.0	25
	2004	Trap	100	0	0.0	0.0	3	0.0	16.7	92.9	8	0.1	44.4	91.8	6	0.1	33.3	93.0	1	0.0	5.6	90.5	0	0.0	0.0	0.0	18	0.2	83
	2005	Trap	100	7	0.1	63.6	3	0.0	27.3	96.8	0	0.0	0.0	0.0	1	0.0	9.1	88.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	11	0.1	25
	2006	Trap	100	0	0.0	0.0	0	0.0	0.0	0.0	2	0.0	50.0	91.5	2	0.0	50.0	89.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.0	100
	2007	Trap	100	1	0.0	20.0	4	0.0	80.0	90.6	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	0.0	5	0.1	100
	2008	Trap	100	0	0.0	0.0	0	0.0	0.0	0.0	2	0.0	100.0	93.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.0	100
	2009	Trap	100	0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	100.0	85.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	100

Table 4. Relative stock density, mean relative weight, and catch per unit effort by RSD category for target species collected from Norris Reservoir in 1998-2009.

				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.
Striped	1998	Gill	20	0	0.0	0.0	0	0.0	0.0	0.0	25	1.3	92.6	103.8	1	0.1	3.7	84.2	1	0.1	3.7	34.3	0	0.0	0.0	0.0	27	1.4	100
Bass	1999	Gill	28	0	0.0	0.0	0	0.0	0.0	0.0	4	0.1	100.0	97.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.1	na
	2001	Gill	19	0	0.0	0.0	17	0.9	65.4	97.2	8	0.4	30.8	100.1	1	0.1	3.9	101.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	26	1.4	35
	2002	Gill	27	5	0.2	20.0	8	0.3	32.0	98.9	11	0.4	44.0	91.8	1	0.0	4.0	95.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	25	0.9	60
	2003	Gill	27	2	0.1	6.3	21	0.8	65.6	97.8	7	0.3	21.9	91.4	2	0.1	6.3	na	0	0.0	0.0	0.0	0	0.0	0.0	0.0	32	1.2	30
	2004	Gill	27	5	0.2	20.0	8	0.3	32.0	103.5	12	0.4	48.0	98.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	25	0.9	60
	2005	Gill	27	1	0.0	16.7	5	0.2	83.3	97.5	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	0.0	6	0.2	na
	2006	Gill	26	1	0.0	4.1	16	0.6	66.6	93.1	6	0.2	25.0	96.6	1	0.0	4.1	84.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	24	0.9	30
	2007	Gill	28	0	0.0	0.0	9	0.3	27.2	89.5	23	0.8	69.6	93.1	1	0.0	3.1	94.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	33	1.2	58
	2008	Gill	28	3	0.1	8.1	14	0.5	37.8	97.2	19	0.7	51.4	88.1	1	0.0	2.7	na	0	0.0	0.0	0.0	0	0.0	0.0	0.0	37	1.3	59
	2009	Gill	28	0	0.0	0.0	32	1.1	52.5	92.9	28	1.0	45.9	90.9	1	0.0	1.6	84.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	61	2.2	48
Walleye	1998	Electro	36	8	0.9	25.0	5	0.6	15.6	83.5	9	1.0	28.1	88.6	9	1.0	28.1	87.3	1	0.1	3.1	82.5	0	0.0	0.0	0.0	32	3.6	79
	1999	Electro	39	2	0.2	8.0	12	1.2	48.0	93.1	8	0.8	32.0	91.8	3	0.3	12.0	75.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	25	2.6	48
	2000	Electro	39	1	0.1	2.6	8	0.8	20.5	95.7	22	2.2	56.4	84.9	8	0.8	20.5	86.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	39	4.0	79
	2001	Electro	39	3	0.3	5.5	11	1.1	20.0	90.0	27	2.8	49.1	87.4	14	1.4	25.5	80.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	55	5.6	79
	2002	Electro	39	6	0.6	4.5	56	5.7	42.1	87.9	58	5.9	43.6	87.3	13	1.3	9.8	81.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	133	13.6	56
	2003	Electro	39	5	0.5	7.2	10	1.0	14.5	90.5	38	3.9	55.1	84.1	15	1.5	21.7	79.9	1	0.1	1.5	81.2	0	0.0	0.0	0.0	69	7.1	84
	2004	Electro	39	5	0.5	7.3	37	3.8	53.6	92.6	14	1.4	20.3	86.1	12	1.2	17.4	81.6	1	0.1	1.5	88.7	0	0.0	0.0	0.0	69	7.1	42
	2005	Electro	39	2	0.2	9.5	9	0.9	42.9	89.7	6	0.6	28.6	90.0	3	0.3	14.3	78.2	1	0.1	4.8	0.0	0	0.0	0.0	0.0	21	2.2	53
	2006	Electro	30	0	0.0	0.0	2	0.3	18.2	88.0	5	0.7	45.5	84.6	4	0.5	36.3	72.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	11	1.5	82
	2007	Electro	30	0	0.0	0.0	0	0.0	0.0	0.0	7	0.9	87.4	82.5	1	0.1	12.5	76.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	1.1	100
	2008	Electro	30	0	0.0	0.0	7	0.9	46.7	95.3	6	0.8	40.0	81.7	2	0.3	13.3	78.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	15	2.0	53
	2009	Electro	30	2	0.3	16.7	3	0.4	25.0	95.3	5	0.7	41.7	91.6	2	0.3	16.7	75.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	12	1.6	70
	1998	Gill	20	2	0.1	2.2	0	0.0	0.0	0.0	68	3.4	75.6	96.2	20	1.0	22.2	94.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	90	4.5	100
	1999	Gill	28	3	0.1	3.3	31	1.1	34.1	92.8	38	1.4	41.8	92.8	16	0.6	17.6	91.5	2	0.1	2.2	95.3	1	0.0	1.1	0.0	91	3.3	65
	2000	Gill	58	4	0.1	1.3	33	0.6	10.7	95.9	218	3.8	70.8	91.9	52	0.9	16.9	90.0	1	0.0	0.0	83.7	0	0.0	0.0	0.0	308	5.3	89
	2001	Gill	19	0	0.0	0.0	11	0.6	7.2	90.3	94	5.0	61.4	92.2	43	2.3	28.1	89.2	5	0.3	3.3	89.2	0	0.0	0.0	0.0	153	8.1	93
	2002	Gill	27	1	0.0	0.5	19	0.7	10.2	87.9	143	5.3	76.9	89.7	22	0.8	11.8	84.4	1	0.0	0.5	81.5	0	0.0	0.0	0.0	186	6.9	90
	2003	Gill	27	0	0.0	0.0	14	0.5	8.0	88.2	131	4.9	74.9	90.1	29	1.1	16.6	90.1	1	0.0	0.6	80.0	0	0.0	0.0	0.0	175	6.5	92
	2004	Gill	27	0	0.0	0.0	36	1.3	25.0	91.8	75	2.8	52.1	89.5	33	1.2	22.9	91.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	144	5.3	75
	2005	Gill	27	1	0.0	0.8	12	0.4	9.1	92.1	99	3.7	75.0	89.0	19	0.7	14.4	86.3	0	0.0	0.0	0.0	1	0.0	0.8	0.0	132	4.9	91
	2006	Gill	26	1	0.0	0.7	2	0.1	1.3	90.9	115	4.4	76.7	88.8	32	1.2	21.3	85.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	150	5.8	99
	2007	Gill	28	0	0.0	0.0	3	0.1	3.9	88.3	64	2.3	83.1	85.8	10	0.4	13.0	84.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	77	2.8	96
	2008	Gill	28	0	0.0	0.0	11	0.4	6.8	93.1	130	4.6	79.8	89.3	22	0.8	13.5	83.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	163	5.8	93
	2009	Gill	28	0	0.0	0.0	8	0.3	4.6	91.6	122	4.4	70.1	89.3	44	1.6	25.3	88.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	174	6.2	95
Sauger	1998	Gill	20	0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	8.3	95.7	22	1.1	91.7	103.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	23	1.2	100
	1999	Gill	28	0	0.0	0.0	2	0.1	15.4	81.8	4	0.1	30.8	92.0	6	0.2	46.2	90.7	1	0.0	7.7	103.8	0	0.0	0.0	0.0	13	0.5	85
	2001	Gill	19	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.2	2.3	96.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.2	100
	2002	Gill	27	0	0.0	0.0	2	0.1	50.0	83.5	1	0.0	25.0	87.4	1	0.0	25.0	104.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.1	50
	2003	Gill	27	0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	25.0	89.9	2	0.1	50.0	102.5	1	0.0	25.0	85.6	0	0.0	0.0	0.0	4	0.1	100
	2004	Gill	27	0	0.0	0.0	1	0.0	12.5	85.2	1	0.0	12.5	95.1	6	0.2	75.0	98.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	0.3	88
	2005	Gill	27	0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	14.3	89.2	6	0.2	85.7	94.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	7	0.3	100
	2006	Gill	26	0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	24.7	91.3	2	0.1	50.0	91.7	1	0.0	24.7	95.9	0	0.0	0.0	0.0	4	0.2	100
	2007	Gill	28	0	0.0	0.0	3	0.1	37.4	82.1	1	0.0	12.6	88.6	4	0.1	50.0	93.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	0.3	67
	2008	Gill	28	0	0.0	0.0	1	0.0	7.7	88.2	3	0.1	23.1	94.2	9	0.3	69.2	95.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	13	0.5	92
	2009	Gill	28	0	0.0	0.0	0	0.0	0.0	0.0	3	0.1	21.4	87.9	11	0.4	78.6	88.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	14	0.5	100
Flathead	1998	Gill	20	0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	100.0	96.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	na
Catfish	1999	Gill	28	0	0.0	0.0	1	0.0	20.0	87.6	2	0.1	40.0	99.9	0	0.0	0.0	0.0	2	0.1	40.0	100.9	0	0.0	0.0	0.0	5	0.2	na
	2001	Gill	19	0	0.0	0.0	2	0.1	66.7	93.2	1	0.1	33.3	86.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.2	33
	2002	Gill	27	0	0.0	0.0	3	0.1	37.5	102.6	3	0.1	37.5	92.6	2	0.1	25.0	91.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	0.3	63
	2003	Gill	27	0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	100.0	99.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	100
	2004	Gill	27	0	0.0	0.0	1	0.0	100.0	102.6	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	0.0	1	0.0	na
Channel	1998	Gill	20	6	0.3	27.3	7	0.4	31.8	94.9	8	0.4	36.4	116.0	0	0.0	0.0	0.0	1	0.1	4.5	120.0	0	0.0	0.0	0.0	22	1.1	56
Catfish	1999	Gill	28	2	0.1	11.1	10	0.4	55.6	96.3	2	0.1	11.1	98.5	4	0.1	22.2	103.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	18	0.6	38
	2001	Gill	19	2	0.1	11.1	8	0.4	44.4	94.0	8	0.4	44.4	108.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	18	1.0	50
	2002	Gill	27	3	0.1	13.6	9	0.3	40.9	82.9	10	0.4	45.5	90.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	22	0.8	53
	2003	Gill	27	1	0.0	12.5	2	0.1	25.0	73.9	4	0.1	50.0	99.1	1	0.0	12.5	131.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	0.3	71
	2004	Gill	27	1	0.0	10.0	4	0.1	40.0	85.3	5	0.2	50.0	91.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	10	0.4	56
White bass	2001	Gill	19	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.2	33.3	101.6	6	0.3	66.7	100.0	0	0.0	0.0	0.0	9	0.5	100
	2002	Gill	27	0	0.0	0.0	7	0.3	5.4	93.7	121	4.5	93.1	100.6	0	0.0	0.0	0.0	2	0.1	1.5	98.1	0	0.0	0.0	0.0	130	4.8	95
	2003	Gill	27	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	11	0.4	100.0	95.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	11	0.4	100
	2004	Gill	27	0	0.0	0.0	1	0.0	1.6	0.0	58	2.1	95.1	0.0	2	0.1	3.3	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	61	2.3	98
	2005	Gill	27	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	100.0	113.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	100
	2006	Gill	26	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	0.0	100.0	90.7	0	0.0	0.0	0.0	1	0.0	100
	2007	Gill	28	0	0.0	0.0	0	0.0	0.0	0.0	3	0.1	60.0	94.8	2	0.1	40.0	81.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	5	0.2	100
	2008	Gill	28	0	0.0	0.0	0	0.0	0.0	0.0	15	0.5	93.8	na	0	0.0	0.0	0.0	1	0.0	6.2	na	0	0.0	0.0	0.0	16	0.6	100
	2009	Gill	28	0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	14.3	97.2	5	0.2	71.4	102.3	1	0.0	14.3	107.2	0	0.0	0.0	0.0	7	0.3	100

Table 5. Summary of creel results for Norris Reservoir 1998-2008.

Norris Species	YEAR	Intended % Effort	Intended Angler Hrs	Intended Angler Trips	Intended Trip Expeniture	Intended Caught	Intended Caught per hr	Intended Harvested	Intended Harvested per hr	Intended Interviews	(Total) Caught	(Total) Harvest	Ave Weight lb	(#) Fish Rec.	% Released	% Harvest Composition
Any	1998	13.5	36,113	7,148												
Species	1999	12.7	38,535	7,974			0.31		0.09	95						
	2000	17.3	67,780	12,392	$110,980		0.39		0.13	109						
	2001	16.4	65,877	13,259	$151,450		0.31		0.10	100						
	2002	14.4	60,324	10,901	$109,290		0.74		0.26	91						
	2003	14.6	54,378	9,819	$106,800		0.29		0.07	67						
	2004	10.8	29,317	5,287	$41,810		0.45		0.15	51						
	2005	19.0	67,259	11,925	$193,330		0.87		0.27	74						
	2006	14.8	47,141	9,195	$90,950		0.48		0.06	67						
	2007	18.0	60,278	11,954	$222,540		0.65		0.10	53						
	2008	17.7	61,229	12,221	$198,640		0.62		0.09	71						
Any(All)	1998	42.2	112,556	22,280							74,431	8,116		161		
Blackbass	1999	43.6	131,942	27,297		87,753	0.46		0.10	375	103,145	22,343		231		
	2000	27.6	108,151	18,967	$268,390	65,827	0.41	9,901	0.06	195	83,299	11,683		105		
	2001	28.6	114,960	22,698	$280,490	81,670	0.44	9,545	0.03	202	102,895	14,316		98		
	2002	35.1	116,486	19,378	$373,020	88,013	0.54	3,327	0.01	282	105,558	5,749		59		
	2003	21.0	78,215	13,969	$193,070	58,906	0.43	5,069	0.02	149	74,634	9,094		60		
	2004	25.6	69,529	12,367	$224,520	36,385	0.41	765	0.00	132	50,038	1,917		34		
	2005	23.6	83,778	14,452	$297,250	53,534	0.38	4,080	0.02	134	67,402	5,082		42		
	2006	31.4	100,115	19,531	$474,110	80,052	0.49	4,667	0.02	179	93,598	6,821		50		
	2007	33.9	113,634	22,098	$614,920	104,083	0.58	4,713	0.02	161	119,613	6,065		33		
	2008	36.0	124,831	23,313	$997,680	157,543	0.42	5,204	0.01	179	192,809	8,627		51		
Any(All)	1998	4.8	12,870	2,547							11,731	2,928		61		
Crappie	1999	6.5	19,797	4,095		24,987	0.69		0.22	47	28,352	8,483		85		
	2000	9.3	36,460	6,156	$51,820	23,723	0.64	3,350	0.09	58	28,432	4,820		68		
	2001	9.2	37,129	7,350	$58,840	9,094	0.33	4,961	0.15	62	9,287	5,118		35		
	2002	8.3	34,782	6,020	$44,100	28,547	0.73	8,777	0.22	66	29,878	9,335		116		
	2003	5.7	21,048	3,854	$41,930	12,954	0.57	4,330	0.14	34	13,217	4,554		40		
	2004	8.9	24,146	4,225	$52,100	12,410	0.60	6,150	0.25	54	12,694	6,266		76		
	2005	6.6	23,367	4,062	$42,820	29,239	0.98	6,682	0.26	38	29,668	6,809		53		
	2006	4.5	14,232	2,876	$29,150	14,835	1.06	8,358	0.49	29	15,332	8,735		62		
	2007	6.3	20,986	4,040	$46,790	16,198	0.83	8,704	0.45	34	16,800	8,954		60		
	2008	6.9	23,948	4,293	$69,870	40,644	0.92	12,138	0.36	38	46,650	14,548		101		
Any(All)	1998	8.7	23,207	4,594							54,929	22,871		277		
Sunfish	1999	0.0	20,713	4,285		44,922	1.85		0.97	56	54,297	24,537		244		37.2
	2000	7.2	28,136	5,519	$55,370	81,030	2.63	23,563	0.82	55	90,453	25,791		289		42.2
	2001	6.2	24,986	5,307	$40,450	73,895	3.26	40,883	1.57	34	97,941	46,804		192		43.4
	2002	5.2	21,658	4,008	$31,900	64,767	2.01	30,989	0.91	33	86,656	36,272		245		48.1
	2003	10.5	38,927	6,957	$61,230	63,755	2.25	31,137	1.08	43	83,063	33,935		244		47.3
	2004	6.8	18,308	3,376	$43,040	49,171	3.59	18,958	1.42	27	67,016	25,715		325		40.2
	2005	10.6	37,585	6,954	$71,250	134,188	4.08	43,848	1.82	31	149,396	45,417		313		57.2
	2006	3.5	11,096	2,371	$36,950	34,615	2.82	14,945	1.11	19	43,085	16,894		78		35.5
	2007	6.4	21,485	4,293	$54,890	65,728	4.01	20,727	1.47	17	76,658	24,326		109		48.5
	2008	7.2	25,006	4,997	$70,350	65,803	2.24	30,857	1.17	32	81,510	32,456		222		49.0
Any(All)	1998	1.8	4,735	937							4,700	1,382		22		
Catfish	1999	0.5	1,640	340		1,721	0.13		0.13	6	3,558	2,478		28		
	2000	3.1	11,971	2,229	$30,600	4,928	0.54	5,039	0.54	14	15,802	8,156		49		
	2001	1.0	3,903	736	$3,770	6,001	0.32	6,111	0.32	6	17,141	11,824		58		
	2002	1.3	5,377	868	$20,980	2,608	0.17	1,623	0.17	9	10,481	3,585		26		
	2003	1.5	5,468	1,019	$5,590	1,748	0.29	1,302	0.29	9	6,854	2,897		20		
	2004	0.4	1,068	184	$1,840	1,187	0.16	782	0.16	3	10,057	3,751		27		
	2005	1.3	4,534	794	$3,510	4,706	0.40	2,432	0.40	3	10,226	3,228		30		
	2006	0.4	1,180	231	$1,660	1,783	0.00	358	0.00	2	8,203	715		4		
	2007	0.7	2,488	485	$3,590	1,177	0.11	983	0.11	2	13,717	4,117		9		
	2008	0.1	345	68	$0	881	0.00	148	0.00	1	7,970	2,890		14		
Large-	1998	not separated prior to 2000 and is the reason lumped into all black bass category									15,479	1,489	1.6	24		
mouth	1999	0.0	0	0		26,316	0.00		0.00	0	31,473	4,848	2.01	53	84.6	7.4
Bass	**2000**	0.7	2,660	441	$0	25,697	0.14	1,172	0.00	4	31,024	1,231	1.68	21	96.0	2.0
	2001	0.3	1,125	205	$1,030	23,373	0.09	1,876	0.00	1	30,816	1,876	1.54	10	93.9	1.9
	2002	0.1	337	64	$2,540	25,532	0.00	333	0.00	1	29,515	444	2.04	4	98.5	0.6
	2003	3.8	14,017	2,561	$66,240	17,390	0.09	591	0.02	16	24,437	1,379	2.41	7	94.4	1.9
	2004	0.2	441	85	$2,560	8,151	0.00	146	0.00	1	10,083	146	1.93	3	98.6	0.3
	2005	1.4	5,007	923	$21,750	12,978	0.24	692	0.00	4	16,346	692	2.87	6	95.8	0.9
	2006	0.4	1,351	254	$7,800	21,028	0.32	1,709	0.00	2	24,001	1,972	2.26	15	91.8	4.1
	2007	0.1	339	65	$3,260	23,457	0.29	1,183	0.00	1	25,937	1,577	1.70	4	93.9	3.1
	2008	0.6	2,244	438	$4,090	39,858	0.10	627	0.00	5	48,963	1,411	3.07	9	97.1	2.1
Small-	1998	not separated prior to 2000 and is the reason lumped into all black bass category									39,705	4,238	3.39	100		
mouth	1999	0.1	292	60		43,807	0.12		0.06	2	51,430	12,226	2.04	111	76.2	18.5
Bass	**2000**	4.2	16,564	2,887	$20,630	22,337	0.24	2,297	0.00	15	30,449	3,216	1.70	21	89.4	5.3
	2001	5.9	23,547	4,568	$57,950	30,449	0.33	2,562	0.01	41	37,561	3,928	2.77	23	89.5	3.9
	2002	7.1	29,773	4,822	$72,000	29,229	0.31	629	0.02	50	36,536	1,650	2.81	21	95.5	2.2
	2003	7.6	28,292	5,162	$81,360	23,924	0.32	1,034	0.02	51	26,675	1,609	3.24	14	94.0	2.2
	2004	8.6	23,292	4,021	$57,850	57,850	0.39	299	0.01	42	21,330	427	2.46	10	98.0	0.8
	2005	9.0	32,058	5,683	$87,530	26,166	0.34	1,097	0.01	46	30,271	1,496	3.87	12	95.1	1.9
	2006	10.6	33,775	5,959	$123,850	28,788	0.22	450	0.00	49	33,506	1,013	2.84	9	97.0	2.1
	2007	8.5	28,619	5,375	$94,620	50,440	0.44	2,158	0.01	56	56,308	2,589	2.70	12	95.4	5.2
	2008	9.3	32,140	6,052	$183,790	89,446	0.72	2,520	0.02	58	102,625	3,360	2.79	12	96.7	5.1
Spotted	1998	not separated prior to 2000 and is the reason lumped into all black bass category									19,247	2,389	0.91	37		
Bass	1999	0.0	0	0		17,630	0.00		0.00	0	20,242	5,269	1.06	67	74.0	8.0
	2000	0.0	0	0		17,811	0.00	6,432	0.00	0	21,826	7,236	0.62	63	66.8	11.9
	2001	0.2	683	120	$870	27,848	0.70	5,107	0.70	2	34,518	8,512	0.79	65	75.3	8.4
	2002	0.1	394	72	$900	33,252	0.00	2,365	0.00	1	39,507	3,655	0.87	34	90.7	4.8
	2003	0.0	146	26	$1,800	17,562	0.67	3,444	0.44	1	23,522	6,106	0.85	39	74.0	8.5
	2004	0.0	0	0	$0	12,110	0.00	320	0.00	0	18,625	1,344	0.99	21	92.8	2.5
	2005	0.6	2,029	385	$35,100	14,390	0.19	2,291	0.09	2	20,785	2,894	1.21	24	86.1	3.6
	2006					30,236		2,508			36,091	3,836	0.91	26	89.4	8.1
	2007					30,186		1,372			37,368	1,899	0.75	17	94.9	3.8
	2008	0.8	2,687	456	$1,340	28,239	0.38	2,057	0.28	3	41,221	3,856	0.82	30	90.6	5.8
Striped	1998	21.9	58,350	11,551							5,172	1,220	11.52	44		
Bass	1999	22.7	68,721	14,217		6,442	0.07		0.03	183	6,796	2,621	13.75	43	61.4	4.0
	2000	15.3	59,828	10,611	$232,770	3,660	0.03	2,088	0.02	84	4,314	2,366	17.72	17	45.2	3.9
	2001	12.6	50,496	9,676	$190,990	4,993	0.06	426	0.01	89	7,661	426	15.66	5	94.4	0.4
	2002	20.1	84,472	12,893	$254,070	13,580	0.10	6,844	0.04	136	18,066	7,490	10.59	58	58.5	9.9
	2003	17.6	65,355	11,968	$221,790	6,011	0.06	3,436	0.03	107	8,014	3,691	12.43	29	53.9	5.1
	2004	18.2	49,282	8,752	$167,180	7,241	0.11	4,823	0.07	66	8,146	4,823	8.66	31	40.8	8.9
	2005	11.4	40,493	7,451	$142,730	8,258	0.14	1,465	0.02	64	10,879	1,731	9.27	13	84.1	2.2
	2006	19.2	60,975	11,698	$255,210	14,405	0.17	2,241	0.01	87	15,714	2,241	10.54	6	85.7	4.7
	2007	12.4	41,428	8,174	$134,910	10,933	0.28	1,039	0.04	60	13,143	1,187	7.80	8	91.0	2.4
	2008	9.6	33,232	6,659	$293,220	12,019	0.26	3,249	0.04	49	13,367	3,249	10.23	9	75.7	4.9
Walleye	1998											1,176	2.84	22		
	1999	6.5	19,770	4,087		5,048	0.16		0.11	60	3,334	3,339	3.57	40	41.7	5.1
	2000	15.0	59,003	10,103	$103,350	12,088	0.15	7,040	0.10	139	12,508	7,198	2.17	91	42.5	11.8
	2001	19.5	78,612	15,582	$148,410	23,902	0.19	20,401	0.16	120	24,610	20,769	1.88	113	15.6	20.5
	2002	15.7	65,901	12,223	$120,510	15,544	0.14	9,212	0.08	127	16,432	9,371	1.89	59	43.0	12.4
	2003	17.6	65,587	11,613	$97,640	16,097	0.11	14,939	0.10	98	16,578	15,445	2.16	61	6.8	21.5
	2004	20.6	55,831	10,379	$107,570	11,763	0.20	9,193	0.15	102	12,735	9,379	2.11	101	26.4	17.3
	2005	16.2	57,604	10,028	$154,570	19,287	0.20	14,884	0.16	83	19,444	15,037	2.20	94	22.7	18.9
	2006	15.2	48,526	9,746	$124,200	9,598	0.10	10,509	0.09	84	13,314	11,959	2.11	33	10.2	25.2
	2007	13.7	45,729	9,053	$176,350	4,733	0.06	4,921	0.05	57	6,389	5,500	2.22	18	13.9	11.0
	2008	11.7	40,665	8,049	$200,580	4,777	0.08	3,974	0.07	63	5,050	4,116	2.29	28	18.5	6.2

Table 6. Summary of creel results for Norris Reservoir 1998-2008.

