

Norris Reservoir
Annual Report 2007

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Norris Reservoir - 2007

Largemouth Bass

| Population Parameter | Annual Rating | Measure | Gear | Value |
|----------------------|---------------|--------------------------------------------|----------------|-----------|
| Recruitment | Poor | Substock CPUE | Electrofishing | 0.7/hr |
| Structure | Good | PSD | Electrofishing | 77 |
| Density | Good | CPUE \geq Stock Size (8-inches) | Electrofishing | 27.1/hr |
| Density | Good | CPUE \geq Minimum Size Limit (15-inches) | Electrofishing | 9.1/hr |
| Number Caught | Good | Angler Catch | Creel Survey | 25,937 |
| Quality | Good | Average Weight | Creel Survey | 1.7 lbs |
| Value of Fishery* | Excellent | Trip Expenditures | Creel Survey | \$614,290 |

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

Fishery Forecast: The population has improved during the past few years. The average weight of largemouth caught by anglers in 2007 was 1.7 lbs. 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

| Population Parameter | Annual Rating | Measure | Gear | Value |
|----------------------|---------------|--------------------------------------------|----------------|-----------|
| Recruitment | Poor | Substock CPUE | Electrofishing | 0.3/hr |
| Structure | Poor | PSD | Electrofishing | 44 |
| Density | Poor | CPUE \geq Stock Size (7-inches) | Electrofishing | 2.1/hr |
| Density | Poor | CPUE \geq Minimum Size Limit (18-inches) | Electrofishing | 0.0/hr |
| Number Caught | Good | Angler Catch | Creel Survey | 56,308 |
| Quality | Good | Average Weight | Creel Survey | 2.7 lbs |
| Value of Fishery* | Excellent | Trip Expenditures | Creel Survey | \$614,290 |

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

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

Management Recommendations: Continue with the 18-inch minimum length limit.

Spotted Bass

| Population Parameter | Annual Rating | Measure | Gear | Value |
|----------------------|--------------------|------------------------------------------|----------------|-----------|
| Recruitment | Fair | Substock CPUE | Electrofishing | 3.5/hr |
| Structure | Poor | PSD | Electrofishing | 35 |
| Density | Poor (too high) | CPUE \geq Stock Size (7-inches) | Electrofishing | 15.3/hr |
| Density | Poor (too high) | CPUE \geq Minimum Size Limit (none) | Electrofishing | 18.8/hr |
| Number Caught | Good | Angler Catch | Creel Survey | 37,368 |
| Quality | Fair | Average Weight | Creel Survey | 0.8 lbs |
| Value of Fishery* | Excellent | Trip Expenditures | Creel Survey | \$614,290 |

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

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.

Walleye

| Population Parameter | Annual Rating | Measure | Gear | Value |
|----------------------|---------------|-----------------------------------------------|--------------|-----------|
| Growth | Excellent | Mean TL at Age-3 | Gill netting | 18.4 inch |
| Structure | Fair | PSD | Gill netting | 96 |
| Density | Fair | CPUE \geq Stock Size (10-inches) | Gill netting | 2.8/net |
| Density | Fair | CPUE \geq Minimum Size Limit (15-inches) | Gill netting | 2.8/net |
| Mortality (2006) | Fair | Total Mortality (Z) | Gill netting | 43 % |
| Angling Pressure | Fair | Fishing Effort | Creel Survey | 45,729 hr |
| Fishing Success | Fair | Angler Catch Rate | Creel Survey | 0.1/hr |
| Number Caught | Poor | Angler Catch | Creel Survey | 6,389 |
| Quality | Fair | Average Weight | Creel Survey | 2.2 lbs |
| Value of Fishery | Good | Trip Expenditures | Creel Survey | \$176,350 |

Fishery Forecast: The walleye fishery has rebounded impressively since the initiation of an aggressive stocking campaign in 1998, but showed a slight decrease in density in 2007.

Management Recommendations: Continue to monitor the density and health of the fishery to determine future stocking rates. Consider increasing the minimum size limit to 18-inch to protect fish until they reach Age III.

Black Crappie

| Population Parameter | Annual Rating | Measure | Gear | Value |
|----------------------|---------------|--------------------------------------------|---------------------|--------------------|
| Recruitment | Good | Substock CPUE | Trap Net | 2.9/net |
| Structure | Fair | PSD | Trap Net | 58 |
| Density | Fair Good | CPUE \geq Stock Size (5-inches) | Trap Net Electro | 2.4/net 14.1/hr |
| Density | Poor Good | CPUE \geq Minimum size Limit (10-inches) | Trap Net Electro | 0.7/net 8.3/hr |
| Angling Pressure* | Fair | Fishing Effort | Creel Survey | 20,986 hr |
| Fishing Success* | Fair | Angler Catch Rate | Creel Survey | 0.8/hr |
| Number Caught* | Fair | Angler Catch | Creel Survey | 16,800 |
| Quality | Fair | Average Weight | Creel Survey | 0.7 lbs |
| Value of Fishery* | Fair | Trip Expenditures | Creel Survey | \$46,790 |

(*all crappie combined)

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.

Management Recommendations: There are no creel limit changes proposed, though reducing the creel to five per day would help insure the fishery remains intact.

Striped Bass

| Population Parameter | Annual Rating | Measure | Gear | Value |
|----------------------|---------------|-------------------|--------------|-----------|
| Angling Pressure | Fair | Fishing Effort | Creel Survey | 41,428 hr |
| Fishing Success | Good | Angler Catch Rate | Creel Survey | 0.3/hr |
| Number Caught | Fair | Angler Catch | Creel Survey | 13,143 |
| Quality | Fair | Average Weight | Creel Survey | 7.8 lbs |
| Value of Fishery | Fair | Trip Expenditures | Creel Survey | \$134,910 |

Fishery Forecast: The summer of 2003 was a difficult period for quality striped bass and there was significant mortality of large stripers as a result of poor summer DO levels. Striped bass have since become relatively abundant and the population appears to be recovering nicely.

Management Recommendations: No further changes in length limits are proposed.

Stocking and Stocking Evaluations

| Species | Number Stocked | Mark | Evaluation | Value |
|----------------------------|-----------------------|-------------|-------------------|--------------|
| Striped Bass | 103,997 | NA | NA | NA |
| Black & Black-nose Crappie | 109,572 | NA | NA | NA |
| Walleye | 197,472 | N/A | NA | NA |

Habitat Enhancement and Monitoring

| | | |
|---------------------------------|-------------|-------------------------------|
| Fish Attractors (Shallow Water) | New | none |
| | Renovated | 2 sites, 275 units, 5.5 acres |
| | Expanded | none |
| Water Quality | Temperature | July-September (Normal) |
| | D.O. | 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 |
| Reservoir Age | 71 years |

Table 2. Norris Reservoir fish stockings 1998 - 2007.

| 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 | |
| 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 |
| 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 | |

*includes blacknose black crappie

Table 3. Relative stock density, mean relative weight, and catch per unit effort by RSD category for target species collected in Norris Reservoir for 1998-2007.

| Species | Year | Gear | Number of Samples | Substock | | | | RSD-stock | | | | RSD-quality | | | | RSD-preferred | | | | RSD-memorable | | | | RSD-trophy | | | | Total | | PSD |
|-----------------|---------|---------|-------------------|----------|------|-------|------|-----------|-------|-------|------|-------------|------|-------|-----|---------------|------|-------|-----|---------------|-------|------|-----|------------|-----|------|------|-------|------|-----|
| | | | | No. | CPE | Pct. | Wr | No. | CPE | Pct. | Wr | No. | CPE | Pct. | Wr | No. | CPE | Pct. | Wr | No. | CPE | Pct. | Wr | No. | CPE | Pct. | No. | CPE | Pct. | |
| Largemouth Bass | 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 | |
| | 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 | | |
| Smallmouth Bass | 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 | |
| | 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 | | |
| Spotted Bass | 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 | |
| | 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 | 89.2 | 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 | 4.0 | 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 | | |
| White Crappie | 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 | |
| | 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 | | |
| Black Crappie | 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 | |
| | 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 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Table 4. Relative stock density, mean relative weight, and catch per unit effort by RSD category for target species collected in Norris Reservoir for 1998-2007.

| Species | Year | Gear | Number of 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. |
| Striped Bass | 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 |
| | 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 | |
| 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 |
| | 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 | |
| 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 | |
| Flathead Catfish | 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 |
| | 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 Catfish | 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 |
| | 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 | | | |

Table 5. Summary of creel results for Norris Reservoir 1998-2006.

| Norris Species | YEAR | Intended % Effort | 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 Composition | |
|--------------------|------|-----------------------------------------------------------------------------------|---------------------|-----------------------|---------------------------|-----------------|------------------------|--------------------|---------------------------|---------------------|----------------|-----------------|---------------|---------------|------------|-----------------------|--|
| Any Species | 1998 | 13.5 | 36,113 | 7,148 | | | | | | | | | | | | | |
| | 1999 | 12.7 | 38,535 | 7,974 | | | 0.31 | | 0.09 | | | | | | | | |
| | 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 | | | | | | | | |
| Any(All) Blackbass | 1998 | 42.2 | 112,556 | 22,280 | | | | | | | 74,431 | 8,116 | | 161 | | | |
| | 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 | | | | |
| Any(All) Crappie | 1998 | 4.8 | 12,870 | 2,547 | | | | | | | 11,731 | 2,928 | | 61 | | | |
| | 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 | | | | |
| Any(All) Sunfish | 1998 | 8.7 | 23,207 | 4,594 | | | | | | | 54,929 | 22,871 | | 277 | | | |
| | 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 | | |
| Any(All) Catfish | 1998 | 1.8 | 4,735 | 937 | | | | | | | 4,700 | 1,382 | | 22 | | | |
| | 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 | \$1,860 | 1,783 | 0.00 | 358 | 0.00 | 2 | 8,203 | 715 | | 4 | | | | |
| Large-mouth Bass | 1998 | not separated prior to 2000 and is the reason lumped into all black bass category | | | | | | | | | | 15,479 | 1,489 | 1.6 | 24 | | |
| | 1999 | 0.0 | 0 | 0 | | 26,316 | 0.00 | | 0.00 | 0 | 31,473 | 4,848 | 2.01 | 53 | 84.6 | 7.4 | |
| | 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 | | |
| Small-mouth Bass | 1998 | not separated prior to 2000 and is the reason lumped into all black bass category | | | | | | | | | | 39,705 | 4,238 | 3.39 | 100 | | |
| | 1999 | 0.1 | 292 | 60 | | 43,807 | 0.12 | | 0.06 | 2 | 51,430 | 12,226 | 2.04 | 111 | 76.2 | 18.5 | |
| | 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 | | |
| Spotted Bass | 1998 | not separated prior to 2000 and is the reason lumped into all black bass category | | | | | | | | | | 19,247 | 2,389 | 0.91 | 37 | | |
| | 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 | | |
| Striped Bass | 1998 | 21.9 | 58,350 | 11,551 | | | | | | | 5,172 | 1,220 | 11.52 | 44 | | | |
| | 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 | | | | | | | | | |

Table 6. Summary of creel results for Norris Reservoir 1998-2006.

| Norris Species | YEAR | 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 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 | | | | | 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 | | |
| 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 | | |
| Black-nose Crappie | 1998 | | | | 0 | | | | | 0 | 0 | na | 0 | | | |
| | 1999 | | | | 902 | | 0 | | | 902 | 0 | na | 0 | | 0.0 | |
| | 2000 | | | | 86 | | 0 | | | 86 | 0 | na | 0 | | 0.0 | |
| | 2001 | | | | 2,705 | | 474 | | | 2,921 | 632 | 0.83 | 8 | 78.4 | 0.8 | |
| | 2002 | | | | 4,080 | | 777 | | | 4,185 | 907 | 0.86 | 7 | 78.3 | 1.3 | |
| | 2003 | | | | 1,959 | | 249 | | | 1,959 | 249 | 0.30 | 1 | 87.3 | 0.5 | |
| | 2004 | | | | 2,315 | | 499 | | | 2,315 | 499 | 0.85 | 3 | 78.4 | 0.6 | |
| | 2005 | | | | 1,897 | | 180 | | | 2,108 | 359 | 0.77 | 4 | 83.0 | 0.8 | |
| 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 | | |
| 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 | 287 | 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 | | |
| 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 | | |
| White Bass | 1998 | | | | | | | | | 430 | 84 | 0.88 | 3 | | | |
| | 1999 | 718 | 148 | | 82 | 0.04 | 34 | 0.04 | 2 | 164 | 34 | 1.15 | 2 | 79.3 | 0.1 | |
| | 2000 | | | | 0 | | 0 | | | 0 | 0 | na | 0 | na | 0.0 | |
| | 2001 | 794 | 146 | | 174 | 0.50 | 247 | | | 2,787 | 494 | 0.53 | 4 | 82.3 | 0.5 | |
| | 2002 | | | | 0 | | 0 | | | 2,646 | 1,484 | 0.52 | 20 | 43.9 | 2.0 | |
| | 2003 | 831 | 128 | \$5,130 | 0 | 0.00 | 0 | 0.00 | 0 | 391 | 324 | 0.78 | 2 | 17.1 | 0.5 | |
| | 2004 | | | | 129 | | 0 | | | 3,738 | 1,908 | 0.47 | 13 | 49.0 | 3.5 | |
| | 2005 | 502 | 87 | \$2,170 | 109 | 0.33 | 0 | 0.00 | 1 | 1,745 | 49 | 1.60 | 2 | 97.2 | 0.1 | |
| 2006 | | | | 142 | | | | | 1,709 | 0 | na | 0 | 100.0 | 0.9 | | |
| 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 | |

Table 7. Mean relative weight and standard error values by size class for Norris Reservoir black crappie collected during the 2007 electrofishing sample.

| Size Class | Mean Wr | Std. Error | N |
|------------|---------|------------|----|
| 6 | 96.6 | 2.5 | 2 |
| 7 | 98.6 | 2.0 | 11 |
| 8 | 95.2 | 1.7 | 16 |
| 9 | 89.9 | 1.1 | 17 |
| 10 | 88.7 | 2.2 | 17 |
| 11 | 89.7 | 1.5 | 19 |
| 12 | 87.4 | 1.8 | 17 |
| 13 | 86.0 | 2.7 | 6 |

Total Catch 105

Table 8. Mean relative weight and standard error values by size class for Norris Reservoir black crappie collected during the 2007 trap net sample.

| Size Class | Mean Wr | Std. Error | N |
|------------|---------|------------|----|
| 5 | 88.3 | 1.3 | 49 |
| 6 | 93.0 | 3.8 | 30 |
| 7 | 90.3 | 1.5 | 27 |
| 8 | 88.6 | 1.8 | 25 |
| 9 | 87.5 | 1.4 | 37 |
| 10 | 87.1 | 0.8 | 48 |
| 11 | 90.8 | 1.3 | 14 |
| 12 | 88.4 | 3.9 | 3 |

Total Catch 233

Table 9. Mean relative weight and standard error values by size class for Norris Reservoir largemouth bass collected during the 2007 electrofishing sample.

| Size Class | Mean Wr | Std. Error | N |
|------------|---------|------------|----|
| 7 | 91.1 | | 1 |
| 8 | 82.1 | | 1 |
| 9 | 83.9 | 1.0 | 9 |
| 10 | 82.5 | 1.4 | 24 |
| 11 | 83.8 | 2.1 | 11 |
| 12 | 87.7 | 1.6 | 19 |
| 13 | 85.9 | 1.3 | 34 |
| 14 | 85.2 | 1.2 | 35 |
| 15 | 84.9 | 1.1 | 21 |
| 16 | 84.8 | 1.3 | 19 |
| 17 | 85.4 | 2.2 | 14 |
| 18 | 79.1 | 2.8 | 5 |
| 19 | 91.1 | 3.4 | 3 |
| 20 | 86.7 | 4.0 | 3 |
| 21 | 87.6 | | 1 |
| 22 | 98.5 | | 1 |

Total Catch 201

Table 10. Mean relative weight and standard error values by size class for Norris Reservoir smallmouth bass collected during the 2007 electrofishing sample.

| Size Class | Mean Wr | Std. Error | N |
|-------------------|----------------|-------------------|----------|
| 9 | 73.8 | | 1 |
| 10 | 79.3 | 6.0 | 2 |
| 11 | 77.6 | | 1 |
| 12 | 88.5 | 1.3 | 2 |
| 13 | 89.4 | | 1 |
| 14 | | | |
| 15 | 79.7 | | 1 |
| 16 | 80.2 | | 1 |
| 17 | 73.8 | | 1 |

Total Catch 10

Table 11. Mean relative weight and standard error values by size class for Norris Reservoir spotted bass collected during the 2007 electrofishing sample.

| Size Class | Mean Wr | Std. Error | N |
|-------------------|----------------|-------------------|----------|
| 8 | 92.4 | 1.0 | 19 |
| 9 | 94.0 | 1.2 | 22 |
| 10 | 92.7 | 1.0 | 21 |
| 11 | 92.2 | 1.4 | 19 |
| 12 | 94.2 | 2.1 | 12 |
| 13 | 86.6 | 2.2 | 5 |
| 14 | 84.7 | 2.0 | 2 |

Total Catch 100

Table 12. Mean relative weight and standard error values by size class for Norris Reservoir striped bass collected during the 2007 winter gill net sample.

| Size Class | Mean Wr | Std. Error | N |
|------------|---------|------------|---|
| 14 | 103.6 | | 1 |
| 15 | | | |
| 16 | 87.0 | | 1 |
| 17 | 88.3 | 2.8 | 5 |
| 18 | 89.7 | 1.6 | 9 |
| 19 | 87.9 | 1.5 | 5 |
| 20 | | | |
| 21 | 93.0 | 2.7 | 3 |
| 22 | 92.7 | 1.5 | 7 |
| 23 | 96.8 | 1.1 | 5 |
| 24 | 88.8 | 1.3 | 2 |
| 25 | 94.1 | 4.7 | 2 |
| 26 | 97.2 | 6.5 | 3 |
| 27 | 93.6 | 9.9 | 2 |
| 28 | 86.2 | 4.0 | 3 |
| 29 | 91.6 | | 1 |
| 30 | | | |
| 31 | | | |
| 32 | 94.1 | | 1 |

Total Catch 50

Table 13. Mean relative weight and standard error values by size class for Norris Reservoir walleye collected during the 2007 winter gill net sample.

| Size Class | Mean Wr | Std. Error | N |
|------------|---------|------------|----|
| 10 | 81.1 | | 1 |
| 11 | 88.3 | | 1 |
| 12 | | | |
| 13 | 95.4 | | 1 |
| 14 | | | |
| 15 | 85.7 | 1.8 | 5 |
| 16 | 89.6 | 1.2 | 18 |
| 17 | 86.9 | 1.6 | 14 |
| 18 | 85.0 | 1.2 | 18 |
| 19 | 80.3 | 1.8 | 13 |
| 20 | 82.6 | 3.3 | 6 |
| 21 | 84.8 | 4.2 | 3 |
| 22 | 91.4 | | 1 |
| 23 | 87.2 | | 1 |

Total Catch 82

Table 14. Geometric means of Region IV's shad gill net catches in 2001-2007.

| Reservoir | Year | Alewife | Threadfin | Gizzard |
|------------------|-------------|----------------|------------------|----------------|
| Norris | 2001 | 2.1 | 8.8 | 1.9 |
| Norris | 2002 | 0.3 | 5.8 | 4.3 |
| Cherokee | 2002 | 16.2 | 17.1 | 14.1 |
| 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 |

Table 15. Summary of July 2007 Norris Reservoir water quality parameters at Clinch River Mile 80.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|------|------|-------------|------|----------|
| 0 | 82.8 | 287 | 7.1 | 6.9 | C80 | 11.5 | 1100 | 7/2/2007 |
| 3 | 82.8 | 287 | 7.1 | 6.8 | | | | |
| 7 | 82.6 | 287 | 7.1 | 6.9 | | | | |
| 10 | 82.6 | 287 | 7.1 | 7.2 | | | | |
| 13 | 82.4 | 287 | 7.1 | 7.0 | | | | |
| 16 | 82.4 | 287 | 7.1 | 6.9 | | | | |
| 20 | 79.2 | 284 | 7.1 | 8.6 | | | | |
| 23 | 73.6 | 277 | 7.1 | 10.0 | | | | |
| 26 | 68.4 | 280 | 7.0 | 10.0 | | | | |
| 30 | 64.6 | 279 | 7.0 | 9.1 | | | | |
| 33 | 61.9 | 282 | 6.9 | 8.4 | | | | |
| 36 | 59.5 | 283 | 6.8 | 7.3 | | | | |
| 39 | 57.4 | 284 | 6.8 | 7.2 | | | | |
| 43 | 55.9 | 284 | 6.8 | 7.1 | | | | |
| 46 | 54.9 | 285 | 6.7 | 7.2 | | | | |
| 49 | 54.1 | 285 | 6.7 | 7.1 | | | | |
| 52 | 53.6 | 287 | 6.7 | 7.2 | | | | |
| 56 | 53.2 | 287 | 6.7 | 7.2 | | | | |
| 59 | 52.7 | 289 | 6.7 | 7.1 | | | | |
| 62 | 52.0 | 287 | 6.7 | 7.3 | | | | |
| 66 | 51.3 | 286 | 6.7 | 7.6 | | | | |
| 69 | 50.5 | 285 | 6.7 | 7.5 | | | | |
| 72 | 49.8 | 285 | 6.6 | 7.5 | | | | |
| 75 | 49.3 | 288 | 6.6 | 7.2 | | | | |
| 79 | 48.7 | 289 | 6.6 | 7.2 | | | | |
| 82 | 48.0 | 289 | 6.6 | 7.0 | | | | |
| 85 | 47.3 | 288 | 6.6 | 6.7 | | | | |
| 89 | 46.8 | 289 | 6.6 | 6.7 | | | | |
| 92 | 46.4 | 290 | 6.6 | 6.4 | | | | |
| 95 | 46.2 | 290 | 6.6 | 6.3 | | | | |
| 98 | 46.0 | 290 | 6.5 | 6.4 | | | | |

Table 16. Summary of July 2007 Norris Reservoir water quality parameters at Clinch River Mile 88.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|------|------|-------------|------|----------|
| 0 | 82.6 | 278 | 7.2 | 7.5 | C88 | 9.8 | 1000 | 7/2/2007 |
| 3 | 82.8 | 277 | 7.1 | 7.8 | | | | |
| 7 | 82.6 | 277 | 7.1 | 8.3 | | | | |
| 10 | 82.6 | 278 | 7.1 | 8.2 | | | | |
| 13 | 82.6 | 277 | 7.1 | 8.7 | | | | |
| 16 | 79.5 | 277 | 7.1 | 9.8 | | | | |
| 20 | 75.7 | 287 | 7.0 | 9.3 | | | | |
| 23 | 72.1 | 291 | 7.0 | 10.1 | | | | |
| 26 | 68.9 | 296 | 7.0 | 9.5 | | | | |
| 30 | 64.0 | 298 | 6.9 | 8.4 | | | | |
| 33 | 60.3 | 297 | 6.8 | 6.8 | | | | |
| 36 | 58.1 | 299 | 6.8 | 6.2 | | | | |
| 39 | 56.3 | 297 | 6.7 | 5.9 | | | | |
| 43 | 55.2 | 299 | 6.7 | 5.7 | | | | |
| 46 | 54.7 | 300 | 6.7 | 5.4 | | | | |
| 49 | 53.8 | 300 | 6.7 | 5.3 | | | | |
| 52 | 52.9 | 292 | 6.7 | 5.5 | | | | |
| 56 | 52.3 | 284 | 6.7 | 5.4 | | | | |
| 59 | 52.2 | 294 | 6.7 | 5.6 | | | | |
| 62 | 51.3 | 288 | 6.6 | 5.5 | | | | |
| 66 | 50.7 | 285 | 6.6 | 5.7 | | | | |
| 69 | 49.8 | 283 | 6.6 | 5.7 | | | | |
| 72 | 48.9 | 284 | 6.6 | 5.6 | | | | |
| 75 | 48.2 | 285 | 6.6 | 5.5 | | | | |
| 79 | 47.8 | 286 | 6.6 | 5.5 | | | | |
| 82 | 47.1 | 287 | 6.6 | 5.5 | | | | |
| 85 | 46.6 | 289 | 6.6 | 5.6 | | | | |
| 89 | 46.0 | 289 | 6.6 | 5.7 | | | | |
| 92 | 45.9 | 290 | 6.6 | 5.7 | | | | |
| 95 | 45.7 | 290 | 6.6 | 5.6 | | | | |
| 98 | 45.5 | 290 | 6.6 | 5.7 | | | | |

Table 17. Summary of July 2007 Norris Reservoir water quality parameters at Clinch River Mile 120.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 82.6 | 266 | 8.6 | 7.2 | C120 | 11.5 | 630 | 7/2/2007 |
| 3 | 82.6 | 266 | 8.4 | 7.5 | | | | |
| 7 | 82.6 | 266 | 8.3 | 7.5 | | | | |
| 10 | 82.6 | 266 | 8.2 | 7.5 | | | | |
| 13 | 82.6 | 266 | 8.1 | 7.5 | | | | |
| 16 | 80.2 | 282 | 7.9 | 6.9 | | | | |
| 20 | 76.3 | 292 | 7.8 | 6.8 | | | | |
| 23 | 71.6 | 290 | 7.7 | 6.3 | | | | |
| 26 | 66.6 | 283 | 7.6 | 5.6 | | | | |
| 30 | 62.4 | 276 | 7.5 | 4.7 | | | | |
| 33 | 58.8 | 268 | 7.4 | 4.2 | | | | |
| 36 | 57.0 | 261 | 7.4 | 3.7 | | | | |
| 39 | 55.6 | 254 | 7.4 | 3.9 | | | | |
| 43 | 54.3 | 249 | 7.4 | 4.1 | | | | |
| 46 | 53.8 | 245 | 7.3 | 4.2 | | | | |
| 49 | 52.9 | 243 | 7.3 | 4.2 | | | | |
| 52 | 52.3 | 244 | 7.3 | 4.1 | | | | |
| 56 | 51.6 | 248 | 7.3 | 4.2 | | | | |
| 59 | 50.9 | 253 | 7.2 | 4.0 | | | | |
| 62 | 50.2 | 260 | 7.2 | 3.8 | | | | |
| 66 | 49.5 | 269 | 7.2 | 3.6 | | | | |
| 69 | 48.7 | 280 | 7.2 | 2.9 | | | | |
| 72 | 47.8 | 294 | 7.1 | 1.6 | | | | |
| 75 | 47.5 | 298 | 7.1 | 1.2 | | | | |
| 79 | 47.3 | 300 | 7.1 | 1.2 | | | | |
| 82 | 46.8 | 304 | 7.0 | 1.2 | | | | |
| 85 | 46.4 | 306 | 7.0 | 1.1 | | | | |
| 89 | 46.2 | 307 | 7.0 | 0.9 | | | | |

Table 18. Summary of July 2007 Norris Reservoir water quality parameters at Powell River Mile 19.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|------|------|-------------|------|----------|
| 0 | 82.9 | 283 | 8.1 | 7.4 | P19 | 9.8 | 845 | 7/2/2007 |
| 3 | 83.1 | 283 | 7.8 | 7.5 | | | | |
| 7 | 82.9 | 283 | 7.7 | 7.8 | | | | |
| 10 | 82.9 | 283 | 7.6 | 7.8 | | | | |
| 13 | 82.6 | 284 | 7.6 | 8.9 | | | | |
| 16 | 78.8 | 336 | 7.5 | 10.1 | | | | |
| 20 | 75.6 | 372 | 7.4 | 10.8 | | | | |
| 23 | 70.9 | 371 | 7.3 | 11.2 | | | | |
| 26 | 66.9 | 348 | 7.3 | 9.7 | | | | |
| 30 | 63.9 | 331 | 7.2 | 5.7 | | | | |
| 33 | 60.8 | 308 | 7.1 | 7.6 | | | | |
| 36 | 57.7 | 290 | 7.1 | 8.0 | | | | |
| 39 | 55.9 | 281 | 7.0 | 8.1 | | | | |
| 43 | 54.9 | 274 | 7.0 | 8.6 | | | | |
| 46 | 54.1 | 270 | 7.0 | 8.8 | | | | |
| 49 | 53.6 | 266 | 7.0 | 8.8 | | | | |
| 52 | 52.9 | 272 | 7.0 | 8.7 | | | | |
| 56 | 52.5 | 283 | 6.9 | 9.4 | | | | |
| 59 | 52.2 | 297 | 6.8 | 10.4 | | | | |
| 62 | 51.4 | 304 | 6.8 | 9.4 | | | | |
| 66 | 50.5 | 314 | 6.8 | 4.5 | | | | |
| 69 | 50.0 | 321 | 6.8 | 4.3 | | | | |
| 72 | 49.5 | 330 | 6.7 | 4.4 | | | | |
| 75 | 48.9 | 330 | 6.7 | 4.7 | | | | |
| 79 | 48.4 | 332 | 6.7 | 4.7 | | | | |
| 82 | 47.8 | 333 | 6.7 | 4.9 | | | | |
| 85 | 47.3 | 335 | 6.7 | 5.2 | | | | |
| 89 | 47.1 | 335 | 6.7 | 5.5 | | | | |
| 92 | 46.8 | 335 | 6.7 | 5.5 | | | | |
| 95 | 46.6 | 334 | 6.7 | 5.4 | | | | |
| 98 | 46.4 | 335 | 6.7 | 5.4 | | | | |