Norris Species	YEAR	Intended Angler Hrs	Intended Angler Trips	Intended Trip Expenditure	Intended Caught	Intended Caught per hr	Intended Harvested	Intended Harvested per hr	Intended Interviews	(Total) Caught	(Total) Harvest	Ave Weight lb	(#) Fish Rec.	% Released	% Harvest Comp.	Total Intend Effort
White Crappie	1998									2,199	246	2.69	5			
	1999				14,438					15,819	3,865	0.67	40	75.6	5.9	
	2000				11,548		1,119			14,220	1,902	0.75	34	86.6	3.1	
	2001				2,737		891			2,737	891	0.75	8	67.4	0.9	
	2002				11,869		2,604			12,710	2,741	0.73	40	78.4	3.6	
	2003				4,745		1,403			4,903	1,497	0.62	16	69.5	2.1	
	2004				2,994		1,045			3,078	1,045	0.79	32	66.0	1.9	
	2005				5,534		702			5,672	702	0.69	6	87.6	0.9	
	2006				858		397			1,144	595	0.98	6	48.0	1.3	
	2007				2,309		1,766			2,431	1,902	0.84	14	21.8	3.8	
	2008				12,905		1,975			16,060	2,873	0.88	16	82.1	4.3	
Black Crappie	1998									9,532	2,682	0.83	56			
	1999				10,549					12,533	4,618	0.84	45	63.2	7.0	
	2000				12,175		2,231			13,310	2,918	0.76	34	78.1	4.8	
	2001				6,271		4,070			6,550	4,227	0.77	27	35.5	4.2	
	2002				13,973		5,699			14,247	5,962	0.72	68	58.2	7.9	
	2003				4,129		2,150			4,129	2,150	0.75	17	47.9	3.0	
	2004				7,457		4,856			7,659	4,972	0.85	43	35.1	9.2	
	2005				21,390		5,481			21,681	5,608	0.65	44	74.1	7.1	
	2006				12,080		7,781			12,080	7,781	0.67	52	35.6	16.4	
	2007				12,489		5,926			12,969	6,040	0.74	41	53.4	12.0	
	2008				25,674		9,489			28,319	10,905	0.83	77	61.5	16.4	
Black-nose Crappie	1998									0	0	na	0			
	1999				0					0	0	na	0		0.0	
	2000				902		0			902	0	na	0		0.0	
	2001				86		0			86	0	na	0		0.0	
	2002				2,705		474			2,921	632	0.83	8	78.4	0.8	
	2003				4,080		777			4,185	907	0.86	7	78.3	1.3	
	2004				1,959		249			1,959	249	0.30	1	87.3	0.5	
	2005				2,315		499			2,315	499	0.85	3	78.4	0.6	
	2006				1,897		180			2,108	359	0.77	4	83.0	0.8	
	2007				1,400		1,012			1,400	1,012	0.53	5	27.7	2.0	
	2008				2,065		674			2,271	770	0.86	8	66.1	1.2	
Channel Catfish	1998									1,636	791	1.90	14			
	1999				1,484					3,202	2,137	4.09	23	33.3	3.2	
	2000				4,737		4,891			15,294	7,861	2.18	45	48.6	12.9	
	2001				5,450		5,560			16,039	10,722	1.76	54	33.2	10.6	
	2002				2,431		1,438			10,128	3,308	1.51	23	67.3	4.4	
	2003				1,512		1,015			6,500	2,610	2.17	18	59.8	3.6	
	2004				791		386			9,265	2,959	1.94	23	68.1	5.5	
	2005				4,569		2,295			9,815	2,817	2.41	27	71.3	3.5	
	2006				1,783		358			8,203	715	2.16	4	91.3	1.5	
	2007				1,177		983			13,533	3,933	1.34	8	70.9	7.8	
	2008				551		0			6,981	2,445	1.44	11	65.0	3.7	
Flathead Catfish	1998									3,064	591	2.46	8			
	1999				237					356	341	6.04	5	4.2	0.5	
	2000				191		148			508	295	4.60	4	41.9	0.5	
	2001				551		551			1,102	1,102	4.83	4	0.0	1.1	
	2002				177		185			353	277	2.65	3	21.5	0.4	
	2003				236		287			354	287	1.28	2	18.9	0.4	
	2004				396		396			792	792	1.16	4	0.0	1.5	
	2005				137		137			411	411	2.13	3	0.0	0.5	
	2006				0		0			0	0	na	0	na	na	
	2007				0		0			184	184	2.20	1	0.0	0.4	
	2008				330		148			989	445	7.08	3	55.0	0.7	
Bluegill	1998									54,619	22,871	0.30	277			
	1999				44,922		22,124			54,297	24,537	0.83	244	54.8	37.2	
	2000				80,586		23,563			89,623	25,705	0.19	288	71.3	42.1	
	2001				73,774		40,883			89,907	43,937	0.20	187	51.1	43.4	
	2002				64,767		30,876			85,803	36,272	0.27	242	57.7	48.1	
	2003				63,347		30,947			82,166	33,491	0.23	237	59.2	46.7	
	2004				49,171		18,958			66,695	25,700	0.27	324	61.5	47.5	
	2005				132,854		42,514			147,552	44,083	0.23	308	70.1	55.6	
	2006				34,615		14,945			43,012	16,894	0.31	78	60.7	35.5	
	2007				65,728		20,727			75,773	24,070	0.27	108	68.2	48.0	
	2008				63,106		28,515			76,123	29,077	0.25	199	61.8	43.9	
TOTAL	1998	266,554	52,768							158,023	38,369		607			266,554
	1999	302,469	62,574		171,161		56,064		828	206,200	64,588		685			302,469
	2000	392,121	69,556	$873,910	192,583		51,226		676	238,348	61,009		638			392,121
	2001	402,116	79,647	$935,710	200,722		82,574		659	267,666	101,293		517			402,102
	2002	419,504	71,249	$953,870	215,023		62,198		744	275,254	75,476		599			419,504
	2003	372,263	67,076	$882,580	159,698		60,213		576	204,295	70,336		459			372,263
	2004	271,214	48,676	$698,470	118,286		40,671		478	166,343	53,821		608			271,214
	2005	354,865	62,854	$1,055,410	249,577		73,391		482	292,084	78,199		550			354,865
	2006	318,391	61,861	$1,143,880	155,791		41,078		518	192,166	47,539		234			318,391
	2007	334,986	65,537	$1,351,870	203,345		41,087		237	249,735	50,149		237			334,986
	2008	346,327	66,546	$2,019,560	281,970		55,570		499	350,890	66,292		431			346,327

Table 7. Mean relative weight and standard error values by size class for Norris Reservoir black crappie collected during the 2009 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
8	91.2	2.3	4
9	86.2	1.0	4
10	87.3	2.1	10
11	80.8	1.9	15
12	81.3	1.4	20
13	79.1	1.5	10
14	79.9	1.8	3
		Total Catch	66

Table 8. Mean relative weight and standard error values by size class for Norris Reservoir black crappie collected during the 2009 trap net sample.

Size Class	Mean Wr	Std. Error	N
5	90.0	2.7	2
6	92.9	2.6	8
7	92.0	2.3	8
8	97.4	2.2	14
9	92.8	1.1	20
10	92.9	0.8	43
11	90.4	1.8	13
12	86.5		1
		Total Catch	109

Table 9. Mean relative weight and standard error values by size class for Norris Reservoir largemouth bass collected during the 2009 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
7	83.6	1.6	2
8	85.9	2.6	5
9	85.4	1.6	11
10	79.9	1.9	11
11	82.2	1.4	21
12	82.9	2.1	19
13	81.8	1.1	35
14	82.1	1.4	31
15	82.7	1.2	19
16	83.7	1.5	20
17	86.5	4.2	6
18	79.8	2.8	5
19	94.9		1
20	93.6		1
		Total Catch	187

Table 10. Mean relative weight and standard error values by size class for Norris Reservoir smallmouth bass collected during the 2009 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
7	83.7		1
8	88.2		1
9	92.1	14.2	2
10	81.8		1
11	85.3		1
12	82.9	2.7	4
13	84.2	2.4	3
14	84.4	3.8	5
15	79.5	2.8	2
16	78.1		1
17	81.9	4.8	4
		Total Catch	25

Table 11. Mean relative weight and standard error values by size class for Norris Reservoir spotted bass collected during the 2009 electrofishing sample.

Size Class	Mean Wr	Std. Error	N
7	89.4		1
8	92.7	1.7	8
9	89.5	2.2	13
10	91.8	2.8	17
11	91.5	1.9	15
12	87.1	2.2	12
13	90.5		1
		Total Catch	67

Table 12. Mean relative weight and standard error values by size class for Norris Reservoir striped bass collected during the 2009 winter gill net sample.

Size Class	Mean Wr	Std. Error	N
12	96.0	0.9	3
13			
14	103.6		1
15	92.5	0.6	2
16	95.5	2.6	5
17	91.4	0.4	2
18	89.9	1.0	13
19	94.0	1.1	5
20	94.2	1.4	3
21	92.6	0.3	2
22	95.7	1.7	6
23	93.5	3.8	4
24	87.6		1
25	89.8	3.2	3
26	91.3	3.3	3
27	86.3	1.4	5
28	84.1		1
29	78.6		1
		Total Catch	60

Table 13. Mean relative weight and standard error values by size class for Norris Reservoir walleye collected during the 2009 winter gill net sample.

Size Class	Mean Wr	Std. Error	N
12	101.4	0.7	2
13	88.1	2.0	2
14	88.4	6.0	4
15	95.3	3.6	5
16	91.1	1.4	20
17	91.2	1.3	27
18	87.6	0.8	37
19	87.1	1.1	32
20	88.4	1.2	28
21	89.1	1.3	14
22	85.5		1
23	83.9		1
24	85.3		1
		Total Catch	174

Table 14. Geometric means of Region IV's shad gill net catches from 2003 to 2009.

Reservoir	Year	Alewife	Threadfin	Gizzard
Norris	2003	17.3	17.9	5.8
Cherokee	2003	67.3	1.9	67.7
S. Holston	2003	8.2	5.5	4.0
Boone	2003	107.3	0.0	14.4
Norris	2004	0.7	14.6	3.7
Cherokee	2004	5.3	9.7	9.3
S. Holston	2004	1.8	4.0	2.2
Boone	2004	3.0	1.5	42.3
Norris	2005	0.4	3.8	5.3
Cherokee	2005	0.1	1.6	1.7
S. Holston	2005	0.2	3.9	3.1
Boone	2005	2.4	15.9	26.1
Norris	2006	0.1	1.1	0.9
Cherokee	2006	0.4	3.0	3.3
S. Holston	2006	0.2	2.7	1.3
Boone	2006	2.4	11.2	25.9
Norris	2007	1.6	6.2	1.7
Cherokee	2007	0.4	2.0	3.3
Douglas	2007	0.0	91.4	19.5
Boone	2007	3.3	40.2	23.9
Norris	2008	1.6	3.2	1.3
Cherokee	2008	0.4	4.7	1.7
Douglas	2008	0.0	42.2	19.5
Boone	2008	7.3	5.0	8.9
Norris	2009	1.2	1.3	1.2
Cherokee	2009	1.5	2.3	4.1
Douglas	2009	0.0	10.7	7.7
Boone	2009	3.2	1.3	9.0

Table 15. Summary of July 2009 Norris Reservoir water quality parameters at Clinch River Mile 82.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	83.1	281	8.8	7.7	C82	14.8	900	7/1/2009
3	83.1	280	8.8	7.5				
7	83.1	280	8.7	7.7				
10	83.1	280	8.7	7.6				
13	78.8	280	8.8	10.3				
16	75.2	280	8.8	11.3				
20	71.6	283	8.8	11.2				
23	68.5	289	8.7	10.1				
26	65.3	294	8.6	8.5				
30	63.5	294	8.5	7.8				
33	62.2	302	8.5	6.7				
36	61.2	313	8.4	5.8				
39	60.3	323	8.4	5.3				
43	59.5	326	8.3	5.1				
46	59.0	324	8.3	5.1				
49	58.3	313	8.3	5.5				
52	57.0	307	8.3	5.9				
56	56.1	304	8.3	6.0				
59	55.2	302	8.3	6.4				
62	54.3	301	8.2	6.6				
66	53.6	301	8.2	6.7				
69	53.2	301	8.2	6.8				
72	52.7	300	8.2	7.0				
75	52.3	300	8.2	7.0				
79	51.6	300	8.2	7.0				
82	51.3	299	8.2	7.0				
85	50.7	299	8.2	7.0				
89	49.8	303	8.2	7.0				
92	49.5	305	8.2	7.1				
95	49.3	308	8.2	7.0				
98	48.9	309	8.2	6.8				

Table 16. Summary of September 2009 Norris Reservoir water quality parameters at Clinch River Mile 82.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	80.1	275	8.6	7.7	C82	11.5	950	9/1/2009
3	80.1	275	8.5	7.8				
7	80.1	275	8.5	7.3				
10	80.1	275	8.5	7.3				
13	80.1	275	8.5	7.6				
16	80.1	275	8.5	7.8				
20	80.1	275	8.5	7.8				
23	80.1	275	8.5	7.6				
26	80.1	275	8.5	7.7				
30	79.9	275	8.5	7.8				
33	75.4	297	8.4	8.7				
36	73.0	296	8.3	8.4				
39	71.4	295	8.3	7.5				
43	69.3	291	8.2	6.7				
46	67.8	292	8.2	5.8				
49	66.4	296	8.1	4.7				
52	64.0	304	8.1	3.4				
56	63.0	308	8.1	2.8				
59	62.1	312	8.0	2.4				
62	60.8	318	8.0	2.1				
66	59.9	321	8.0	2.2				
69	59.5	322	8.0	2.2				
72	59.2	322	8.0	2.3				
75	58.8	323	8.0	2.3				
79	58.1	323	7.9	2.6				
82	57.7	321	7.9	2.8				
85	57.4	319	7.9	2.8				
89	57.0	316	7.9	2.9				
92	56.7	312	7.9	2.6				
95	56.1	312	7.9	2.6				
98	55.9	311	7.9	2.6				

Table 17. Summary of July 2009 Norris Reservoir water quality parameters at Clinch River Mile 88.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	83.5	271	8.7	8.1	C88	16.4	1000	7/1/2009
3	82.9	275	8.7	8.1				
7	82.8	274	8.7	8.0				
10	82.4	270	8.7	9.3				
13	80.2	255	8.8	13.0				
16	76.3	253	8.8	14.6				
20	72.5	257	8.8	14.9				
23	69.8	267	8.7	13.6				
26	67.1	270	8.7	12.4				
30	64.8	274	8.6	7.4				
33	62.8	278	8.5	4.0				
36	62.1	279	8.4	3.2				
39	61.2	281	8.4	2.6				
43	60.3	290	8.4	3.1				
46	59.7	321	8.3	3.2				
49	59.0	330	8.3	3.5				
52	58.1	328	8.2	4.0				
56	57.4	324	8.2	4.4				
59	55.9	312	8.2	5.1				
62	54.7	309	8.2	5.6				
66	54.1	307	8.2	5.8				
69	53.6	306	8.2	6.0				
72	53.1	305	8.2	6.2				
75	52.7	304	8.2	6.3				
79	52.3	302	8.2	6.5				
82	51.6	300	8.2	6.5				
85	50.5	295	8.2	6.5				
89	49.8	292	8.2	6.2				
92	49.1	292	8.1	6.1				
95	48.6	293	8.1	6.0				
98	48.4	293	8.1	5.8				

Table 18. Summary of September 2009 Norris Reservoir water quality parameters at Clinch River Mile 88.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	80.2	266	8.4	7.1	C88	9.8	900	9/1/2009
3	80.2	266	8.4	7.2				
7	80.2	266	8.4	7.5				
10	80.2	266	8.4	7.8				
13	80.2	266	8.4	7.9				
16	80.2	266	8.4	7.7				
20	80.1	267	8.4	7.5				
23	80.1	267	8.4	7.3				
26	79.9	269	8.4	7.3				
30	76.8	322	8.3	6.7				
33	74.8	358	8.1	5.9				
36	73.0	383	8.1	4.3				
39	71.2	402	8.0	3.2				
43	69.8	365	8.0	3.8				
46	67.6	329	8.0	4.2				
49	65.5	303	8.0	3.3				
52	64.2	303	7.9	2.8				
56	62.1	295	7.9	3.0				
59	61.2	295	7.9	3.0				
62	60.1	297	7.9	2.9				
66	59.5	299	7.9	2.9				
69	59.0	299	7.9	2.7				
72	58.8	300	7.9	2.6				
75	58.3	299	7.9	2.5				
79	57.7	299	7.8	2.5				
82	57.6	298	7.8	2.9				
85	57.2	298	7.8	2.8				
89	56.7	297	7.8	2.8				
92	56.1	296	7.8	2.8				
95	55.6	295	7.8	3.2				
98	55.4	294	7.8	3.2				

Table 19. Summary of July 2009 Norris Reservoir water quality parameters at Clinch River Mile 120.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	82.4	265	8.5	7.9	C120	14.8	700	7/1/2009
3	82.6	266	8.5	8.9				
7	82.6	266	8.5	9.3				
10	82.4	266	8.5	9.6				
13	82.4	266	8.5	10.3				
16	82.4	266	8.5	10.8				
20	76.3	313	8.4	12.1				
23	73.0	307	8.3	11.3				
26	70.2	301	8.2	9.8				
30	68.7	297	8.2	9.0				
33	66.9	299	8.1	8.3				
36	64.0	296	8.1	7.9				
39	61.9	285	8.0	9.6				
43	61.2	281	8.0	8.8				
46	59.7	279	8.0	10.1				
49	58.8	282	7.9	10.0				
52	57.7	284	7.9	9.6				
56	56.8	285	7.9	9.3				
59	55.8	286	7.9	10.2				
62	54.9	288	7.9	10.5				
66	54.3	288	7.9	10.7				
69	54.0	289	7.9	11.2				
72	53.8	289	7.9	10.8				
75	52.3	293	7.9	10.6				
79	51.6	295	7.8	9.8				
82	51.4	296	7.8	9.2				
85	51.1	296	7.8	9.2				
89	50.5	300	7.8	8.4				
92	50.0	301	7.8	7.9				
95	48.6	312	7.8	8.0				

Table 20. Summary of September 2009 Norris Reservoir water quality parameters at Clinch River Mile 120.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	80.2	283	8.7	7.1	C120	9.8	710	9/1/2009
3	80.4	282	8.6	7.0				
7	80.4	282	8.6	6.5				
10	80.2	282	8.5	6.4				
13	80.2	283	8.5	6.5				
16	80.2	282	8.5	6.5				
20	80.2	282	8.5	6.2				
23	80.2	285	8.5	6.3				
26	78.8	330	8.3	1.6				
30	77.2	333	8.2	0.7				
33	75.6	340	8.1	0.3				
36	73.4	342	8.1	0.2				
39	72.0	333	8.0	0.2				
43	69.3	315	8.0	0.2				
46	67.3	310	8.0	0.2				
49	65.5	304	8.0	0.2				
52	64.4	301	8.0	0.2				
56	63.0	295	8.0	0.2				
59	61.5	292	8.0	0.2				
62	60.4	291	7.9	0.2				
66	59.9	291	7.9	0.2				
69	59.4	295	7.9	0.2				
72	58.6	295	7.9	0.2				
75	57.9	298	7.9	0.2				
79	57.6	298	7.9	0.2				
82	57.0	299	7.8	0.2				
85	56.7	301	7.8	0.2				
89	56.3	304	7.8	0.2				

Table 21. Summary of September 2009 Norris Reservoir water quality parameters at Powell River Mile 19.

Depth (ft)	Temp F	Cond	PH	DO	Site	Secchi (ft)	Time	Date
0	80.6	309	8.4	7.5	P19	9.8	1100	9/1/2009
3	80.6	309	8.5	7.6				
7	80.6	308	8.6	7.2				
10	80.4	308	8.6	7.4				
13	80.4	308	8.6	7.8				
16	80.4	308	8.6	7.6				
20	80.4	308	8.6	7.4				
23	80.4	308	8.6	7.8				
26	77.5	378	8.3	4.2				
30	75.9	401	8.2	3.7				
33	74.7	404	8.1	3.2				
36	73.0	428	8.0	3.2				
39	71.6	433	8.0	2.5				
43	70.2	430	8.0	1.8				
46	68.0	411	8.0	1.6				
49	66.4	379	8.0	1.6				
52	64.6	344	8.0	1.5				
56	62.8	324	8.0	1.6				
59	61.7	322	8.0	1.5				
62	61.0	319	8.0	1.4				
66	60.1	318	8.0	1.4				
69	59.5	319	7.9	1.4				
72	58.8	320	7.9	1.2				
75	58.5	320	7.9	1.1				
79	57.9	321	7.9	1.1				
82	57.4	324	7.9	1.2				
85	57.0	325	7.9	1.2				
89	56.7	328	7.9	1.2				
92	56.3	329	7.9	1.2				
95	55.8	332	7.9	1.2				
98	55.4	334	7.9	0.9				

Table 22. Norris Reservoir water levels for 2009. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
1000.66	JANUARY	1	1002.14	FEBRUARY	24	1016.83	APRIL	19
1000.63	JANUARY	2	1002.06	FEBRUARY	25	1017.12	APRIL	20
1000.42	JANUARY	3	1001.97	FEBRUARY	26	1017.41	APRIL	21
1000.22	JANUARY	4	1001.94	FEBRUARY	27	1017.71	APRIL	22
1000.13	JANUARY	5	1001.98	FEBRUARY	28	1017.96	APRIL	23
1000.64	JANUARY	6	1002.17	MARCH	1	1018.15	APRIL	24
1002.60	JANUARY	7	1002.60	MARCH	2	1018.30	APRIL	25
1005.03	JANUARY	8	1002.93	MARCH	3	1018.43	APRIL	26
1005.84	JANUARY	9	1003.09	MARCH	4	1018.53	APRIL	27
1005.99	JANUARY	10	1003.13	MARCH	5	1018.63	APRIL	28
1006.18	JANUARY	11	1003.16	MARCH	6	1018.70	APRIL	29
1006.52	JANUARY	12	1003.10	MARCH	7	1018.76	APRIL	30
1006.65	JANUARY	13	1003.01	MARCH	8	1018.83	MAY	1
1006.52	JANUARY	14	1002.98	MARCH	9	1018.96	MAY	2
1006.33	JANUARY	15	1002.87	MARCH	10	1019.25	MAY	3
1006.03	JANUARY	16	1002.89	MARCH	11	1019.85	MAY	4
1005.62	JANUARY	17	1002.89	MARCH	12	1020.65	MAY	5
1005.26	JANUARY	18	1002.93	MARCH	13	1021.42	MAY	6
1004.86	JANUARY	19	1003.20	MARCH	14	1021.85	MAY	7
1004.44	JANUARY	20	1004.11	MARCH	15	1022.84	MAY	8
1003.98	JANUARY	21	1005.35	MARCH	16	1023.61	MAY	9
1003.53	JANUARY	22	1006.15	MARCH	17	1024.00	MAY	10
1003.05	JANUARY	23	1006.63	MARCH	18	1024.03	MAY	11
1002.57	JANUARY	24	1006.96	MARCH	19	1023.64	MAY	12
1002.30	JANUARY	25	1007.13	MARCH	20	1023.23	MAY	13
1001.82	JANUARY	26	1007.37	MARCH	21	1022.79	MAY	14
1001.53	JANUARY	27	1007.58	MARCH	22	1022.45	MAY	15
1001.47	JANUARY	28	1007.78	MARCH	23	1022.23	MAY	16
1001.91	JANUARY	29	1007.97	MARCH	24	1021.93	MAY	17
1002.33	JANUARY	30	1008.18	MARCH	25	1021.63	MAY	18
1002.39	JANUARY	31	1008.45	MARCH	26	1021.30	MAY	19
1002.24	FEBRUARY	1	1008.72	MARCH	27	1020.95	MAY	20
1002.32	FEBRUARY	2	1009.04	MARCH	28	1020.57	MAY	21
1002.19	FEBRUARY	3	1009.45	MARCH	29	1020.18	MAY	22
1001.99	FEBRUARY	4	1009.91	MARCH	30	1020.18	MAY	23
1001.78	FEBRUARY	5	1010.30	MARCH	31	1020.17	MAY	24
1001.53	FEBRUARY	6	1010.65	APRIL	1	1020.21	MAY	25
1001.34	FEBRUARY	7	1010.93	APRIL	2	1020.13	MAY	26
1001.26	FEBRUARY	8	1011.26	APRIL	3	1020.11	MAY	27
1001.12	FEBRUARY	9	1011.59	APRIL	4	1020.06	MAY	28
1000.90	FEBRUARY	10	1011.92	APRIL	5	1020.04	MAY	29
1000.72	FEBRUARY	11	1012.22	APRIL	6	1019.99	MAY	30
1000.57	FEBRUARY	12	1012.52	APRIL	7	1019.98	MAY	31
1000.38	FEBRUARY	13	1012.82	APRIL	8	1019.99	JUNE	1
1000.31	FEBRUARY	14	1013.11	APRIL	9	1019.99	JUNE	2
1000.26	FEBRUARY	15	1013.51	APRIL	10	1020.01	JUNE	3
1000.19	FEBRUARY	16	1014.05	APRIL	11	1020.04	JUNE	4
1000.15	FEBRUARY	17	1014.74	APRIL	12	1020.10	JUNE	5
1000.41	FEBRUARY	18	1015.25	APRIL	13	1020.13	JUNE	6
1000.97	FEBRUARY	19	1015.64	APRIL	14	1020.15	JUNE	7
1001.61	FEBRUARY	20	1015.95	APRIL	15	1020.19	JUNE	8
1002.00	FEBRUARY	21	1016.20	APRIL	16	1020.20	JUNE	9
1002.19	FEBRUARY	22	1016.40	APRIL	17	1020.31	JUNE	10
1002.19	FEBRUARY	23	1016.57	APRIL	18	1020.37	JUNE	11

Table 23. Norris Reservoir water levels for 2009. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
1020.47	JUNE	12	1018.23	AUGUST	5	1011.64	SEPTEMBER	28
1020.53	JUNE	13	1018.21	AUGUST	6	1011.78	SEPTEMBER	29
1020.58	JUNE	14	1018.18	AUGUST	7	1011.74	SEPTEMBER	30
1020.59	JUNE	15	1018.20	AUGUST	8	1011.58	OCTOBER	1
1020.57	JUNE	16	1018.20	AUGUST	9	1011.40	OCTOBER	2
1020.79	JUNE	17	1017.96	AUGUST	10	1011.40	OCTOBER	3
1021.03	JUNE	18	1017.82	AUGUST	11	1011.31	OCTOBER	4
1021.44	JUNE	19	1017.60	AUGUST	12	1011.04	OCTOBER	5
1021.58	JUNE	20	1017.39	AUGUST	13	1010.78	OCTOBER	6
1021.65	JUNE	21	1017.13	AUGUST	14	1010.55	OCTOBER	7
1021.57	JUNE	22	1017.01	AUGUST	15	1010.25	OCTOBER	8
1021.38	JUNE	23	1016.83	AUGUST	16	1010.02	OCTOBER	9
1021.21	JUNE	24	1016.42	AUGUST	17	1009.96	OCTOBER	10
1020.93	JUNE	25	1015.98	AUGUST	18	1009.85	OCTOBER	11
1020.72	JUNE	26	1015.82	AUGUST	19	1009.60	OCTOBER	12
1020.61	JUNE	27	1015.84	AUGUST	20	1009.35	OCTOBER	13
1020.52	JUNE	28	1015.48	AUGUST	21	1009.25	OCTOBER	14
1020.41	JUNE	29	1015.34	AUGUST	22	1009.40	OCTOBER	15
1020.26	JUNE	30	1015.17	AUGUST	23	1009.74	OCTOBER	16
1020.13	JULY	1	1014.77	AUGUST	24	1009.94	OCTOBER	17
1019.98	JULY	2	1014.38	AUGUST	25	1010.02	OCTOBER	18
1019.84	JULY	3	1014.03	AUGUST	26	1009.75	OCTOBER	19
1019.72	JULY	4	1013.72	AUGUST	27	1009.45	OCTOBER	20
1019.74	JULY	5	1013.34	AUGUST	28	1009.22	OCTOBER	21
1019.62	JULY	6	1013.24	AUGUST	29	1008.88	OCTOBER	22
1019.49	JULY	7	1013.17	AUGUST	30	1008.62	OCTOBER	23
1019.35	JULY	8	1012.72	AUGUST	31	1008.49	OCTOBER	24
1019.15	JULY	9	1012.37	SEPTEMBER	1	1008.41	OCTOBER	25
1019.14	JULY	10	1012.00	SEPTEMBER	2	1008.28	OCTOBER	26
1019.05	JULY	11	1011.64	SEPTEMBER	3	1008.15	OCTOBER	27
1019.01	JULY	12	1011.30	SEPTEMBER	4	1008.01	OCTOBER	28
1018.99	JULY	13	1011.11	SEPTEMBER	5	1007.80	OCTOBER	29
1018.92	JULY	14	1010.85	SEPTEMBER	6	1007.62	OCTOBER	30
1018.89	JULY	15	1010.62	SEPTEMBER	7	1007.61	OCTOBER	31
1018.90	JULY	16	1010.52	SEPTEMBER	8	1007.57	NOVEMBER	1
1018.86	JULY	17	1010.48	SEPTEMBER	9	1007.41	NOVEMBER	2
1018.80	JULY	18	1010.39	SEPTEMBER	10	1007.41	NOVEMBER	3
1018.71	JULY	19	1010.31	SEPTEMBER	11	1007.32	NOVEMBER	4
1018.64	JULY	20	1010.29	SEPTEMBER	12	1007.22	NOVEMBER	5
1018.58	JULY	21	1010.23	SEPTEMBER	13	1007.08	NOVEMBER	6
1018.44	JULY	22	1010.13	SEPTEMBER	14	1006.86	NOVEMBER	7
1018.34	JULY	23	1009.97	SEPTEMBER	15	1006.66	NOVEMBER	8
1018.24	JULY	24	1009.88	SEPTEMBER	16	1006.35	NOVEMBER	9
1018.11	JULY	25	1009.83	SEPTEMBER	17	1006.11	NOVEMBER	10
1018.16	JULY	26	1009.76	SEPTEMBER	18	1005.88	NOVEMBER	11
1018.10	JULY	27	1009.67	SEPTEMBER	19	1005.80	NOVEMBER	12
1017.98	JULY	28	1009.65	SEPTEMBER	20	1005.72	NOVEMBER	13
1017.91	JULY	29	1009.63	SEPTEMBER	21	1005.65	NOVEMBER	14
1017.88	JULY	30	1009.59	SEPTEMBER	22	1005.36	NOVEMBER	15
1017.90	JULY	31	1009.55	SEPTEMBER	23	1005.21	NOVEMBER	16
1017.99	AUGUST	1	1009.50	SEPTEMBER	24	1005.09	NOVEMBER	17
1018.09	AUGUST	2	1009.43	SEPTEMBER	25	1004.97	NOVEMBER	18
1018.09	AUGUST	3	1010.17	SEPTEMBER	26	1004.86	NOVEMBER	19
1018.19	AUGUST	4	1011.03	SEPTEMBER	27	1004.69	NOVEMBER	20

Table 24. Norris Reservoir water levels for 2009. (TVA)

ELEVATION	MONTH	DAY
1004.44	NOVEMBER	21
1004.19	NOVEMBER	22
1003.80	NOVEMBER	23
1003.45	NOVEMBER	24
1003.11	NOVEMBER	25
1002.71	NOVEMBER	26
1002.35	NOVEMBER	27
1002.24	NOVEMBER	28
1002.03	NOVEMBER	29
1001.84	NOVEMBER	30
1001.53	DECEMBER	1
1001.33	DECEMBER	2
1001.17	DECEMBER	3
1000.99	DECEMBER	4
1001.08	DECEMBER	5
1001.09	DECEMBER	6
1000.94	DECEMBER	7
1001.08	DECEMBER	8
1003.29	DECEMBER	9
1005.10	DECEMBER	10
1005.86	DECEMBER	11
1005.92	DECEMBER	12
1006.37	DECEMBER	13
1006.82	DECEMBER	14
1007.03	DECEMBER	15
1006.89	DECEMBER	16
1006.56	DECEMBER	17
1006.36	DECEMBER	18
1006.23	DECEMBER	19
1006.12	DECEMBER	20
1005.89	DECEMBER	21
1005.60	DECEMBER	22
1005.22	DECEMBER	23
1004.86	DECEMBER	24
1004.73	DECEMBER	25
1005.10	DECEMBER	26
1005.59	DECEMBER	27
1005.59	DECEMBER	28
1005.33	DECEMBER	29
1004.95	DECEMBER	30
1004.50	DECEMBER	31

Table 25. Norris Reservoir fish habitat enhancement summary for 2009.

	NEW SITES			RENOVATED SITES			EXPANDED SITES		
LOCATION	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES
CRM 98.80 L*				1	300	6.00			
CRM 90.15 L*				1	50	1.00			
CRM 89.90 L*				1	50	1.00			
CRM 90.02 L*				1	50	1.00			
CRM 89.30 L*				1	200	4.00			
PRM 0.25 R*				1	50	1.00			
CRM 91.00 L*				1	750	15.00			
				7	1450	29.00			

*Christmas trees with cable drives

Table 26. Length range and weighted mean length by age of striped bass from TWRA's 2009 Norris winter gill net sample.

AGE	Minimum length at capture	Weighted mean length at capture	Maximum length at capture	N
2	12.0	**17.3**	20.0	30
3	19.9	**22.0**	24.2	16
4	23.6	**26.3**	28.1	4
5	25.4	**26.8**	29.1	10
6				
7				
8				
9	34.3	**34.3**	34.3	1

Table 27. Length range and weighted mean length by age of walleye from TWRA's Norris Reservoir 2009 winter gill net sample.

AGE	Minimum length at capture	Weighted mean length at capture	Maximum length at capture	N
1	12.2	**12.8**	13.2	3
2	13.9	**16.5**	18.1	40
3	16.3	**18.9**	21.1	69
4	18.0	**19.6**	21.9	21
5	18.2	**19.6**	21.7	21
6	19.7	**20.9**	23.6	10
7	20.5	**21.8**	24.4	5
8	18.9	**20.3**	21.5	6
9	19.2	**19.2**	19.2	2

Table 28. Length range and weighted mean length by age of sauger from TWRA's Norris Reservoir 2009 winter gill net sample.

AGE	Minimum length at capture	Weighted mean length at capture	Maximum length at capture	N
3	13.5	**16.1**	17.7	11
4	17.1	**17.1**	17.1	1
5				0
6	18.0	**18.6**	19.2	2

Figures

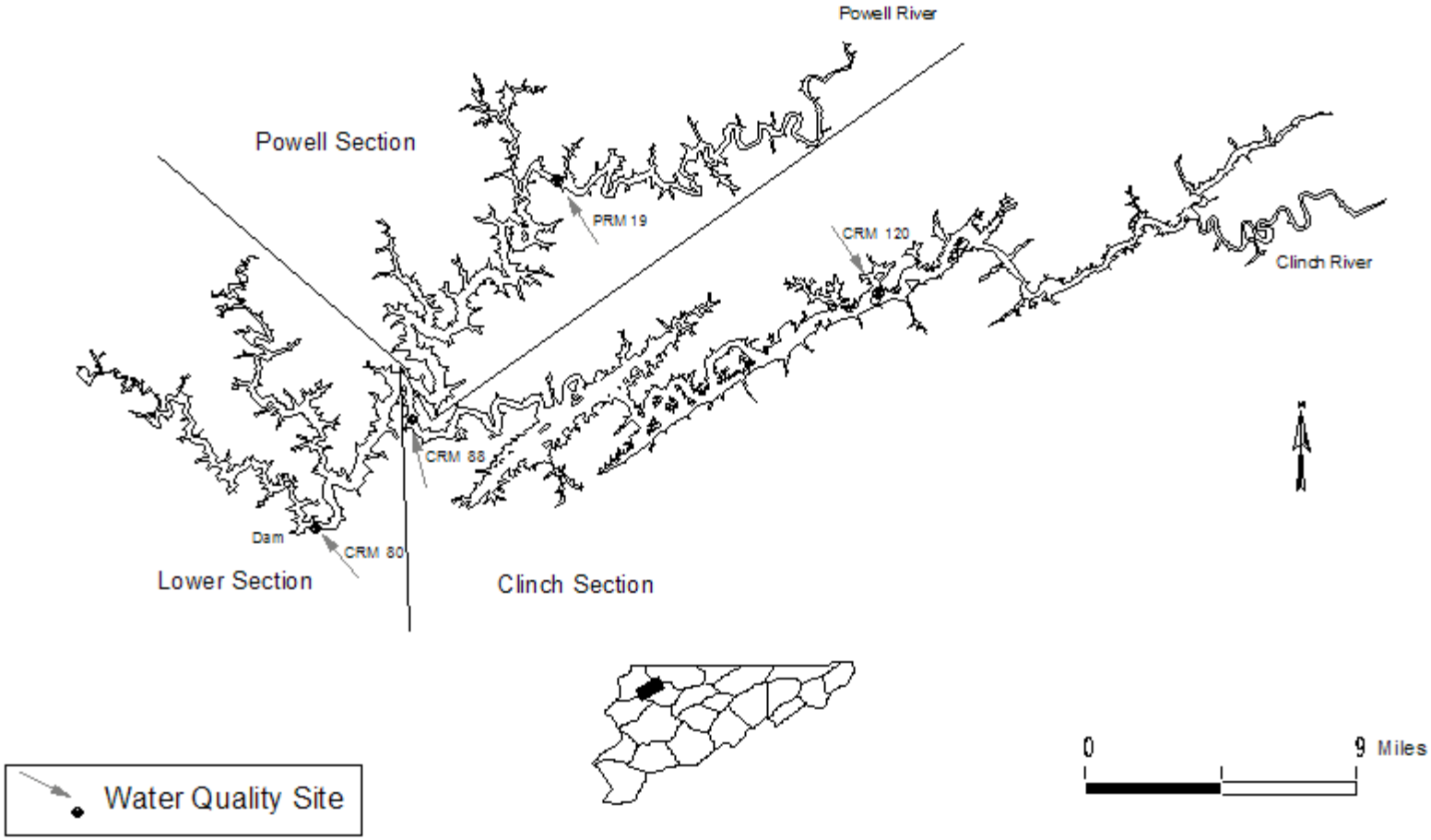


Figure 1. Water quality sites and the Clinch, Powell and lower section boundaries of Norris Reservoir in 2009.

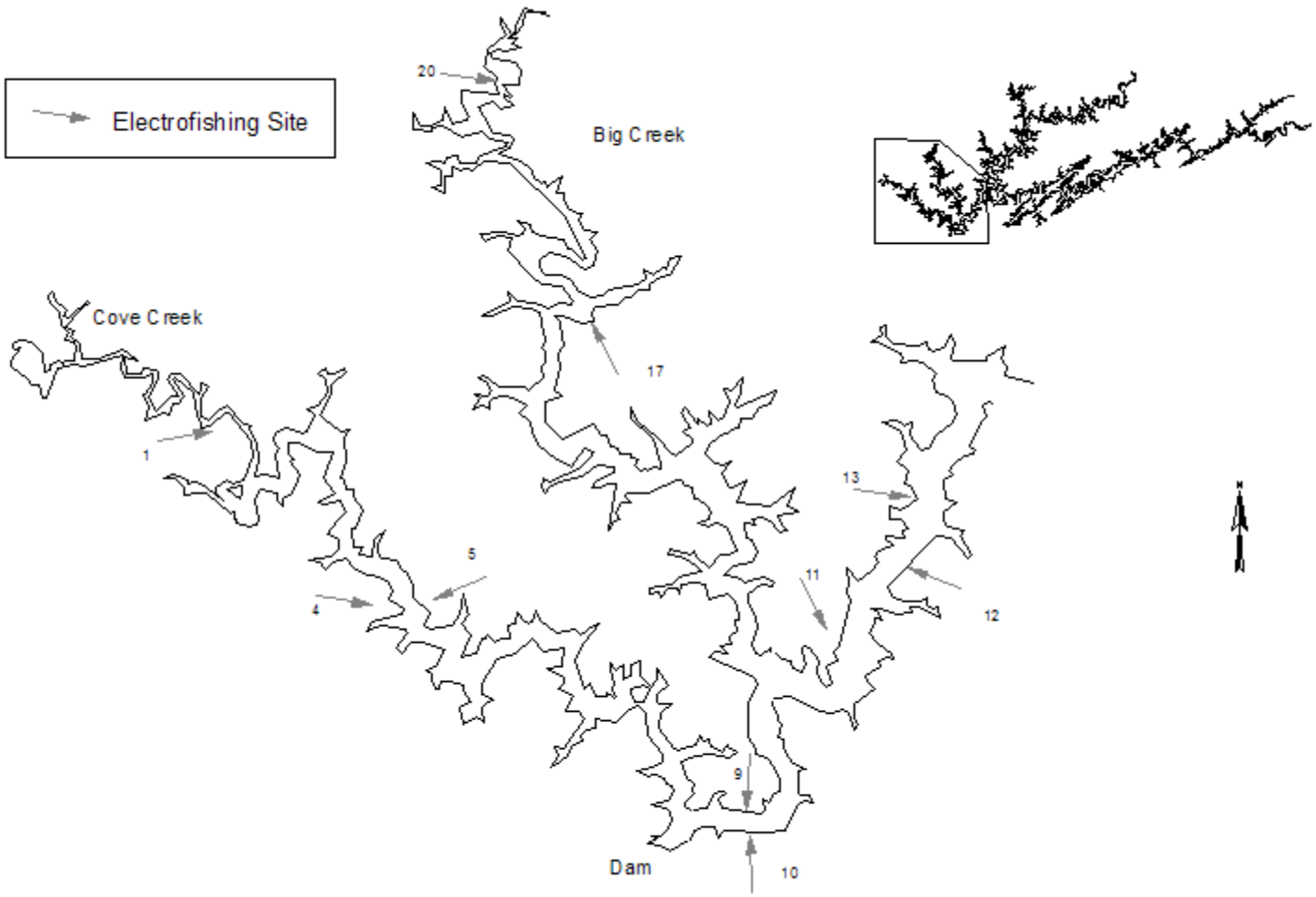


Figure 2. Electrofishing sites in the lower section of Norris Reservoir in 2009

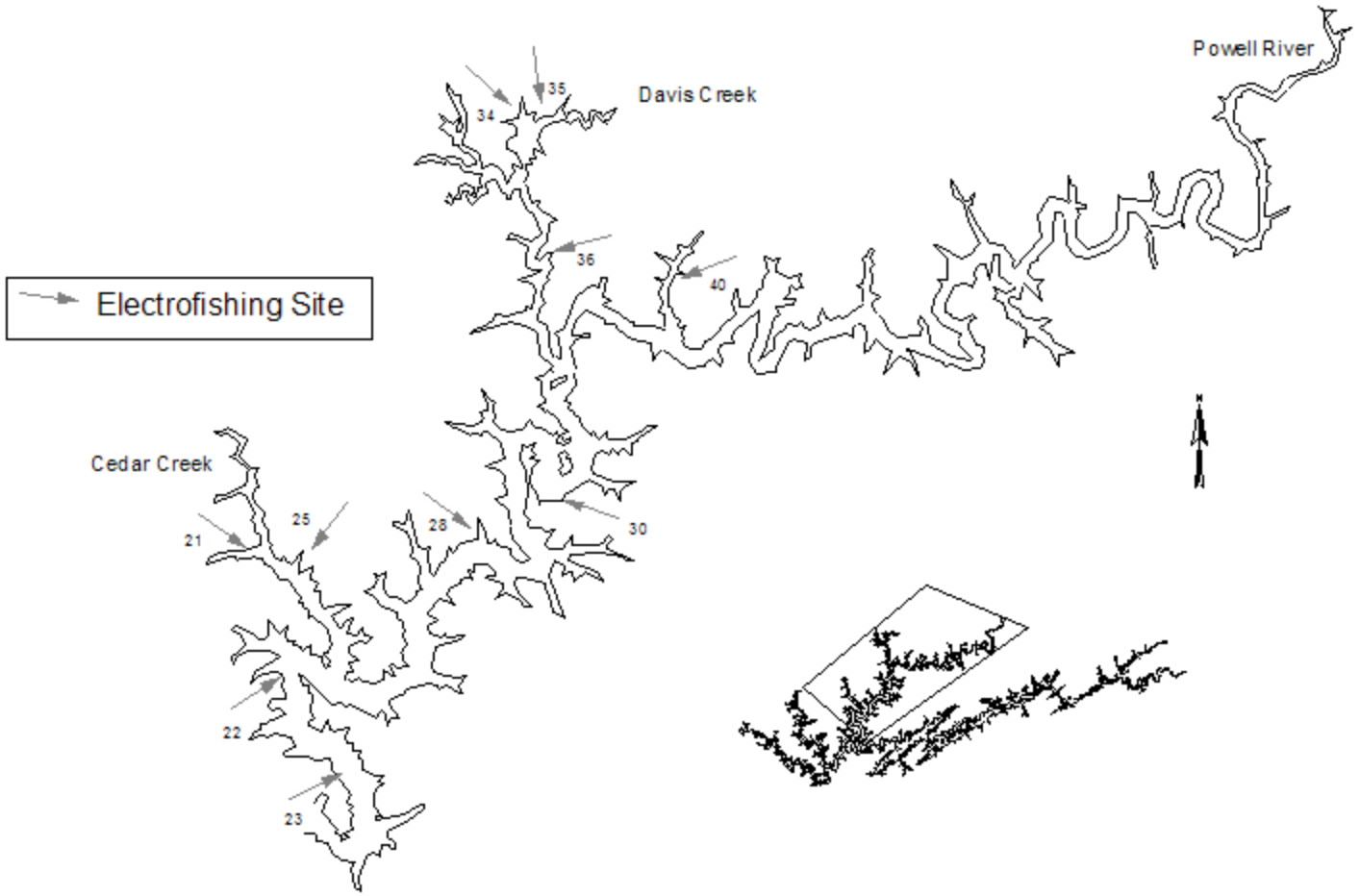


Figure 3. Electrofishing sites in the Powell section of Norris Reservoir in 2009.

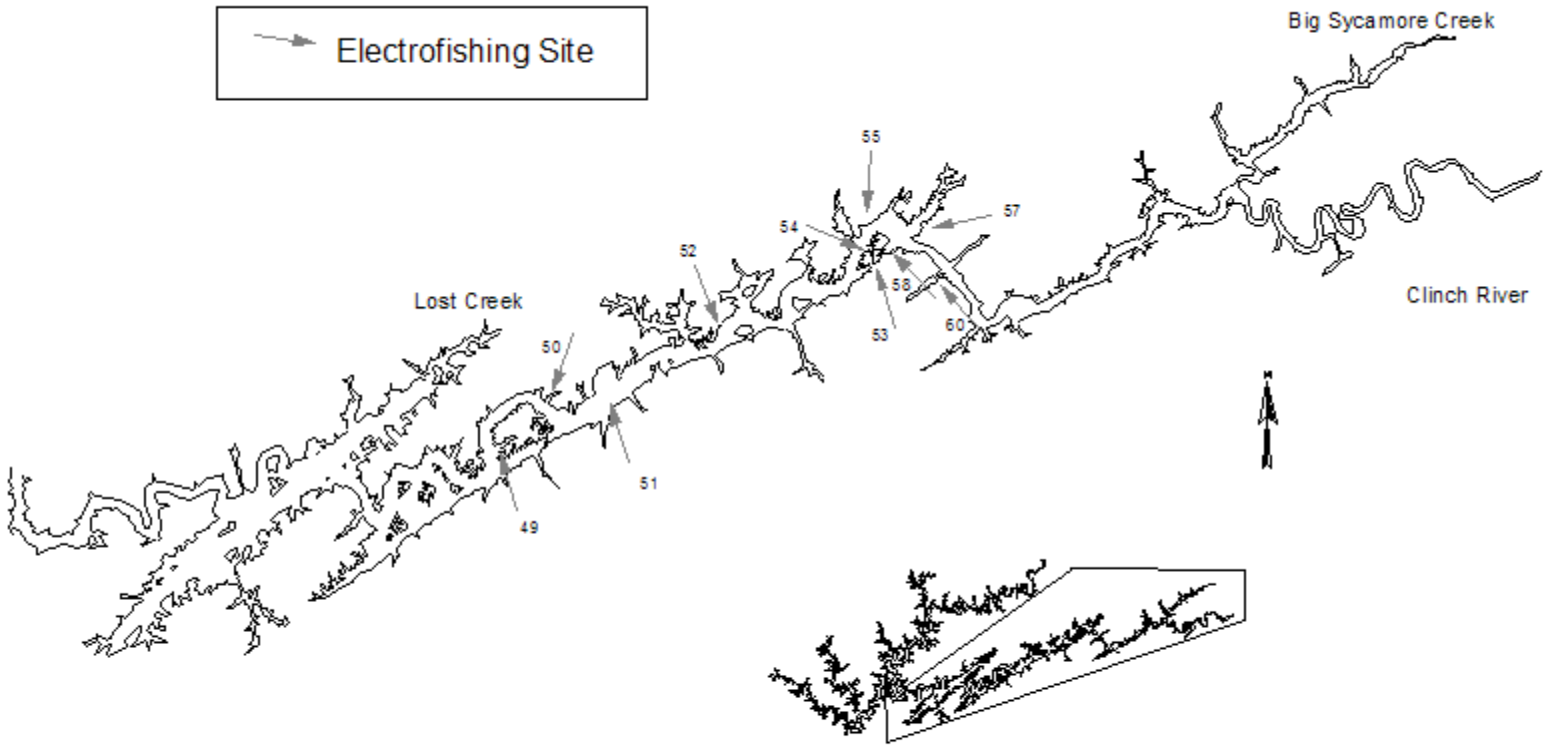


Figure 4. Electrofishing sites in the Clinch section of Norris Reservoir in 2009.