Table 19. Summary of August 2007 Norris Reservoir water quality parameters at Clinch River Mile 80.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 82.8 | 279 | 7.9 | 7.1 | C80 | 12.1 | 905 | 8/1/2007 |
| 3 | 82.8 | 279 | 7.8 | 7.6 | | | | |
| 7 | 82.8 | 279 | 7.8 | 7.6 | | | | |
| 10 | 82.4 | 279 | 7.8 | 8.2 | | | | |
| 13 | 81.7 | 279 | 7.7 | 8.1 | | | | |
| 16 | 80.8 | 279 | 7.7 | 8.3 | | | | |
| 20 | 80.1 | 278 | 7.6 | 8.4 | | | | |
| 23 | 79.2 | 279 | 7.6 | 8.3 | | | | |
| 26 | 77.0 | 276 | 7.5 | 8.7 | | | | |
| 30 | 72.1 | 271 | 7.5 | 9.4 | | | | |
| 33 | 69.8 | 277 | 7.4 | 8.8 | | | | |
| 36 | 67.3 | 275 | 7.4 | 8.2 | | | | |
| 39 | 63.9 | 280 | 7.3 | 7.6 | | | | |
| 43 | 61.9 | 281 | 7.3 | 6.8 | | | | |
| 46 | 59.9 | 283 | 7.2 | 6.5 | | | | |
| 49 | 57.2 | 284 | 7.2 | 6.4 | | | | |
| 52 | 56.3 | 285 | 7.1 | 6.5 | | | | |
| 56 | 55.2 | 286 | 7.1 | 6.6 | | | | |
| 59 | 54.5 | 287 | 7.1 | 6.7 | | | | |
| 62 | 54.1 | 290 | 7.1 | 6.5 | | | | |
| 66 | 53.8 | 297 | 7.1 | 6.1 | | | | |
| 69 | 53.6 | 299 | 7.0 | 6.0 | | | | |
| 72 | 53.1 | 300 | 7.0 | 5.8 | | | | |
| 75 | 52.5 | 295 | 7.0 | 5.6 | | | | |
| 79 | 52.2 | 289 | 7.0 | 5.3 | | | | |
| 82 | 51.8 | 287 | 7.0 | 5.0 | | | | |
| 85 | 51.4 | 291 | 7.0 | 5.0 | | | | |
| 89 | 51.1 | 287 | 7.0 | 5.3 | | | | |
| 92 | 50.9 | 288 | 7.0 | 5.3 | | | | |
| 95 | 50.4 | 289 | 7.0 | 5.1 | | | | |
| 98 | 50.0 | 289 | 7.0 | 4.7 | | | | |

Table 20. Summary of August 2007 Norris Reservoir water quality parameters at Clinch River Mile 88.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|------|------|-------------|------|----------|
| 0 | 83.1 | 273 | 7.7 | 7.7 | C88 | 6.6 | 1010 | 8/1/2007 |
| 3 | 82.9 | 273 | 7.7 | 7.4 | | | | |
| 7 | 82.8 | 273 | 7.7 | 6.8 | | | | |
| 10 | 82.0 | 273 | 7.6 | 8.4 | | | | |
| 13 | 80.6 | 267 | 7.7 | 7.8 | | | | |
| 16 | 80.1 | 264 | 7.6 | 7.3 | | | | |
| 20 | 79.5 | 263 | 7.6 | 8.1 | | | | |
| 23 | 79.0 | 261 | 7.6 | 7.9 | | | | |
| 26 | 78.4 | 263 | 7.5 | 8.5 | | | | |
| 30 | 74.1 | 292 | 7.5 | 10.1 | | | | |
| 33 | 70.3 | 293 | 7.4 | 9.1 | | | | |
| 36 | 65.8 | 294 | 7.3 | 7.1 | | | | |
| 39 | 63.3 | 299 | 7.3 | 6.0 | | | | |
| 43 | 60.6 | 301 | 7.2 | 5.0 | | | | |
| 46 | 58.3 | 295 | 7.2 | 5.0 | | | | |
| 49 | 57.0 | 293 | 7.2 | 4.2 | | | | |
| 52 | 56.3 | 285 | 7.1 | 4.3 | | | | |
| 56 | 55.2 | 281 | 7.1 | 3.7 | | | | |
| 59 | 54.7 | 280 | 7.1 | 3.9 | | | | |
| 62 | 54.0 | 277 | 7.1 | 3.6 | | | | |
| 66 | 53.6 | 278 | 7.0 | 3.4 | | | | |
| 69 | 53.1 | 277 | 7.0 | 3.2 | | | | |
| 72 | 52.5 | 277 | 7.0 | 3.0 | | | | |
| 75 | 52.0 | 277 | 7.0 | 2.9 | | | | |
| 79 | 51.8 | 277 | 7.0 | 2.9 | | | | |
| 82 | 51.6 | 277 | 7.0 | 2.9 | | | | |
| 85 | 51.1 | 278 | 7.0 | 2.9 | | | | |
| 89 | 50.5 | 278 | 7.0 | 2.9 | | | | |
| 92 | 50.2 | 278 | 7.0 | 3.0 | | | | |
| 95 | 50.0 | 279 | 6.9 | 3.0 | | | | |
| 98 | 49.6 | 280 | 6.9 | 3.0 | | | | |

Table 21. Summary of August 2007 Norris Reservoir water quality parameters at Clinch River Mile 120.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 81.9 | 280 | 7.6 | 8.3 | C120 | 9.2 | 650 | 8/1/2007 |
| 3 | 81.9 | 280 | 7.8 | 8.2 | | | | |
| 7 | 81.9 | 280 | 7.8 | 8.2 | | | | |
| 10 | 81.0 | 276 | 7.8 | 8.0 | | | | |
| 13 | 80.4 | 276 | 8.0 | 7.8 | | | | |
| 16 | 79.7 | 276 | 7.9 | 7.5 | | | | |
| 20 | 79.0 | 279 | 7.8 | 6.6 | | | | |
| 23 | 78.6 | 283 | 7.7 | 5.9 | | | | |
| 26 | 76.1 | 294 | 7.6 | 3.7 | | | | |
| 30 | 71.8 | 302 | 7.4 | 3.1 | | | | |
| 33 | 68.2 | 294 | 7.3 | 3.1 | | | | |
| 36 | 65.5 | 285 | 7.3 | 2.8 | | | | |
| 39 | 61.9 | 283 | 7.2 | 2.5 | | | | |
| 43 | 59.4 | 270 | 7.2 | 2.4 | | | | |
| 46 | 57.7 | 267 | 7.2 | 2.2 | | | | |
| 49 | 56.7 | 264 | 7.1 | 2.3 | | | | |
| 52 | 55.4 | 256 | 7.1 | 2.3 | | | | |
| 56 | 54.7 | 254 | 7.0 | 2.2 | | | | |
| 59 | 54.1 | 252 | 7.0 | 2.2 | | | | |
| 62 | 53.4 | 253 | 7.0 | 2.2 | | | | |
| 66 | 52.9 | 252 | 7.0 | 2.0 | | | | |
| 69 | 52.5 | 254 | 7.0 | 2.0 | | | | |
| 72 | 52.2 | 256 | 6.9 | 1.8 | | | | |
| 75 | 51.4 | 260 | 6.9 | 1.8 | | | | |
| 79 | 51.1 | 263 | 6.9 | 1.7 | | | | |
| 82 | 50.4 | 271 | 6.9 | 1.8 | | | | |

Table 22. Summary of August 2007 Norris Reservoir water quality parameters at Powell River Mile 19.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 83.3 | 308 | 7.7 | 8.1 | P19 | 9.2 | 1115 | 8/1/2007 |
| 3 | 82.4 | 308 | 7.7 | 7.6 | | | | |
| 7 | 82.2 | 308 | 7.7 | 7.6 | | | | |
| 10 | 81.9 | 304 | 7.8 | 7.6 | | | | |
| 13 | 80.6 | 305 | 7.7 | 7.7 | | | | |
| 16 | 79.9 | 309 | 7.7 | 7.1 | | | | |
| 20 | 79.2 | 314 | 7.6 | 4.7 | | | | |
| 23 | 77.9 | 330 | 7.5 | 4.5 | | | | |
| 26 | 76.1 | 375 | 7.3 | 3.5 | | | | |
| 30 | 73.2 | 398 | 7.2 | 2.8 | | | | |
| 33 | 69.3 | 391 | 7.2 | 3.0 | | | | |
| 36 | 66.4 | 360 | 7.2 | 2.7 | | | | |
| 39 | 63.0 | 334 | 7.2 | 1.1 | | | | |
| 43 | 61.0 | 316 | 7.2 | 1.1 | | | | |
| 46 | 59.4 | 300 | 7.1 | 1.2 | | | | |
| 49 | 57.4 | 286 | 7.1 | 1.6 | | | | |
| 52 | 56.1 | 277 | 7.1 | 2.3 | | | | |
| 56 | 55.0 | 270 | 7.1 | 3.3 | | | | |
| 59 | 54.5 | 270 | 7.1 | 3.0 | | | | |
| 62 | 53.8 | 266 | 7.0 | 2.9 | | | | |
| 66 | 53.4 | 270 | 7.0 | 2.9 | | | | |
| 69 | 53.1 | 272 | 7.0 | 2.8 | | | | |
| 72 | 52.5 | 276 | 7.0 | 2.9 | | | | |
| 75 | 52.2 | 281 | 7.0 | 2.5 | | | | |
| 79 | 51.8 | 283 | 7.0 | 2.9 | | | | |
| 82 | 51.3 | 291 | 6.9 | 3.0 | | | | |
| 85 | 50.7 | 299 | 6.9 | 2.9 | | | | |
| 89 | 50.2 | 307 | 6.9 | 3.4 | | | | |
| 92 | 49.6 | 316 | 6.9 | 2.9 | | | | |
| 95 | 49.1 | 324 | 6.9 | 2.3 | | | | |
| 98 | 48.6 | 332 | 6.9 | 1.7 | | | | |

Table 23. Summary of September 2007 Norris Reservoir water quality parameters at Clinch River Mile 80.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 84.4 | 280 | 8.1 | 6.4 | C80 | 14.8 | 856 | 9/5/2007 |
| 3 | 84.4 | 280 | 8.1 | 6.5 | | | | |
| 7 | 84.4 | 280 | 8.1 | 6.7 | | | | |
| 10 | 84.4 | 280 | 8.1 | 6.7 | | | | |
| 13 | 84.4 | 280 | 8.1 | 6.7 | | | | |
| 16 | 84.4 | 280 | 8.1 | 6.3 | | | | |
| 20 | 84.4 | 280 | 8.1 | 6.4 | | | | |
| 23 | 83.5 | 278 | 8.0 | 6.0 | | | | |
| 26 | 81.0 | 273 | 8.0 | 6.0 | | | | |
| 30 | 78.3 | 267 | 7.9 | 5.4 | | | | |
| 33 | 76.1 | 264 | 7.8 | 5.9 | | | | |
| 36 | 74.7 | 267 | 7.8 | 5.9 | | | | |
| 39 | 72.1 | 272 | 7.7 | 5.6 | | | | |
| 43 | 70.2 | 275 | 7.7 | 5.4 | | | | |
| 46 | 68.0 | 275 | 7.6 | 5.2 | | | | |
| 49 | 66.2 | 276 | 7.6 | 4.6 | | | | |
| 52 | 64.4 | 278 | 7.6 | 4.6 | | | | |
| 56 | 63.0 | 281 | 7.5 | 5.0 | | | | |
| 59 | 61.5 | 282 | 7.5 | 4.5 | | | | |
| 62 | 60.6 | 285 | 7.5 | 4.7 | | | | |
| 66 | 59.2 | 289 | 7.5 | 4.1 | | | | |
| 69 | 58.1 | 288 | 7.5 | 3.2 | | | | |
| 72 | 57.2 | 284 | 7.5 | 2.2 | | | | |
| 75 | 56.5 | 283 | 7.4 | 1.9 | | | | |
| 79 | 56.1 | 282 | 7.4 | 1.7 | | | | |
| 82 | 55.6 | 281 | 7.4 | 1.7 | | | | |
| 85 | 55.2 | 279 | 7.4 | 1.4 | | | | |
| 89 | 54.9 | 278 | 7.4 | 1.4 | | | | |
| 92 | 54.5 | 276 | 7.4 | 1.5 | | | | |
| 95 | 54.0 | 274 | 7.4 | 1.5 | | | | |
| 98 | 53.6 | 272 | 7.4 | 1.4 | | | | |

Table 24. Summary of September 2007 Norris Reservoir water quality parameters at Clinch River Mile 88.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 84.0 | 265 | 8.2 | 6.8 | C88 | 11.5 | 1000 | 9/5/2007 |
| 3 | 84.2 | 264 | 8.2 | 6.2 | | | | |
| 7 | 84.2 | 264 | 8.2 | 6.3 | | | | |
| 10 | 84.2 | 264 | 8.2 | 6.3 | | | | |
| 13 | 84.2 | 264 | 8.2 | 6.1 | | | | |
| 16 | 84.0 | 263 | 8.2 | 6.0 | | | | |
| 20 | 84.0 | 263 | 8.1 | 5.8 | | | | |
| 23 | 83.8 | 263 | 8.1 | 6.0 | | | | |
| 26 | 81.1 | 278 | 8.0 | 5.6 | | | | |
| 30 | 79.3 | 285 | 8.0 | 5.2 | | | | |
| 33 | 77.2 | 308 | 7.8 | 4.7 | | | | |
| 36 | 75.2 | 317 | 7.8 | 4.4 | | | | |
| 39 | 72.9 | 334 | 7.7 | 3.1 | | | | |
| 43 | 70.3 | 322 | 7.7 | 3.4 | | | | |
| 46 | 68.4 | 309 | 7.7 | 4.0 | | | | |
| 49 | 66.6 | 303 | 7.7 | 4.0 | | | | |
| 52 | 64.2 | 295 | 7.7 | 3.7 | | | | |
| 56 | 62.8 | 289 | 7.6 | 2.4 | | | | |
| 59 | 61.2 | 285 | 7.6 | 1.4 | | | | |
| 62 | 59.7 | 281 | 7.6 | 0.6 | | | | |
| 66 | 58.6 | 278 | 7.6 | 0.4 | | | | |
| 69 | 57.9 | 277 | 7.6 | 0.3 | | | | |
| 72 | 57.0 | 273 | 7.5 | 0.2 | | | | |
| 75 | 56.7 | 271 | 7.5 | 0.2 | | | | |
| 79 | 55.9 | 267 | 7.5 | 0.2 | | | | |
| 82 | 55.6 | 265 | 7.5 | 0.2 | | | | |
| 85 | 55.0 | 263 | 7.5 | 0.2 | | | | |
| 89 | 54.5 | 261 | 7.5 | 0.2 | | | | |
| 92 | 54.1 | 258 | 7.5 | 0.2 | | | | |
| 95 | 53.8 | 258 | 7.5 | 0.2 | | | | |
| 98 | 53.4 | 257 | 7.5 | 0.2 | | | | |

Table 25. Summary of September 2007 Norris Reservoir water quality parameters at Clinch River Mile 120.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 83.7 | 280 | 8.9 | 7.4 | C120 | 9.8 | 700 | 9/5/2007 |
| 3 | 83.7 | 279 | 8.7 | 7.2 | | | | |
| 7 | 83.7 | 279 | 8.4 | 7.2 | | | | |
| 10 | 83.7 | 279 | 8.2 | 7.5 | | | | |
| 13 | 83.7 | 279 | 8.1 | 6.5 | | | | |
| 16 | 83.7 | 279 | 8.0 | 7.0 | | | | |
| 20 | 83.7 | 279 | 8.0 | 7.2 | | | | |
| 23 | 82.9 | 290 | 7.9 | 5.1 | | | | |
| 26 | 81.5 | 307 | 7.7 | 3.2 | | | | |
| 30 | 79.2 | 322 | 7.6 | 2.4 | | | | |
| 33 | 76.6 | 332 | 7.5 | 1.9 | | | | |
| 36 | 75.0 | 334 | 7.5 | 1.9 | | | | |
| 39 | 73.6 | 332 | 7.4 | 1.7 | | | | |
| 43 | 71.1 | 322 | 7.4 | 1.4 | | | | |
| 46 | 69.1 | 315 | 7.3 | 1.3 | | | | |
| 49 | 67.3 | 300 | 7.3 | 1.2 | | | | |
| 52 | 65.3 | 310 | 7.3 | 1.1 | | | | |
| 56 | 63.3 | 302 | 7.2 | 1.1 | | | | |
| 59 | 61.2 | 304 | 7.2 | 1.0 | | | | |
| 62 | 59.7 | 302 | 7.1 | 1.0 | | | | |
| 66 | 58.6 | 307 | 7.1 | 0.9 | | | | |
| 69 | 57.9 | 314 | 7.1 | 0.9 | | | | |

Table 26. Summary of September 2007 Norris Reservoir water quality parameters at Powell River Mile 19.

| Depth (ft) | Temp F | Cond | PH | DO | Site | Secchi (ft) | Time | Date |
|------------|--------|------|-----|-----|------|-------------|------|----------|
| 0 | 84.4 | 301 | 8.1 | 6.4 | P19 | 9.2 | 1116 | 9/5/2007 |
| 3 | 84.0 | 301 | 8.1 | 6.4 | | | | |
| 7 | 84.0 | 301 | 8.2 | 6.5 | | | | |
| 10 | 84.0 | 301 | 8.2 | 6.7 | | | | |
| 13 | 84.0 | 301 | 8.2 | 6.8 | | | | |
| 16 | 84.0 | 300 | 8.2 | 5.6 | | | | |
| 20 | 83.8 | 300 | 8.2 | 6.6 | | | | |
| 23 | 83.3 | 300 | 8.1 | 3.5 | | | | |
| 26 | 80.6 | 342 | 7.9 | 4.3 | | | | |
| 30 | 79.2 | 351 | 7.8 | 3.1 | | | | |
| 33 | 77.5 | 356 | 7.7 | 2.4 | | | | |
| 36 | 75.7 | 360 | 7.7 | 2.3 | | | | |
| 39 | 73.8 | 382 | 7.6 | 2.4 | | | | |
| 43 | 71.1 | 385 | 7.6 | 2.4 | | | | |
| 46 | 68.4 | 388 | 7.6 | 2.5 | | | | |
| 49 | 66.6 | 370 | 7.6 | 2.5 | | | | |
| 52 | 64.8 | 359 | 7.6 | 2.5 | | | | |
| 56 | 63.3 | 337 | 7.6 | 2.6 | | | | |
| 59 | 61.5 | 326 | 7.6 | 2.4 | | | | |
| 62 | 60.4 | 316 | 7.6 | 2.5 | | | | |
| 66 | 59.0 | 306 | 7.6 | 2.5 | | | | |
| 69 | 58.1 | 299 | 7.6 | 2.5 | | | | |
| 72 | 57.7 | 297 | 7.5 | 2.5 | | | | |
| 75 | 56.8 | 294 | 7.5 | 0.4 | | | | |
| 79 | 56.1 | 291 | 7.5 | 0.4 | | | | |
| 82 | 55.8 | 291 | 7.5 | 0.3 | | | | |
| 85 | 55.0 | 291 | 7.5 | 0.2 | | | | |
| 89 | 54.5 | 292 | 7.5 | 0.2 | | | | |
| 92 | 54.0 | 290 | 7.5 | 0.2 | | | | |
| 95 | 53.6 | 290 | 7.5 | 0.2 | | | | |
| 98 | 53.1 | 290 | 7.4 | 0.2 | | | | |

Table 27. Norris Reservoir water levels for 2007. (TVA)

| ELEVATION | MONTH | DAY | ELEVATION | MONTH | DAY | ELEVATION | MONTH | DAY |
|-----------|----------|-----|-----------|----------|-----|-----------|-------|-----|
| 999.53 | JANUARY | 1 | 996.97 | FEBRUARY | 24 | 1016.19 | APRIL | 19 |
| 999.65 | JANUARY | 2 | 997.10 | FEBRUARY | 25 | 1016.55 | APRIL | 20 |
| 999.71 | JANUARY | 3 | 997.25 | FEBRUARY | 26 | 1016.82 | APRIL | 21 |
| 999.54 | JANUARY | 4 | 997.38 | FEBRUARY | 27 | 1017.07 | APRIL | 22 |
| 999.39 | JANUARY | 5 | 997.50 | FEBRUARY | 28 | 1017.25 | APRIL | 23 |
| 999.32 | JANUARY | 6 | 997.75 | MARCH | 1 | 1017.43 | APRIL | 24 |
| 999.39 | JANUARY | 7 | 998.42 | MARCH | 2 | 1017.58 | APRIL | 25 |
| 999.51 | JANUARY | 8 | 999.30 | MARCH | 3 | 1017.78 | APRIL | 26 |
| 999.70 | JANUARY | 9 | 1000.00 | MARCH | 4 | 1017.96 | APRIL | 27 |
| 999.77 | JANUARY | 10 | 1000.39 | MARCH | 5 | 1018.13 | APRIL | 28 |
| 999.58 | JANUARY | 11 | 1000.73 | MARCH | 6 | 1018.27 | APRIL | 29 |
| 999.45 | JANUARY | 12 | 1000.96 | MARCH | 7 | 1018.41 | APRIL | 30 |
| 999.54 | JANUARY | 13 | 1001.14 | MARCH | 8 | 1018.51 | MAY | 1 |
| 999.62 | JANUARY | 14 | 1001.27 | MARCH | 9 | 1018.58 | MAY | 2 |
| 999.41 | JANUARY | 15 | 1001.41 | MARCH | 10 | 1018.67 | MAY | 3 |
| 999.12 | JANUARY | 16 | 1001.53 | MARCH | 11 | 1018.81 | MAY | 4 |
| 998.82 | JANUARY | 17 | 1001.63 | MARCH | 12 | 1018.96 | MAY | 5 |
| 998.58 | JANUARY | 18 | 1001.72 | MARCH | 13 | 1019.13 | MAY | 6 |
| 998.45 | JANUARY | 19 | 1001.81 | MARCH | 14 | 1019.24 | MAY | 7 |
| 998.67 | JANUARY | 20 | 1001.94 | MARCH | 15 | 1019.36 | MAY | 8 |
| 998.95 | JANUARY | 21 | 1002.41 | MARCH | 16 | 1019.43 | MAY | 9 |
| 998.97 | JANUARY | 22 | 1003.09 | MARCH | 17 | 1019.49 | MAY | 10 |
| 999.03 | JANUARY | 23 | 1003.86 | MARCH | 18 | 1019.54 | MAY | 11 |
| 998.99 | JANUARY | 24 | 1004.32 | MARCH | 19 | 1019.60 | MAY | 12 |
| 998.94 | JANUARY | 25 | 1004.73 | MARCH | 20 | 1019.63 | MAY | 13 |
| 998.77 | JANUARY | 26 | 1005.02 | MARCH | 21 | 1019.64 | MAY | 14 |
| 998.54 | JANUARY | 27 | 1005.25 | MARCH | 22 | 1019.66 | MAY | 15 |
| 998.45 | JANUARY | 28 | 1005.43 | MARCH | 23 | 1019.70 | MAY | 16 |
| 998.17 | JANUARY | 29 | 1005.63 | MARCH | 24 | 1019.71 | MAY | 17 |
| 998.01 | JANUARY | 30 | 1005.74 | MARCH | 25 | 1019.71 | MAY | 18 |
| 997.77 | JANUARY | 31 | 1005.91 | MARCH | 26 | 1019.72 | MAY | 19 |
| 997.42 | FEBRUARY | 1 | 1006.02 | MARCH | 27 | 1019.72 | MAY | 20 |
| 997.45 | FEBRUARY | 2 | 1006.16 | MARCH | 28 | 1019.72 | MAY | 21 |
| 997.42 | FEBRUARY | 3 | 1006.29 | MARCH | 29 | 1019.71 | MAY | 22 |
| 997.30 | FEBRUARY | 4 | 1006.40 | MARCH | 30 | 1019.69 | MAY | 23 |
| 997.17 | FEBRUARY | 5 | 1006.51 | MARCH | 31 | 1019.65 | MAY | 24 |
| 996.95 | FEBRUARY | 6 | 1006.68 | APRIL | 1 | 1019.52 | MAY | 25 |
| 996.97 | FEBRUARY | 7 | 1006.80 | APRIL | 2 | 1019.45 | MAY | 26 |
| 996.80 | FEBRUARY | 8 | 1007.06 | APRIL | 3 | 1019.39 | MAY | 27 |
| 996.66 | FEBRUARY | 9 | 1007.26 | APRIL | 4 | 1019.22 | MAY | 28 |
| 996.49 | FEBRUARY | 10 | 1007.57 | APRIL | 5 | 1019.01 | MAY | 29 |
| 996.51 | FEBRUARY | 11 | 1007.88 | APRIL | 6 | 1018.93 | MAY | 30 |
| 996.53 | FEBRUARY | 12 | 1008.13 | APRIL | 7 | 1018.84 | MAY | 31 |
| 996.54 | FEBRUARY | 13 | 1008.33 | APRIL | 8 | 1018.61 | JUNE | 1 |
| 996.46 | FEBRUARY | 14 | 1008.44 | APRIL | 9 | 1018.46 | JUNE | 2 |
| 996.37 | FEBRUARY | 15 | 1008.59 | APRIL | 10 | 1018.33 | JUNE | 3 |
| 996.28 | FEBRUARY | 16 | 1008.83 | APRIL | 11 | 1018.10 | JUNE | 4 |
| 996.33 | FEBRUARY | 17 | 1009.10 | APRIL | 12 | 1017.98 | JUNE | 5 |
| 996.37 | FEBRUARY | 18 | 1009.31 | APRIL | 13 | 1017.84 | JUNE | 6 |
| 996.38 | FEBRUARY | 19 | 1009.97 | APRIL | 14 | 1017.61 | JUNE | 7 |
| 996.45 | FEBRUARY | 20 | 1011.44 | APRIL | 15 | 1017.37 | JUNE | 8 |
| 996.47 | FEBRUARY | 21 | 1013.53 | APRIL | 16 | 1017.19 | JUNE | 9 |
| 996.53 | FEBRUARY | 22 | 1015.00 | APRIL | 17 | 1017.06 | JUNE | 10 |
| 996.73 | FEBRUARY | 23 | 1015.71 | APRIL | 18 | 1016.87 | JUNE | 11 |