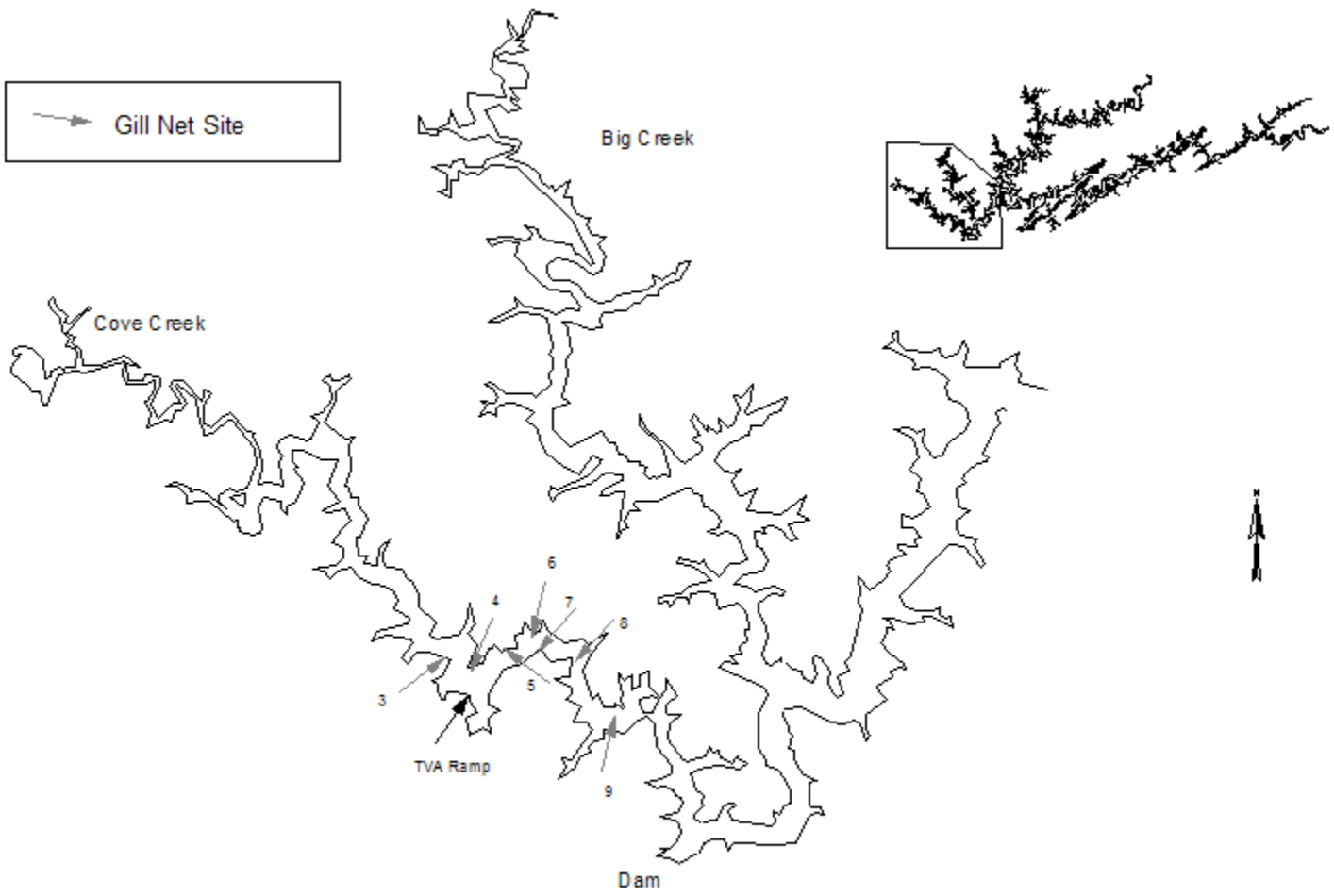


Figure 5. Gill net sites in the Cove Creek area of Norris Reservoir in 2009

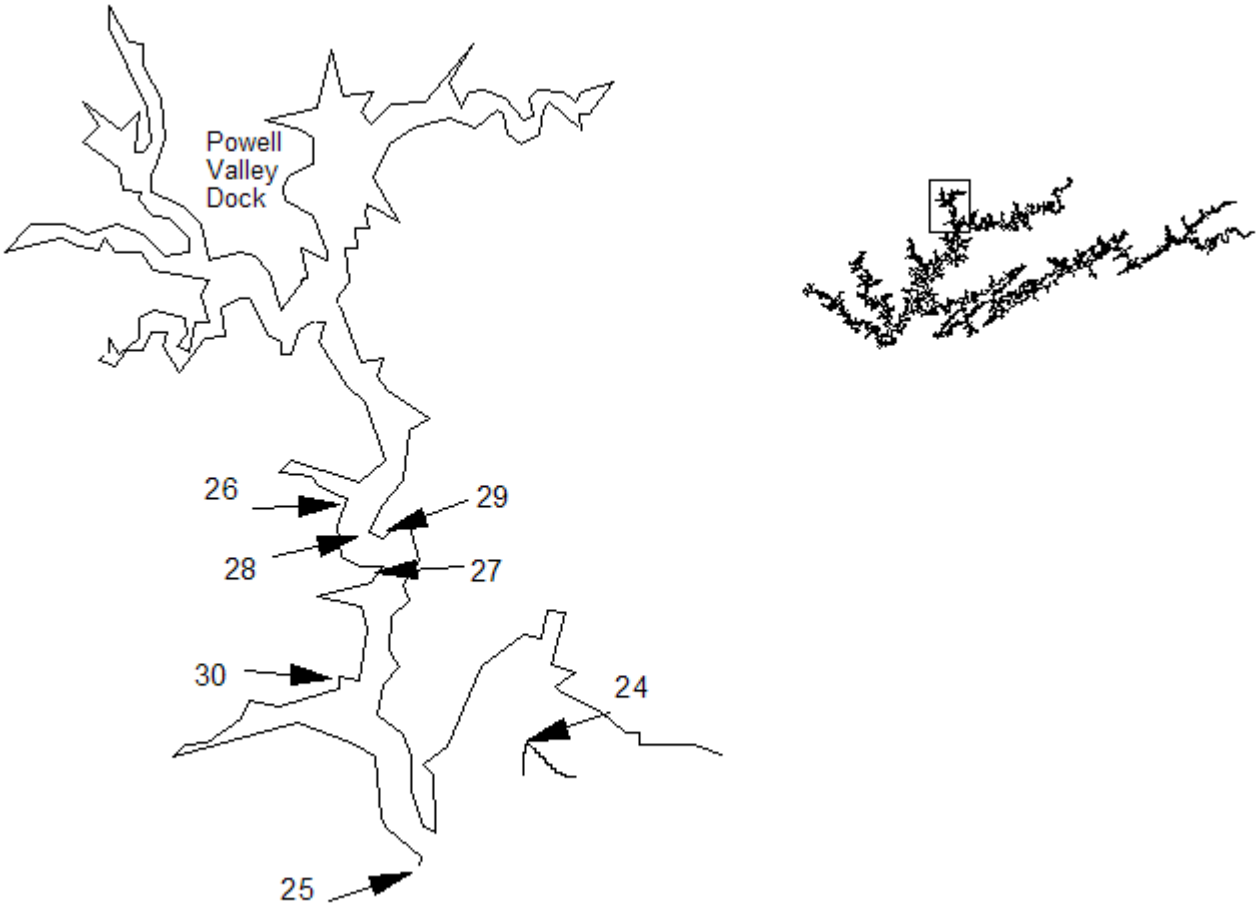


Figure 6. Winter gill net sites in the Davis Creek area of Norris Reservoir in 2009.

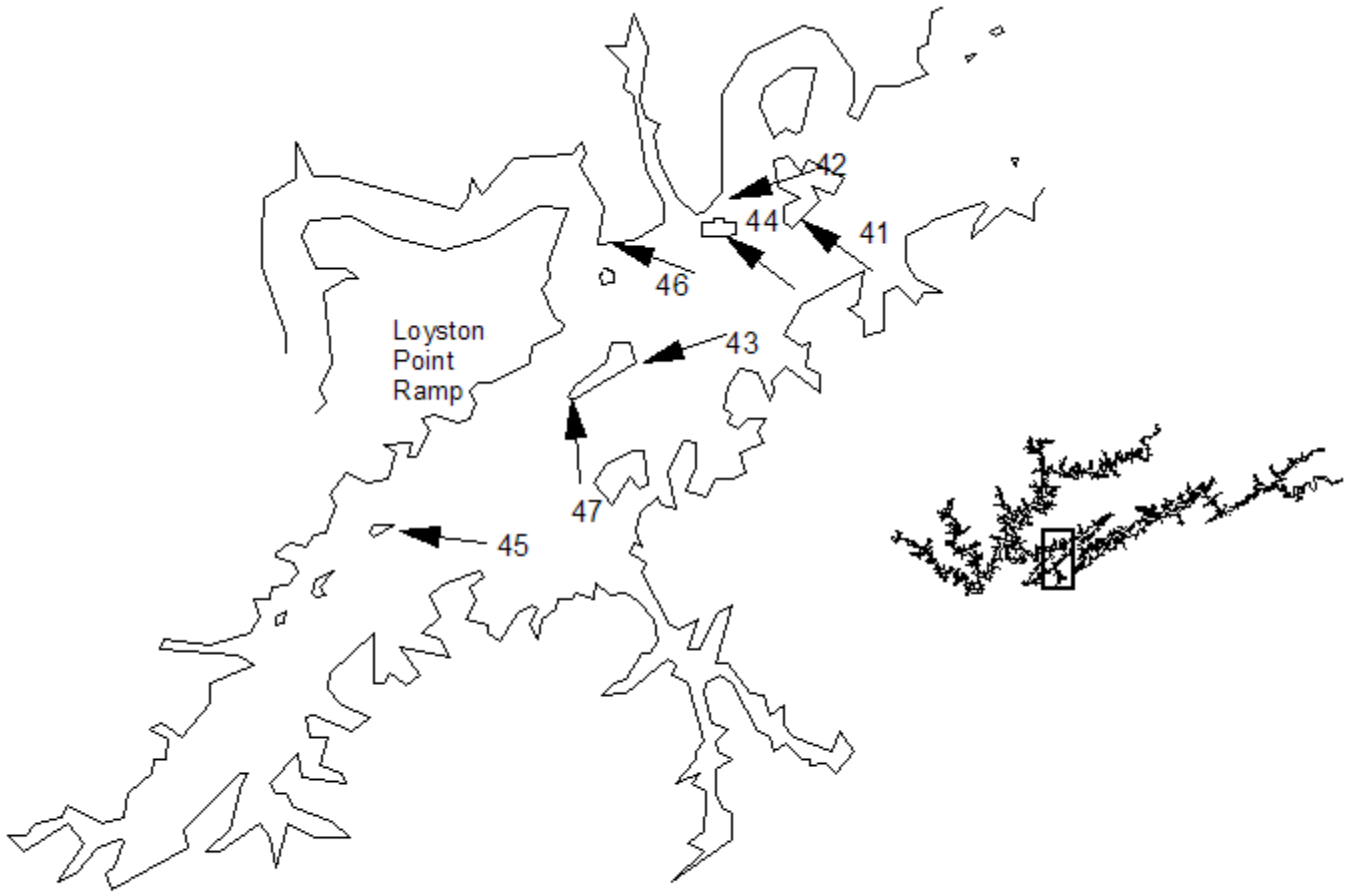


Figure 7. Winter gill net sites in the Loyston Sea area of Norris Reservoir in 2009.

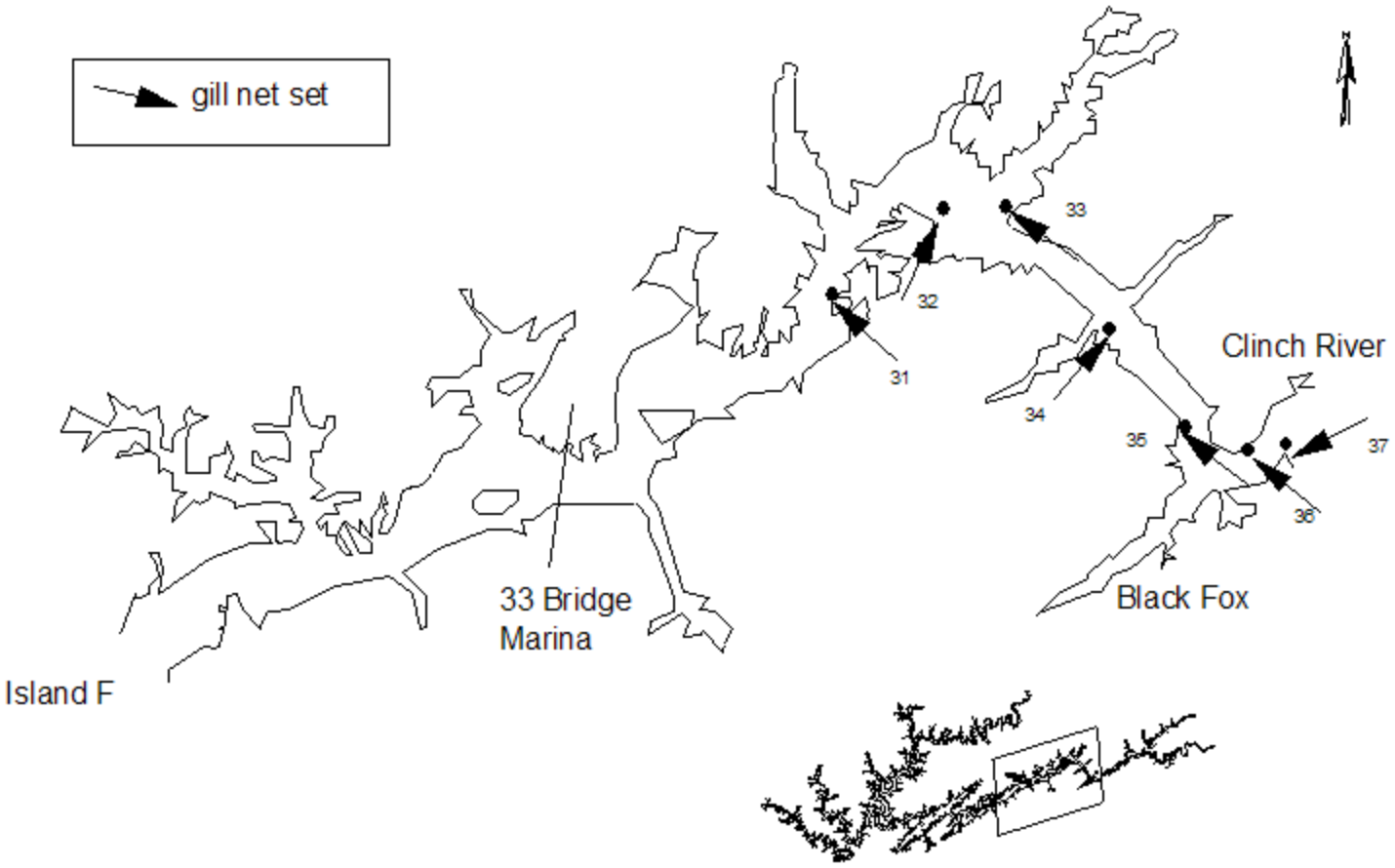


Figure 8. Winter gill sites on the Clinch River Arm of Norris in 2009.

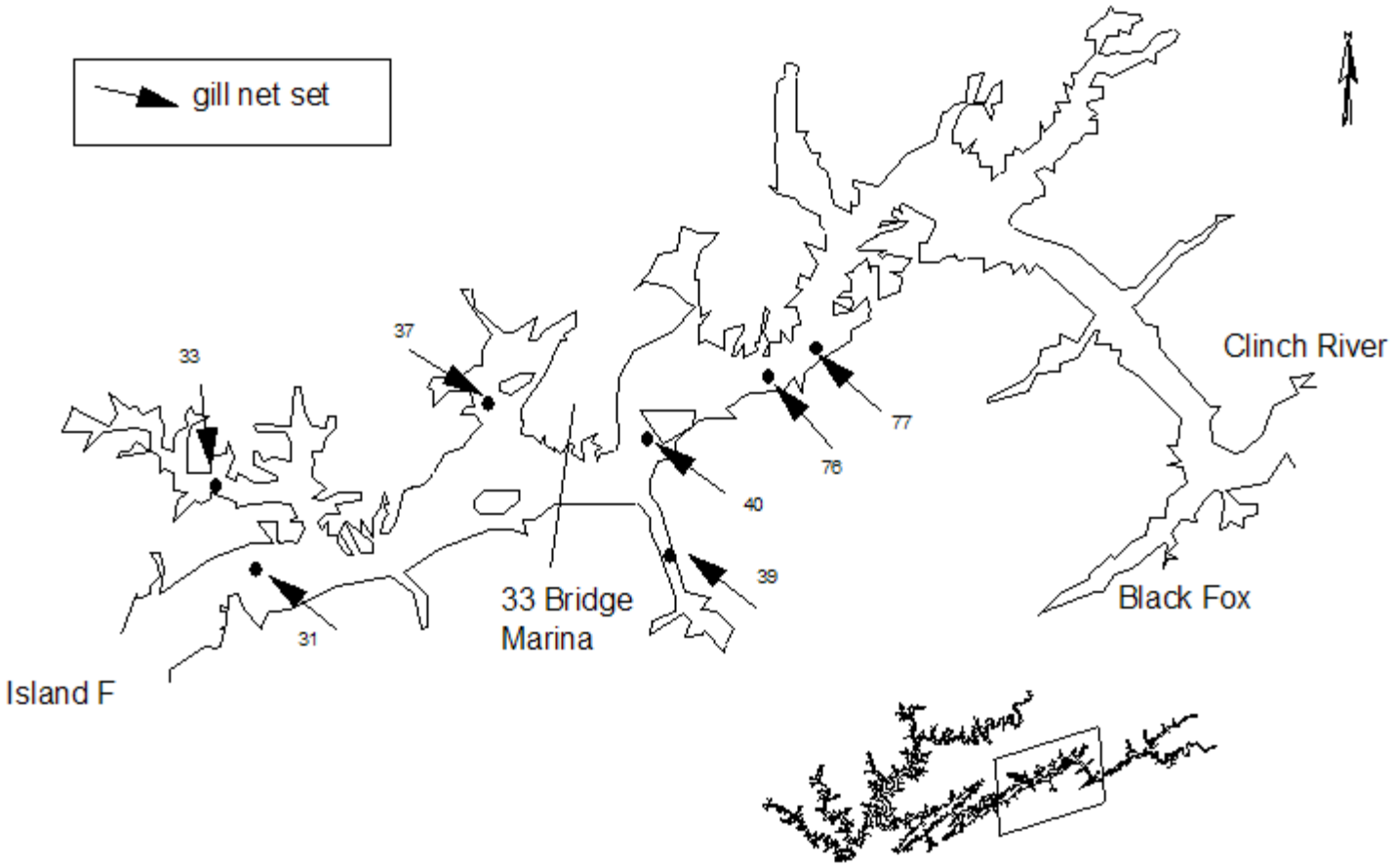


Figure 9. Summer shad gill net sites in the Clinch section of Norris Reservoir in 2009.

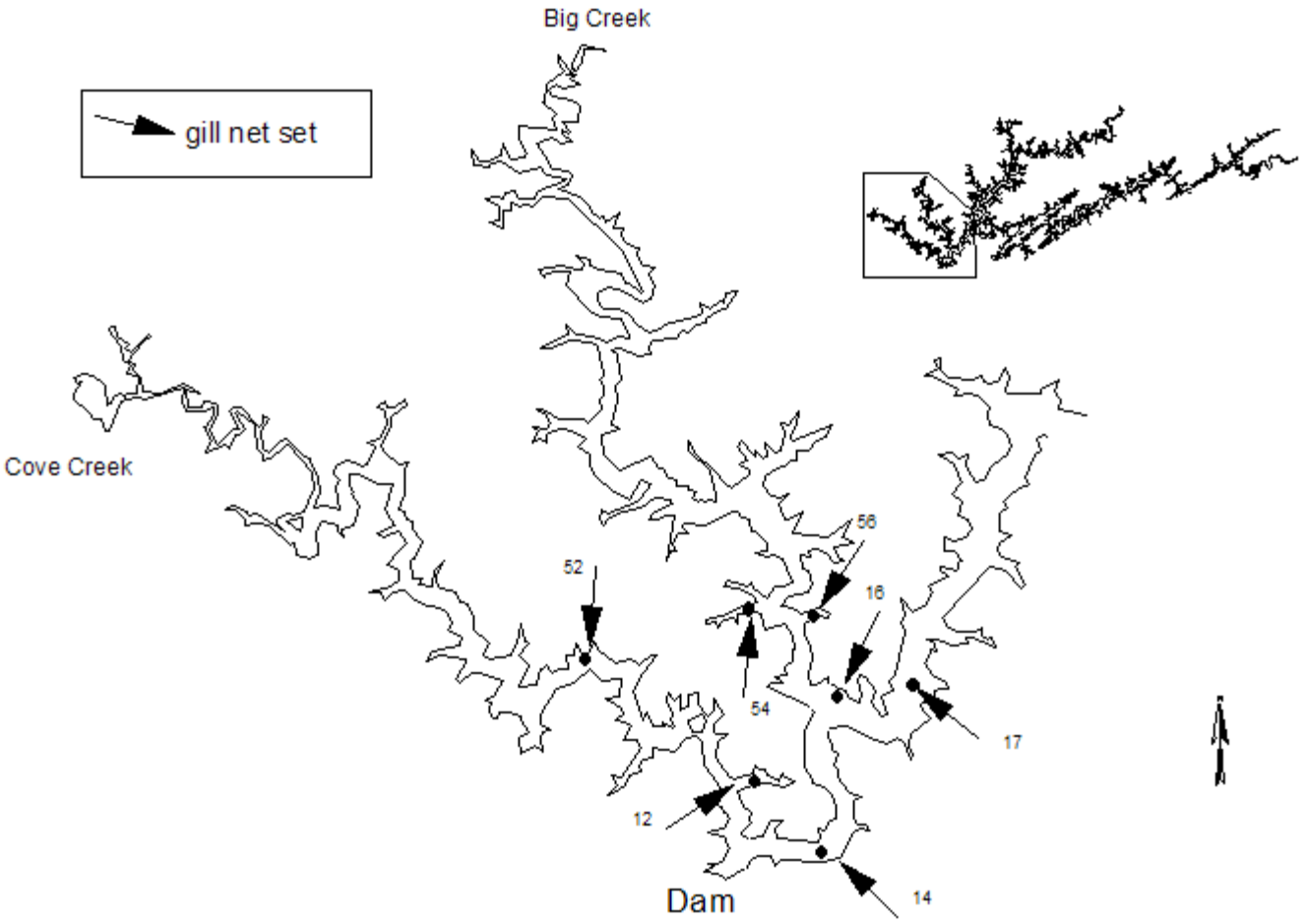


Figure 10. Summer shad gill net sites in the lower section of Norris Reservoir in 2009.

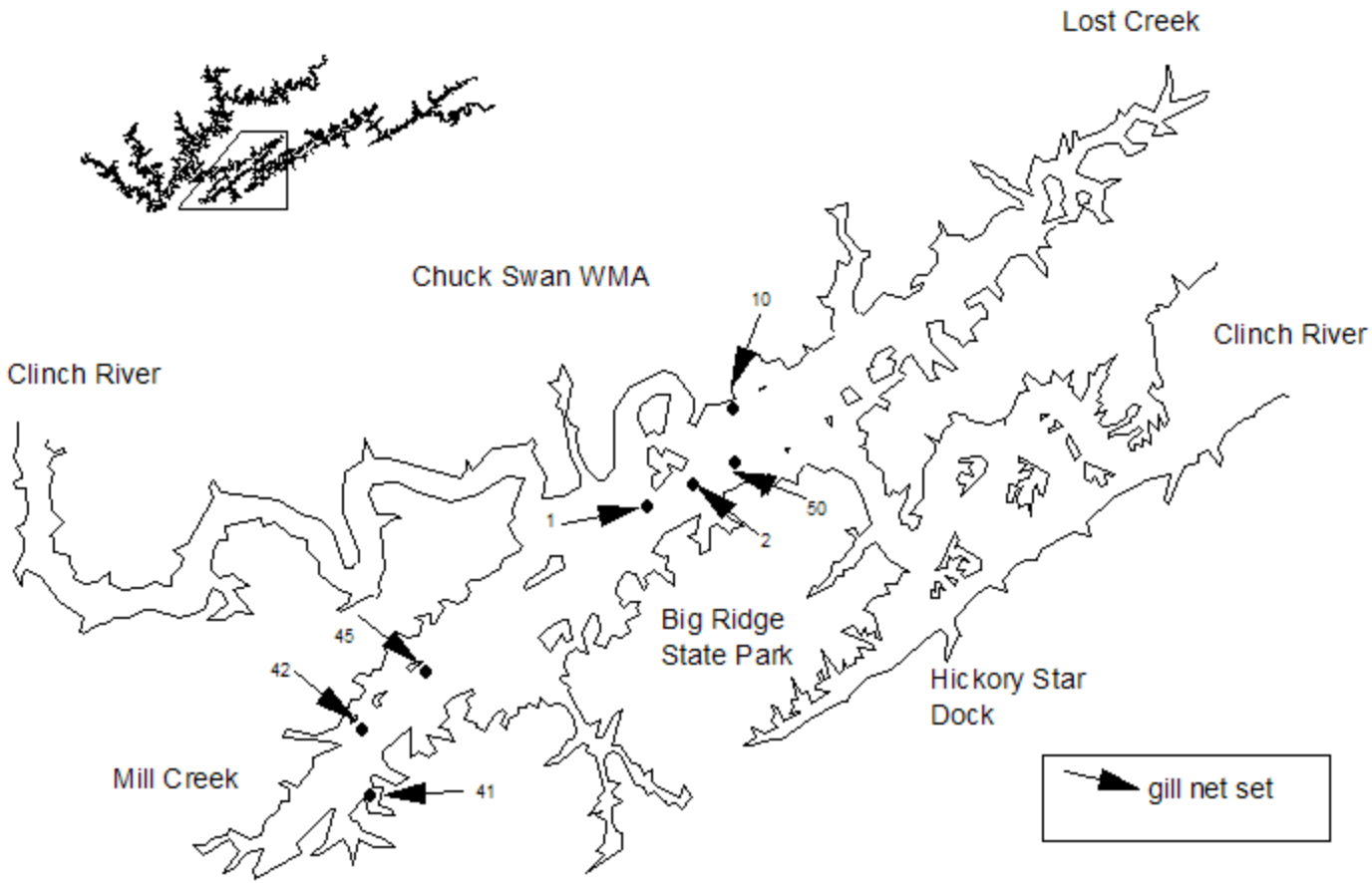


Figure 11. Summer shad gill net sites in the Loyston Sea area of Norris Reservoir in 2009.

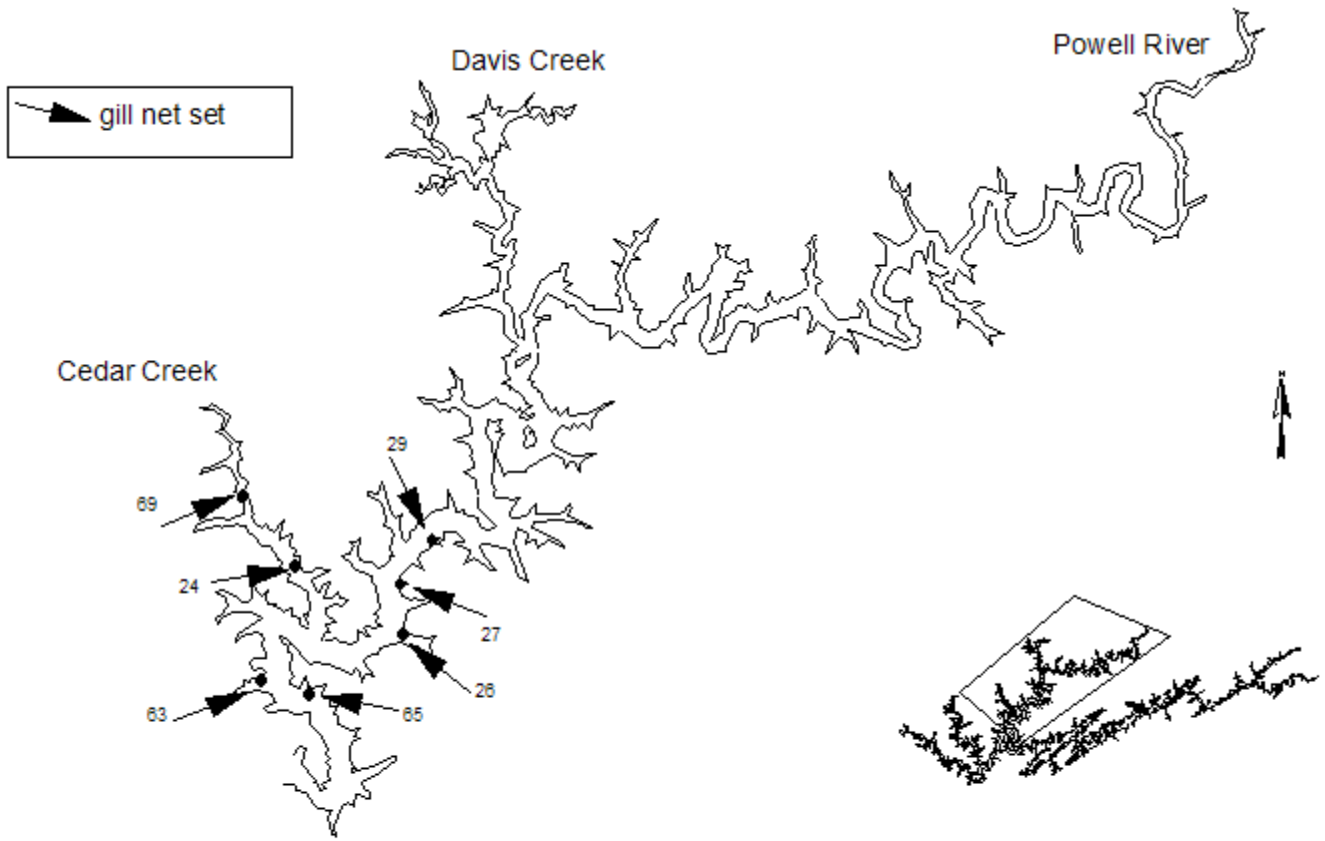


Figure 12. Summer shad gill net sites in the Powell Arm of Norris Reservoir in 2009.