Table 28. Norris Reservoir water levels for 2007. (TVA)

| ELEVATION | MONTH | DAY | ELEVATION | MONTH | DAY | ELEVATION | MONTH | DAY |
|-----------|--------|-----|-----------|-----------|-----|-----------|-----------|-----|
| 1016.67 | JUNE | 12 | 1005.15 | AUGUST | 5 | 991.66 | SEPTEMBER | 28 |
| 1016.48 | JUNE | 13 | 1004.83 | AUGUST | 6 | 991.55 | SEPTEMBER | 29 |
| 1016.34 | JUNE | 14 | 1004.53 | AUGUST | 7 | 991.44 | SEPTEMBER | 30 |
| 1016.20 | JUNE | 15 | 1004.16 | AUGUST | 8 | 991.26 | OCTOBER | 1 |
| 1016.09 | JUNE | 16 | 1003.77 | AUGUST | 9 | 991.09 | OCTOBER | 2 |
| 1016.00 | JUNE | 17 | 1003.39 | AUGUST | 10 | 990.79 | OCTOBER | 3 |
| 1015.82 | JUNE | 18 | 1003.11 | AUGUST | 11 | 990.54 | OCTOBER | 4 |
| 1015.61 | JUNE | 19 | 1002.83 | AUGUST | 12 | 990.24 | OCTOBER | 5 |
| 1015.45 | JUNE | 20 | 1002.28 | AUGUST | 13 | 990.16 | OCTOBER | 6 |
| 1015.30 | JUNE | 21 | 1001.81 | AUGUST | 14 | 989.97 | OCTOBER | 7 |
| 1015.13 | JUNE | 22 | 1001.28 | AUGUST | 15 | 989.72 | OCTOBER | 8 |
| 1015.06 | JUNE | 23 | 1000.79 | AUGUST | 16 | 989.51 | OCTOBER | 9 |
| 1014.97 | JUNE | 24 | 1000.37 | AUGUST | 17 | 989.20 | OCTOBER | 10 |
| 1014.76 | JUNE | 25 | 1000.03 | AUGUST | 18 | 988.96 | OCTOBER | 11 |
| 1014.59 | JUNE | 26 | 999.73 | AUGUST | 19 | 988.70 | OCTOBER | 12 |
| 1014.29 | JUNE | 27 | 999.20 | AUGUST | 20 | 988.53 | OCTOBER | 13 |
| 1014.03 | JUNE | 28 | 998.71 | AUGUST | 21 | 988.36 | OCTOBER | 14 |
| 1013.76 | JUNE | 29 | 998.21 | AUGUST | 22 | 988.06 | OCTOBER | 15 |
| 1013.66 | JUNE | 30 | 997.75 | AUGUST | 23 | 987.85 | OCTOBER | 16 |
| 1013.57 | JULY | 1 | 997.25 | AUGUST | 24 | 987.60 | OCTOBER | 17 |
| 1013.27 | JULY | 2 | 996.91 | AUGUST | 25 | 987.35 | OCTOBER | 18 |
| 1012.89 | JULY | 3 | 996.63 | AUGUST | 26 | 987.24 | OCTOBER | 19 |
| 1012.68 | JULY | 4 | 996.11 | AUGUST | 27 | 987.08 | OCTOBER | 20 |
| 1012.36 | JULY | 5 | 995.59 | AUGUST | 28 | 986.87 | OCTOBER | 21 |
| 1012.04 | JULY | 6 | 995.05 | AUGUST | 29 | 986.75 | OCTOBER | 22 |
| 1011.90 | JULY | 7 | 994.92 | AUGUST | 30 | 986.67 | OCTOBER | 23 |
| 1011.71 | JULY | 8 | 994.74 | AUGUST | 31 | 986.57 | OCTOBER | 24 |
| 1011.38 | JULY | 9 | 994.62 | SEPTEMBER | 1 | 986.40 | OCTOBER | 25 |
| 1011.00 | JULY | 10 | 994.47 | SEPTEMBER | 2 | 986.22 | OCTOBER | 26 |
| 1010.69 | JULY | 11 | 994.33 | SEPTEMBER | 3 | 986.07 | OCTOBER | 27 |
| 1010.43 | JULY | 12 | 994.25 | SEPTEMBER | 4 | 985.92 | OCTOBER | 28 |
| 1010.26 | JULY | 13 | 994.14 | SEPTEMBER | 5 | 985.78 | OCTOBER | 29 |
| 1010.09 | JULY | 14 | 994.04 | SEPTEMBER | 6 | 985.61 | OCTOBER | 30 |
| 1009.91 | JULY | 15 | 993.94 | SEPTEMBER | 7 | 985.43 | OCTOBER | 31 |
| 1009.61 | JULY | 16 | 993.82 | SEPTEMBER | 8 | 985.41 | NOVEMBER | 1 |
| 1009.20 | JULY | 17 | 993.71 | SEPTEMBER | 9 | 985.37 | NOVEMBER | 2 |
| 1008.88 | JULY | 18 | 993.63 | SEPTEMBER | 10 | 985.37 | NOVEMBER | 3 |
| 1008.59 | JULY | 19 | 993.62 | SEPTEMBER | 11 | 985.29 | NOVEMBER | 4 |
| 1008.23 | JULY | 20 | 993.51 | SEPTEMBER | 12 | 985.33 | NOVEMBER | 5 |
| 1007.98 | JULY | 21 | 993.39 | SEPTEMBER | 13 | 985.28 | NOVEMBER | 6 |
| 1007.77 | JULY | 22 | 993.39 | SEPTEMBER | 14 | 985.25 | NOVEMBER | 7 |
| 1007.52 | JULY | 23 | 993.30 | SEPTEMBER | 15 | 985.22 | NOVEMBER | 8 |
| 1007.21 | JULY | 24 | 993.19 | SEPTEMBER | 16 | 985.16 | NOVEMBER | 9 |
| 1007.08 | JULY | 25 | 993.08 | SEPTEMBER | 17 | 985.14 | NOVEMBER | 10 |
| 1006.82 | JULY | 26 | 992.99 | SEPTEMBER | 18 | 985.11 | NOVEMBER | 11 |
| 1006.60 | JULY | 27 | 992.89 | SEPTEMBER | 19 | 985.04 | NOVEMBER | 12 |
| 1006.86 | JULY | 28 | 992.79 | SEPTEMBER | 20 | 985.06 | NOVEMBER | 13 |
| 1006.85 | JULY | 29 | 992.64 | SEPTEMBER | 21 | 985.09 | NOVEMBER | 14 |
| 1006.69 | JULY | 30 | 992.55 | SEPTEMBER | 22 | 985.05 | NOVEMBER | 15 |
| 1006.37 | JULY | 31 | 992.43 | SEPTEMBER | 23 | 985.05 | NOVEMBER | 16 |
| 1006.12 | AUGUST | 1 | 992.31 | SEPTEMBER | 24 | 985.03 | NOVEMBER | 17 |
| 1005.86 | AUGUST | 2 | 992.14 | SEPTEMBER | 25 | 985.01 | NOVEMBER | 18 |
| 1005.55 | AUGUST | 3 | 991.99 | SEPTEMBER | 26 | 985.00 | NOVEMBER | 19 |
| 1005.35 | AUGUST | 4 | 991.82 | SEPTEMBER | 27 | 984.98 | NOVEMBER | 20 |

Table 29. Norris Reservoir water levels for 2007. (TVA)

| ELEVATION | MONTH | DAY |
|-----------|----------|-----|
| 984.96 | NOVEMBER | 21 |
| 985.01 | NOVEMBER | 22 |
| 984.91 | NOVEMBER | 23 |
| 984.89 | NOVEMBER | 24 |
| 984.86 | NOVEMBER | 25 |
| 984.99 | NOVEMBER | 26 |
| 985.01 | NOVEMBER | 27 |
| 984.99 | NOVEMBER | 28 |
| 984.95 | NOVEMBER | 29 |
| 984.94 | NOVEMBER | 30 |
| 984.91 | DECEMBER | 1 |
| 984.89 | DECEMBER | 2 |
| 984.89 | DECEMBER | 3 |
| 984.84 | DECEMBER | 4 |
| 984.80 | DECEMBER | 5 |
| 984.82 | DECEMBER | 6 |
| 984.77 | DECEMBER | 7 |
| 984.75 | DECEMBER | 8 |
| 984.79 | DECEMBER | 9 |
| 984.71 | DECEMBER | 10 |
| 984.71 | DECEMBER | 11 |
| 984.70 | DECEMBER | 12 |
| 984.69 | DECEMBER | 13 |
| 984.68 | DECEMBER | 14 |
| 984.64 | DECEMBER | 15 |
| 984.66 | DECEMBER | 16 |
| 984.67 | DECEMBER | 17 |
| 984.64 | DECEMBER | 18 |
| 984.67 | DECEMBER | 19 |
| 984.72 | DECEMBER | 20 |
| 984.63 | DECEMBER | 21 |
| 984.69 | DECEMBER | 22 |
| 984.68 | DECEMBER | 23 |
| 984.72 | DECEMBER | 24 |
| 984.71 | DECEMBER | 25 |
| 984.72 | DECEMBER | 26 |
| 984.71 | DECEMBER | 27 |
| 984.83 | DECEMBER | 28 |
| 984.89 | DECEMBER | 29 |
| 985.00 | DECEMBER | 30 |
| 985.02 | DECEMBER | 31 |

Table 30. Norris Reservoir fish habitat enhancement summary for 2007.

| LOCATION | NEW SITES | | | RENOVATED SITES | | | EXPANDED SITES | | |
|--------------|-----------|-------|-------|-----------------|-------|-------|----------------|-------|-------|
| | NUMBER | UNITS | ACRES | NUMBER | UNITS | ACRES | NUMBER | UNITS | ACRES |
| CRM 83.0 L* | | | | 1 | 200 | 4.00 | | | |
| PRM 98.25 R* | | | | 1 | 75 | 1.50 | | | |
| TOTAL | | | | 2 | 275 | 5.50 | | | |

*Christmas trees, pallets and block

Table 31. Length range and weighted mean length by age of striped bass from the 2007 Norris winter gill net sample.

| AGE | Minimum length at capture | Weighted mean length at capture | Maximum length at capture | N |
|-----|---------------------------|---------------------------------|---------------------------|----|
| 2 | 14.3 | 18.3 | 19.6 | 20 |
| 3 | 17.8 | 22.8 | 26.4 | 20 |
| 4 | 25.2 | 27.5 | 28.9 | 8 |
| 5 | 29.8 | 29.8 | 29.8 | 1 |
| 6 | 32.3 | 32.3 | 32.3 | 1 |

Table 32. Length range and weighted mean length by age of walleye from Norris Reservoir 2007 winter gill net sample.

| AGE | Minimum length at capture | Weighted mean length at capture | Maximum length at capture | N |
|-----|---------------------------|---------------------------------|---------------------------|----|
| 1 | 10.3 | 11.7 | 13.2 | 3 |
| 2 | 15.6 | 16.6 | 18.7 | 27 |
| 3 | 17.0 | 18.4 | 20.8 | 13 |
| 4 | 17.6 | 18.9 | 22.4 | 23 |
| 5 | 18.8 | 19.5 | 20.1 | 5 |
| 6 | 18.8 | 19.8 | 20.8 | 4 |
| 7 | 19.8 | 21.5 | 24.0 | 4 |

Figures

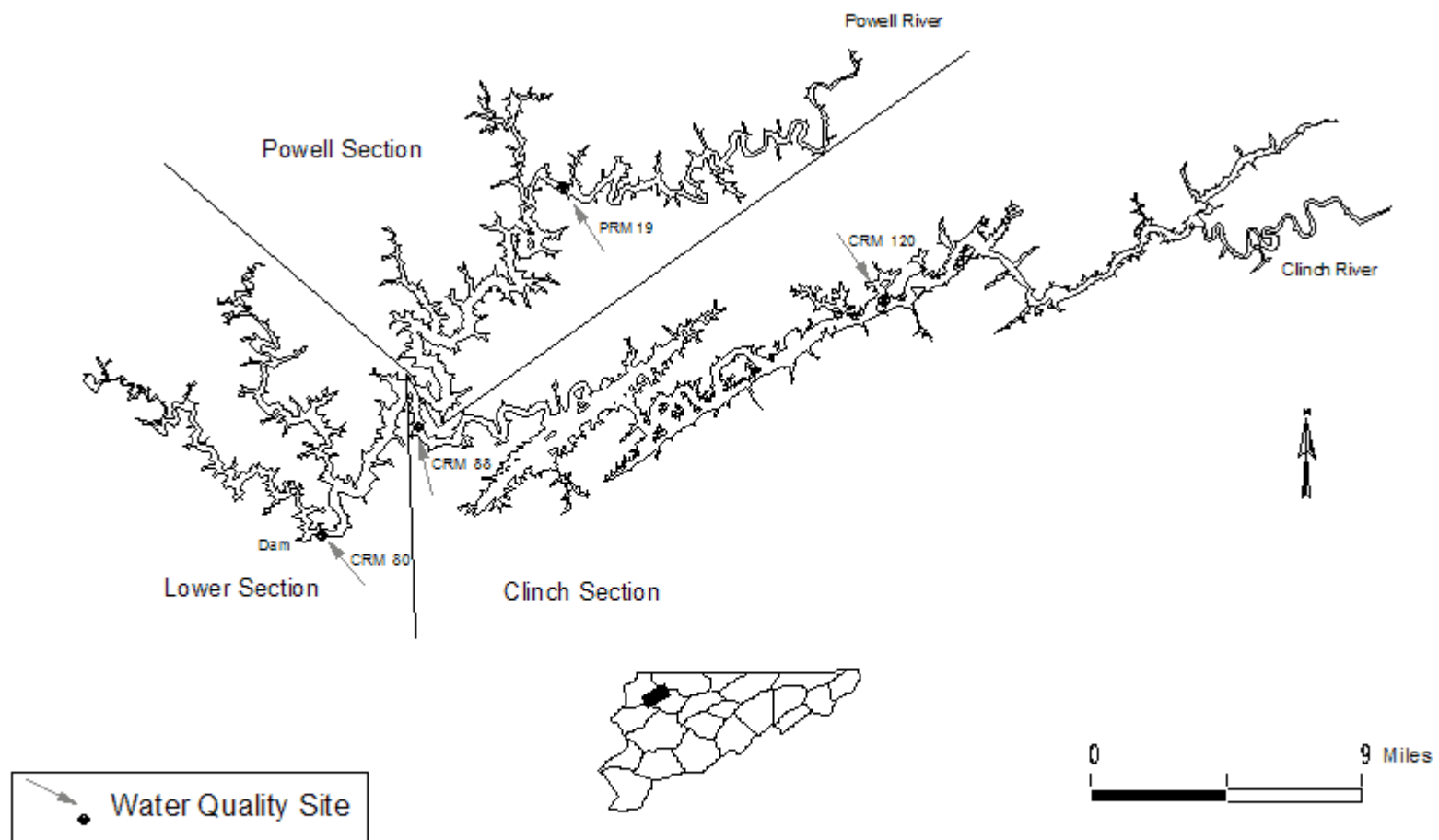


Figure 1. Water quality sites and the Clinch, Powell and lower section boundaries of Norris Reservoir in 2007.

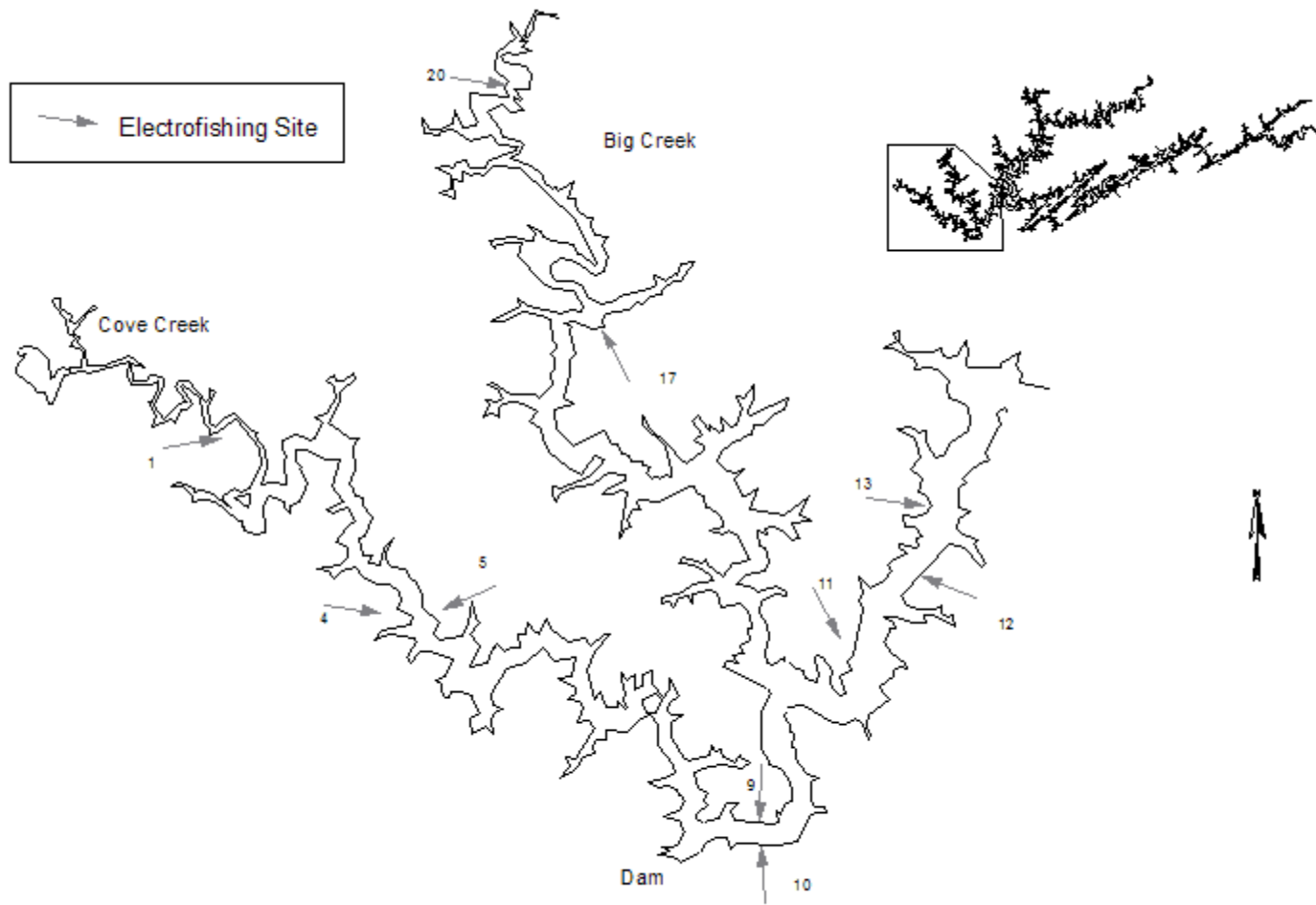


Figure 2. Electrofishing sites in the lower section of Norris Reservoir in 2007



Figure 3. Electrofishing sites in the Powell section of Norris Reservoir in 2007.

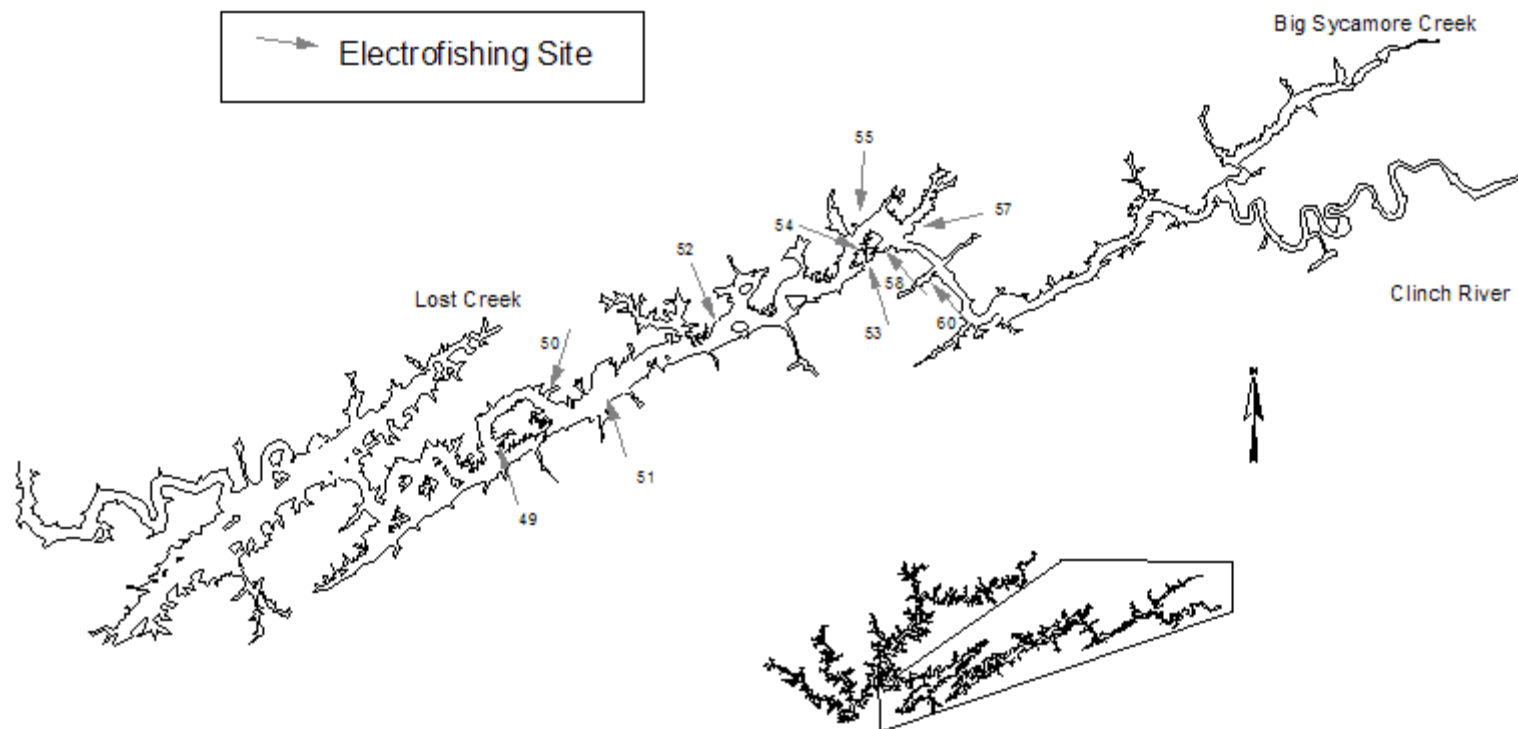


Figure 4. Electrofishing sites in the Clinch section of Norris Reservoir in 2007.

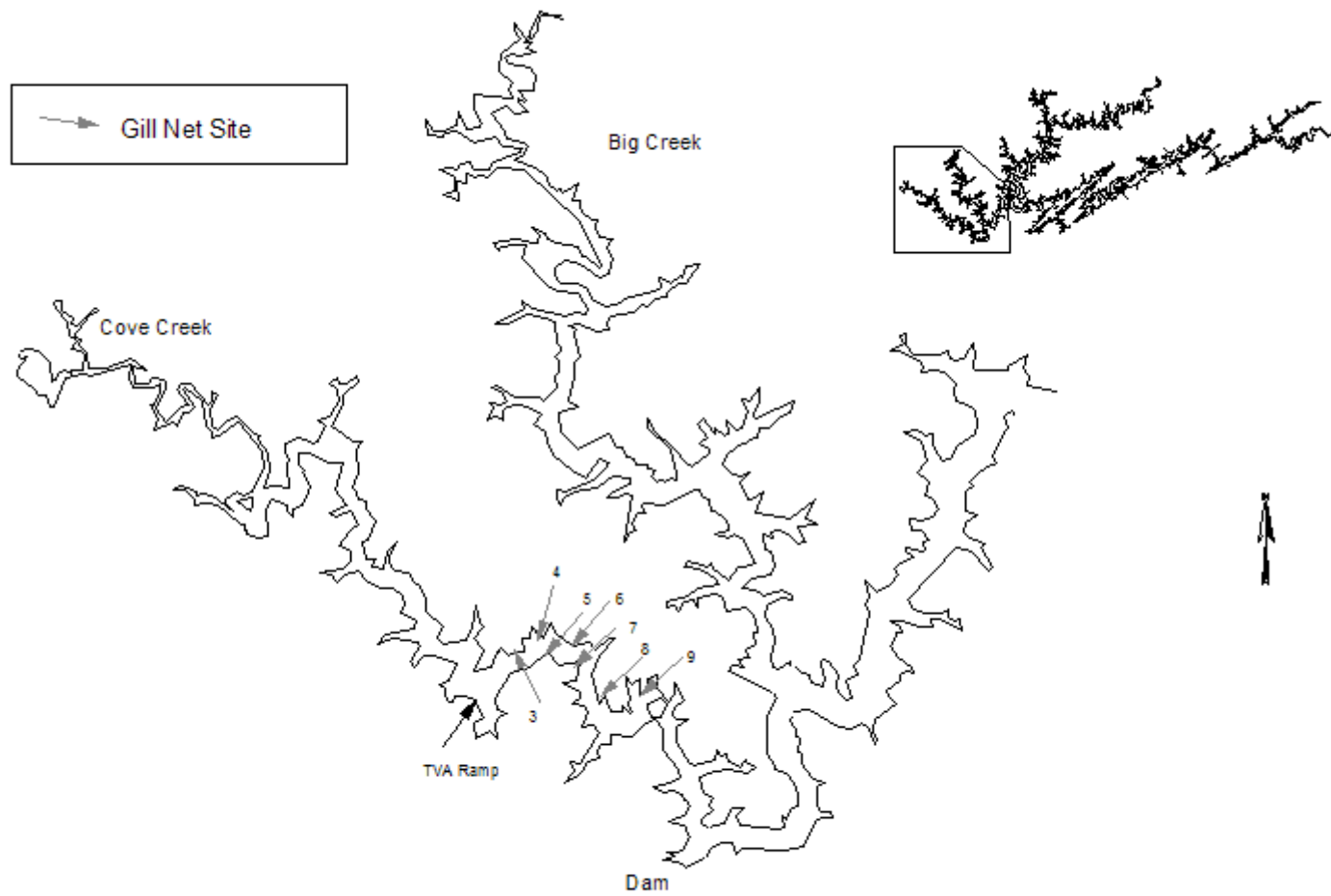


Figure 5. Gill net sites in the Cove Creek area of Norris Reservoir in 2007.

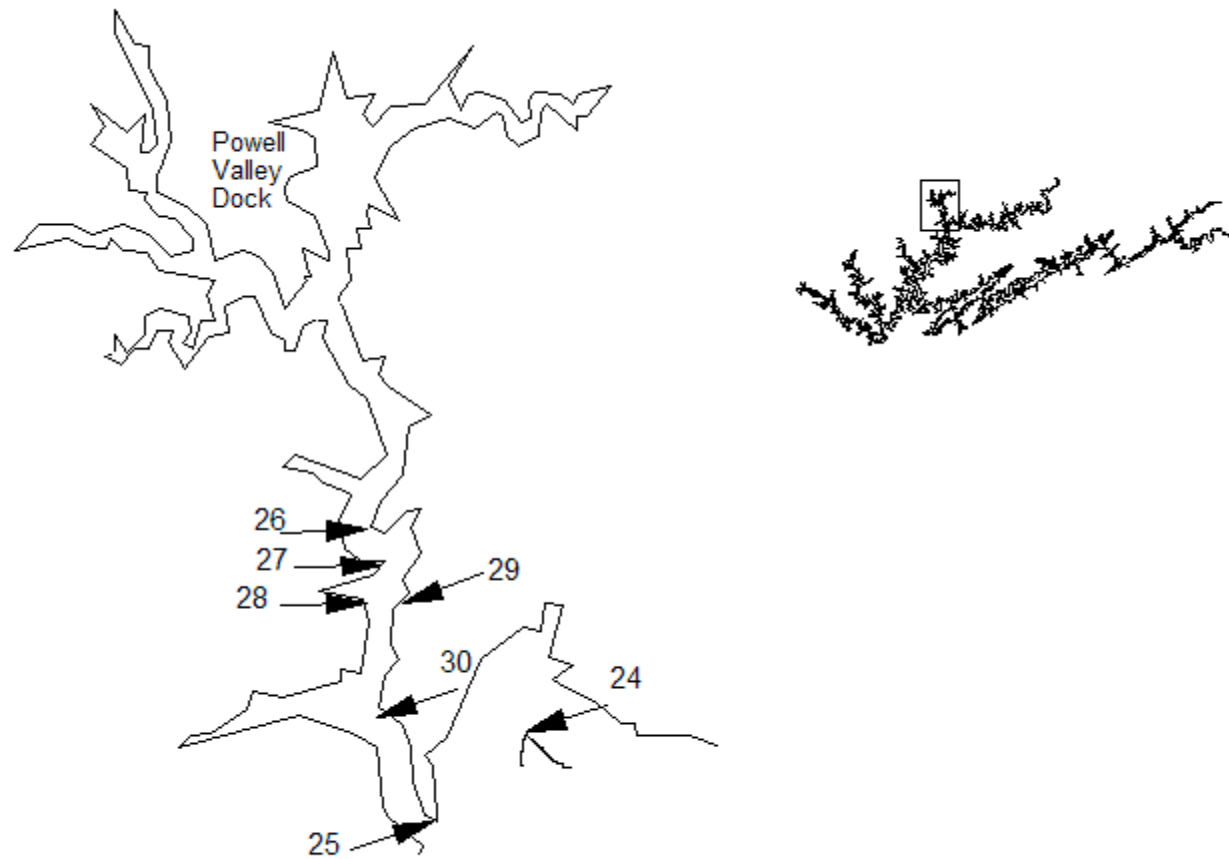


Figure 6. Winter gill net sites in the Davis Creek area of Norris Reservoir in 2007.

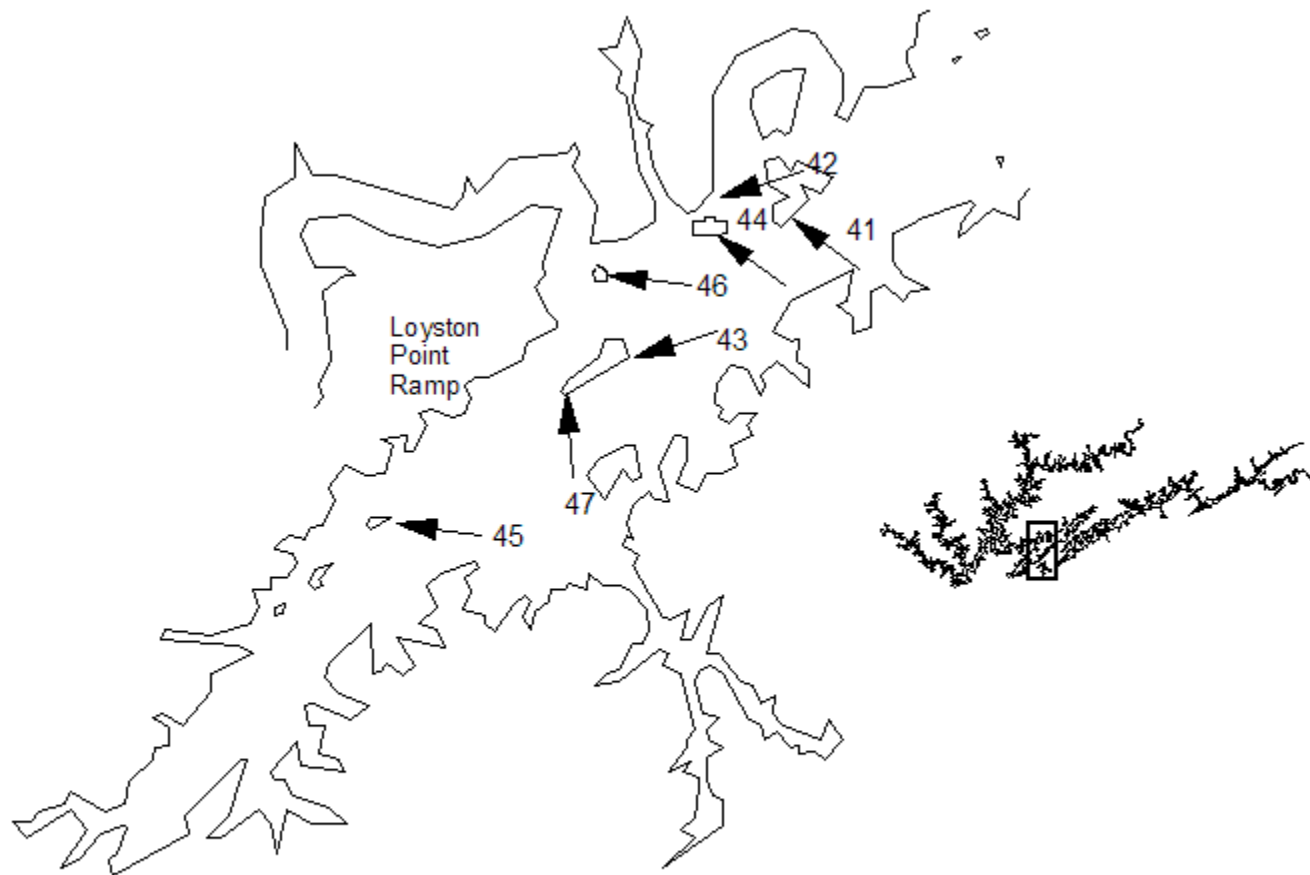


Figure 7. Winter gill net sites in the Loyston Sea area of Norris Reservoir in 2007.

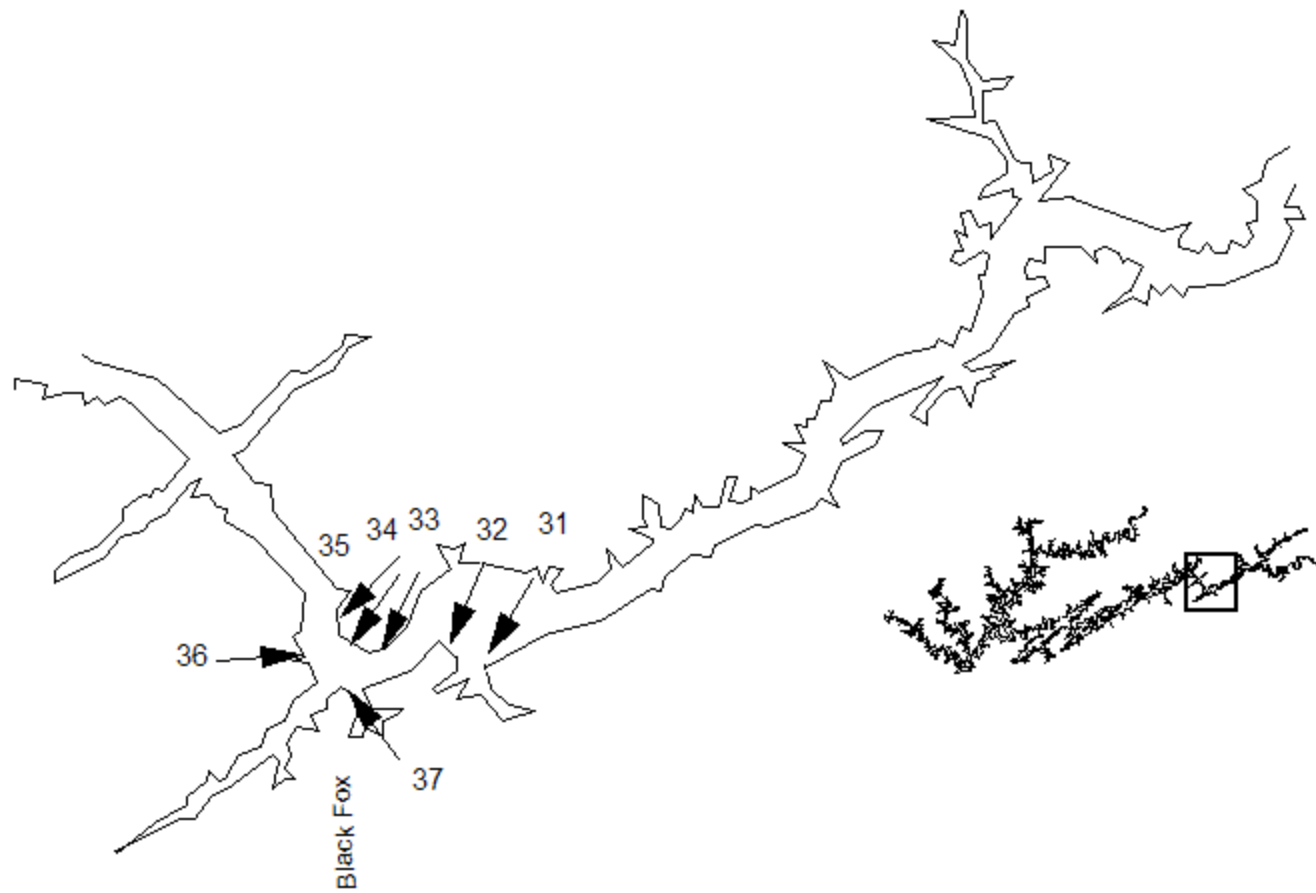


Figure 8. Winter gill net sites in the upper Clinch area of Norris Reservoir in 2007.

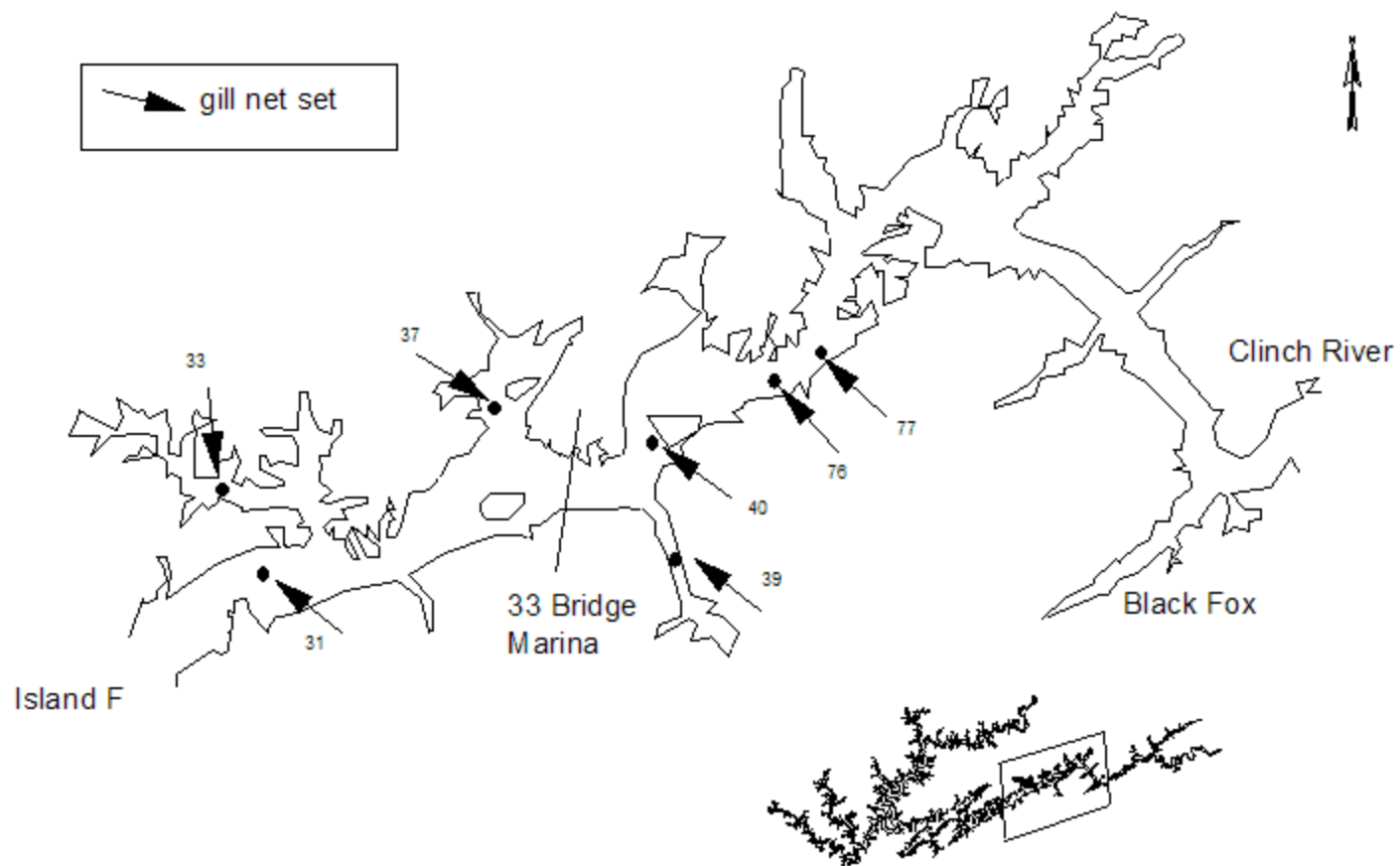


Figure 9. Summer shad gill net sites in the Clinch section of Norris Reservoir in 2007.

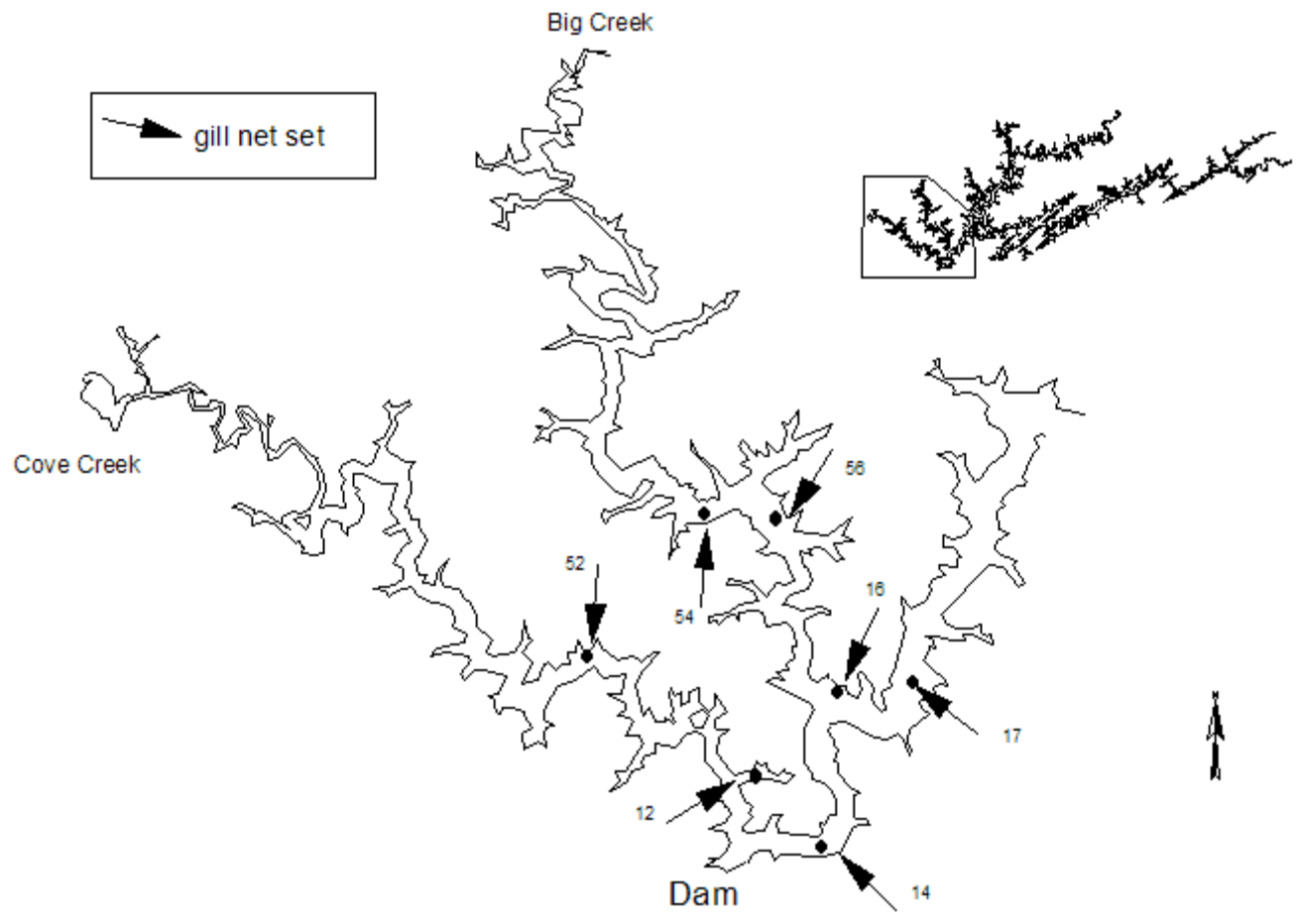


Figure 10. Summer shad gill net sites in the lower section of Norris Reservoir in 2007.

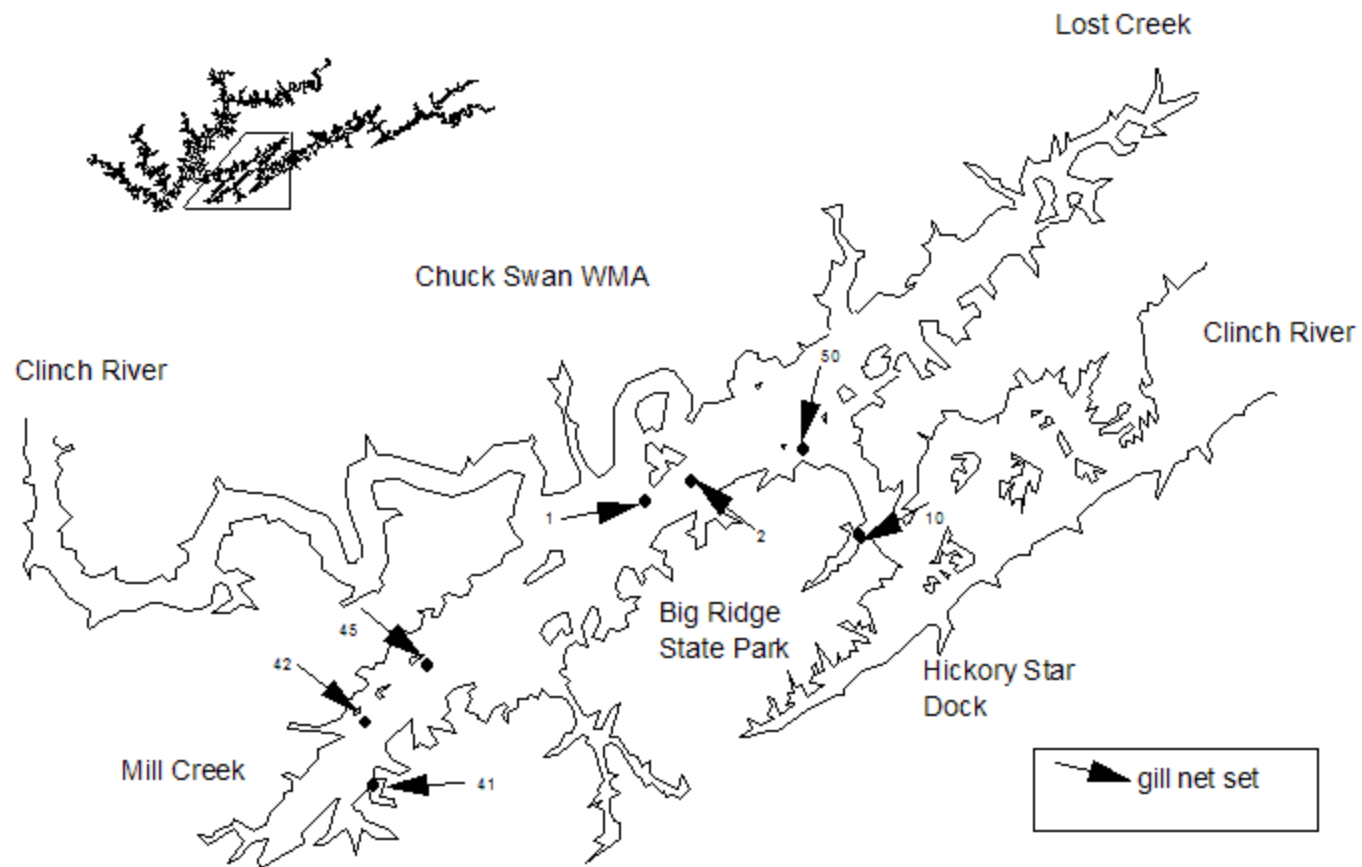


Figure 11. Summer shad gill net sites in the Loyston Sea area of Norris Reservoir in 2007.

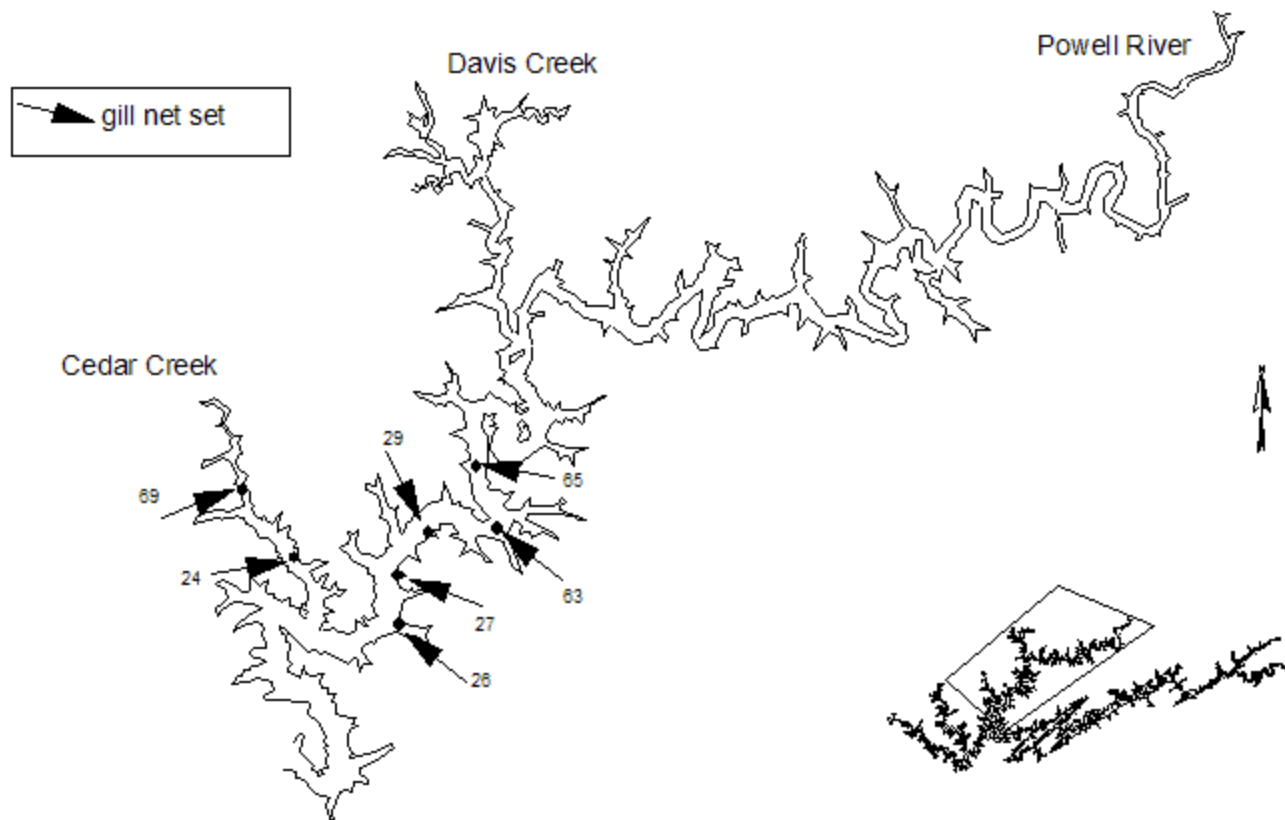


Figure 12. Summer shad gill net sites in the Powell Arm of Norris Reservoir in 2007.



Figure 13. Trap net sites in the Loyston Sea area of Norris Reservoir in 2007.

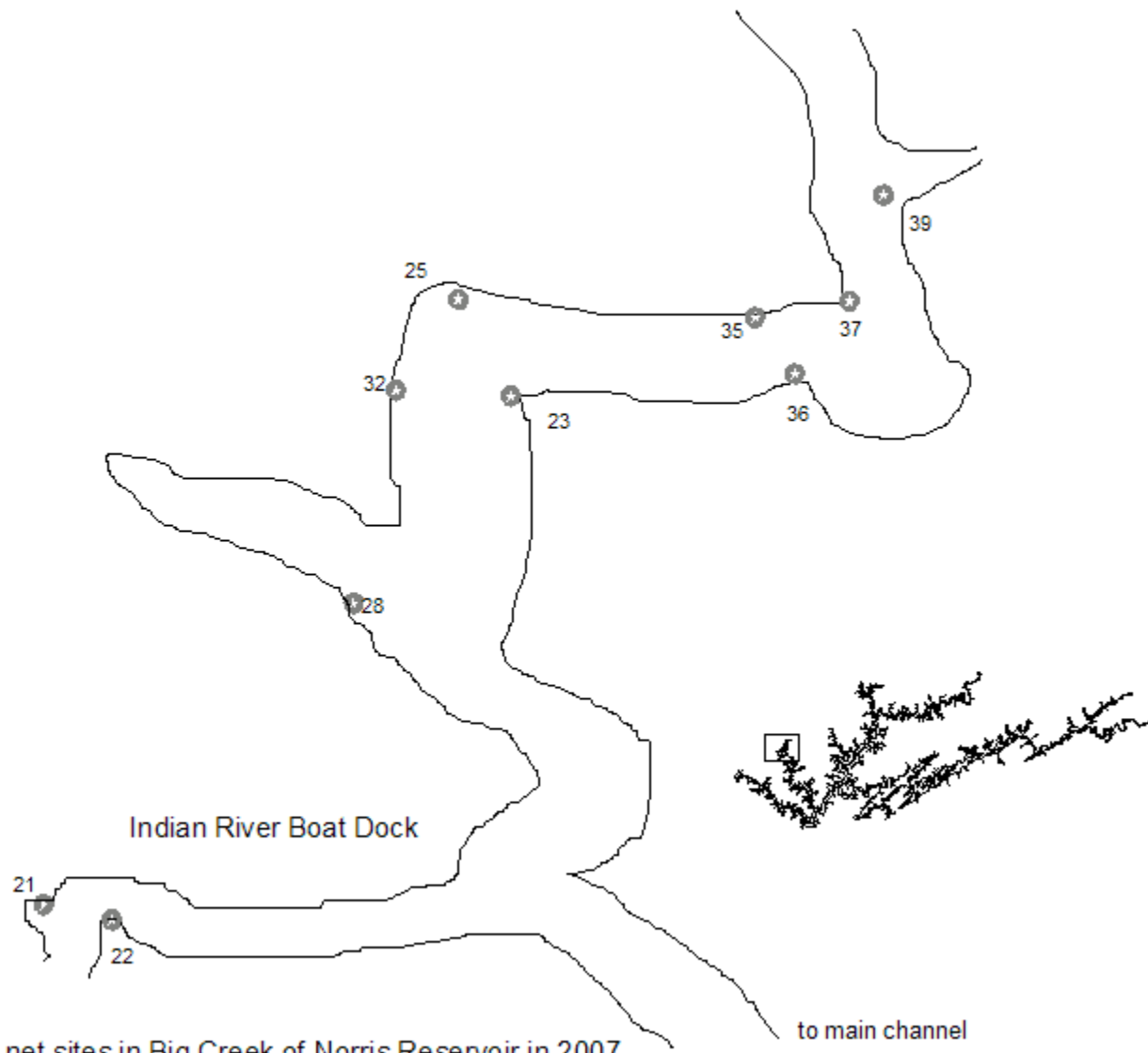


Figure 14. Trap net sites in Big Creek of Norris Reservoir in 2007

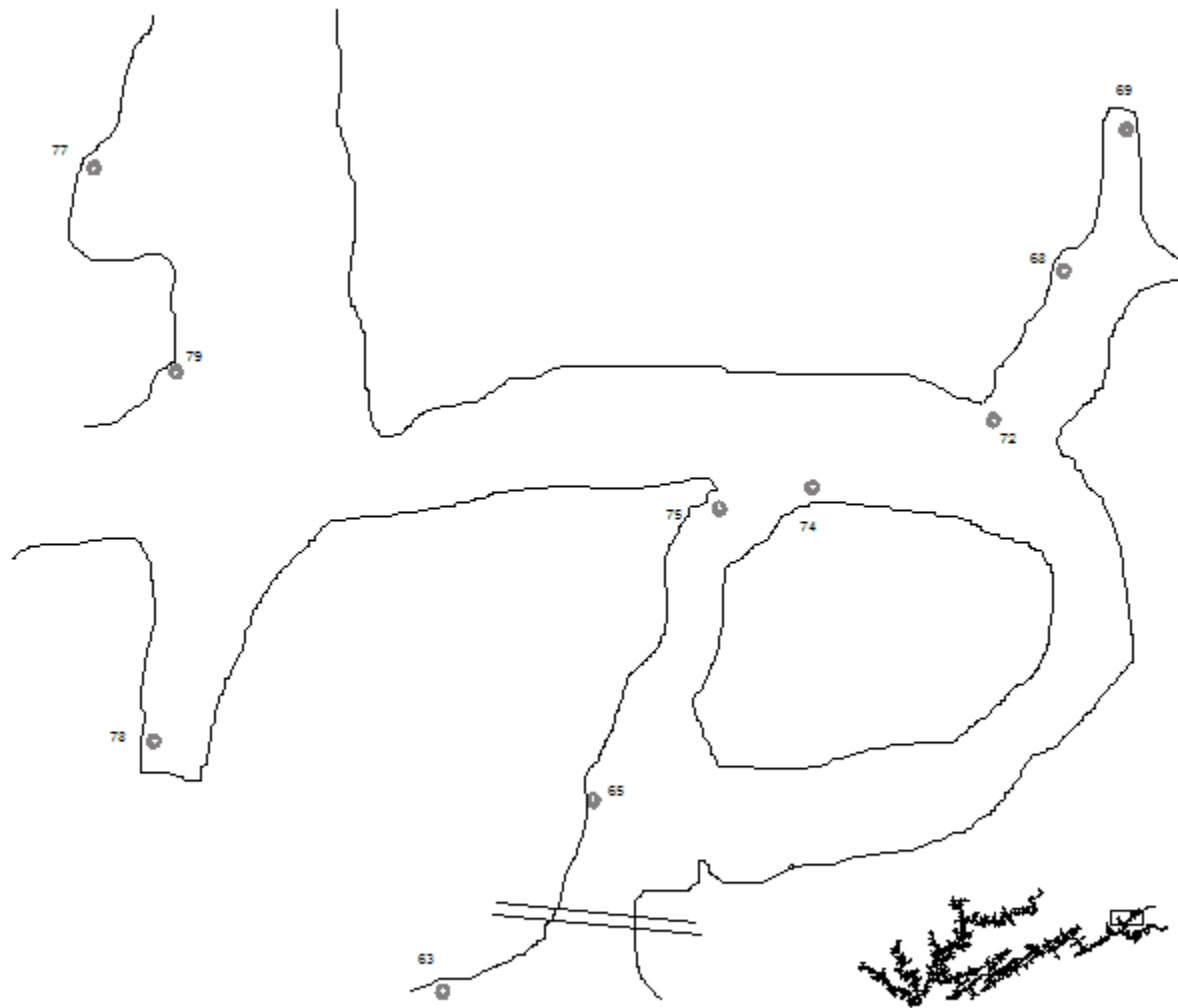


Figure 15. Trap net sites in the Big Sycamore Creek area of Norris Reservoir in 2007.