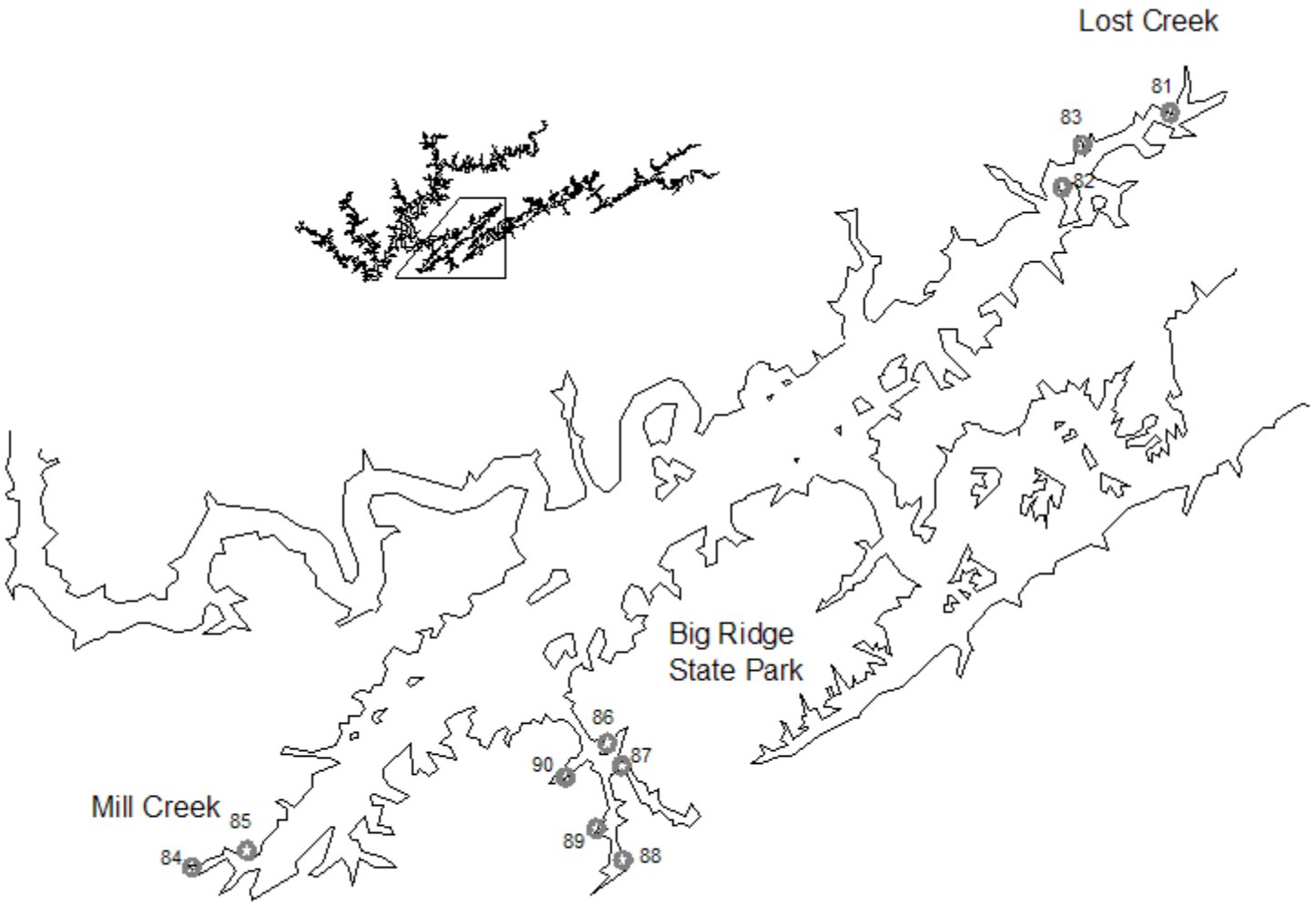


Figure 13. Trap net sites in the Loyston Sea area of Norris Reservoir in 2009.

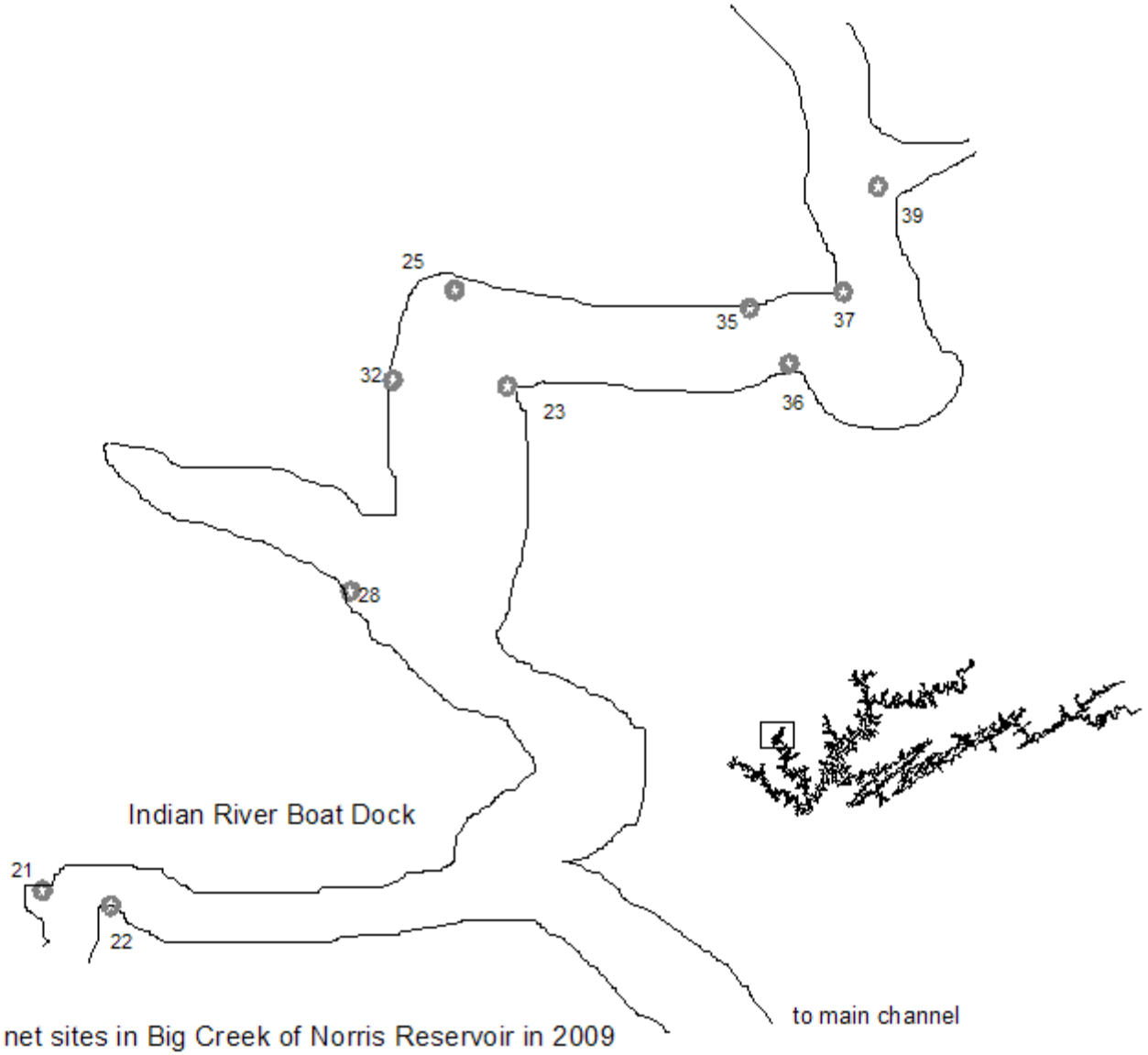


Figure 14. Trap net sites in Big Creek of Norris Reservoir in 2009

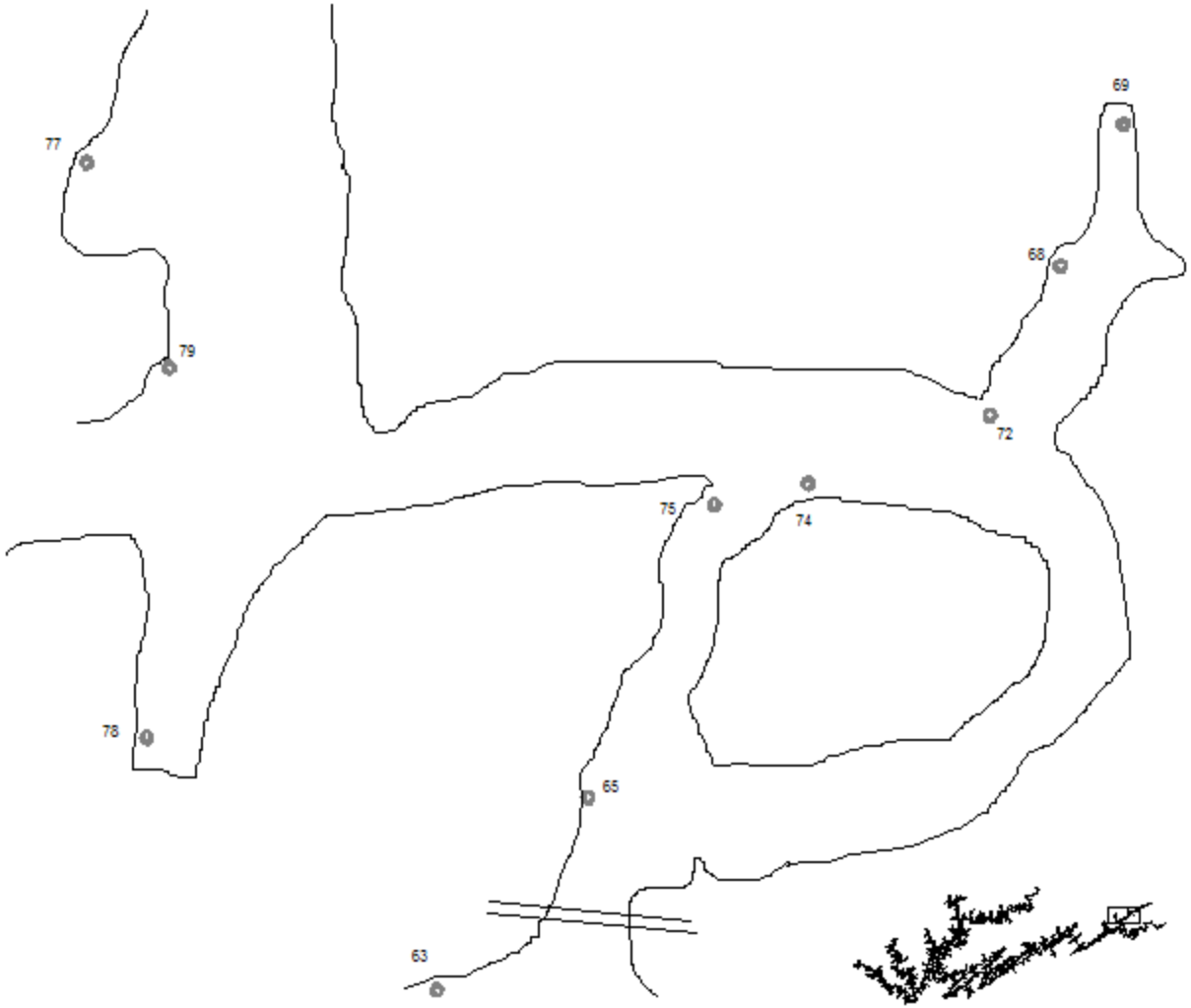


Figure 15. Trap net sites in the Big Sycamore Creek area of Norris Reservoir in 2009.

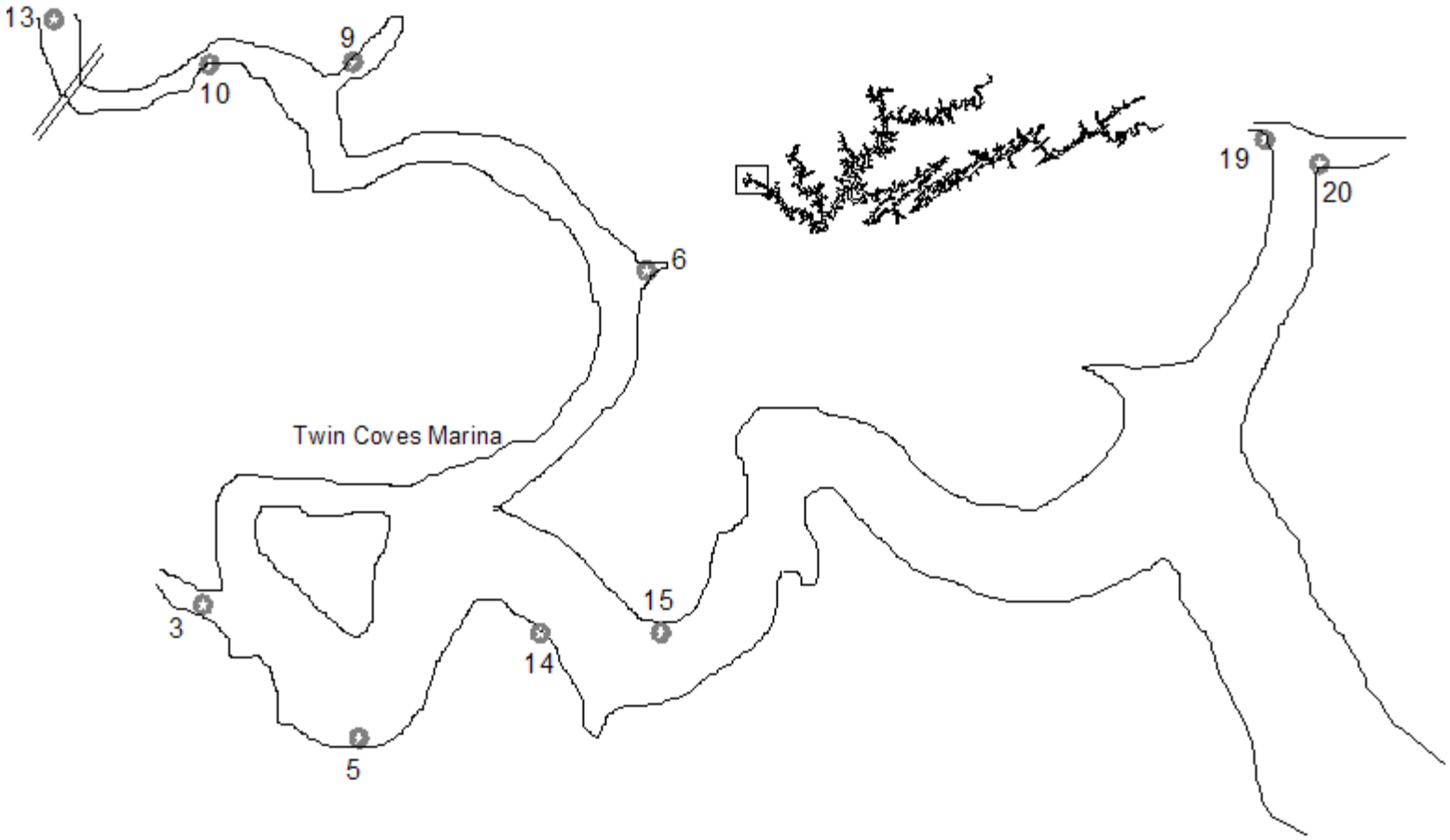


Figure 16. Trap net sites in the Cove Creek area of Norris Reservoir in 2009.

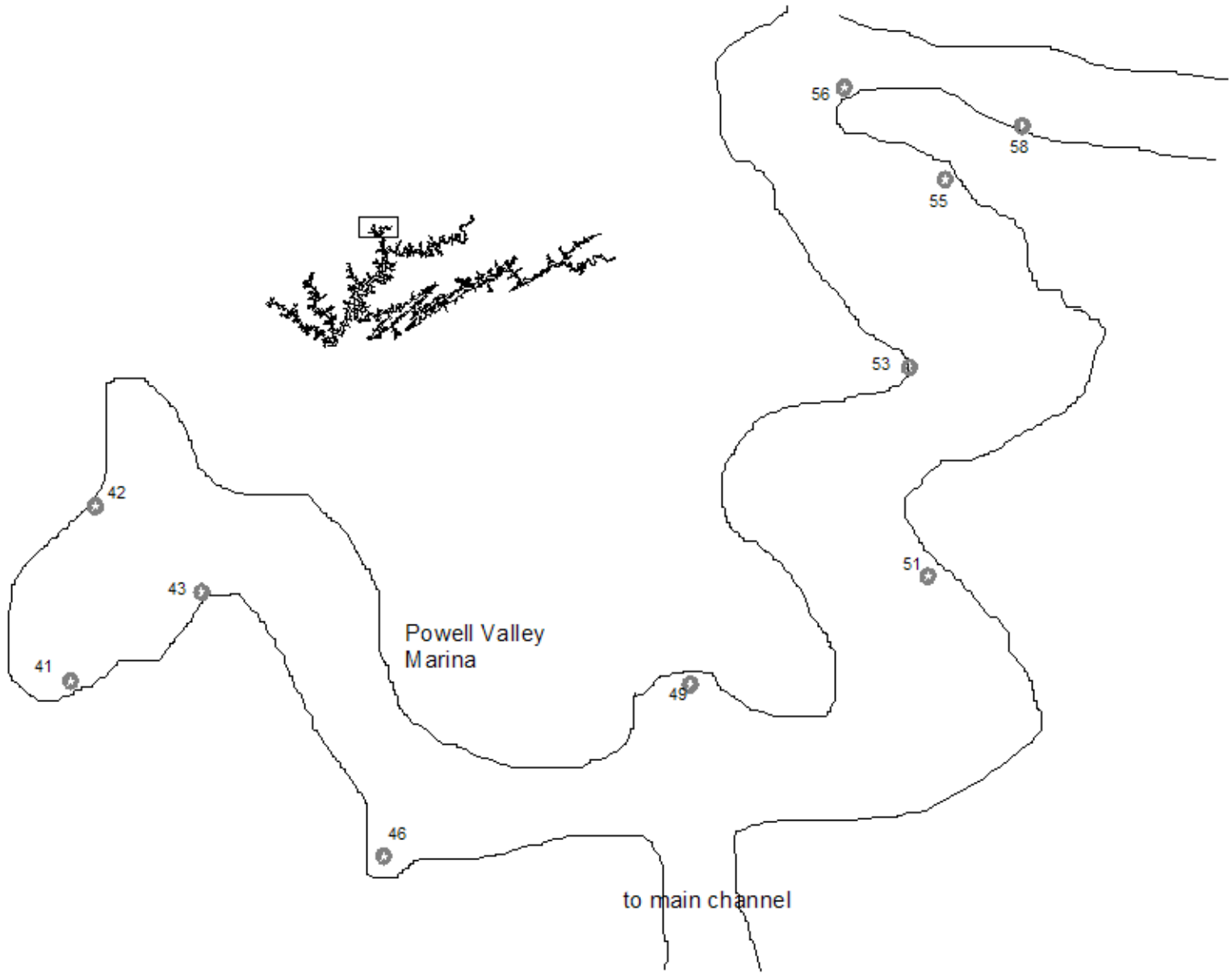


Figure 17. Trap net sites in the Davis Creek area of Norris Reservoir in 2009.

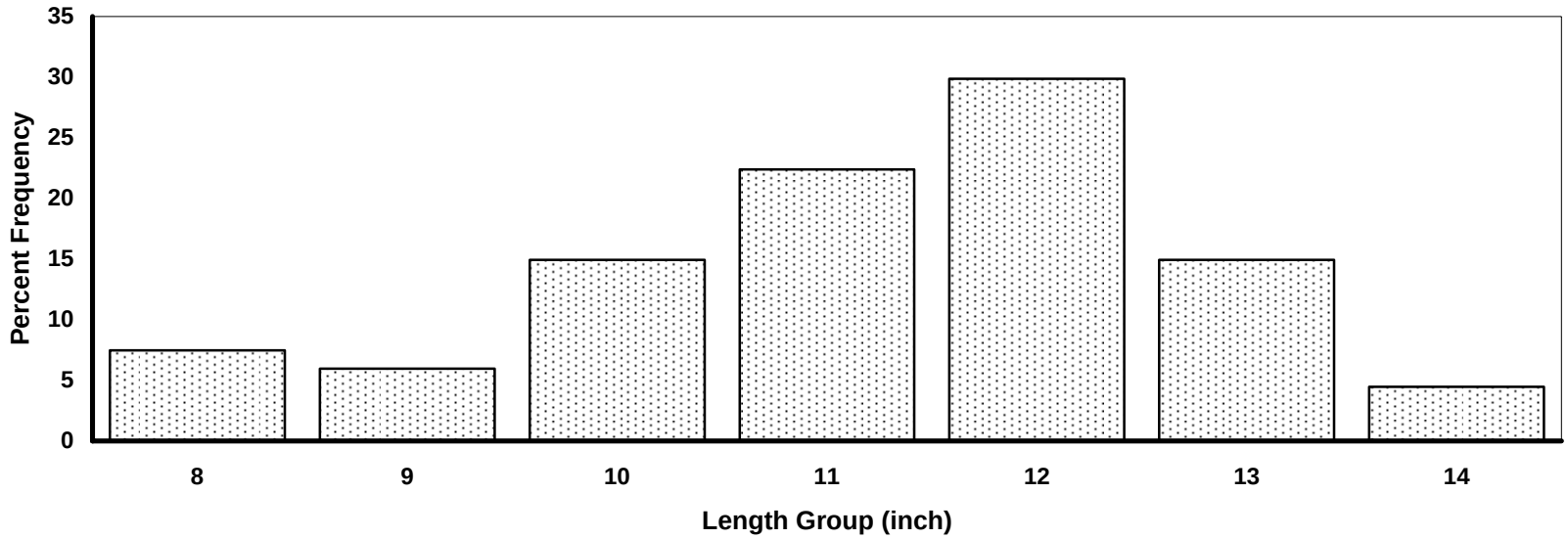


Figure 18. Norris Reservoir black crappie length frequency by percent for the 2009 electrofishing sample (n=67).

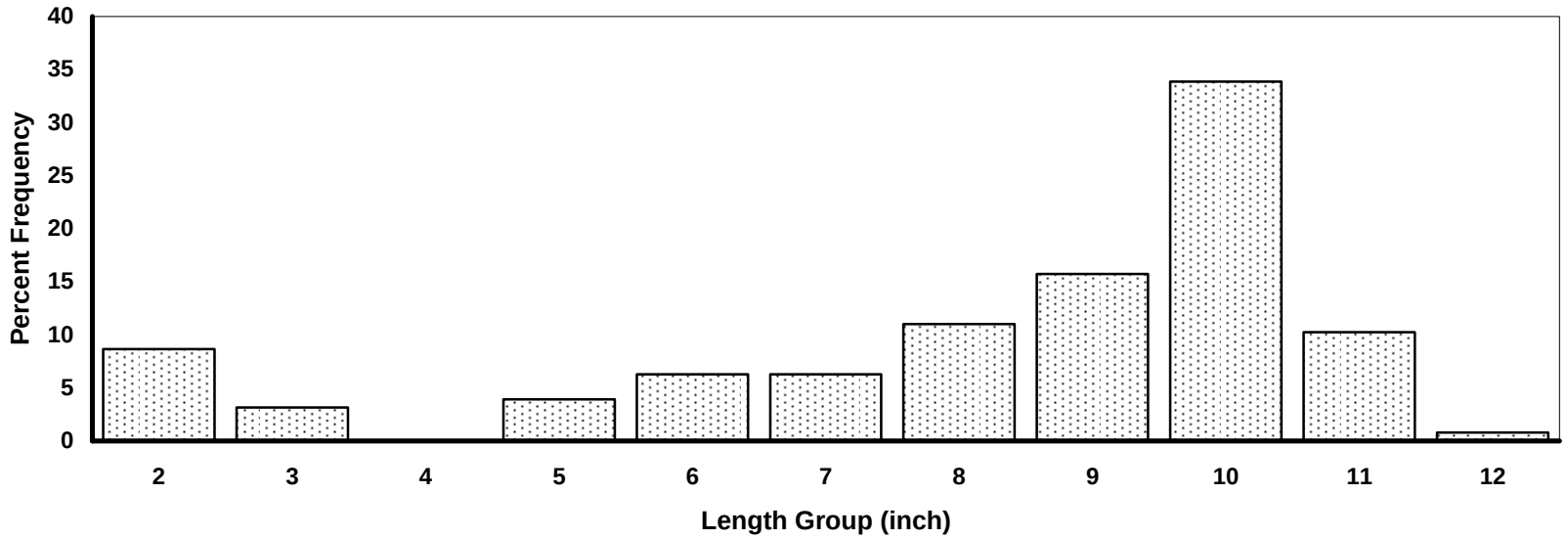


Figure 19. Norris Reservoir black crappie length frequency by percent for the 2009 trap net sample (n=127).

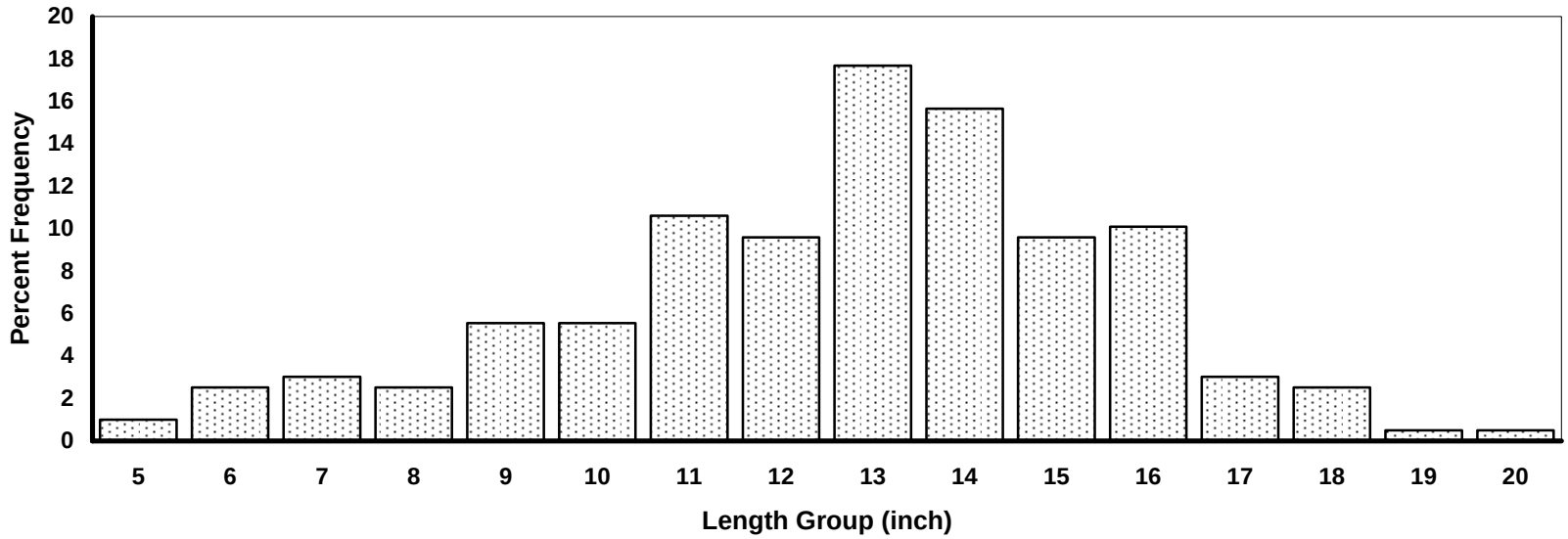


Figure 20. Norris Reservoir largemouth bass length frequency by percent for the 2009 electrofishing sample (n=198).

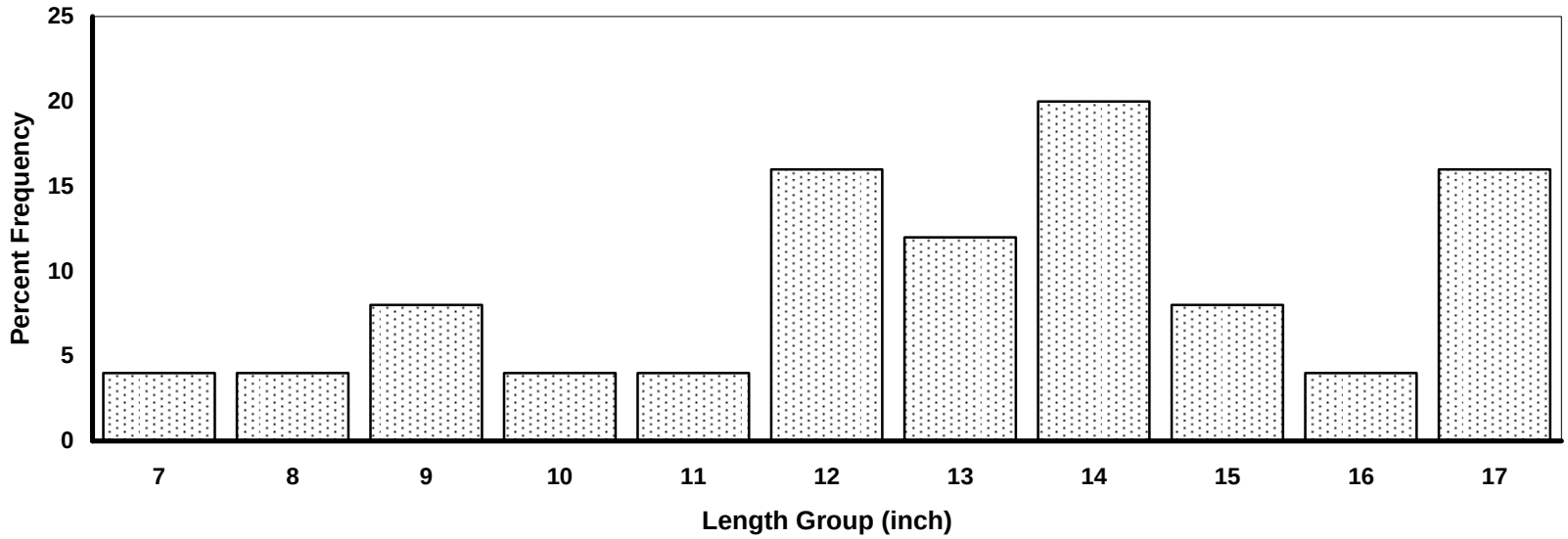


Figure 21. Norris Reservoir smallmouth bass length frequency by percent for the 2009 electrofishing sample (n=25).

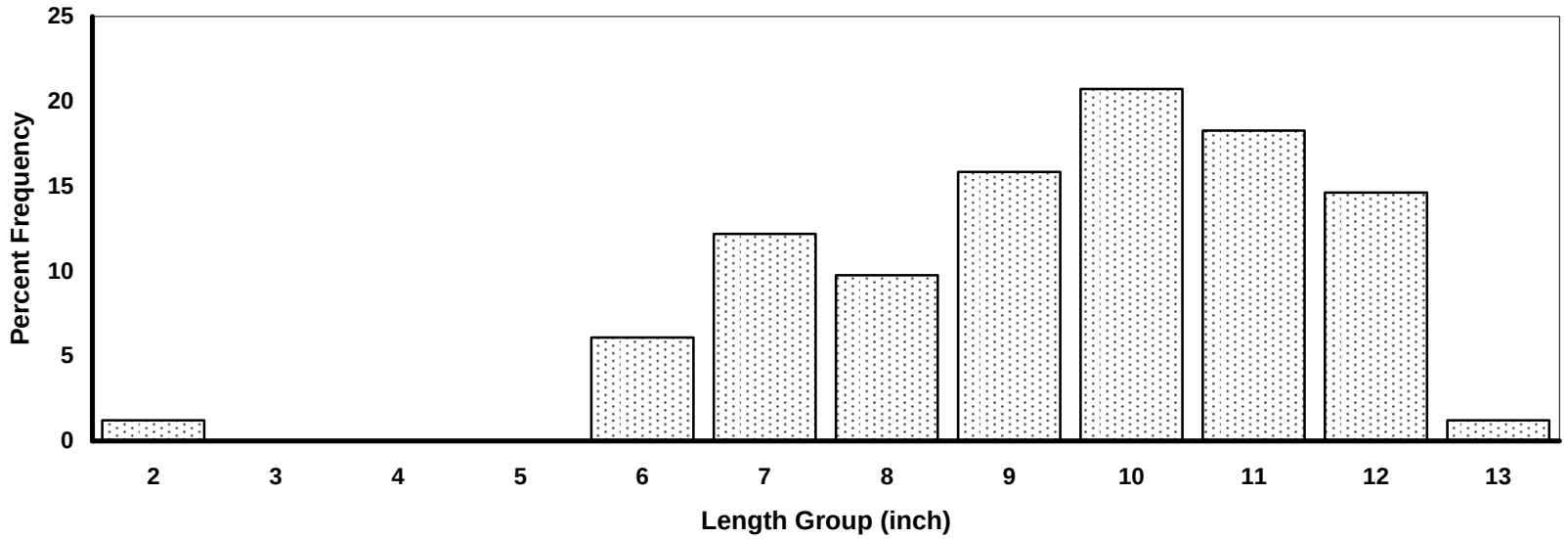


Figure 22. Norris Reservoir spotted bass length frequency by percent for the 2009 electrofishing sample (n=82).

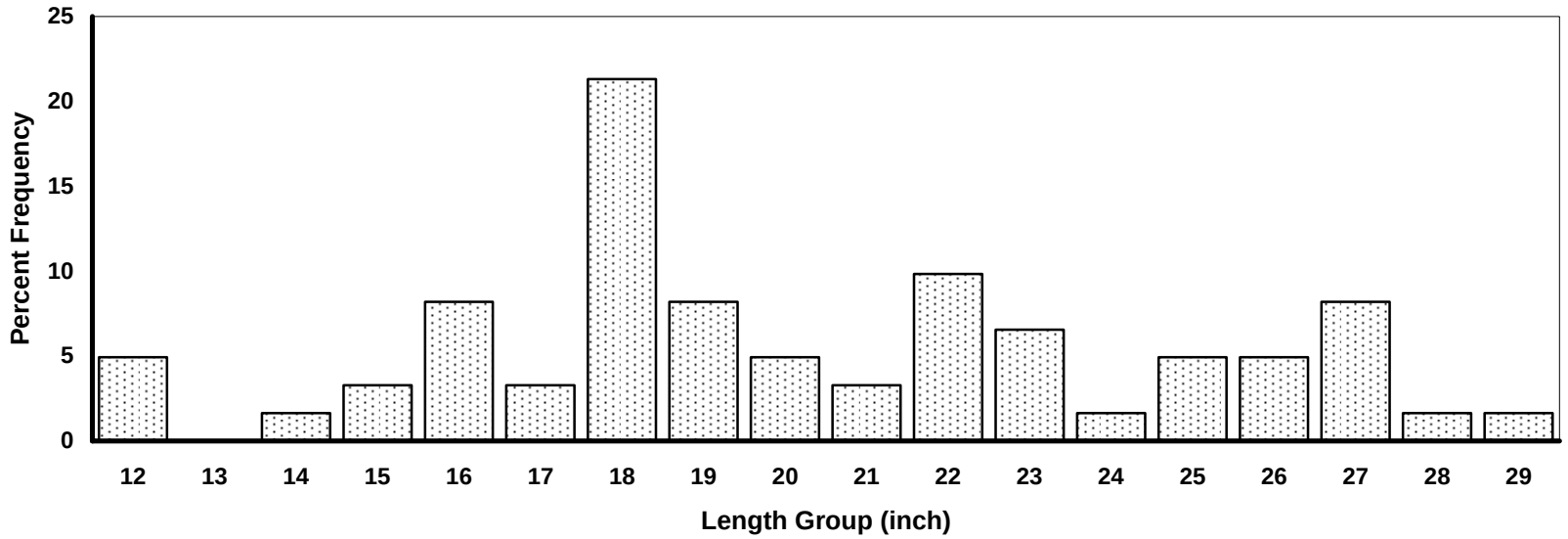


Figure 23. Norris Reservoir striped bass length frequency by percent for the 2009 winter gill net sample (n=60).

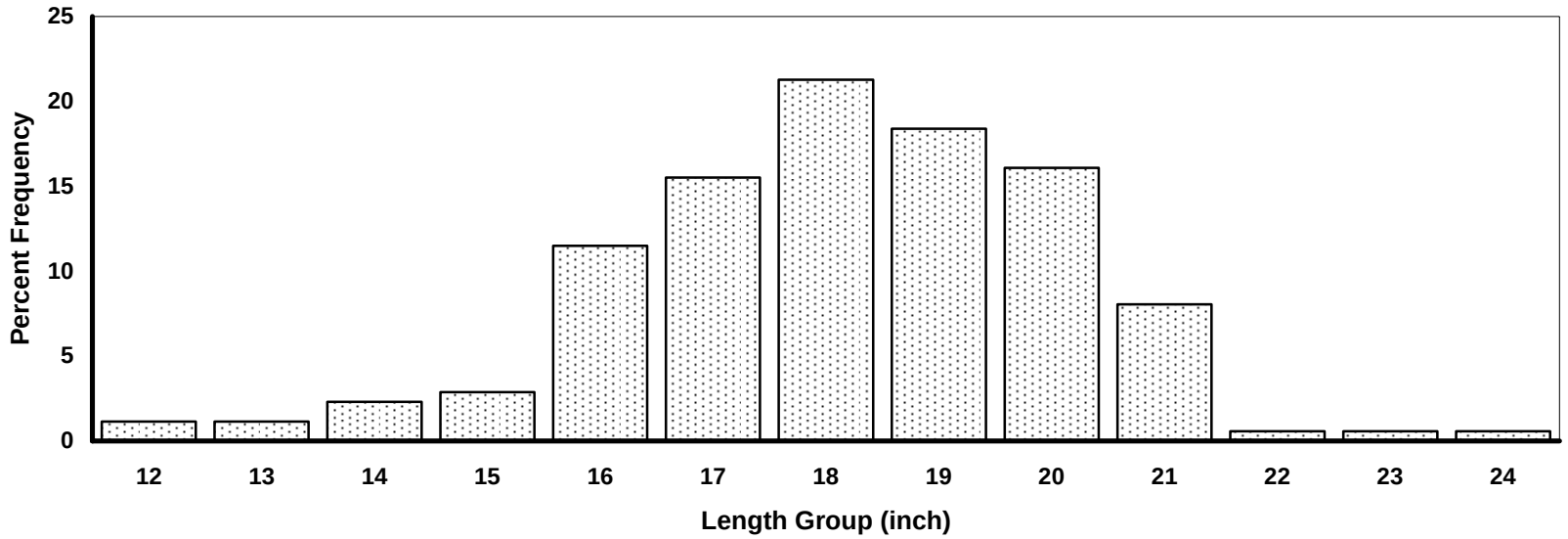


Figure 24. Norris Reservoir walleye length frequency by percent for TWRA's 2009 winter gill net sample (n=174).

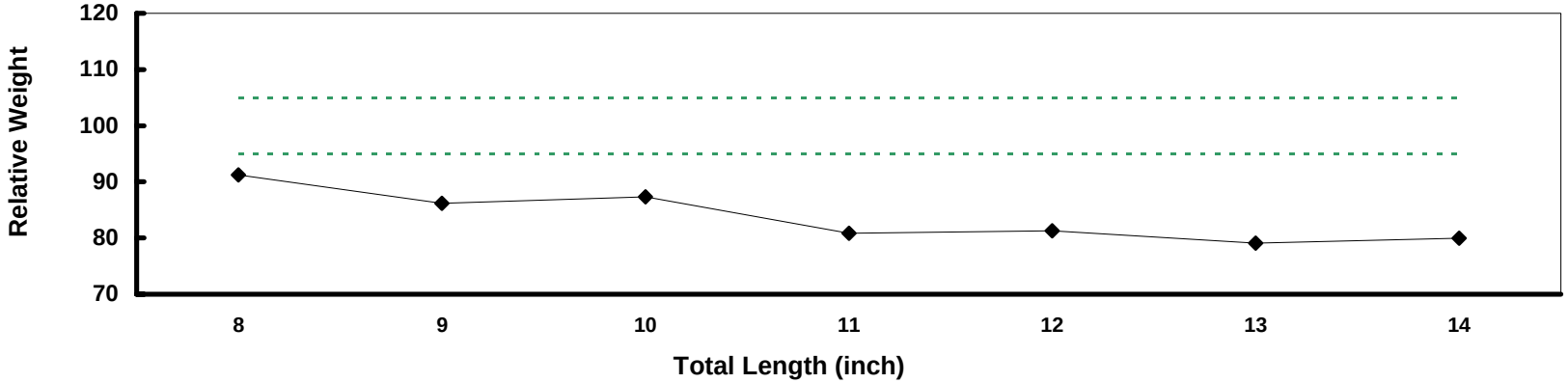


Figure 25. Norris Reservoir black crappie mean relative weight values from the 2009 electrofishing sample (n=66).

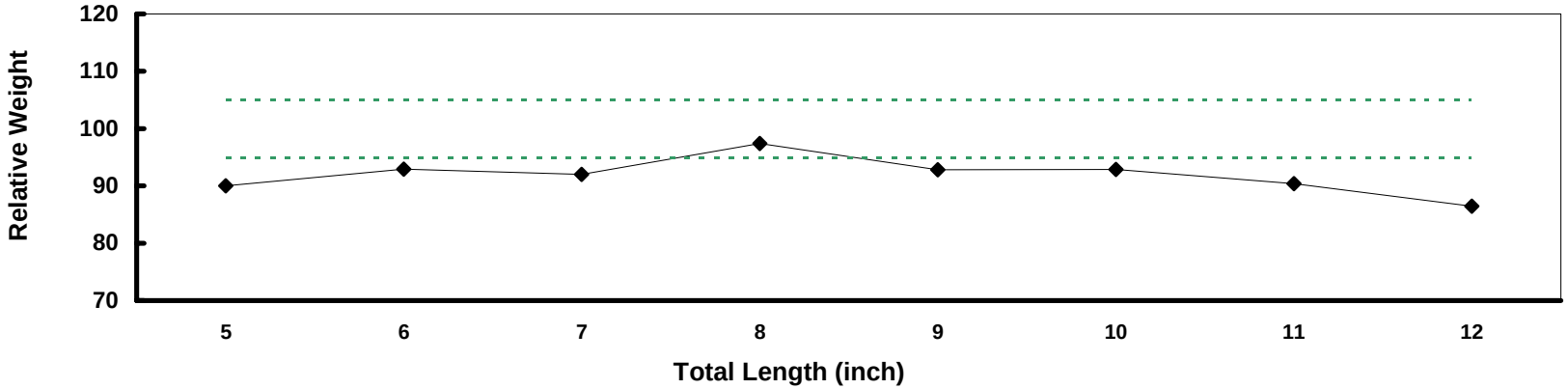


Figure 26. Norris Reservoir black crappie mean relative weight values from the 2009 trap net sample (n=109).

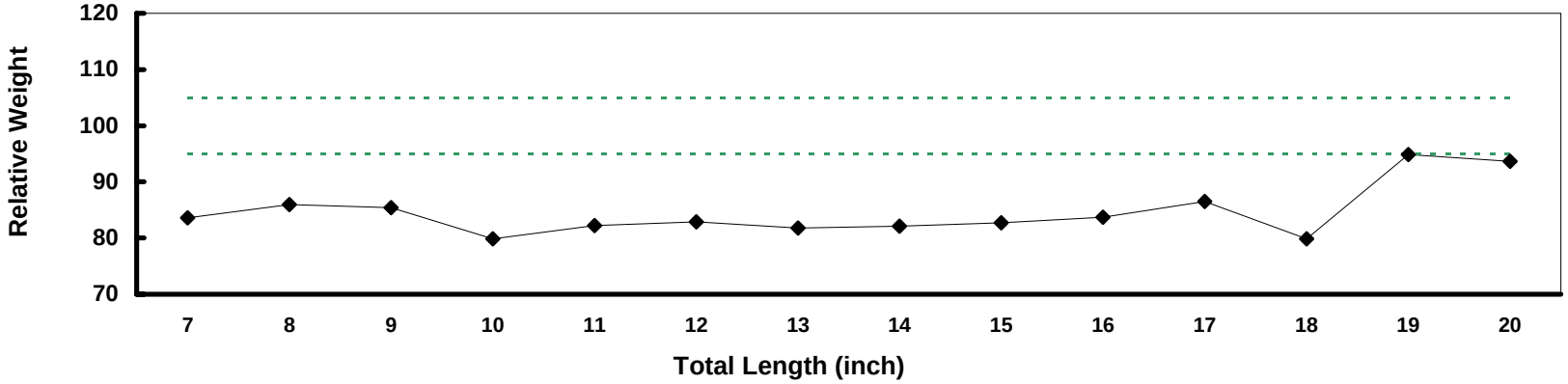


Figure 27. Norris Reservoir largemouth bass mean relative weight values from the 2009 electrofishing sample (n=187).

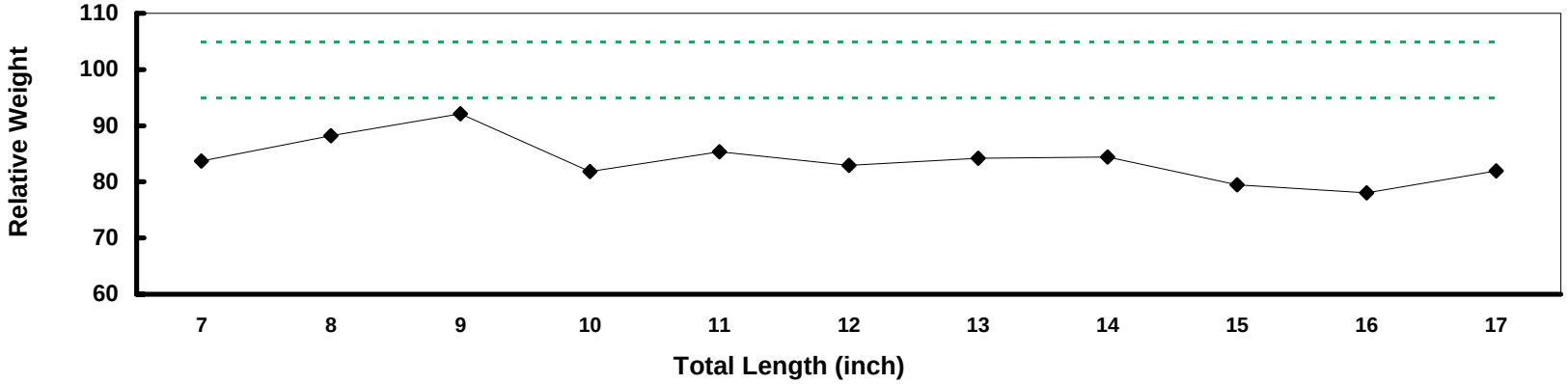


Figure 28. Norris Reservoir smallmouth bass mean relative weight values from the 2009 electrofishing sample (n=25).

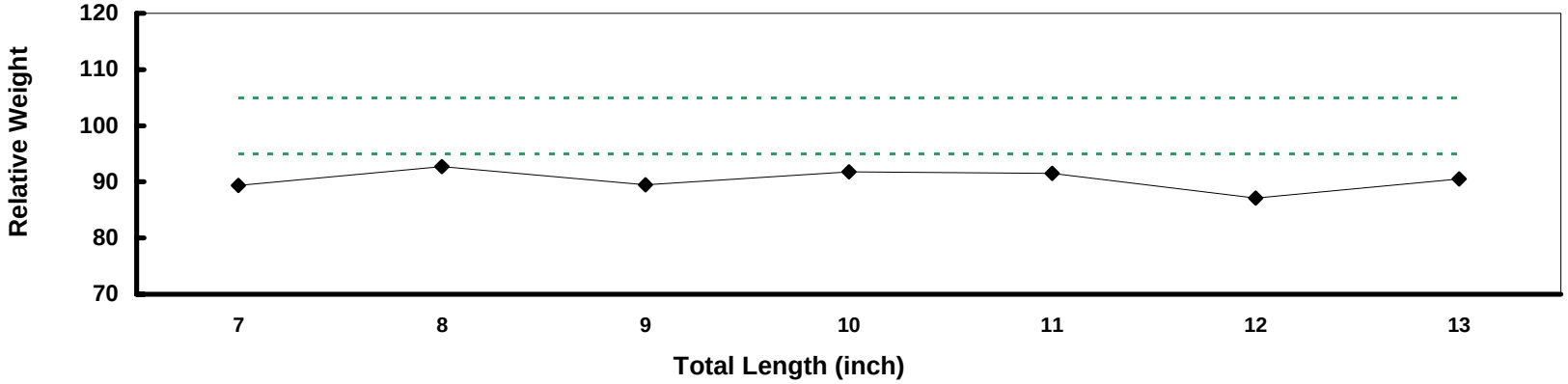


Figure 29. Norris Reservoir spotted bass mean relative weight values from the 2009 electrofishing sample (n=67).

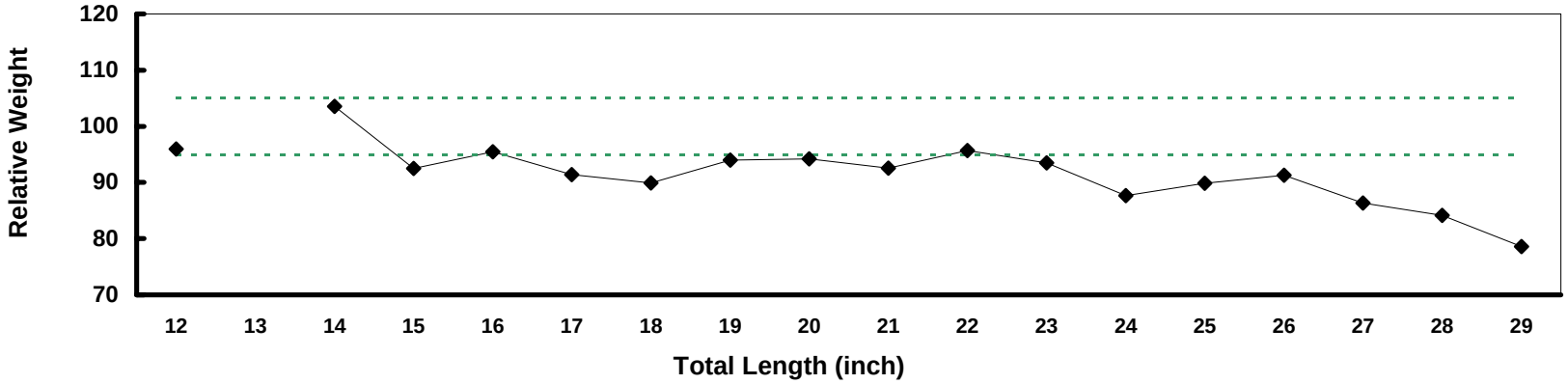


Figure 30. Norris Reservoir striped bass mean relative weight values from the 2009 winter gill net sample (n=60).

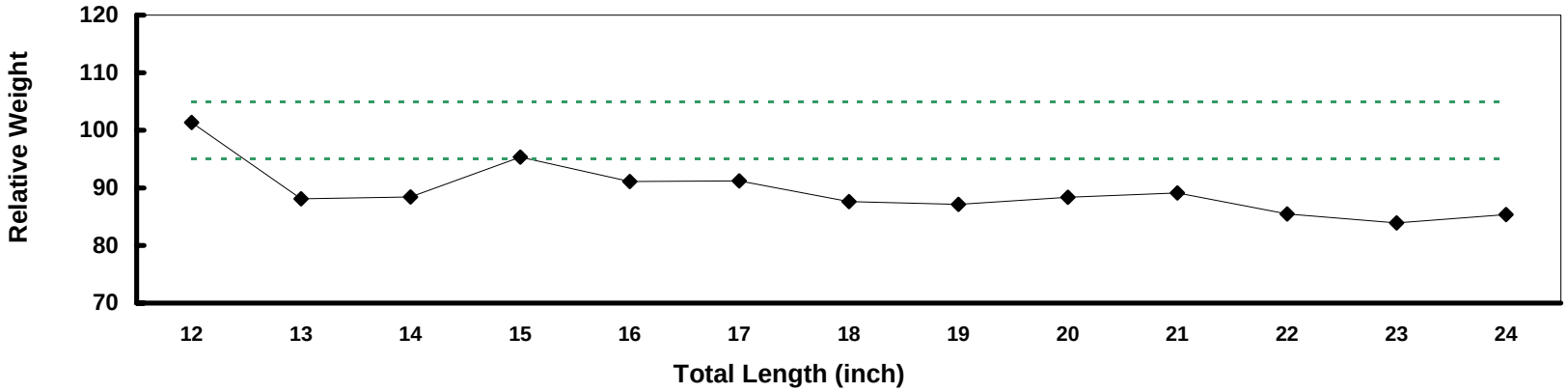


Figure 31. Norris Reservoir walleye mean relative weight values from the 2009 winter gill net sample (n=174).