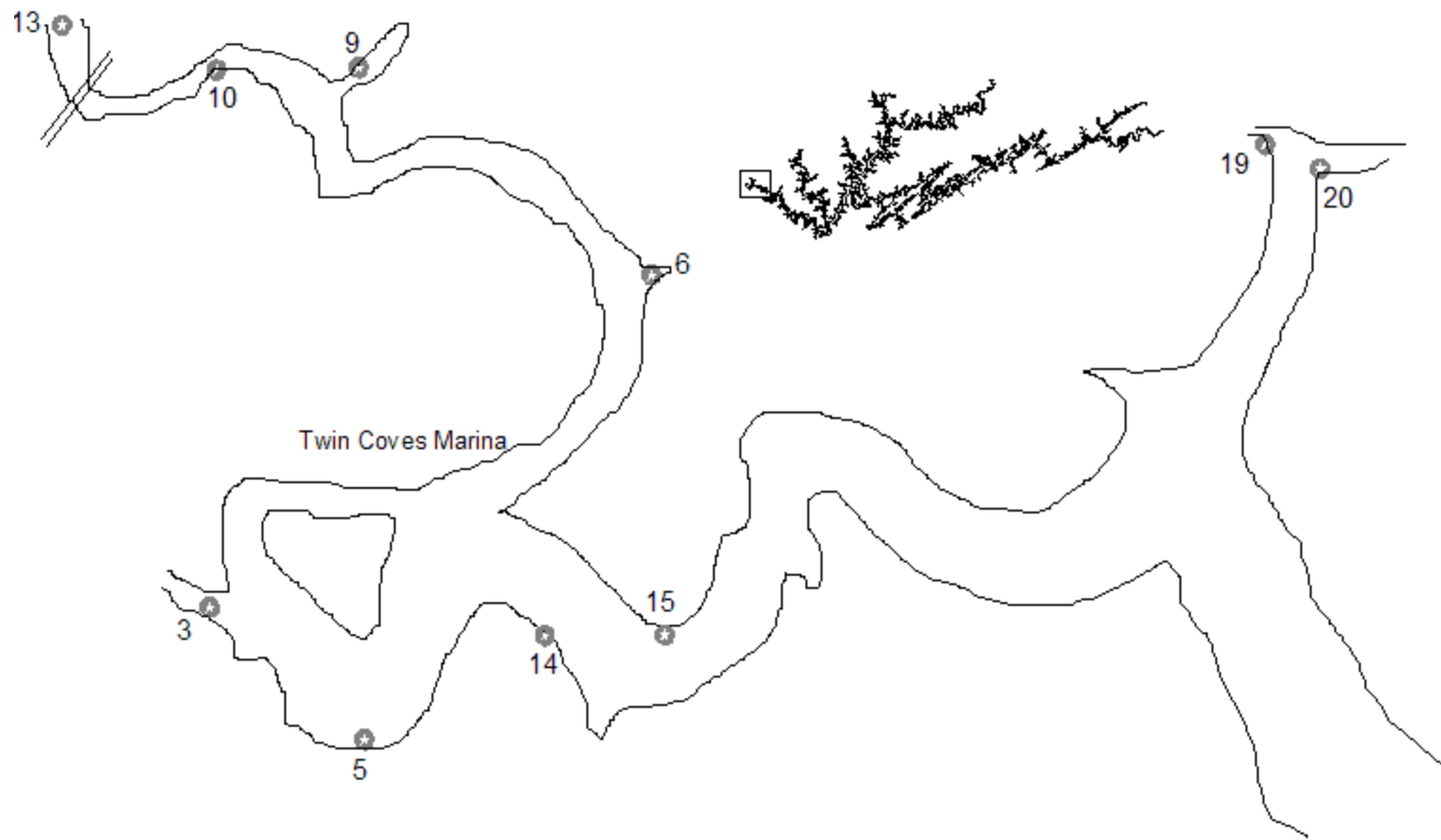


Figure 16. Trap net sites in the Cove Creek area of Norris Reservoir in 2007.

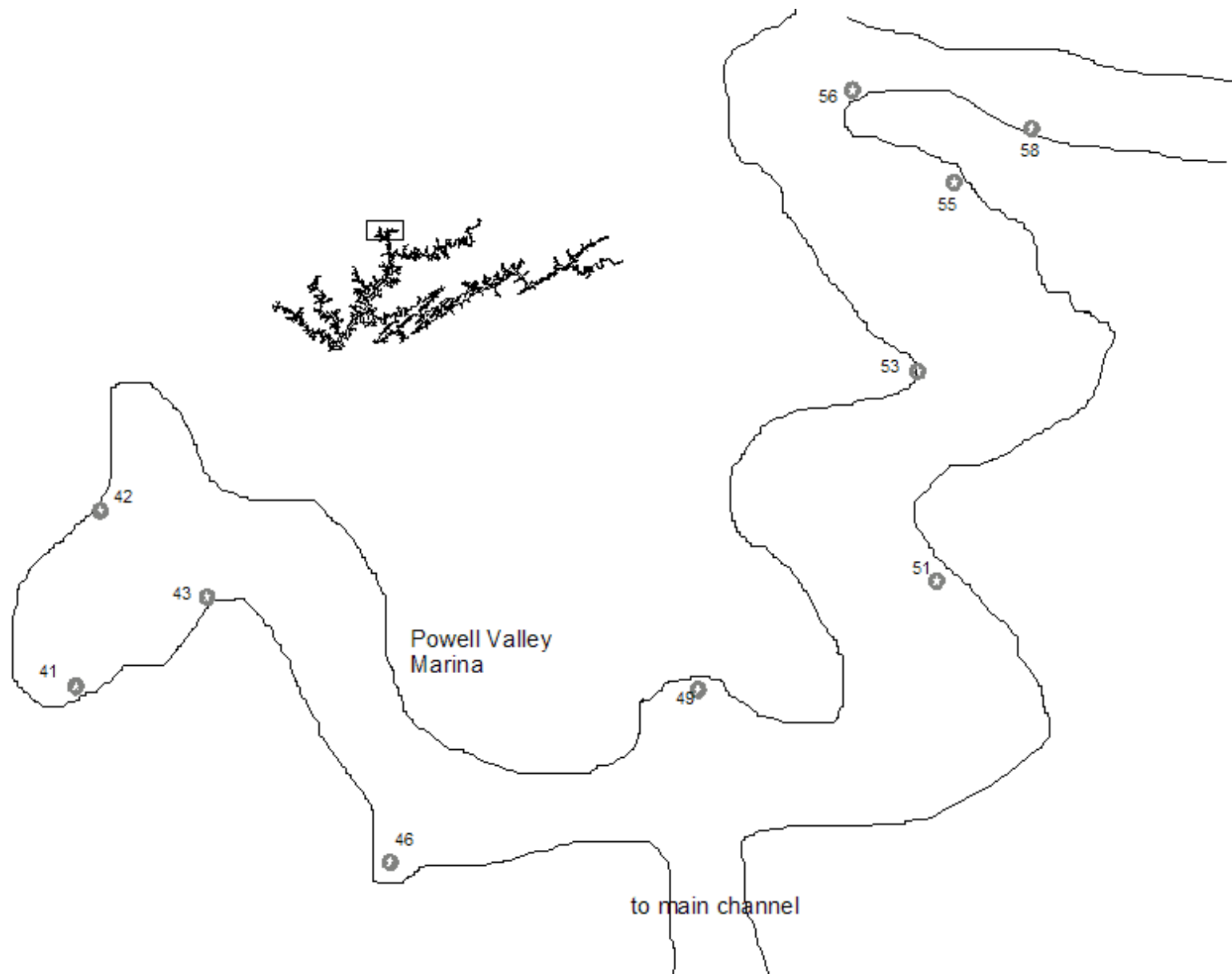


Figure 17. Trap net sites in the Davis Creek area of Norris Reservoir in 2007.

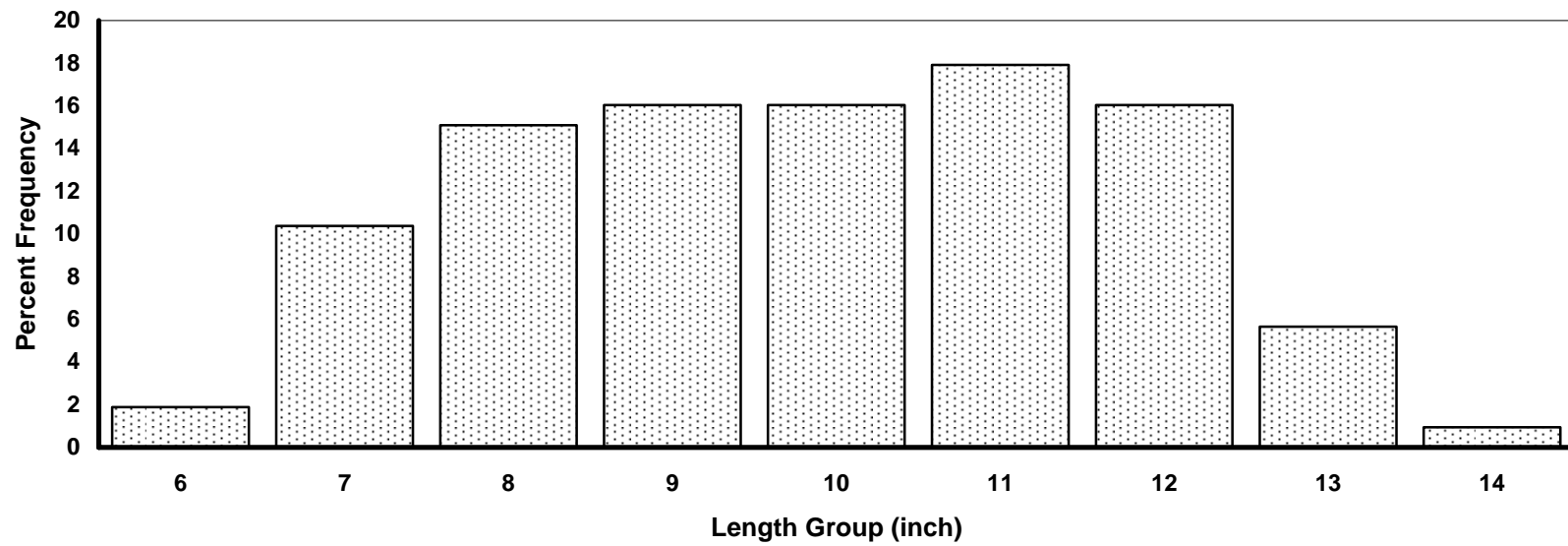


Figure 18. Norris Reservoir black crappie length frequency by percent for the 2007 electrofishing sample (n=106).

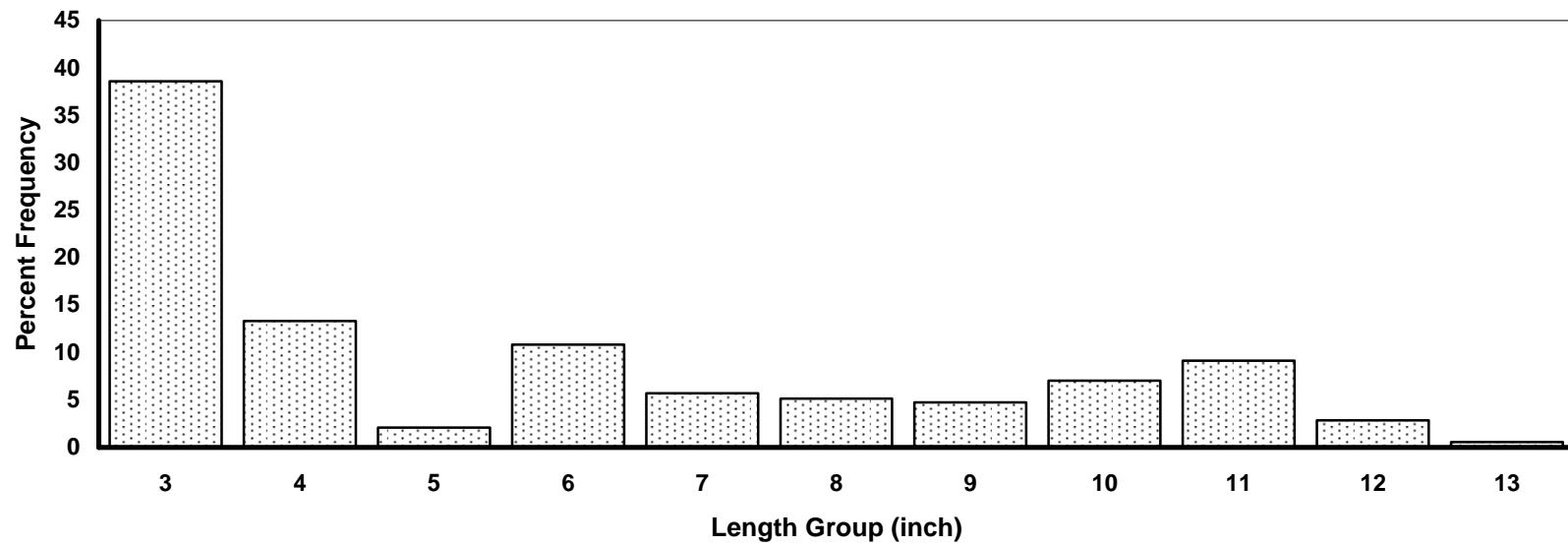


Figure 19. Norris Reservoir black crappie length frequency by percent for the 2007 trap net sample (n=526).

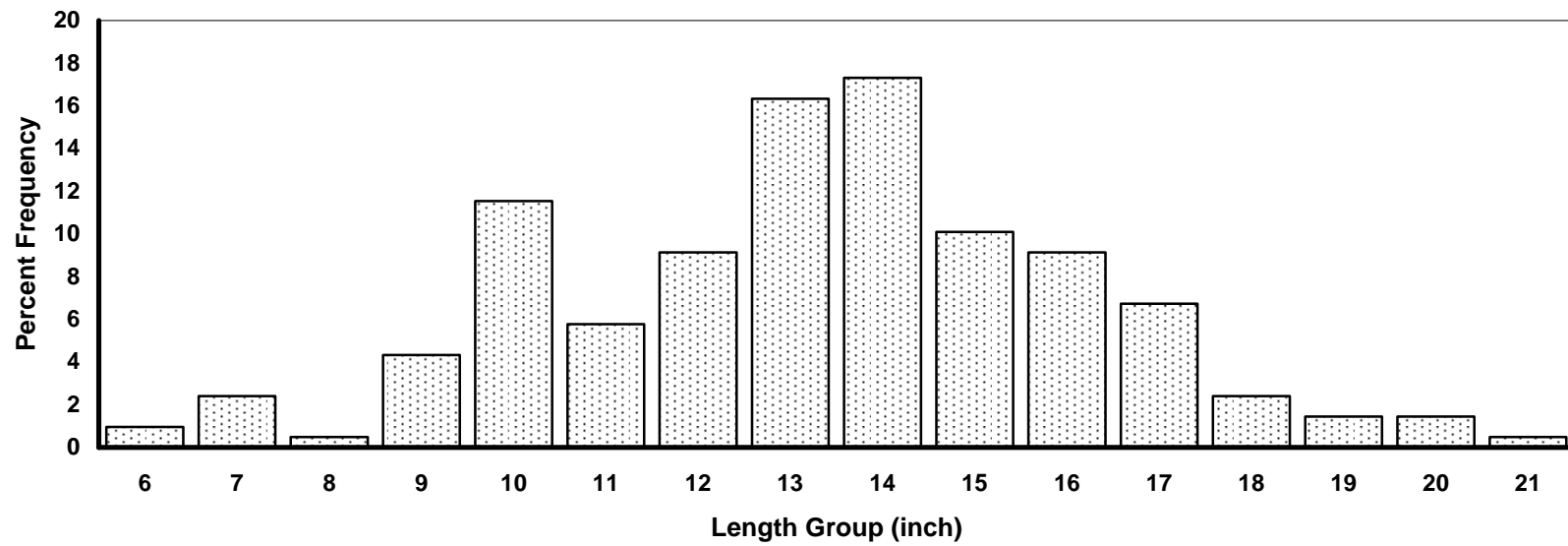


Figure 20. Norris Reservoir largemouth bass length frequency by percent for the 2007 electrofishing sample (n=208).

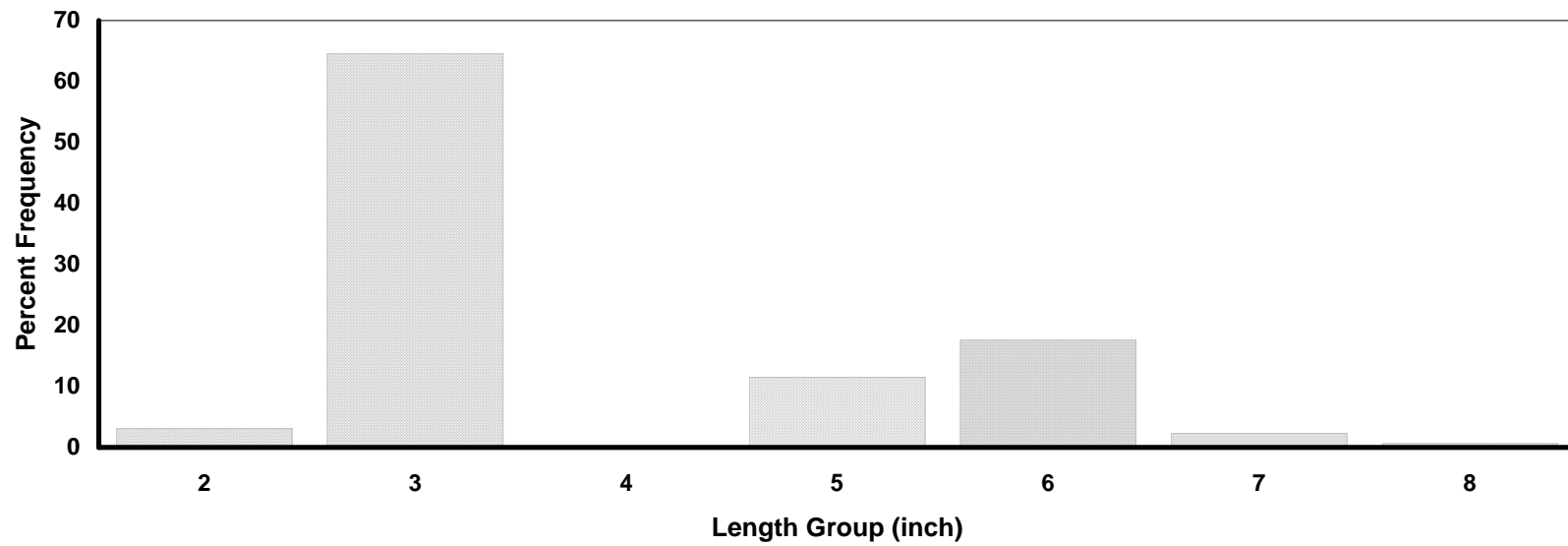


Figure 21. Norris Reservoir alewife length frequency by percent for 2007 shad gill netting sample (n=130).

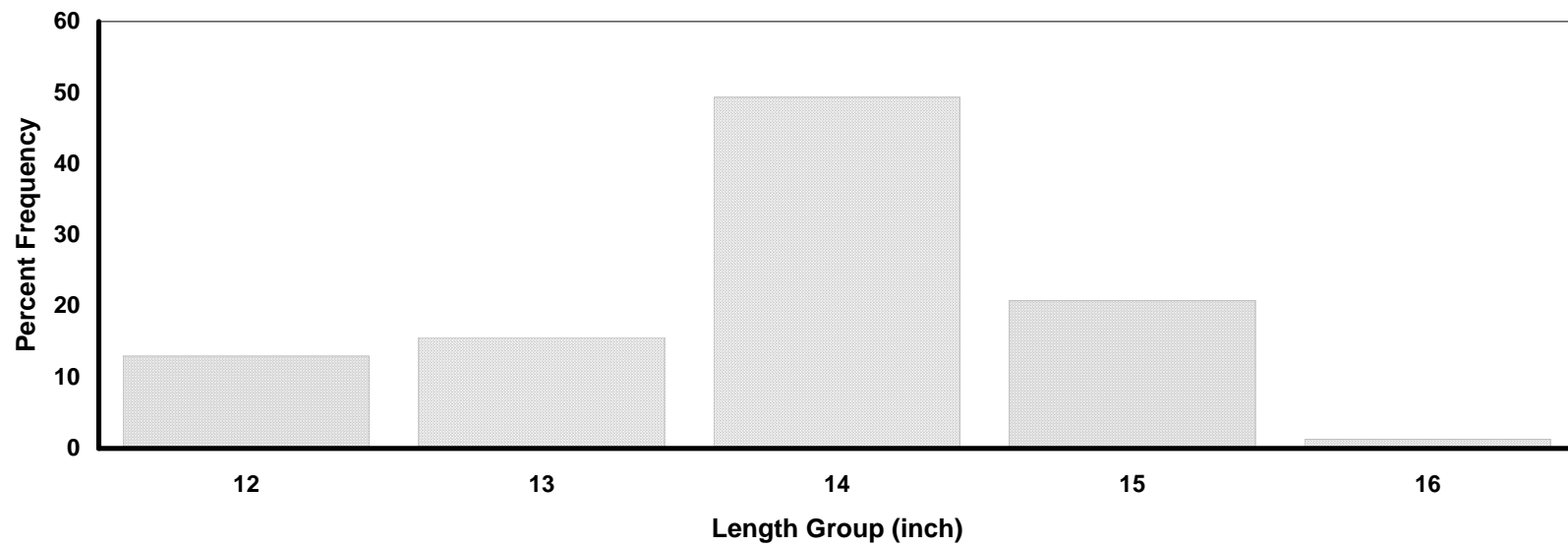


Figure 22. Norris Reservoir gizzard shad length frequency by percent for 2007 shad gill netting sample (n=77).

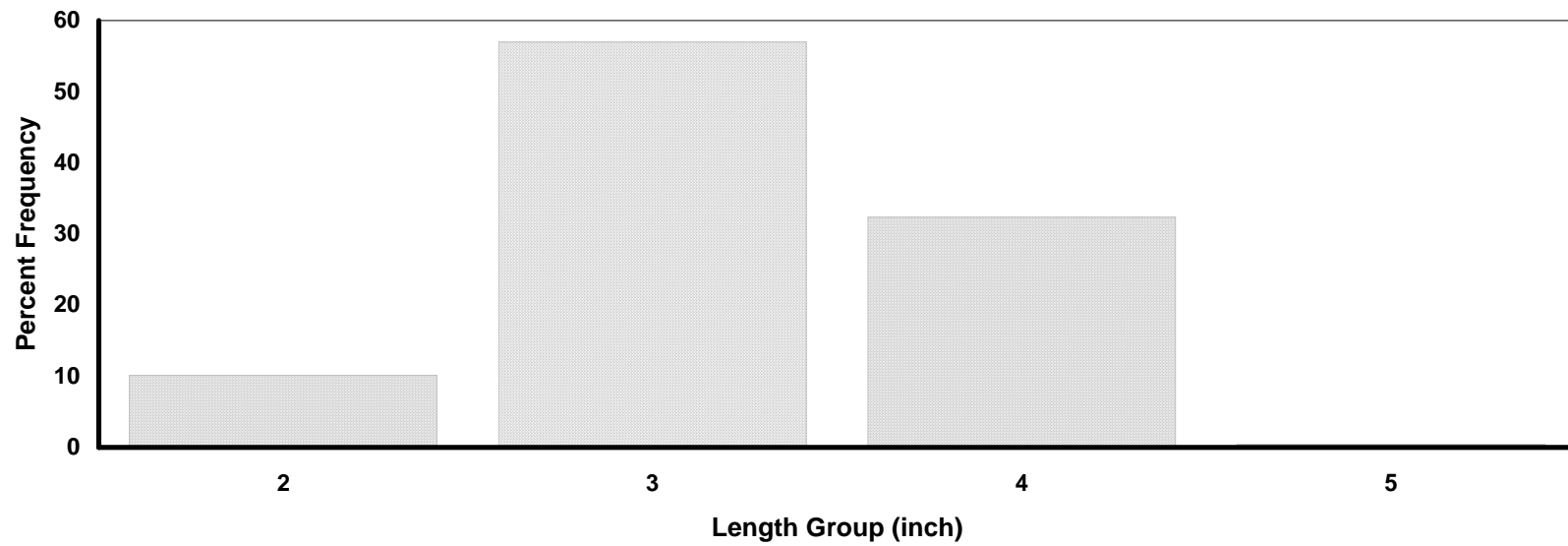


Figure 23. Norris Reservoir threadfin shad length frequency by percent for 2007 shad gill netting sample (n=207).

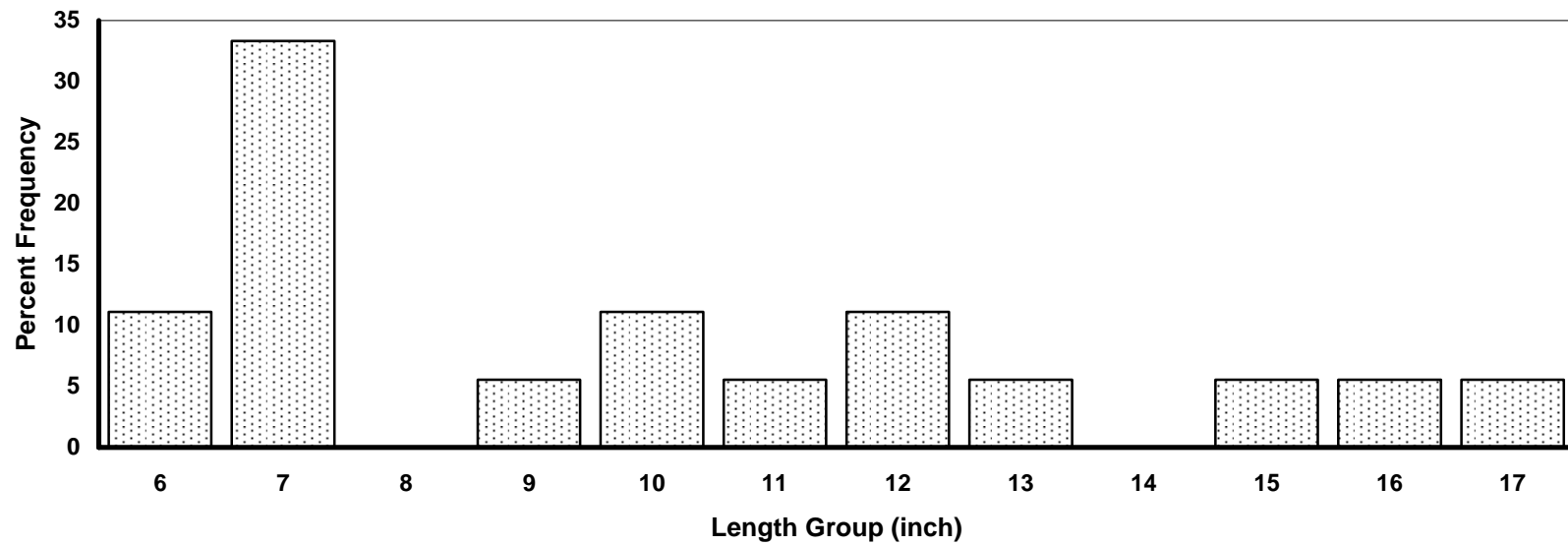


Figure 24. Norris Reservoir smallmouth bass length frequency by percent for the 2007 electrofishing sample (n=18).

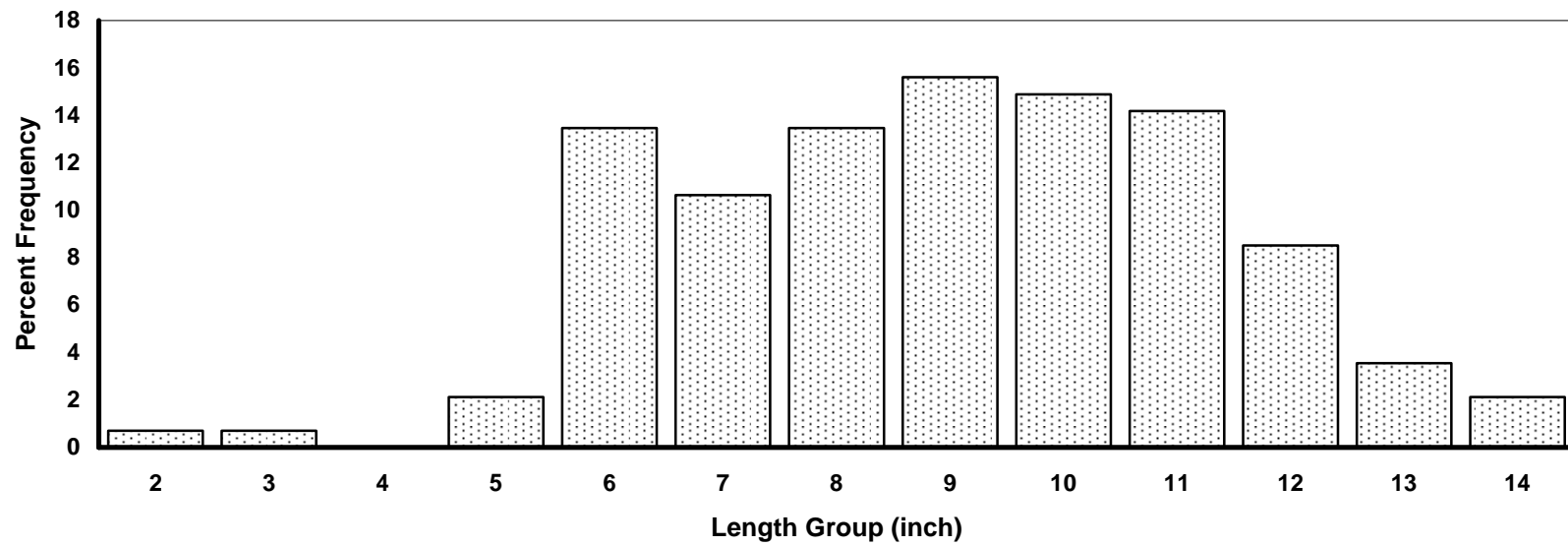


Figure 25. Norris Reservoir spotted bass length frequency by percent for the 2007 electrofishing sample (n=141).

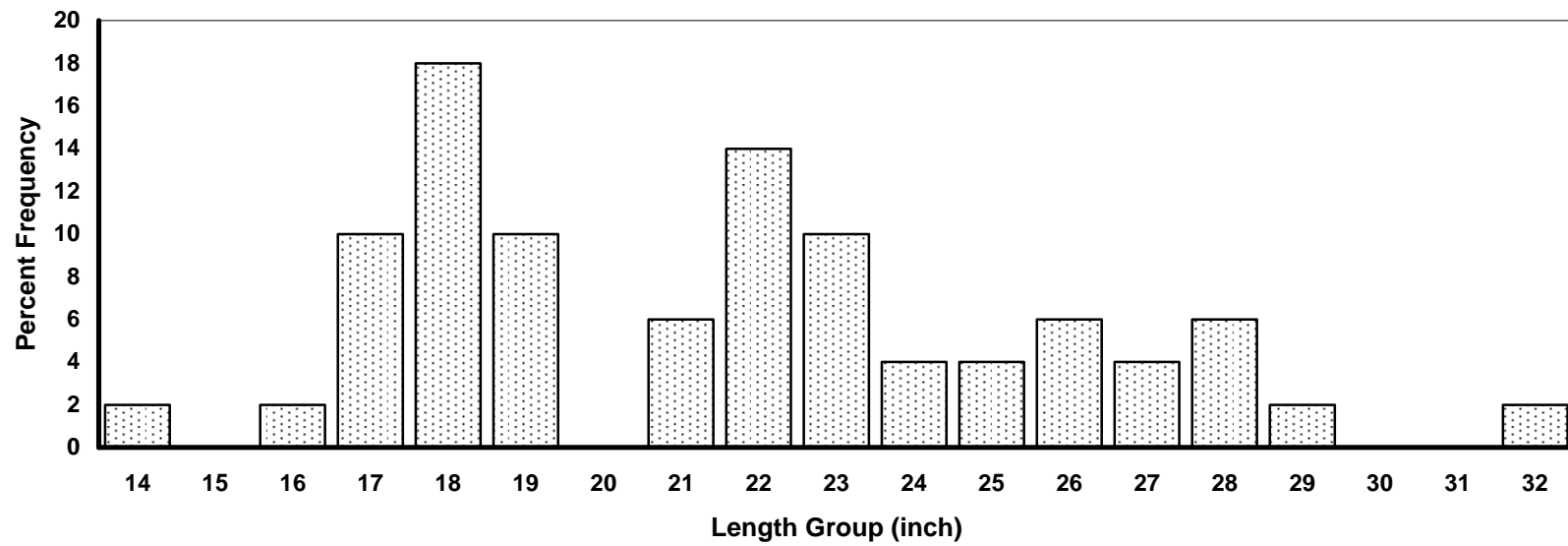


Figure 26. Norris Reservoir striped bass length frequency by percent for the 2007 gill net sample (n=50).

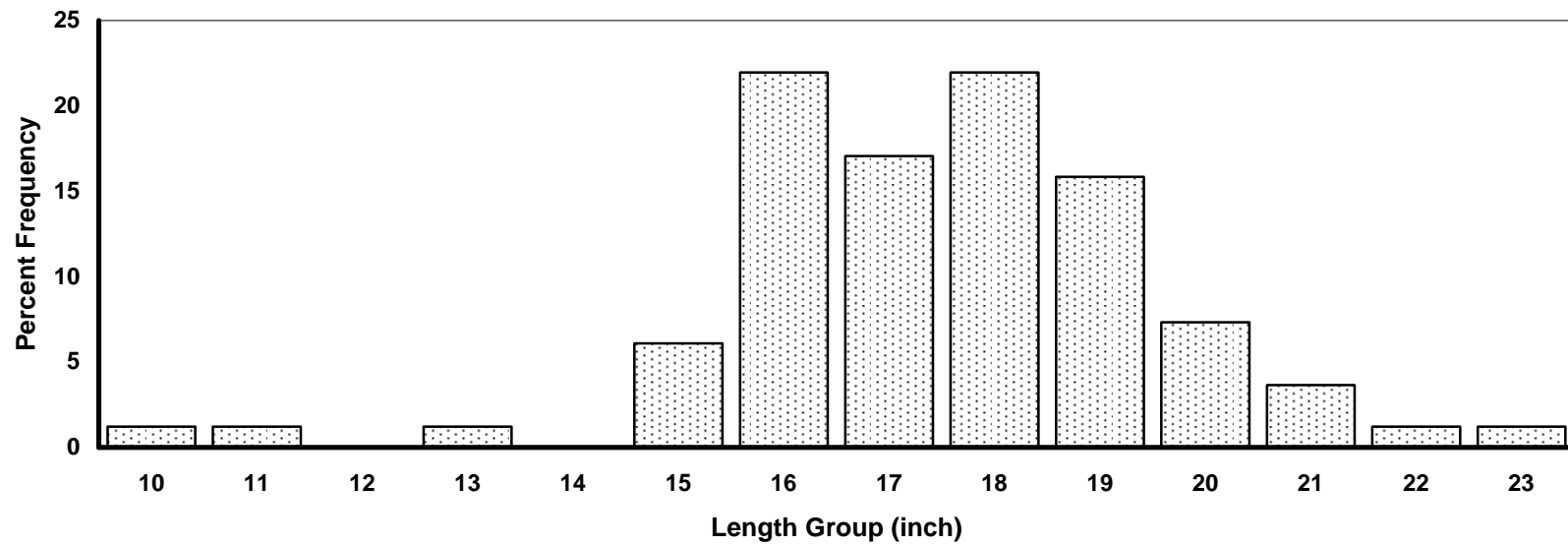


Figure 27. Norris Reservoir walleye length frequency by percent for the 2007 gill net sample (n=82).

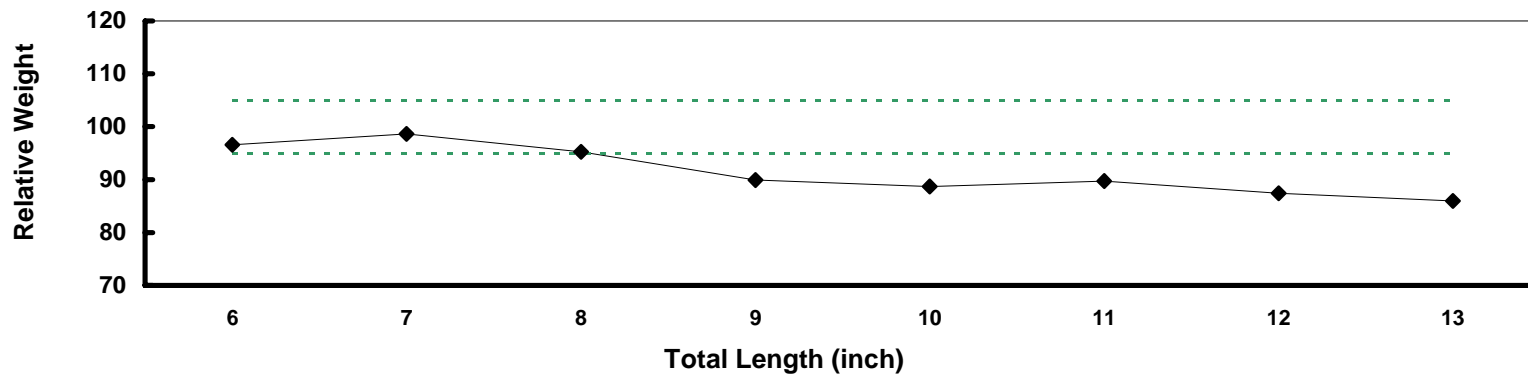


Figure 28. Norris Reservoir black crappie mean relative weight values from the 2007 electrofishing sample (n=105).

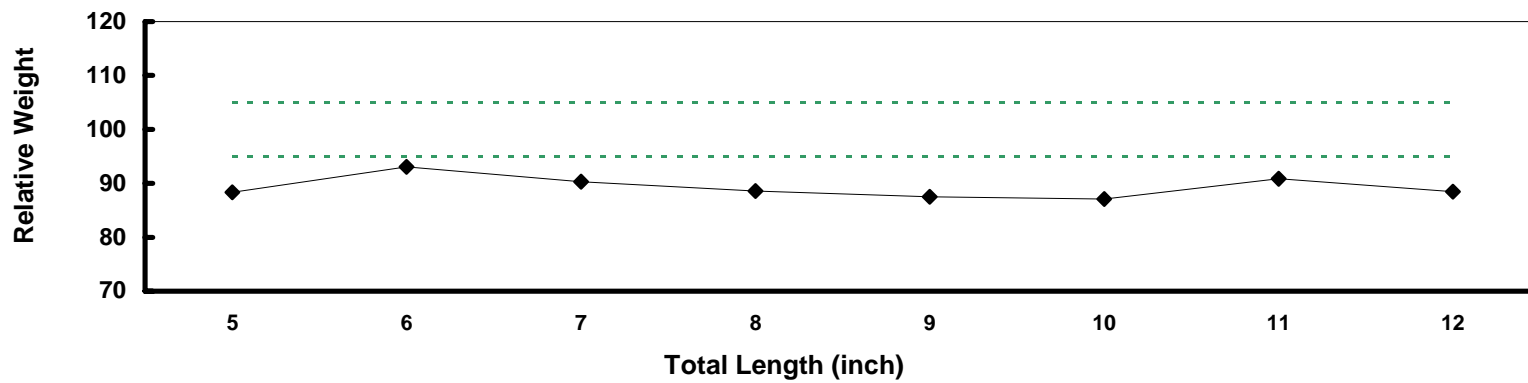


Figure 29. Norris Reservoir black crappie mean relative weight values from the 2007 trap net sample (n=233).

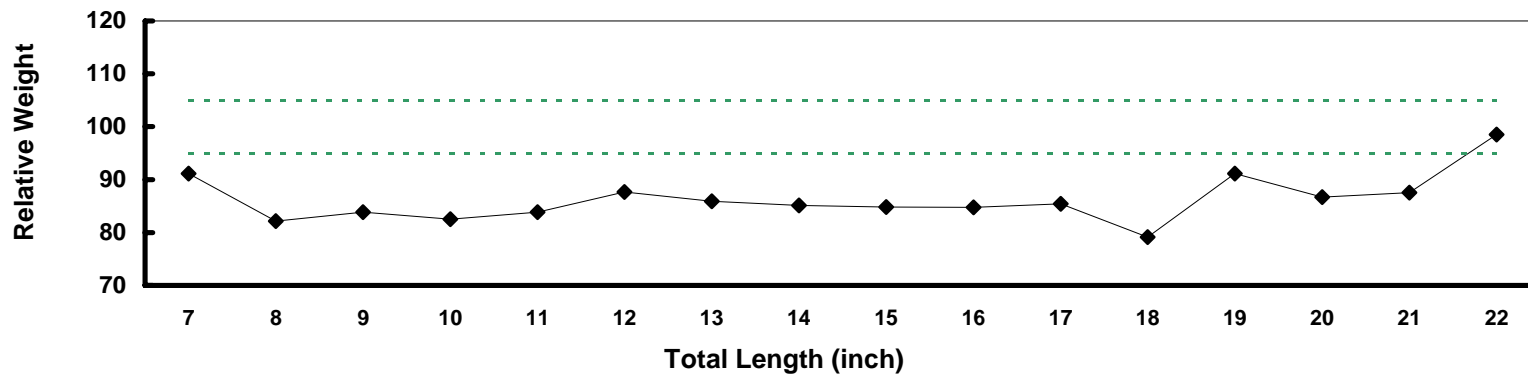


Figure 30. Norris Reservoir largemouth bass mean relative weight values from the 2007 electrofishing sample (n=201).

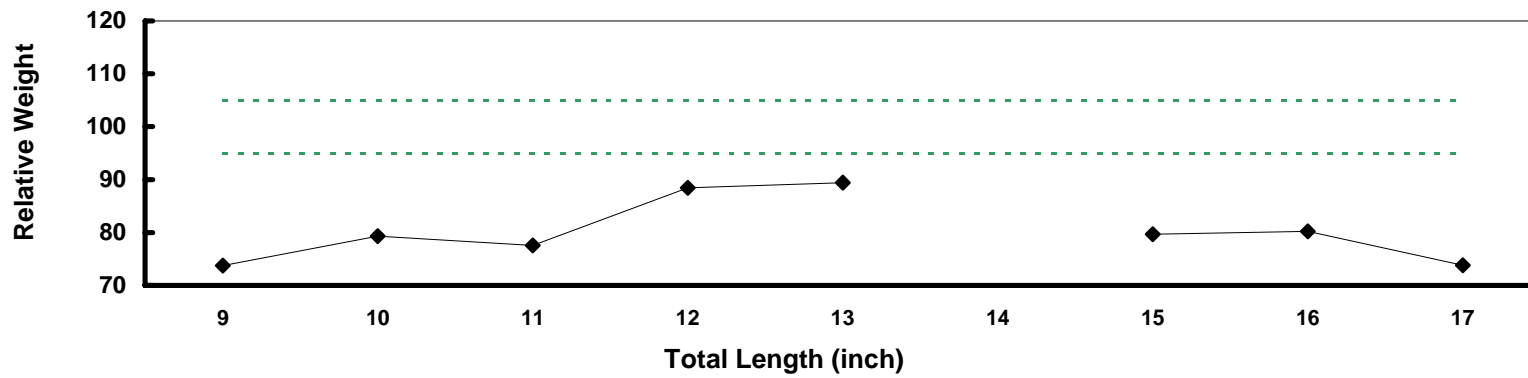


Figure 31. Norris Reservoir smallmouth bass mean relative weight values from the 2007 electrofishing sample (n=10).

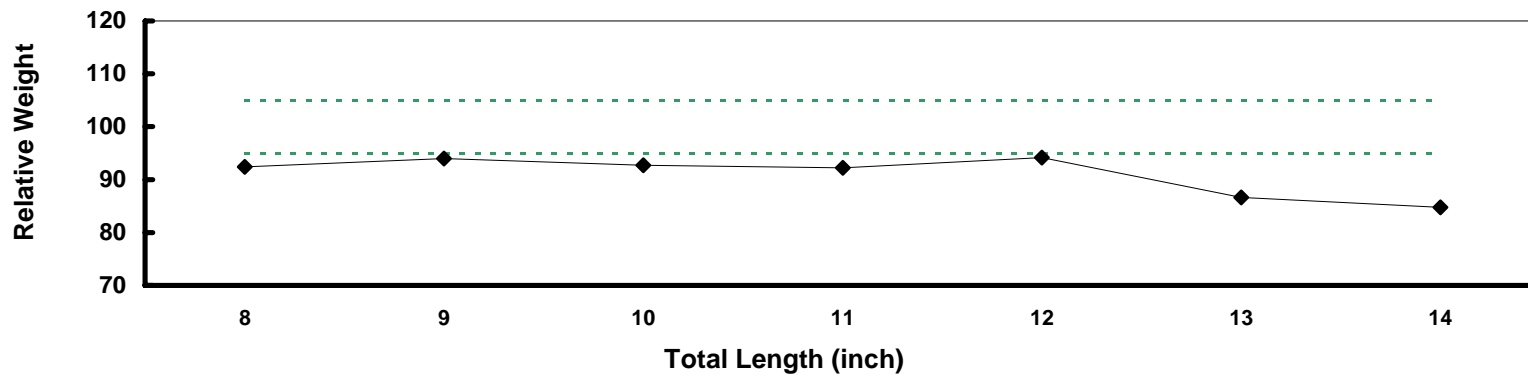


Figure 32. Norris Reservoir spotted bass mean relative weight values from the 2007 electrofishing sample (n=100).

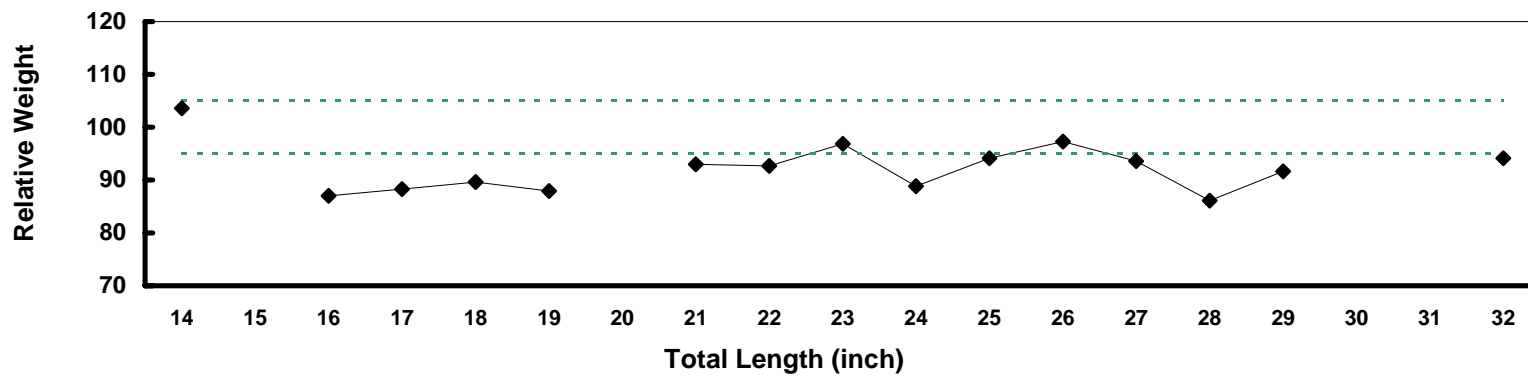


Figure 33. Norris Reservoir striped bass mean relative weight values from the 2007 winter gill net sample (n=50).

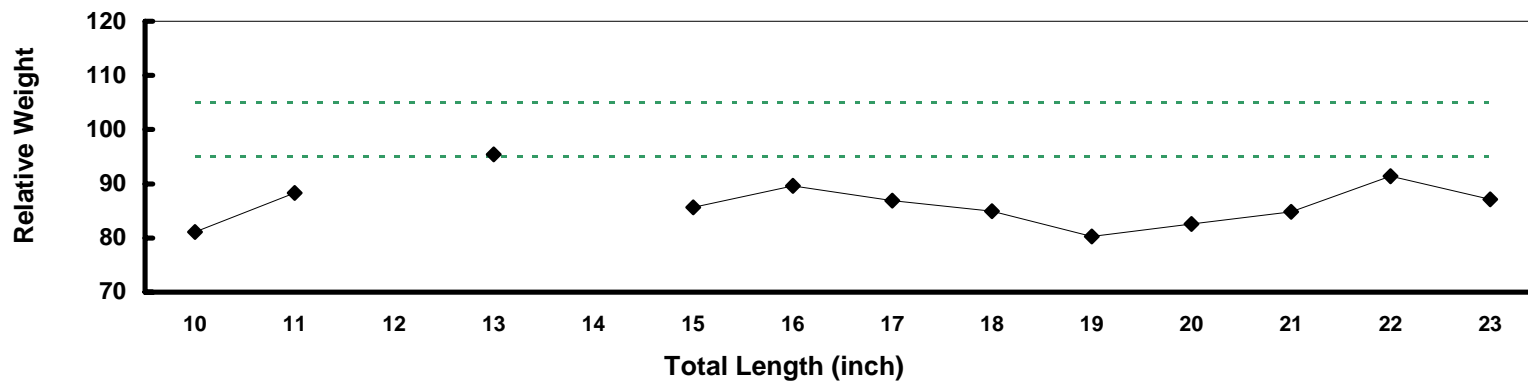


Figure 34. Norris Reservoir walleye mean relative weight values from the 2007 winter gill net sample (n=82).

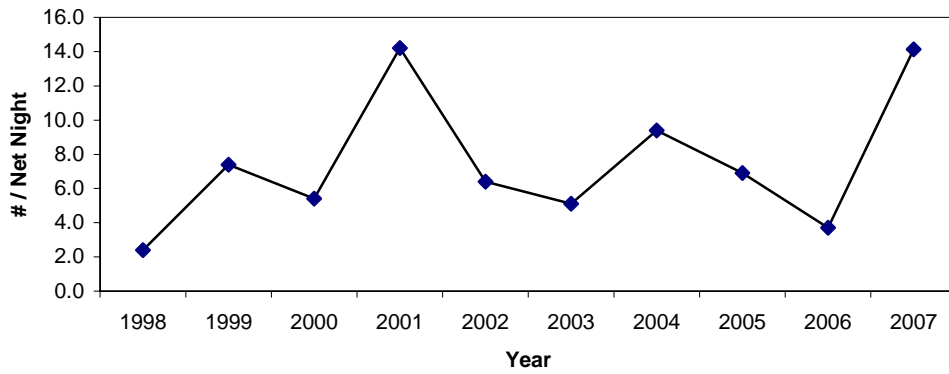


Figure 35. Norris Reservoir black crappie electrofishing catch rates from 1998 to 2007.

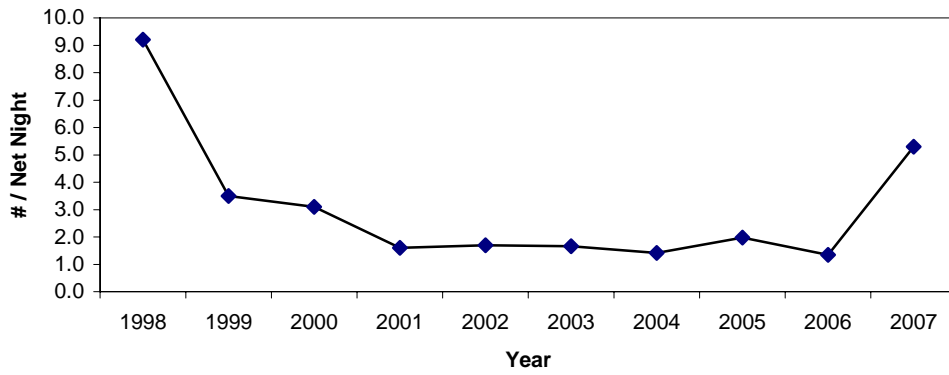


Figure 36. Norris Reservoir black crappie trap netting catch rates from 1998 to 2007.

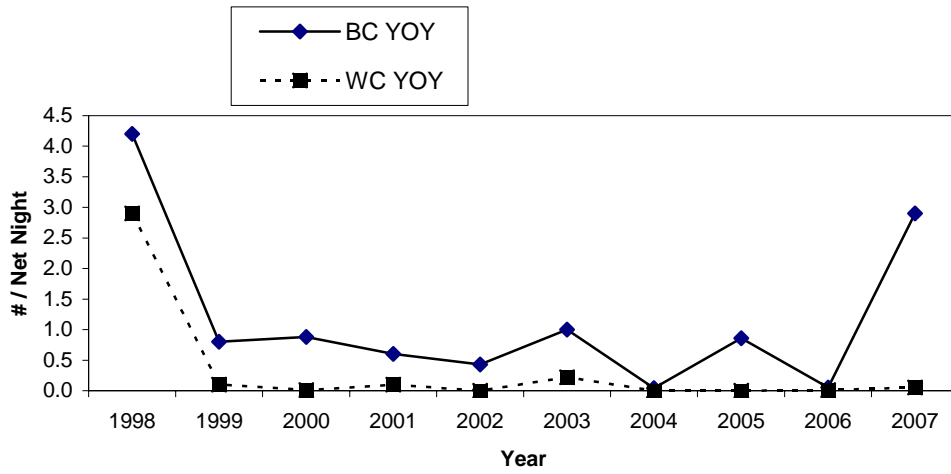


Figure 37. Norris Reservoir YOY crappie trap netting catch rates from 1998 to 2007.