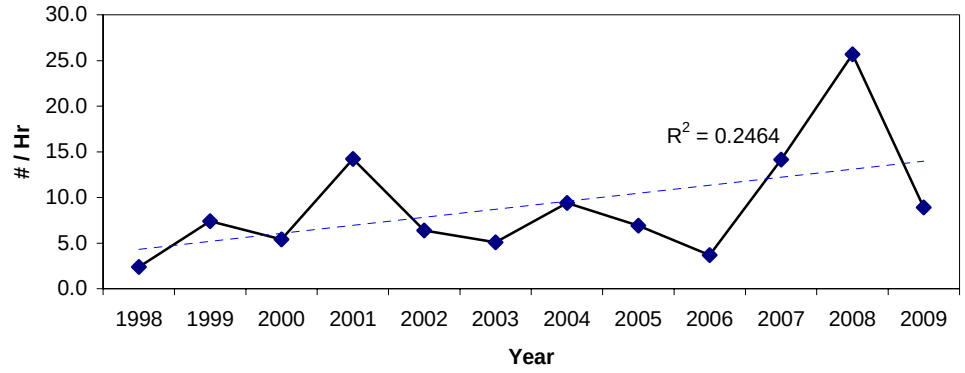


Figure 32. Norris Reservoir black crappie electrofishing catch rates from 1998 to 2009.

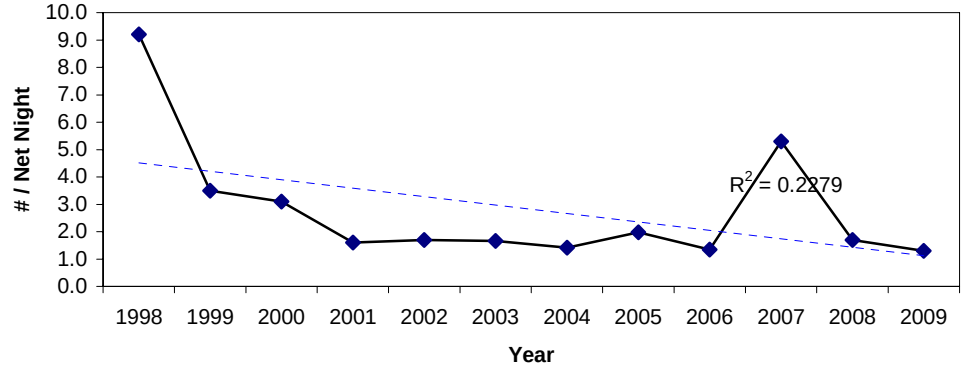


Figure 33. Norris Reservoir black crappie trap netting catch rates from 1998 to 2009.

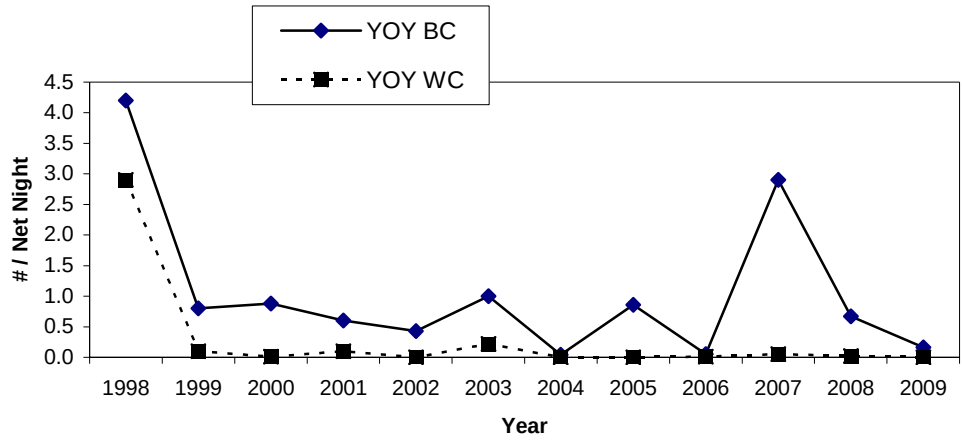


Figure 34. Norris Reservoir YOY crappie trap netting catch rates from 1998 to 2009.

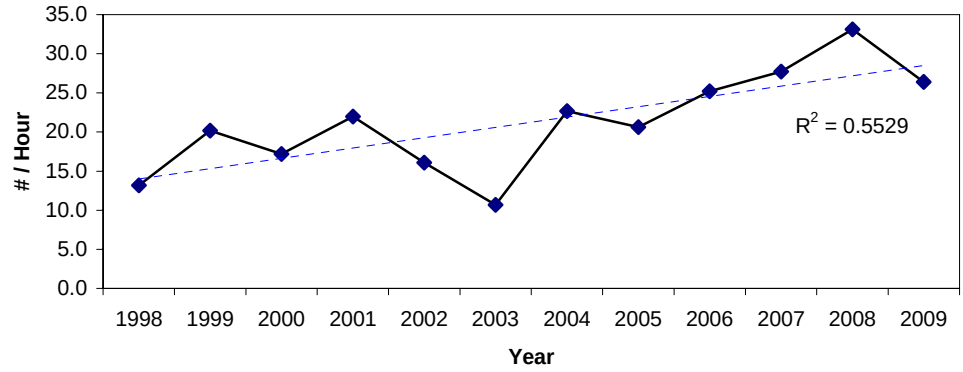


Figure 35. Norris Reservoir largemouth bass electrofishing catch rates from 1998 to 2009.

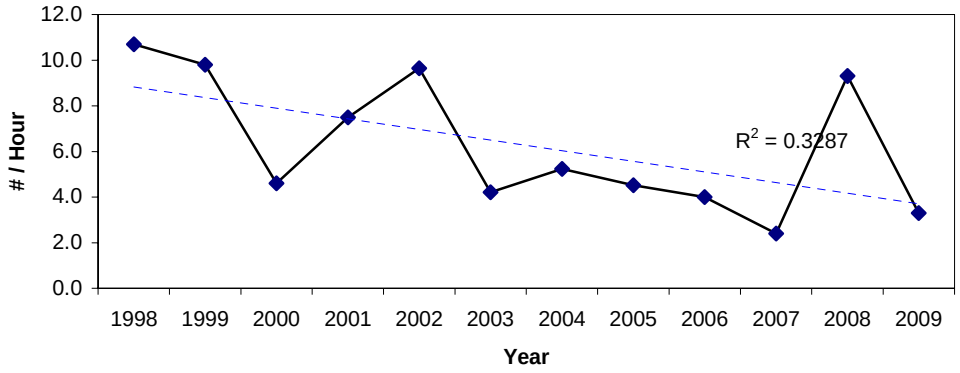


Figure 36. Norris Reservoir smallmouth bass electrofishing catch rates from 1998 to 2009.

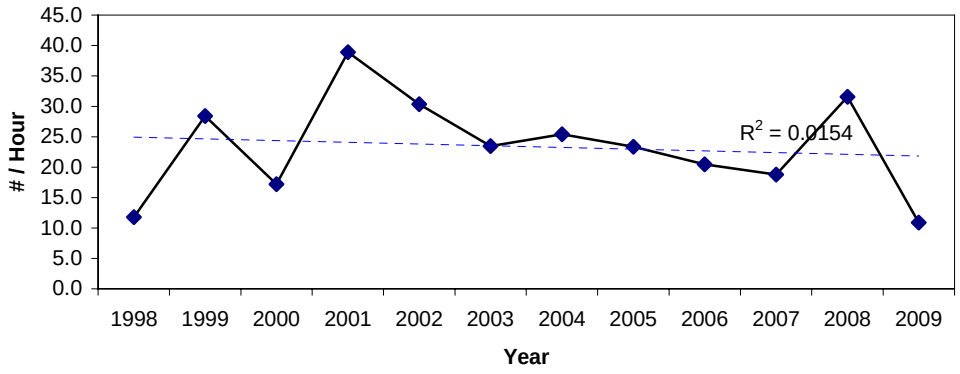


Figure 37. Norris Reservoir spotted bass electrofishing catch rates from 1998 to 2009.

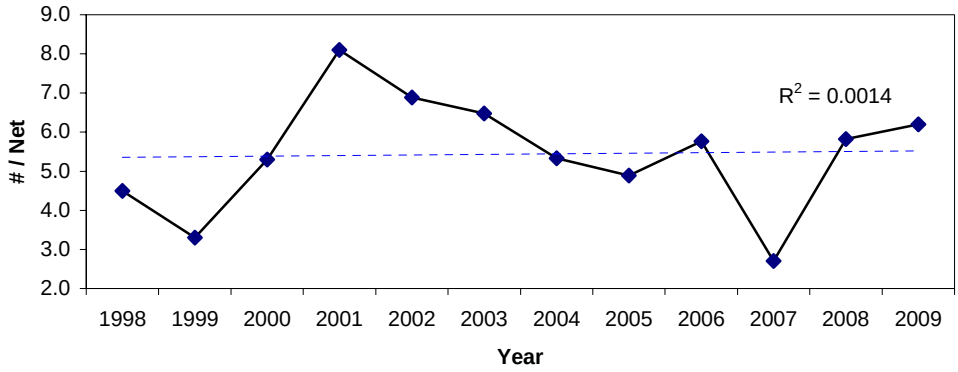


Figure 38. Norris Reservoir walleye winter gill net catch rates from 1998 to 2009.

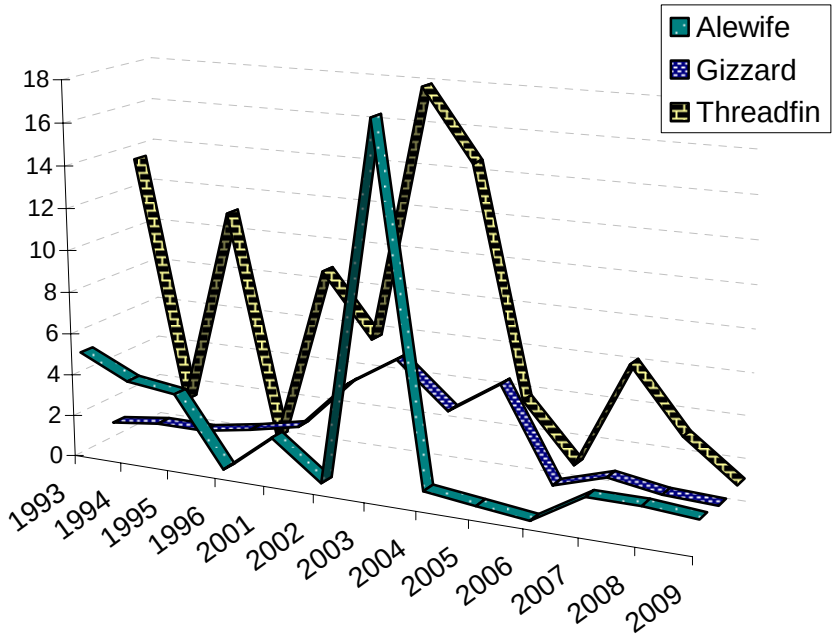


Figure 39. Geometric means for catch of shad in Norris Reservoir by summer gill netting from 1993 to 2009.

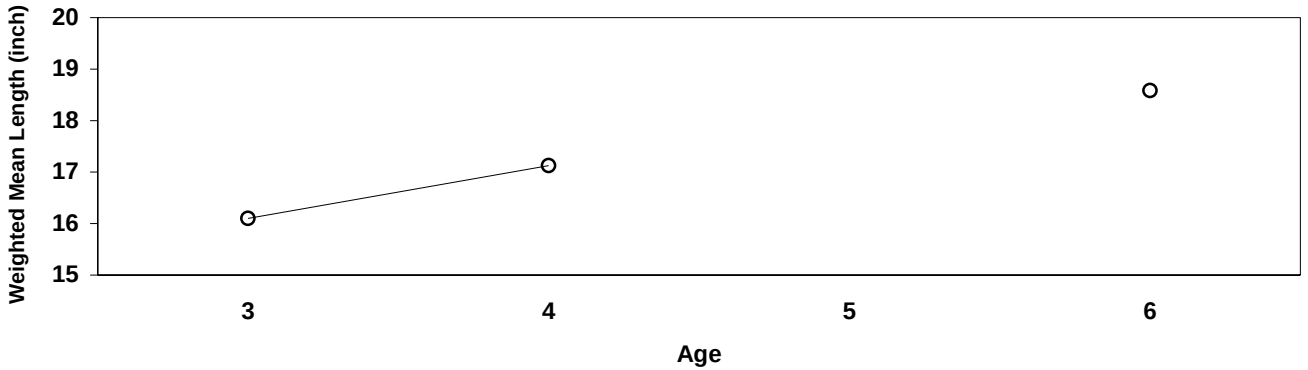


Figure 40. Weighted mean length at age of sauger from TWRA's Norris 2009 winter gill net sample.

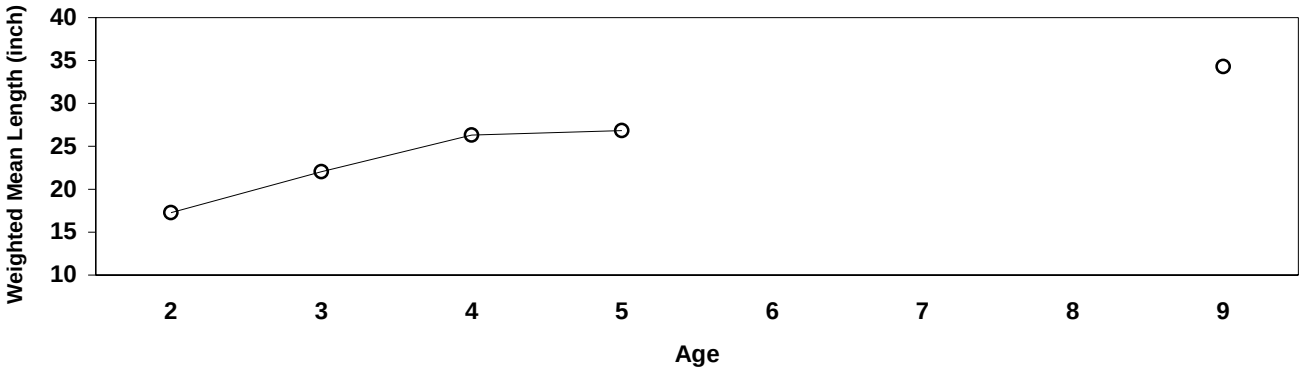


Figure 41. Weighted mean length at age of striped bass from TWRA's 2009 Norris winter gill net sample.

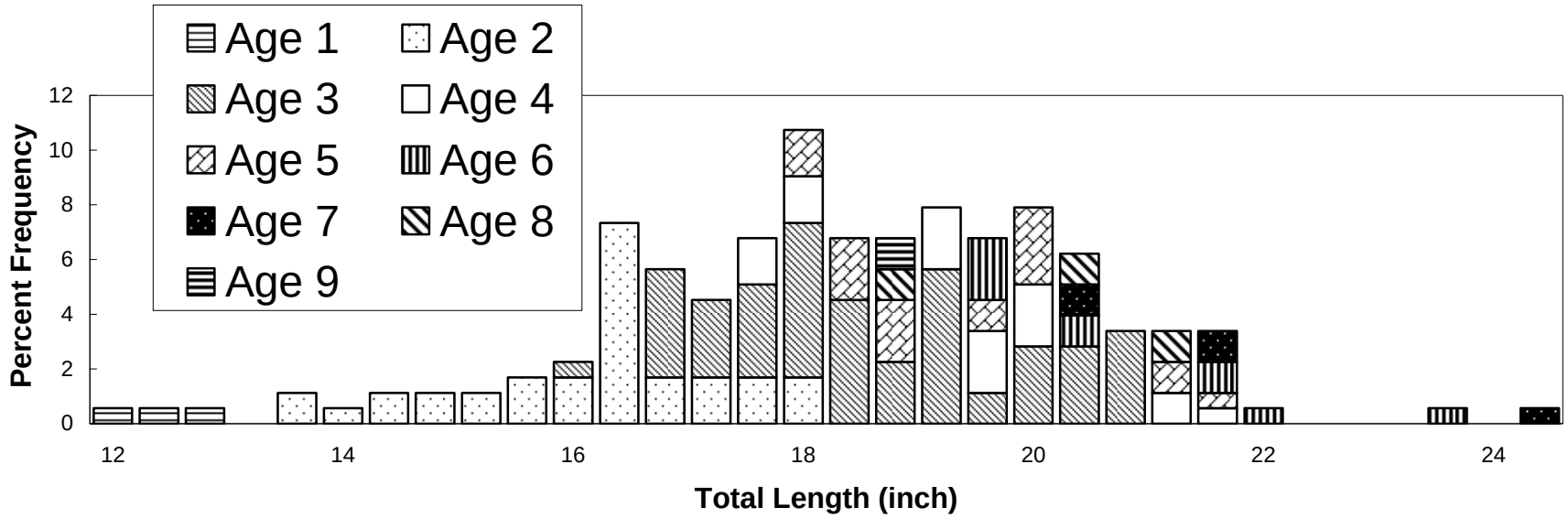


Figure 42. Length frequency at age of Norris walleye from TWRA's 2009 gill net sample.
(n = 177) (CPUE = 6.2/net night)

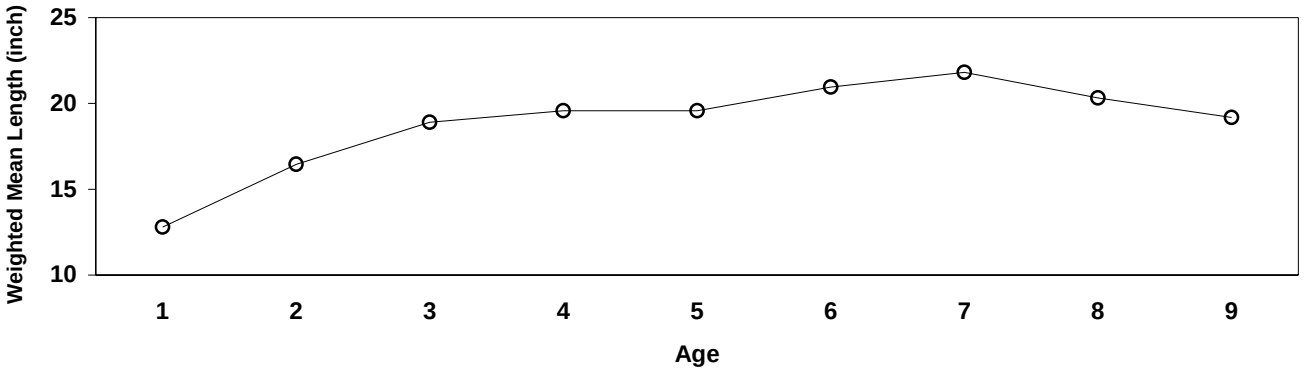


Figure 43. Weighted mean length at age of walleye from Norris 2009 winter gill net sample.

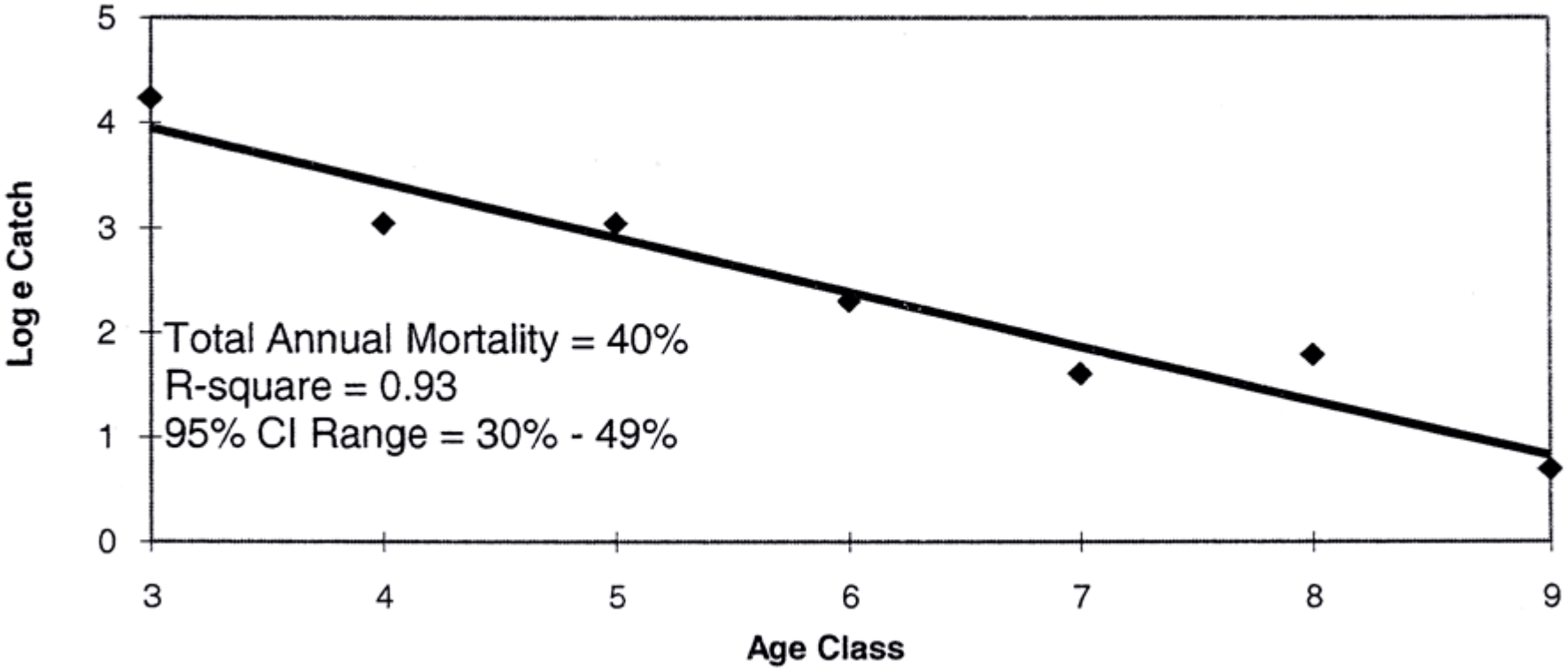


Figure 44. Norris walleye mortality from the 2009 winter gill net sample.

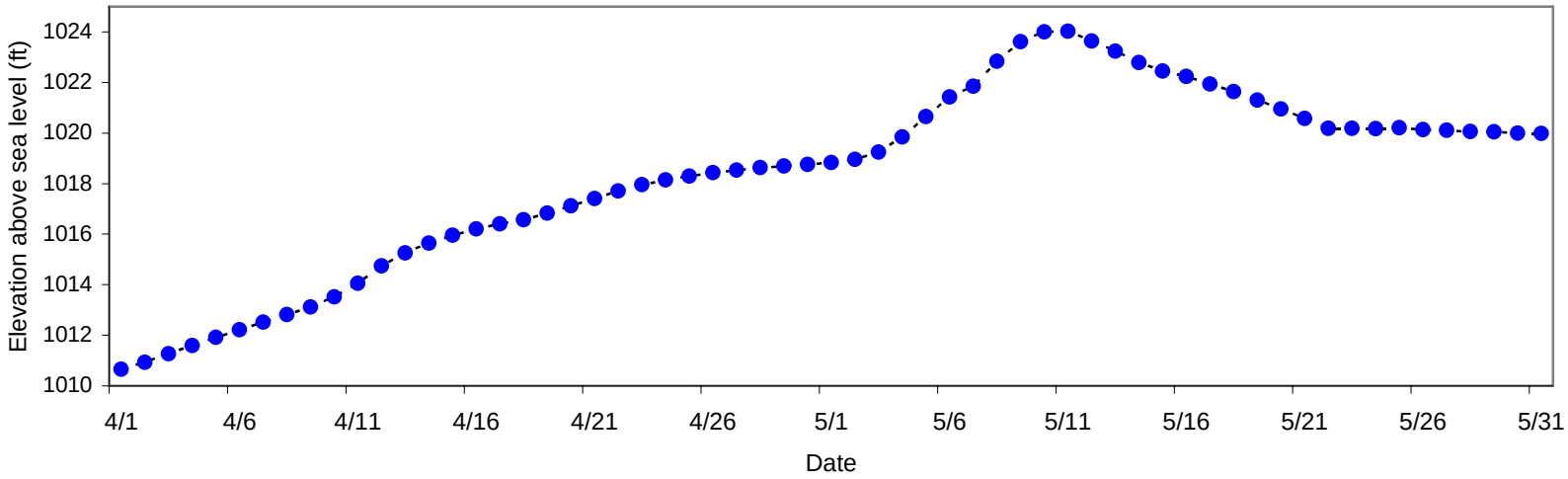


Figure 45. Norris Reservoir's 2009 April and May water levels (TVA data).