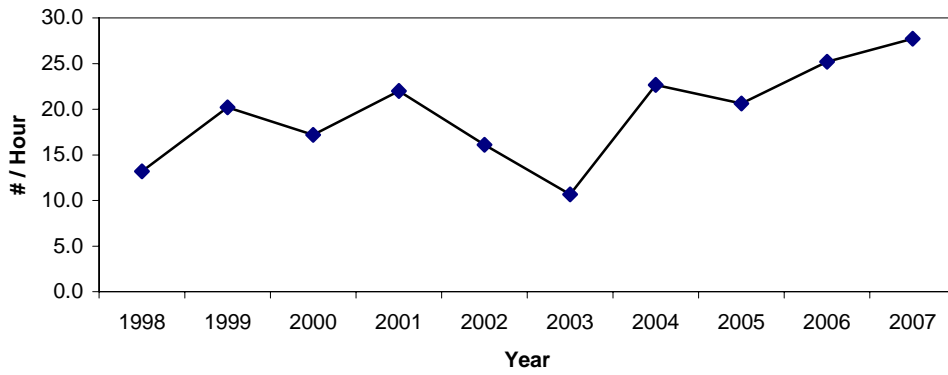


Figure 38. Norris Reservoir largemouth bass electrofishing catch rates from 1998 to 2007.

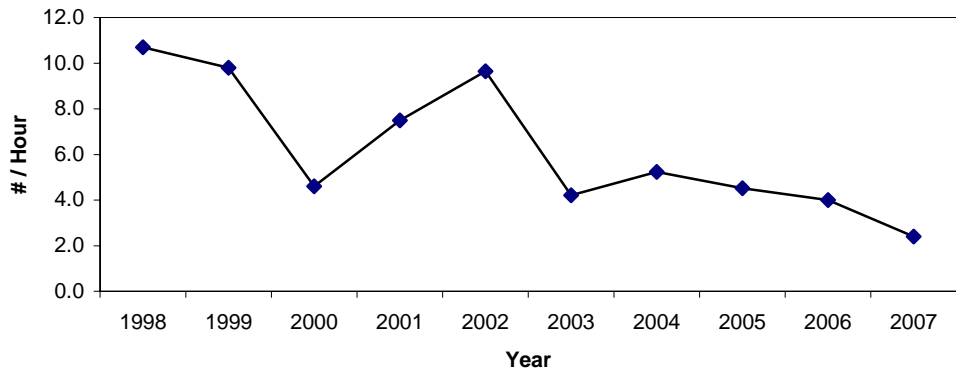


Figure 39. Norris Reservoir smallmouth bass electrofishing catch rates from 1998 to 2007.

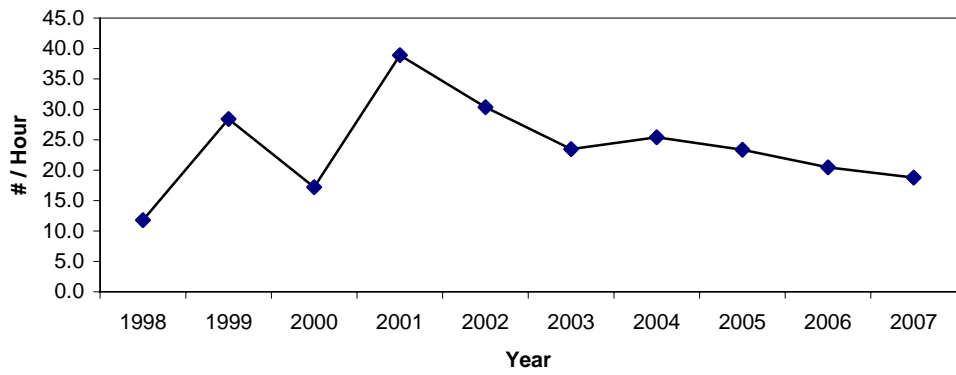


Figure 40. Norris Reservoir spotted bass electrofishing catch rates from 1998 to 2007.

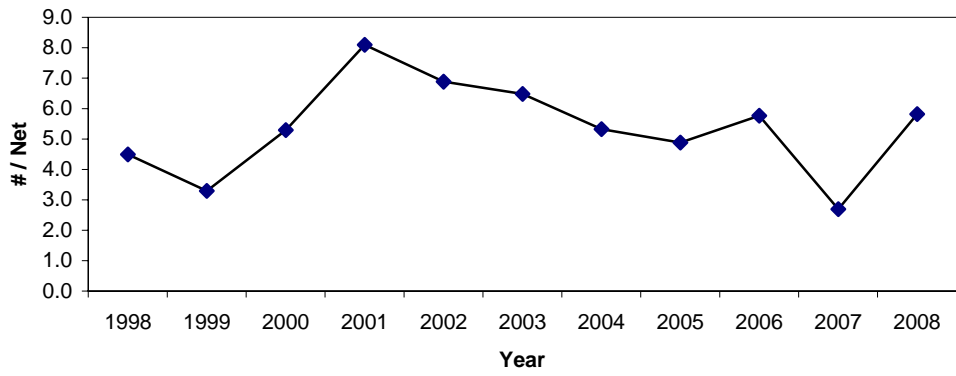


Figure 41. Norris Reservoir walleye gill net catch rates from 1998 to 2008.

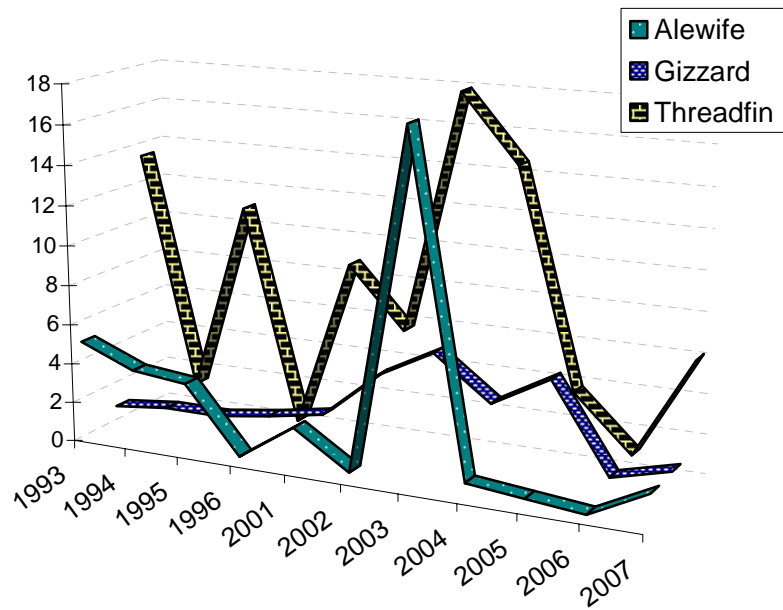


Figure 42. Geometric means for catch of shad in Norris Reservoir by summer gill netting from 1993 to 2007.

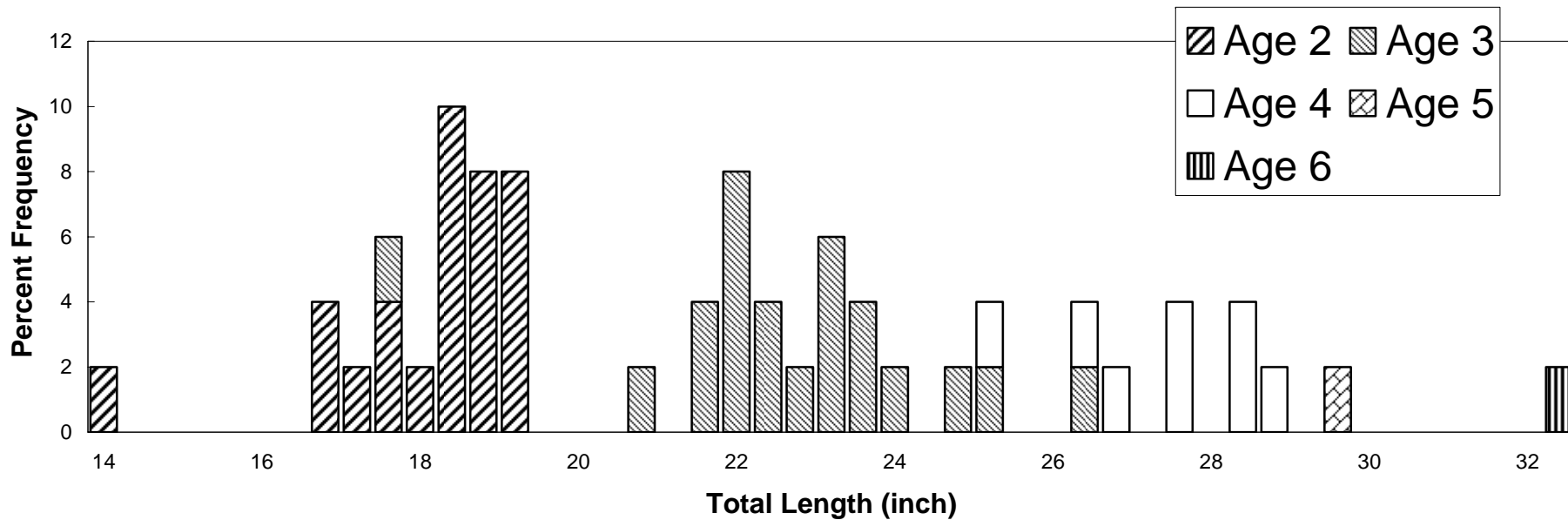


Figure 43. Length frequency at age of Norris Reservoir striped bass from the 2007 gill net sample. (n = 50) (CPUE = 1.2/net night)

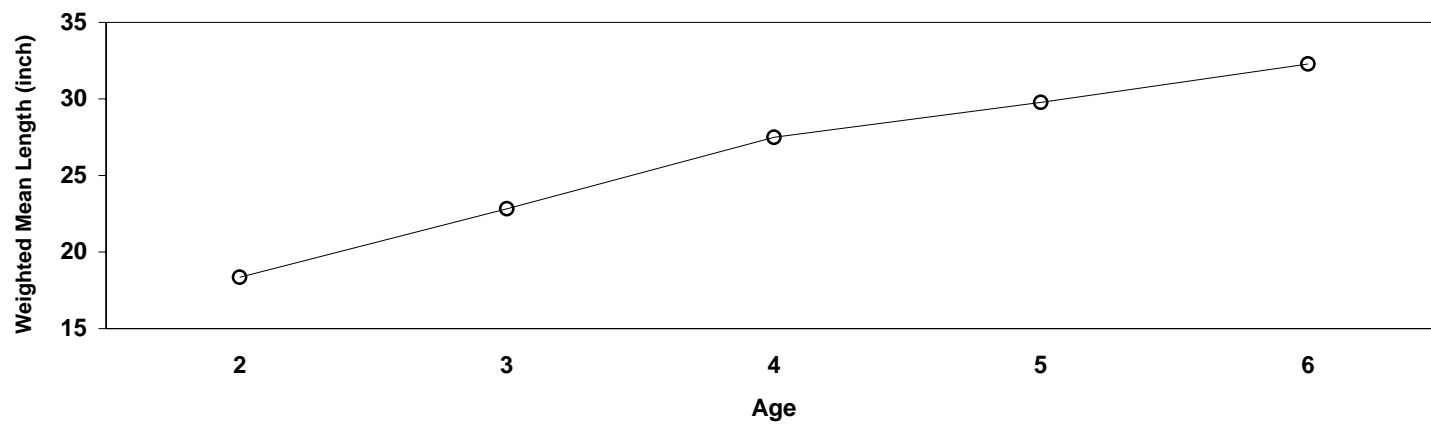


Figure 44. Weighted mean length at age of striped bass from the 2007 Norris winter gill net sample.

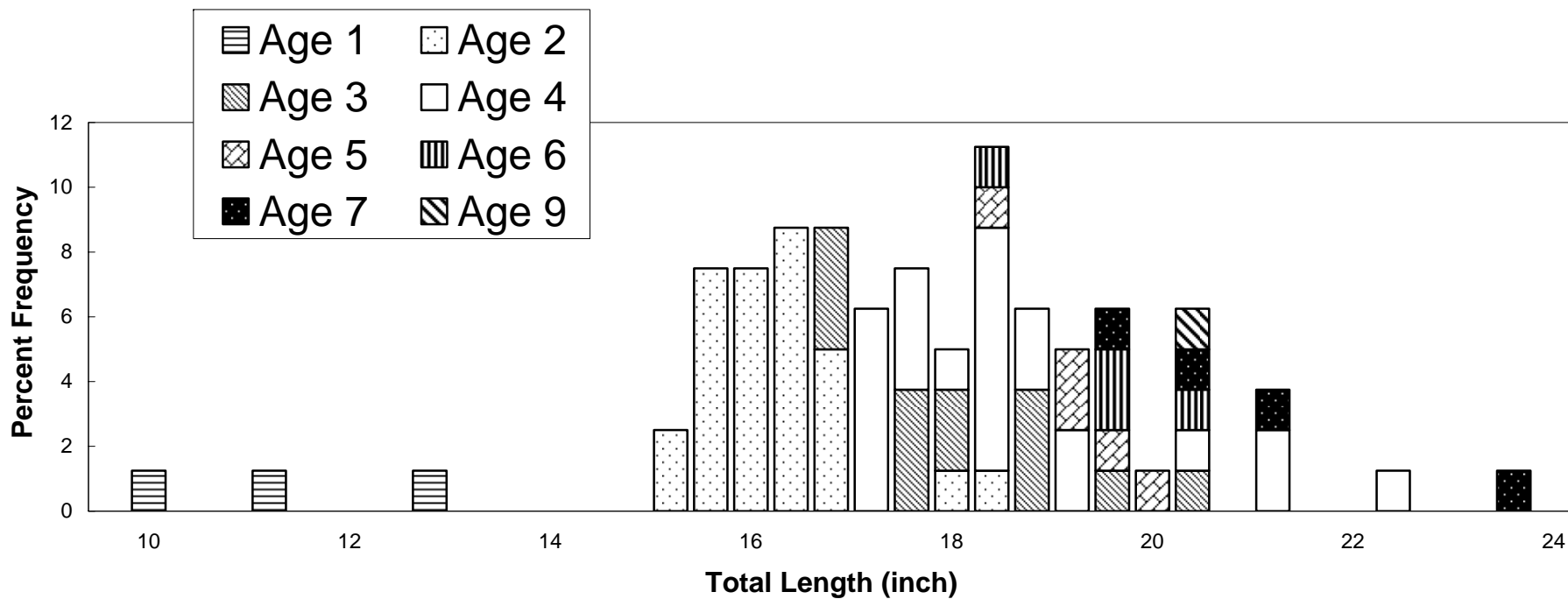


Figure 45. Length frequency at age of Norris Reservoir walleye from the 2007 gill net sample. (n = 79) (CPUE = 2.8/net night)

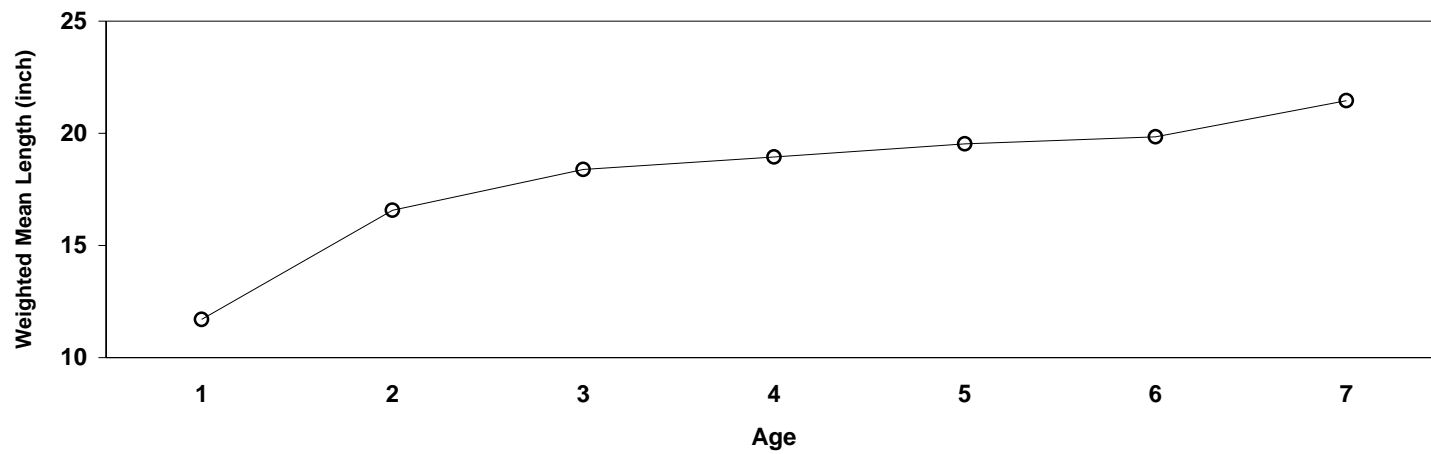


Figure 46. Weighted mean length at age of walleye from Norris 2007 winter gill net sample.

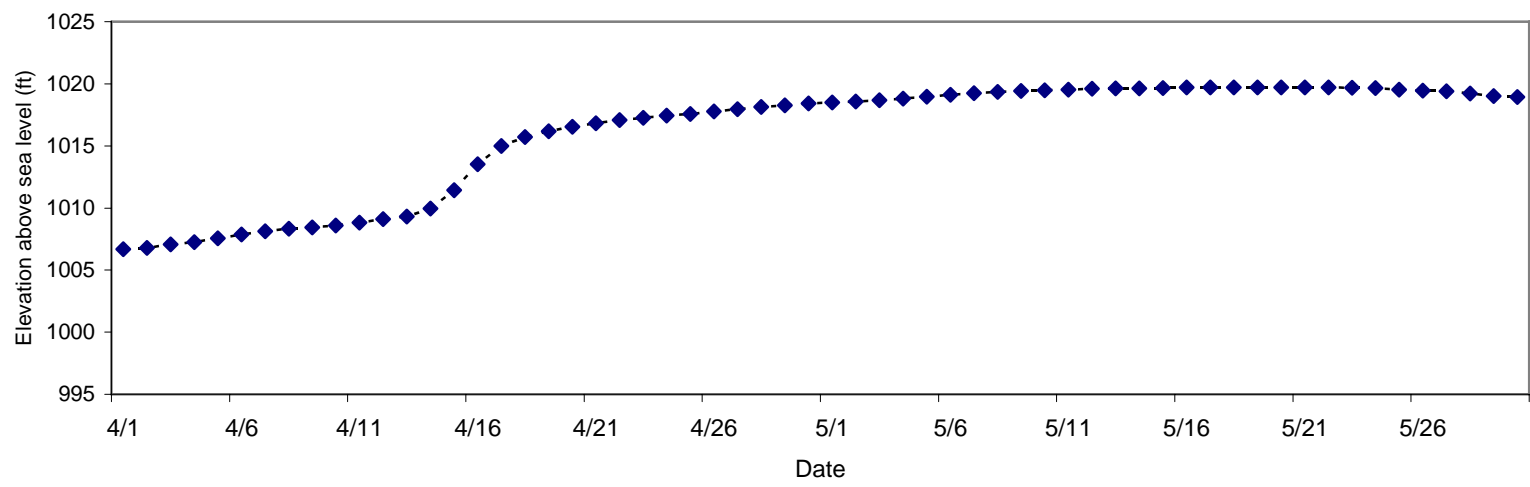


Figure 47. April and May water levels in Norris Reservoir in 2007 (TVA data).