Figure 46. Norris Reservoir Water Quality at Clinch River Mile 82 - July 1, 2009

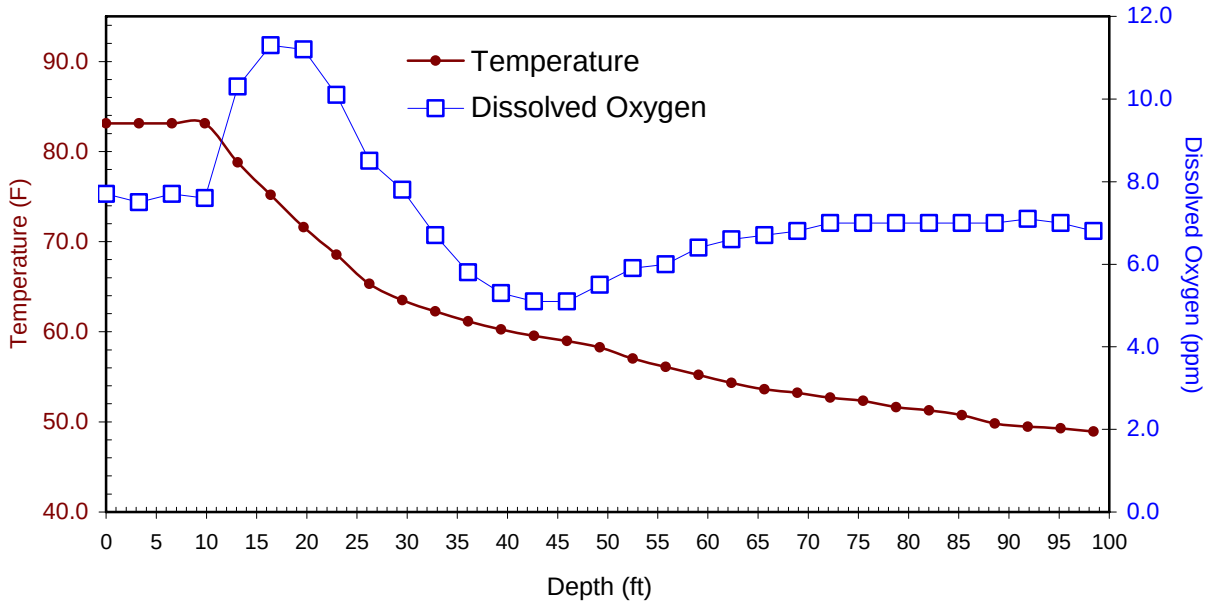


Figure 47. Norris Reservoir Water Quality at Clinch River Mile 88 - July 1, 2009

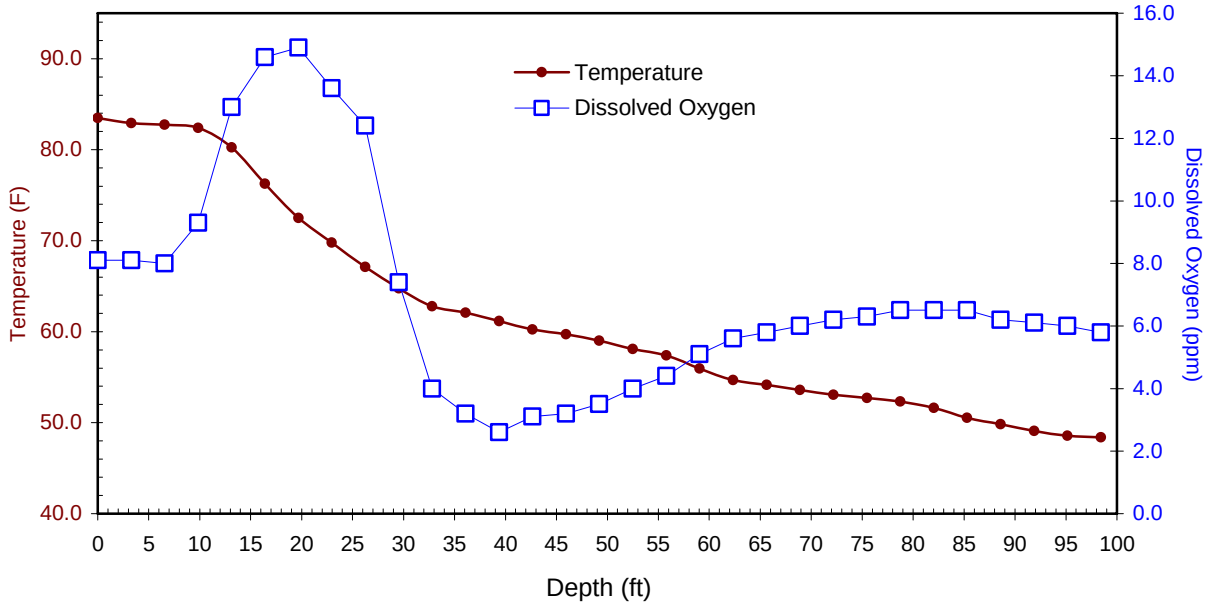


Figure 48. Norris Reservoir Water Quality at Clinch River Mile 120 - July 1, 2009

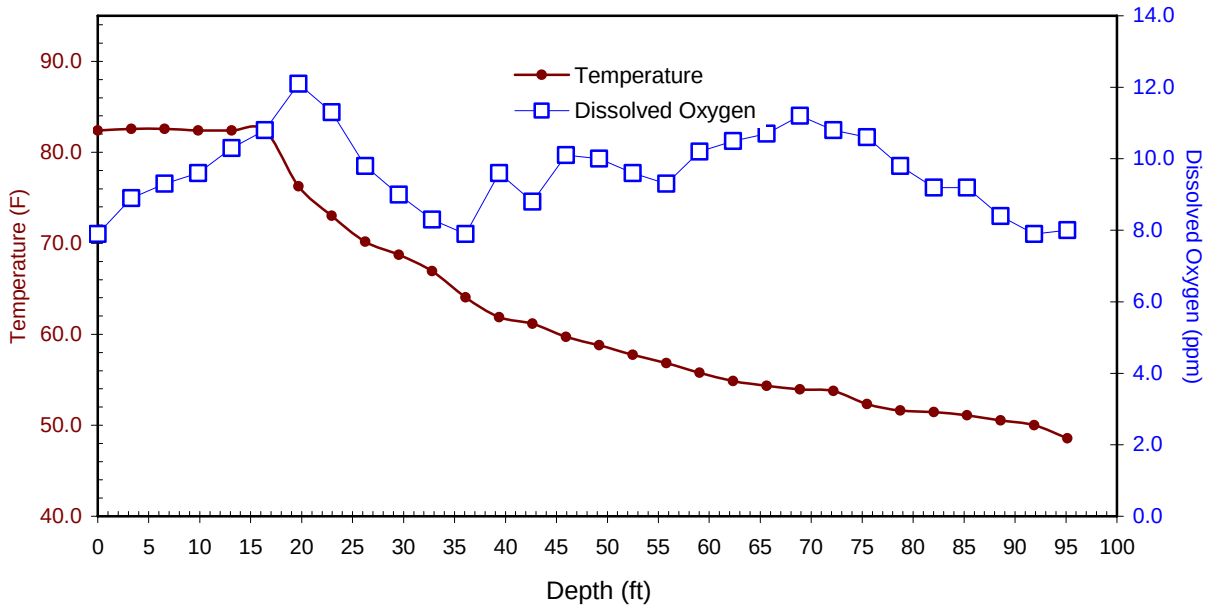


Figure 49. Norris Reservoir Water Quality at Clinch River Mile 82 - September 1, 2009

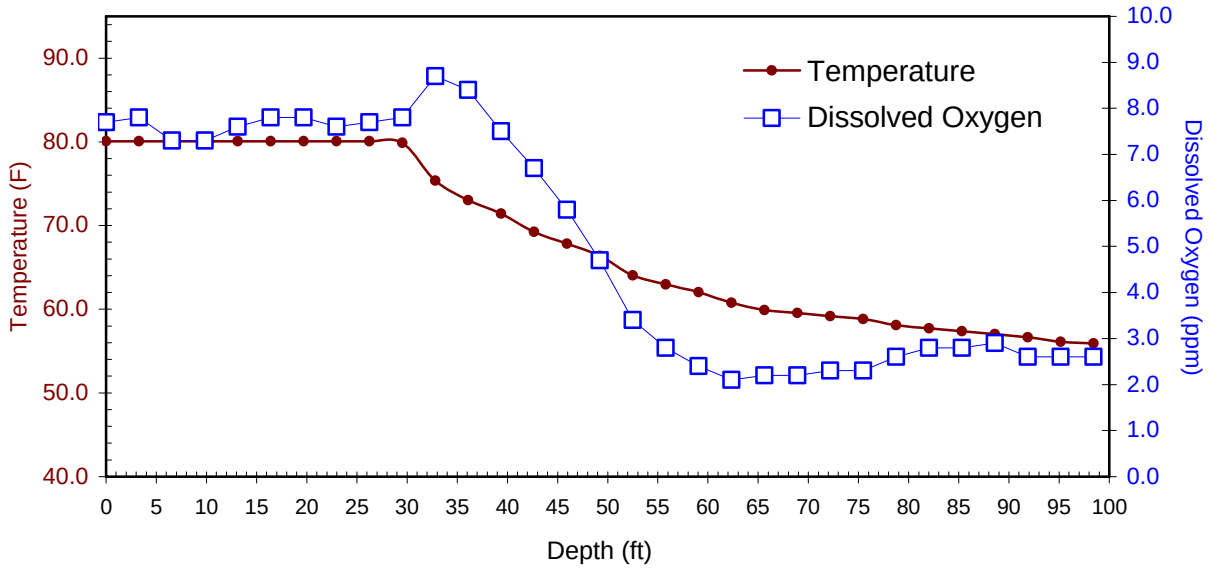


Figure 50. Norris Reservoir Water Quality at Clinch River Mile 88 - September 1, 2009

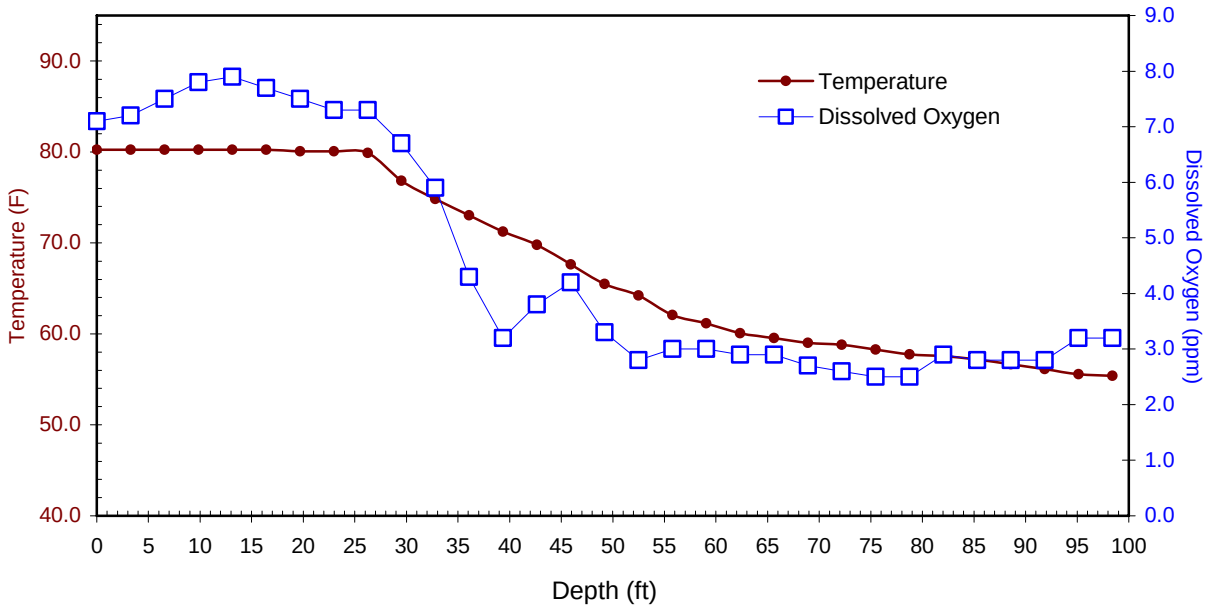


Figure 51. Norris Reservoir Water Quality at Clinch River Mile 120 - September 1, 2009

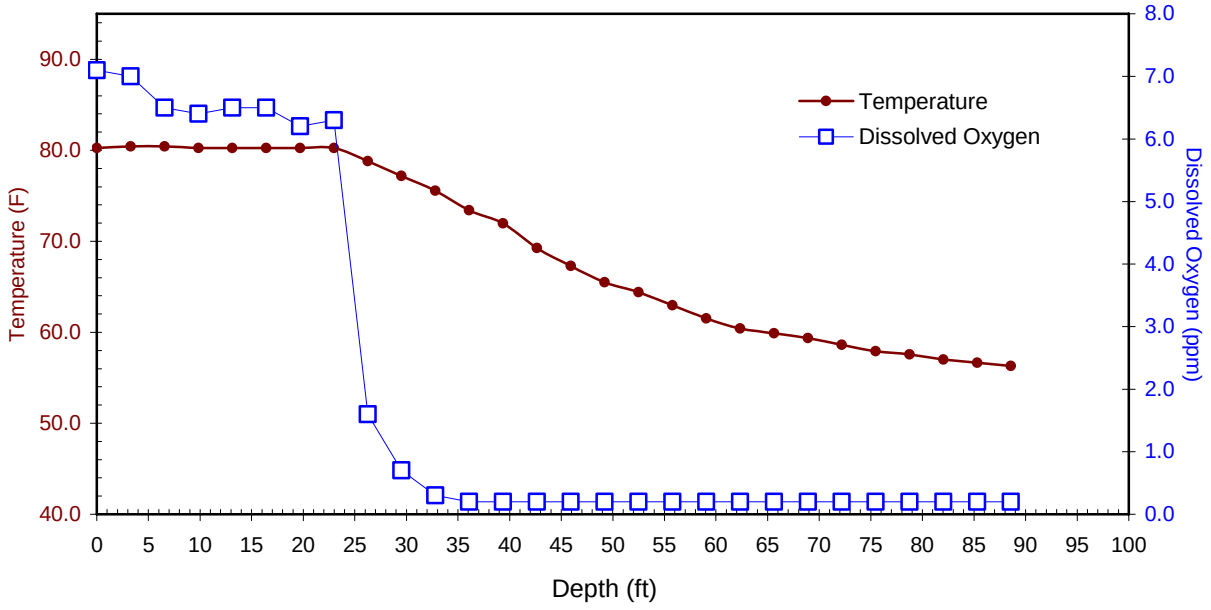
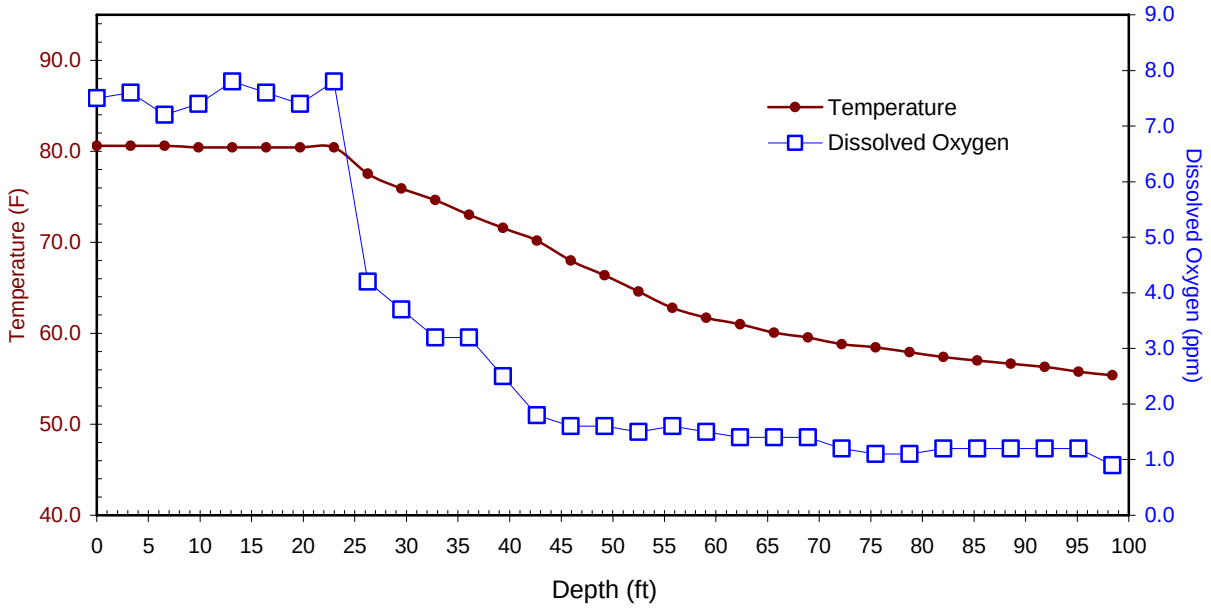


Figure 52. Norris Reservoir Water Quality at Powell River Mile 19 - September 1, 2009



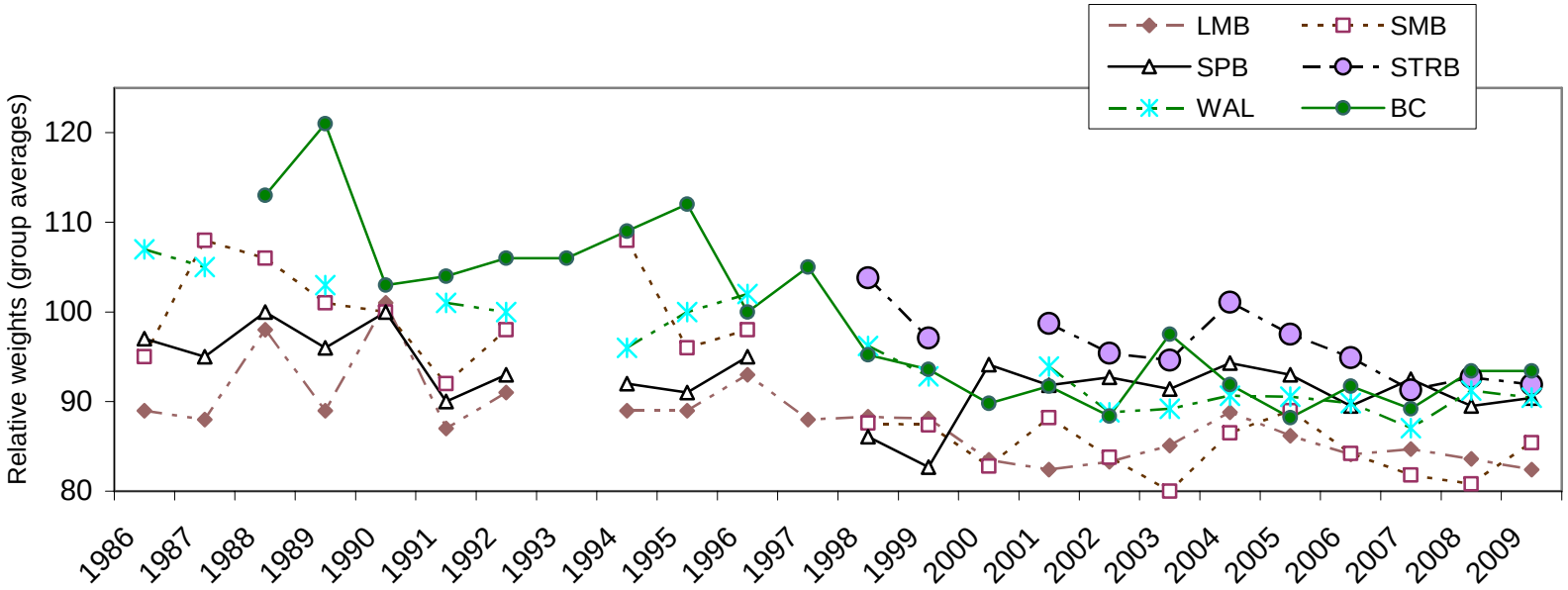


Figure 53. Wr values by certain RSD group averages for important Norris Reservoir game fish 1986 to 2009

Appendix – Creel

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2009

LAKE=NORRIS

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	50111	16.1	1.5	10227	0.3	16.3
02 FEBRUARY	14986	57.3	0.4	2655	0.1	4.9
03 MARCH	15876	23.2	0.5	2744	0.1	5.2
04 APRIL	49460	60.7	1.4	8703	0.3	16.0
05 MAY	57921	22.0	1.7	11072	0.3	18.8
06 JUNE	26429	30.4	0.8	4837	0.1	8.6
07 JULY	15229	19.7	0.4	2941	0.1	4.9
08 AUGUST	11590	4.7	0.3	2195	0.1	3.8
09 SEPTEMBER	19489	31.9	0.6	3969	0.1	6.3
10 OCTOBER	25106	34.1	0.7	4402	0.1	8.1
11 NOVEMBER	18203	24.4	0.5	3419	0.1	5.9
12 DECEMBER	3855	25.8	0.1	807	0.0	1.3
TOTAL	**308255**			**57971**		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2009

LAKE=NORRIS

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	16537	49.0	0.33	45.7	1503	16.1	0.03	0.0
02 FEBRUARY	4496	109.5	0.30	81.9	1349	132.3	0.09	100.0
03 MARCH	8097	57.5	0.51	51.4	2223	103.0	0.14	100.0
04 APRIL	18795	80.2	0.38	45.2	3462	97.7	0.07	64.1
05 MAY	42862	31.5	0.74	21.9	12743	65.8	0.22	59.4
06 JUNE	9514	50.4	0.36	37.9	793	72.6	0.03	60.1
07 JULY	8224	47.0	0.54	41.5	2894	55.7	0.19	51.7
08 AUGUST	2434	56.7	0.21	55.9	1275	64.3	0.11	67.1
09 SEPTEMBER	10524	43.7	0.54	28.6	6042	71.1	0.31	60.4
10 OCTOBER	25608	52.7	1.02	38.1	3515	59.4	0.14	46.1
11 NOVEMBER	21844	43.5	1.20	34.9	1274	66.2	0.07	61.7
12 DECEMBER	1696	74.3	0.44	67.5	39	141.6	0.01	100.0
TOTAL	**170631**				**37112**			

SUMMARY OF SPECIES CATCH STATISTICS - 2009

LAKE=NORRIS

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
ANY GAR	297	1039.5	0.2	297	0	.	0.0	0	100.0	.	0
CHANNEL CATFISH	2095	187.4	1.2	262	724	260.9	2.0	0	65.4	1.27	5
FLATHEAD CATFISH	507	545.9	0.3	169	0	.	0.0	0	100.0	.	0
MUSKELLUNGE	37	820.4	0.0	0	0	.	0.0	0	100.0	.	0
WHITE BASS	170	1195.7	0.1	0	0	.	0.0	0	100.0	.	0
STRIPED BASS	5081	100.8	3.0	4279	1323	92.6	3.6	1323	74.0	12.30	10
ROCK BASS	175	1015.4	0.1	0	175	1015.4	0.5	0	0.0	0.20	1
BLUEGILL	51150	26.3	29.8	38363	22953	38.8	61.8	21662	55.1	0.34	160
REDEAR SUNFISH	4178	133.0	2.4	3003	1020	212.5	2.7	638	75.6	0.79	8
SMALLMOUTH BASS	50559	25.6	29.5	44129	2102	81.0	5.7	1607	95.8	2.45	17
SPOTTED BASS	28907	33.7	16.9	20004	3476	54.2	9.4	3090	88.0	0.75	27
LARGEMOUTH BASS	16734	46.1	9.8	12386	513	140.6	1.4	513	96.9	2.05	4
WHITE CRAPPIE	2238	172.3	1.3	2046	488	179.3	1.3	488	78.2	1.01	10
BLACK CRAPPIE	5602	90.9	3.3	4921	3369	80.4	9.1	2710	39.9	0.76	46
BLACKNOSE CRAPPIE	1174	385.2	0.7	861	335	363.1	0.9	0	71.5	1.25	4
SAUGER	283	708.7	0.2	0	165	516.7	0.4	0	41.7	1.98	2
WALLEYE	825	322.9	0.5	825	468	465.0	1.3	468	43.3	3.45	4
FRESHWATER DRUM	418	616.2	0.2	0	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2009

LAKE=NORRIS

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	1984	69.0	387	0.6	0.00		0.00		2
STRIPED BASS	56400	15.0	11013	18.3	0.08	49.8	0.02	95.9	50
ANY SUNFISH	29444	22.1	5582	9.6	2.26	36.5	1.30	53.0	28
ANY BLACK BASS	94181	17.7	17542	30.6	0.47	38.4	0.05	133.9	98
SMALLMOUTH BASS	36691	23.1	6867	11.9	0.88	55.9	0.09	127.0	43
SPOTTED BASS	913	106.6	160	0.3	0.43		0.00		1
LARGEMOUTH BASS	2381	68.4	435	0.8	0.00		0.00		3
ANY CRAPPIE	20226	40.4	3687	6.6	0.44	25.4	0.16	15.1	21
WALLEYE	20597	26.5	3879	6.7	0.08	94.6	0.05	119.3	27
ANY SPECIES	45442	22.6	8418	14.7	0.54	91.2	0.02	147.0	44
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TOTAL	**308259**		**57970**						

SUMMARY OF RELATIVE SPECIES CATCH RATES WITHIN TARGET GROUPS - 2009

LAKE=NORRIS

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH			
	CHANNEL CATFISH	0.00	0.00
	FLATHEAD CATFISH	0.00	0.00
ANY SUNFISH			
	BLUEGILL	2.10	1.26
	REDEAR SUNFISH	0.16	0.04
ANY BLACK BASS			
	SMALLMOUTH BASS	0.33	0.01
	SPOTTED BASS	0.15	0.02
	LARGEMOUTH BASS	0.09	0.00
	LARGEMOUTH BASS	0.09	0.00
ANY CRAPPIE			
	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.12	0.02
	BLACK CRAPPIE	0.28	0.14
	BLACKNOSE CRAPPIE	0.05	0.00

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=NORRIS

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	17	0.06	1	0.28	11
02 FEBRUARY	0		0	0.05	12
03 MARCH	0		0	0.47	17
04 APRIL	0		0	0.93	13
05 MAY	0		0	0.52	20
06 JUNE	25	0.19	1	0.54	7
07 JULY	0		0	0.07	5
08 AUGUST	0		0	0.14	4
09 SEPTEMBER	5	0.00	2	0.49	9
10 OCTOBER	0		0	0.95	15
11 NOVEMBER	0		0	1.08	16
12 DECEMBER	0		0	0.26	10

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS FOR INTENDED SPECIES - 2009

LAKE=NORRIS

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
STRIPED BASS	261760	226770	487090	27
ANY SUNFISH	54520	35750	89220	19
ANY BLACK BASS	310620	439630	750250	57
SMALLMOUTH BASS	146010	134430	280440	27
SPOTTED BASS	2000	400	2400	1
LARGEMOUTH BASS	10990	12960	23950	3
ANY CRAPPIE	29200	43910	66550	8
WALLEYE	31420	29920	59260	12
ANY SPECIES	125170	66890	192060	28
TOTAL	**971690**	**990660**	**1951220**	**182**

SUMMARY OF SOCIOLOGICAL QUESTIONS – 2009

LAKE=NORRIS

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
KY	61	10.3
TN	492	83.1
OTHERS	39	6.6

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
ANDERSON	140	28.1
CAMPBELL	62	12.4
CLAIBORNE	112	22.5
KNOX	80	16.1
UNION	50	10.0
OTHERS IN TN	48	9.6
OUT-OF-STATE	6	1.2

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	427	72.3
B) 26-100	117	19.8
C) 101-250	12	2.0
D) > 250	35	5.9

DISTRIBUTION OF REASONS WHY INTERVIWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	315	100

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	282	89.5
B) 2-5	28	8.9
C) 6-10	4	1.3
D) 11-15	1	0.3