Figure 48. DO - Norris - Dam - July 2, 2007

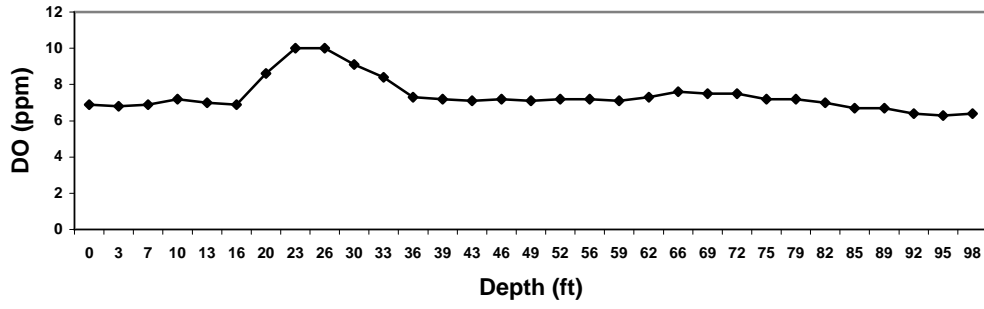


Figure 49. Temp - Norris - Dam - July 2, 2007

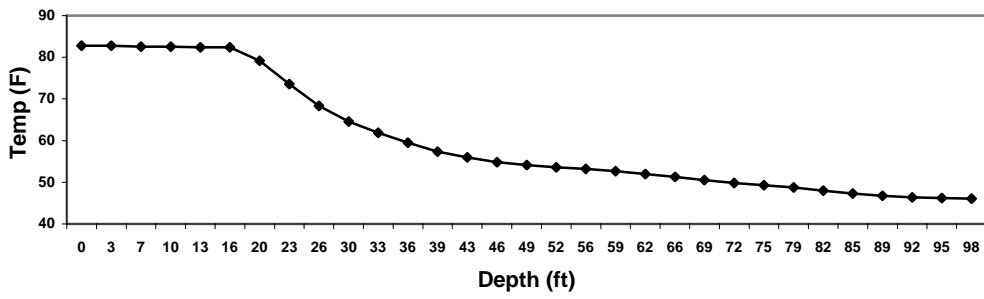


Figure 50. DO - Norris - Clinch RM 88 - July 2, 2007

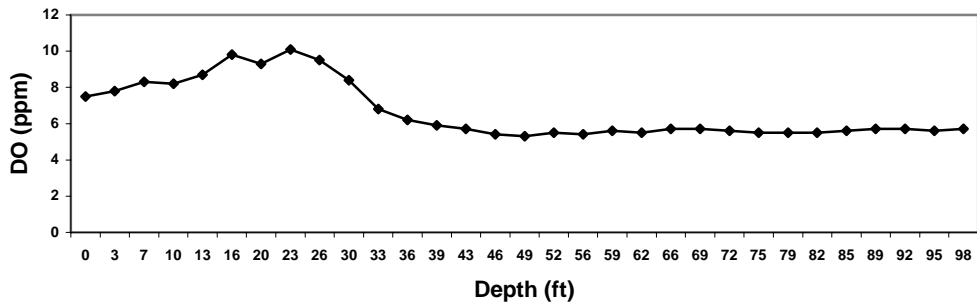


Figure 51. Temp - Norris - Clinch RM 88 - July 2, 2007

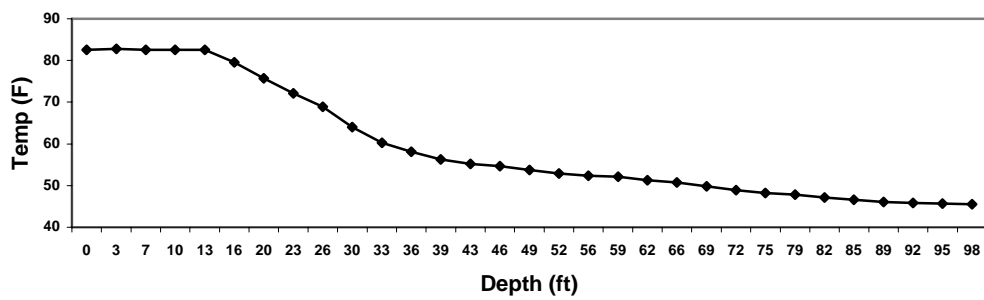


Figure 52. DO - Norris - Clinch RM 120 - July 2, 2007

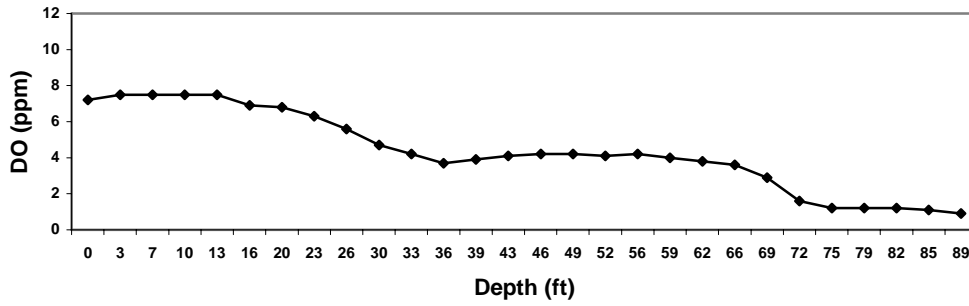


Figure 53. Temp - Norris - Clinch RM 120 - July 2, 2007

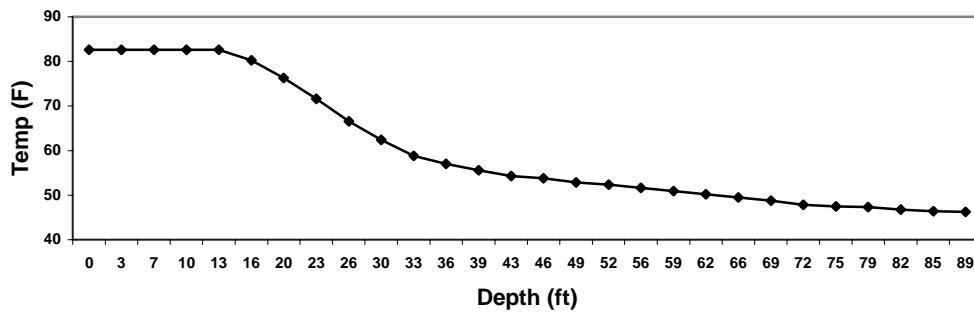


Figure 54. DO - Norris - Powell RM 19 - July 2, 2007

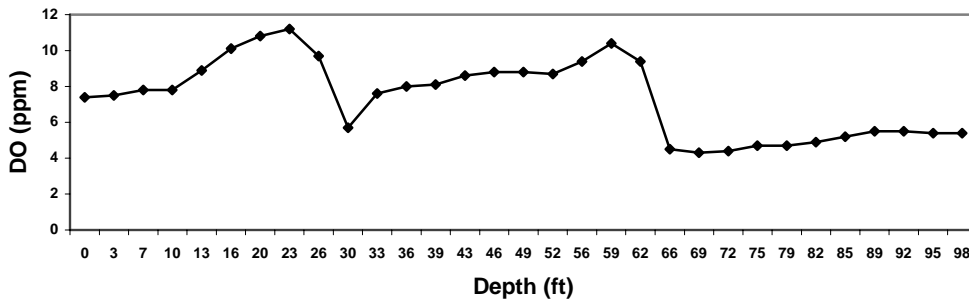


Figure 55. Temp - Norris - Powell RM 19 - July 2, 2007

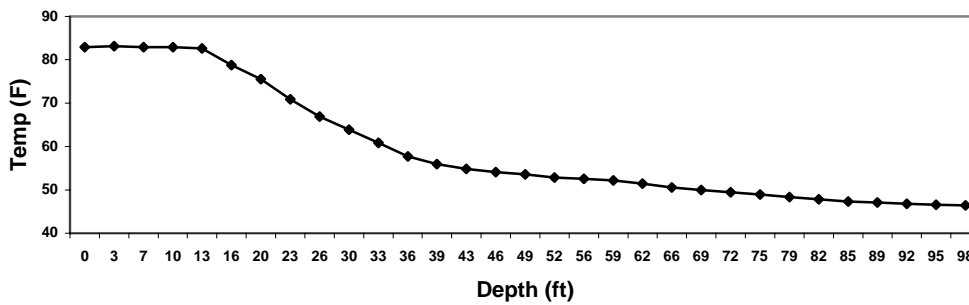


Figure 56. DO - Norris - Dam - August 1, 2007

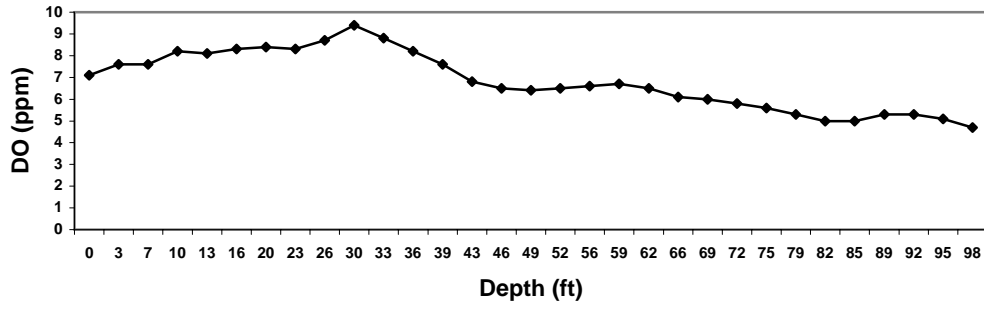


Figure 57. Temp - Norris - Dam - August 1, 2007

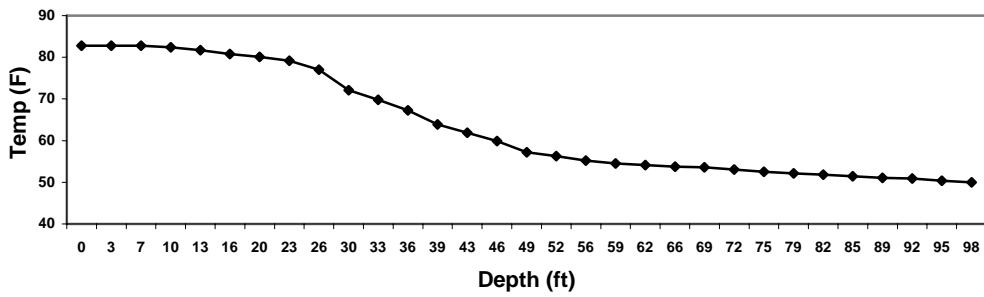


Figure 58. DO - Norris - Clinch RM 88 - August 1, 2007

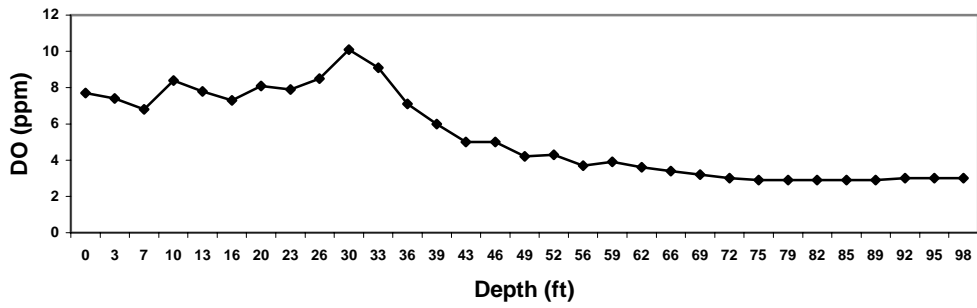


Figure 59. Temp - Norris - Clinch RM 88 - August 1, 2007

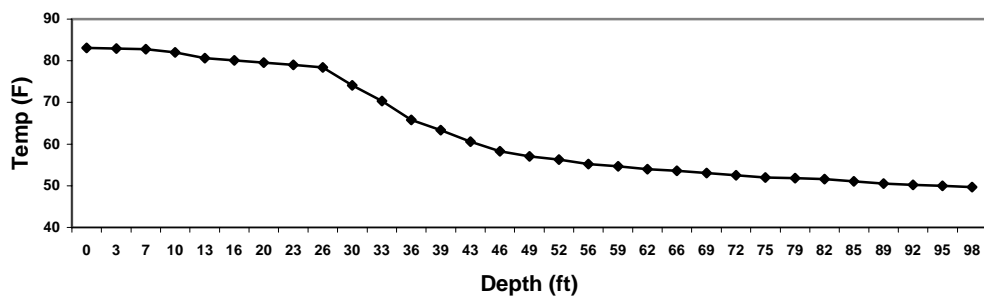


Figure 60. DO - Norris - Clinch RM 120 - August 1, 2007

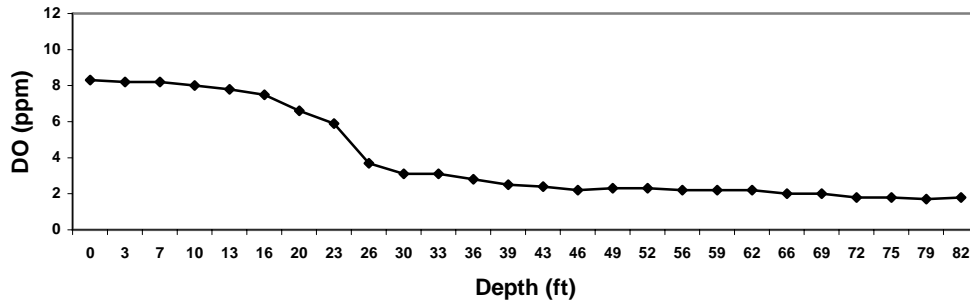


Figure 61. Temp - Norris - Clinch RM 120 - August 1, 2007

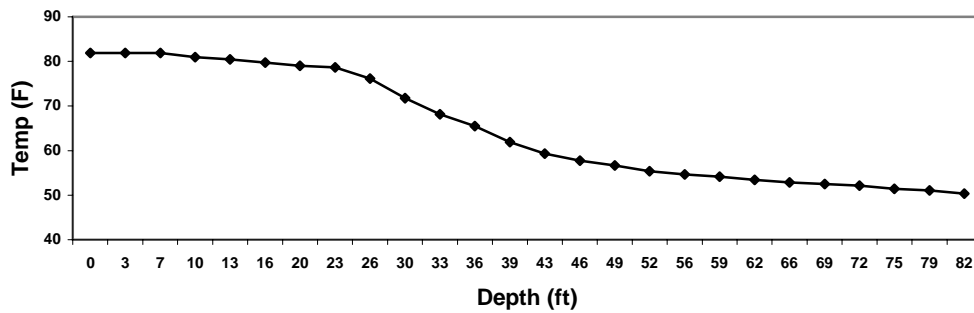


Figure 62. DO - Norris - Powell RM 19 - August 1, 2007

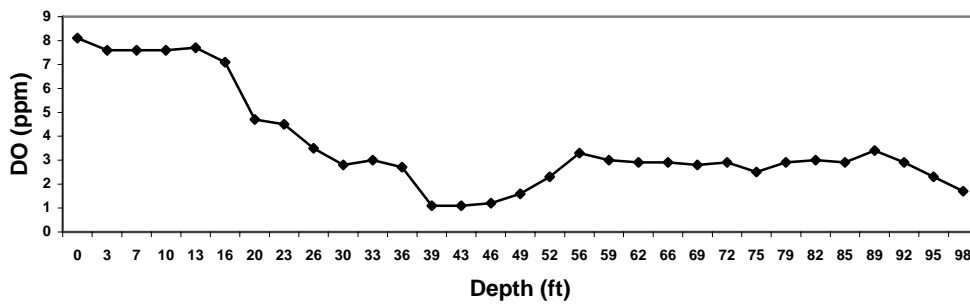


Figure 63. Temp - Norris - Powell RM 19 - August 1, 2007

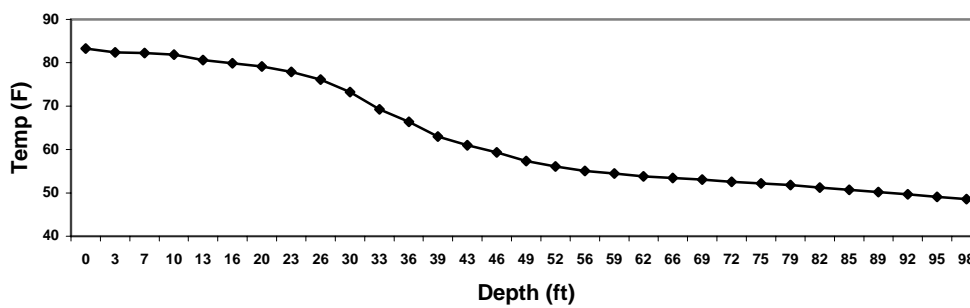


Figure 64. DO - Norris - Dam - September 5, 2007

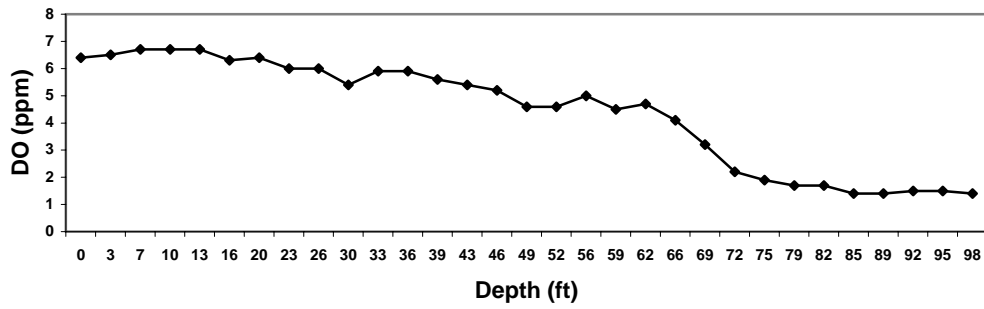


Figure 65. Temp - Norris - Dam - September 5, 2007

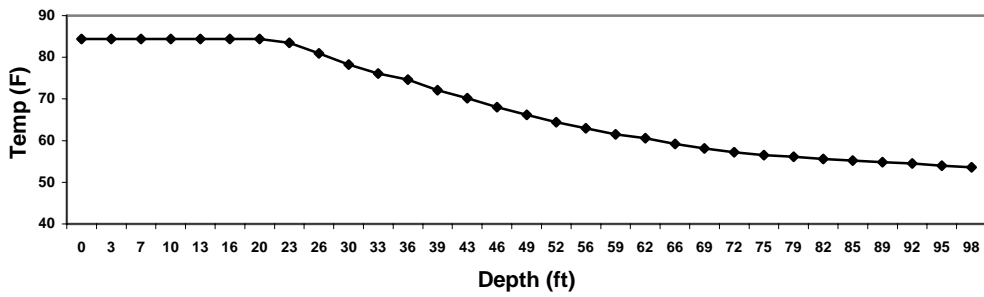


Figure 66. DO - Norris - Clinch RM 88 - September 5, 2007

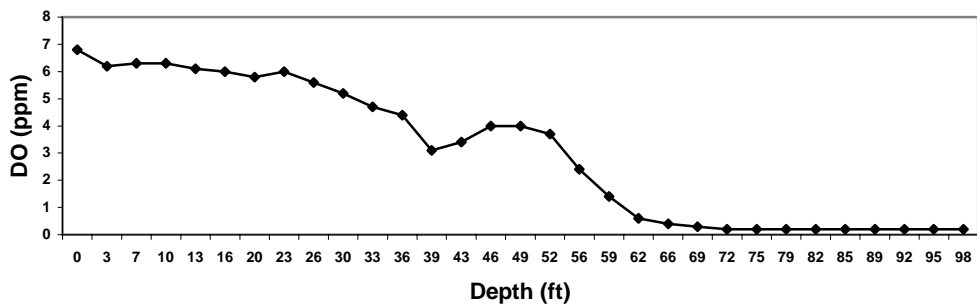


Figure 67. Temp - Norris - Clinch RM 88 - September 5, 2007

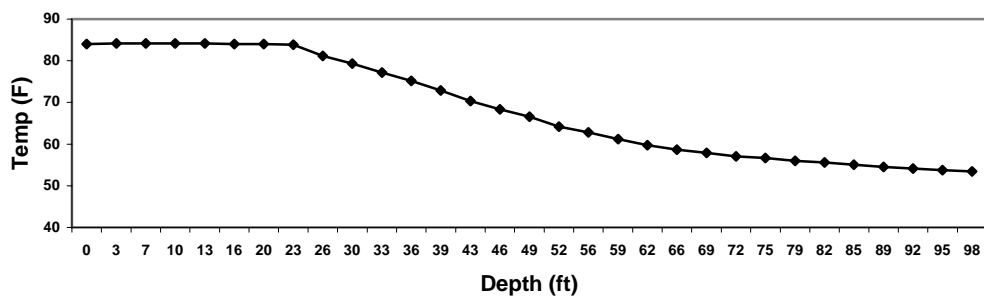


Figure 68. DO - Norris - Clinch RM 120 - September 5, 2007

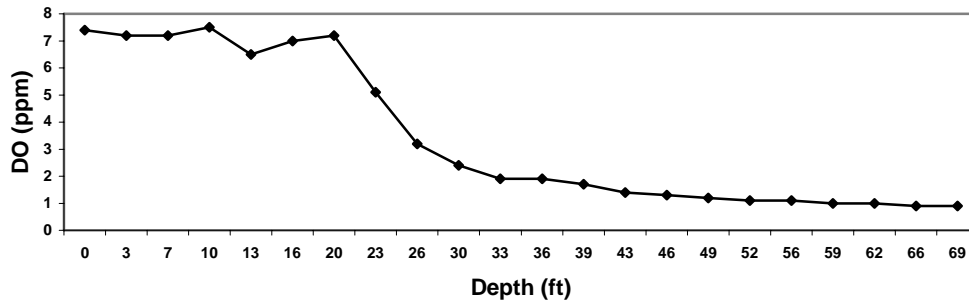


Figure 69. Temp - Norris - Clinch RM 120 - September 5, 2007

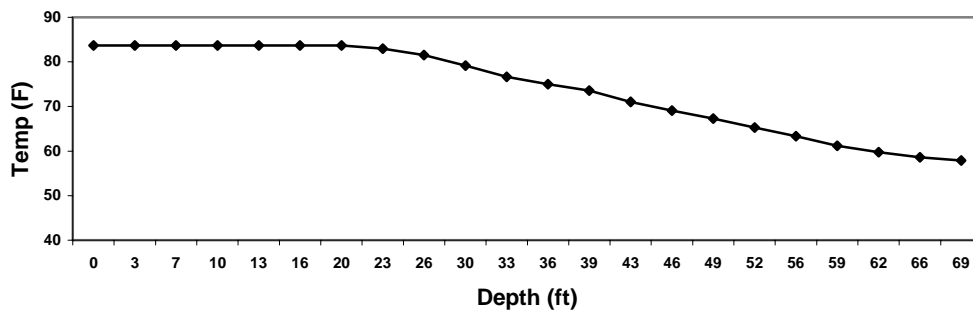


Figure 70. DO - Norris - Powell RM 19 - September 5, 2007

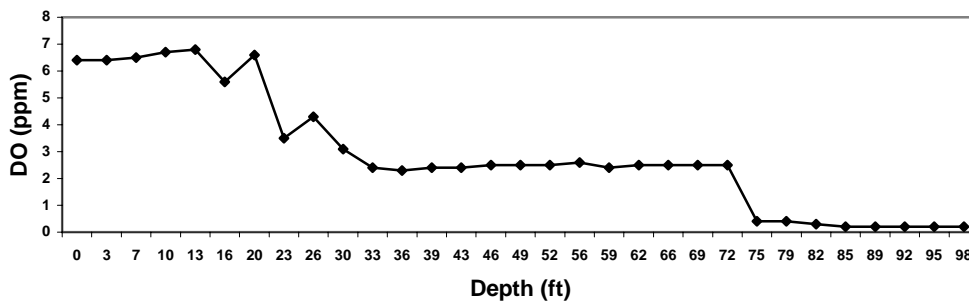
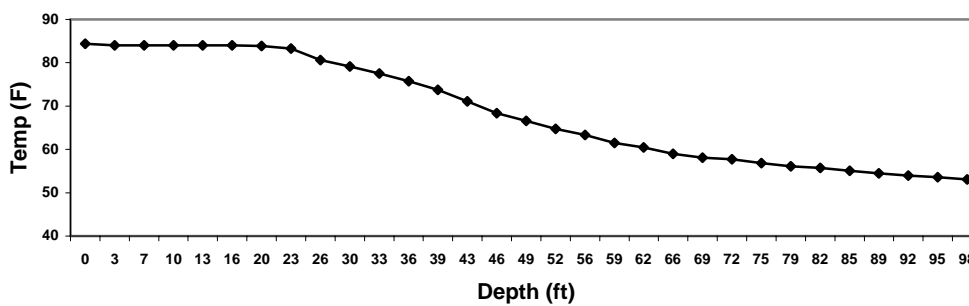


Figure 71. Temp - Norris - Powell RM 19 - September 5, 2007



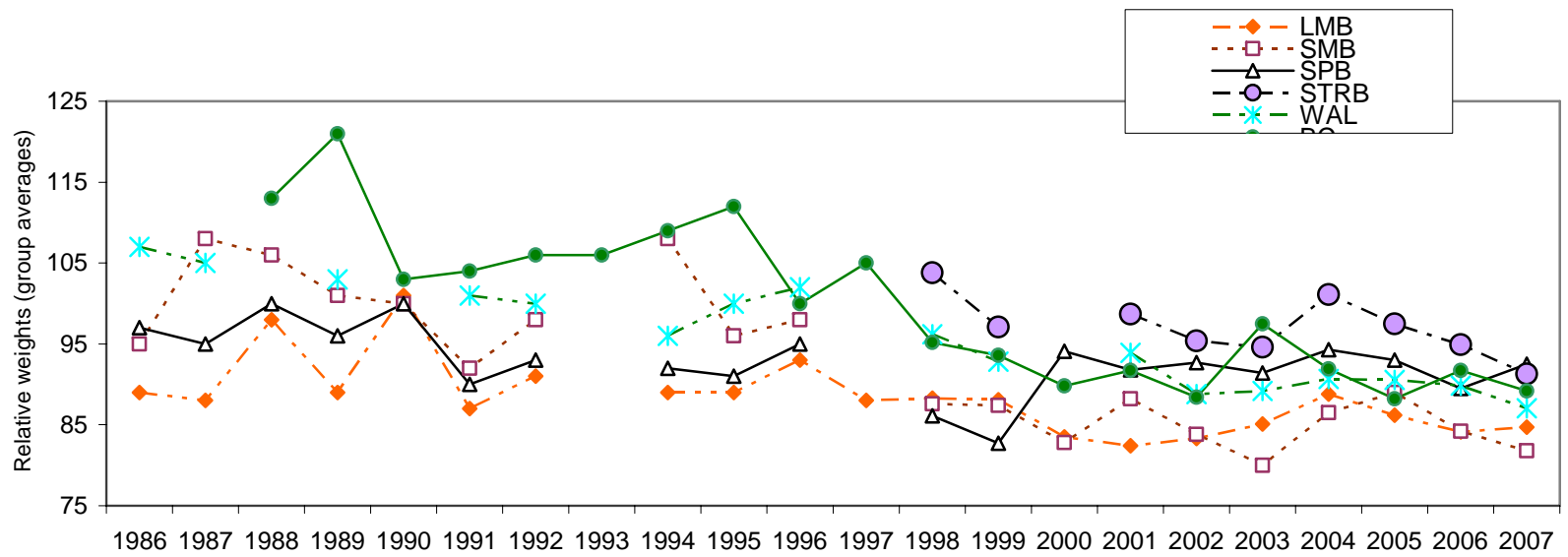


Figure 72. Wr values by certain RSD group averages for important Norris Reservoir game fish 1986 to 2007

Appendix – Creel

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2007

LAKE=NORRIS

| MONTH | ANGLER HOURS | RELATIVE STANDARD ERROR | HOURS PER ACRE | ANGLER TRIPS | TRIPS PER ACRE | PERCENT EFFORT |
|--------------|-----------------|-------------------------------|----------------------|-----------------|----------------------|-------------------|
| 01 JANUARY | 25790 | 41.6 | 0.8 | 4951 | 0.1 | 7.7 |
| 02 FEBRUARY | 8283 | 30.1 | 0.2 | 1893 | 0.1 | 2.5 |
| 03 MARCH | 32559 | 36.1 | 1.0 | 5686 | 0.2 | 9.7 |
| 04 APRIL | 10918 | 26.5 | 0.3 | 2186 | 0.1 | 3.3 |
| 05 MAY | 43851 | 13.0 | 1.3 | 9068 | 0.3 | 13.1 |
| 06 JUNE | 60704 | 9.8 | 1.8 | 11727 | 0.3 | 18.1 |
| 07 JULY | 35583 | 28.2 | 1.0 | 7152 | 0.2 | 10.6 |
| 08 AUGUST | 10103 | 83.7 | 0.3 | 2209 | 0.1 | 3.0 |
| 09 SEPTEMBER | 39956 | 17.5 | 1.2 | 8191 | 0.2 | 11.9 |
| 10 OCTOBER | 24073 | 8.3 | 0.7 | 4609 | 0.1 | 7.2 |
| 11 NOVEMBER | 19702 | 20.2 | 0.6 | 3556 | 0.1 | 5.9 |
| 12 DECEMBER | 23464 | 34.0 | 0.7 | 4308 | 0.1 | 7.0 |
| ----- | ----- | | | ----- | | |
| TOTAL | 334986 | | | 65536 | | |

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2007

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 | 21664 | 54.9 | 0.84 | 33.3 | 2063 | 88.3 | 0.08 | 68.7 |
| 02 FEBRUARY | 497 | 76.8 | 0.06 | 63.8 | 0 | . | 0.00 | . |
| 03 MARCH | 23442 | 43.5 | 0.72 | 23.0 | 5535 | 69.4 | 0.17 | 55.7 |
| 04 APRIL | 6332 | 29.0 | 0.58 | 11.5 | 1310 | 51.8 | 0.12 | 43.6 |
| 05 MAY | 50867 | 55.9 | 1.16 | 53.8 | 16225 | 85.5 | 0.37 | 83.6 |
| 06 JUNE | 66774 | 21.3 | 1.10 | 18.8 | 18211 | 32.6 | 0.30 | 31.2 |
| 07 JULY | 14945 | 63.5 | 0.42 | 55.3 | 1423 | 77.7 | 0.04 | 66.3 |
| 08 AUGUST | 10103 | 114.8 | 1.00 | 60.6 | 202 | 83.7 | 0.02 | 0.0 |
| 09 SEPTEMBER | 12786 | 28.0 | 0.32 | 21.4 | 1598 | 49.1 | 0.04 | 41.5 |
| 10 OCTOBER | 11314 | 27.0 | 0.47 | 25.8 | 2648 | 51.1 | 0.11 | 52.4 |
| 11 NOVEMBER | 12412 | 30.5 | 0.63 | 22.4 | 1379 | 101.9 | 0.07 | 97.8 |
| 12 DECEMBER | 21118 | 46.7 | 0.90 | 30.2 | 939 | 47.9 | 0.04 | 33.9 |
| ----- | ----- | | | | ----- | | | |
| TOTAL | 252254 | | | | 51533 | | | |

SUMMARY OF SPECIES CATCH STATISTICS - 2007

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 | 327 | 1117.6 | 0.1 | 0 | 0 | . | 0.0 | 0 | 100.0 | . | 0 |
| CHANNEL CATFISH | 13533 | 69.3 | 5.4 | 1177 | 3933 | 124.7 | 7.8 | 983 | 70.9 | 1.34 | 8 |
| FLATHEAD CATFISH | 184 | 661.1 | 0.1 | 0 | 184 | 661.1 | 0.4 | 0 | 0.0 | 2.20 | 1 |
| WHITE BASS | 1731 | 447.1 | 0.7 | 0 | 0 | . | 0.0 | 0 | 100.0 | . | 0 |
| STRIPED BASS | 13143 | 64.4 | 5.3 | 10933 | 1187 | 146.3 | 2.4 | 1039 | 91.0 | 7.79 | 8 |
| ROCK BASS | 504 | 890.9 | 0.2 | 0 | 0 | . | 0.0 | 0 | 100.0 | . | 0 |
| BLUEGILL | 75773 | 23.8 | 30.3 | 65728 | 24070 | 34.4 | 48.0 | 20727 | 68.2 | 0.27 | 108 |
| REDEAR SUNFISH | 381 | 714.5 | 0.2 | 0 | 256 | 882.2 | 0.5 | 0 | 32.8 | 1.30 | 1 |
| SMALLMOUTH BASS | 56308 | 23.0 | 22.5 | 50440 | 2589 | 85.5 | 5.2 | 2158 | 95.4 | 2.70 | 12 |
| SPOTTED BASS | 37368 | 33.6 | 14.9 | 30186 | 1899 | 42.6 | 3.8 | 1372 | 94.9 | 0.75 | 17 |
| LARGEMOUTH BASS | 25937 | 42.0 | 10.4 | 23457 | 1577 | 166.7 | 3.1 | 1183 | 93.9 | 1.70 | 4 |
| WHITE CRAPPIE | 2431 | 120.4 | 1.0 | 2309 | 1902 | 122.6 | 3.8 | 1766 | 21.8 | 0.84 | 14 |
| BLACK CRAPPIE | 12969 | 124.2 | 5.2 | 12489 | 6040 | 116.9 | 12.0 | 5926 | 53.4 | 0.74 | 41 |
| BLACKNOSE CRAPPIE | 1400 | 320.5 | 0.6 | 1400 | 1012 | 391.8 | 2.0 | 1012 | 27.7 | 0.53 | 5 |
| WALLEYE | 6389 | 103.5 | 2.6 | 4733 | 5500 | 105.3 | 11.0 | 4921 | 13.9 | 2.22 | 18 |
| FRESHWATER DRUM | 1357 | 354.9 | 0.5 | 493 | 0 | . | 0.0 | 0 | 100.0 | . | 0 |

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2007

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 | 2488 | 79.2 | 485 | 0.7 | 0.11 | | 0.11 | | 2 |
| STRIPED BASS | 41428 | 16.9 | 8174 | 12.4 | 0.28 | 101.1 | 0.04 | 163.4 | 60 |
| ANY SUNFISH | 21485 | 23.5 | 4293 | 6.4 | 4.01 | 40.6 | 1.47 | 63.8 | 17 |
| ANY BLACK BASS | 113634 | 11.2 | 22098 | 33.9 | 0.58 | 33.7 | 0.02 | 105.7 | 161 |
| SMALLMOUTH BASS | 28619 | 22.2 | 5375 | 8.5 | 0.44 | 26.2 | 0.01 | 194.1 | 56 |
| LARGEMOUTH BASS | 339 | 146.0 | 65 | 0.1 | 0.29 | | 0.00 | | 1 |
| ANY CRAPPIE | 20986 | 21.7 | 4040 | 6.3 | 0.83 | 159.5 | 0.45 | 168.7 | 34 |
| WALLEYE | 45729 | 15.2 | 9053 | 13.7 | 0.06 | 51.2 | 0.05 | 56.7 | 57 |
| ANY SPECIES | 60278 | 14.4 | 11954 | 18.0 | 0.65 | 102.8 | 0.10 | 128.0 | 53 |
| ----- | ----- | | ----- | | | | | | |
| TOTAL | 334986 | | 65537 | | | | | | |

**SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2007**

LAKE=NORRIS

| TARGET GROUP | SPECIES WITHIN TARGET GROUPS | RELATIVE CATCH RATE | RELATIVE HARVEST RATE |
|-------------------------|---------------------------------------------|------------------------------------|--------------------------------------|
| ANY CATFISH | CHANNEL CATFISH | 0.11 | 0.11 |
| | FLATHEAD CATFISH | 0.00 | 0.00 |
| ANY SUNFISH | BLUEGILL | 4.01 | 1.47 |
| | REDEAR SUNFISH | 0.00 | 0.00 |
| ANY BLACK BASS | SMALLMOUTH BASS | 0.35 | 0.02 |
| | SPOTTED BASS | 0.21 | 0.01 |
| | LARGEMOUTH BASS | 0.16 | 0.01 |
| ANY CRAPPIE | ANY CRAPPIE | 0.00 | 0.00 |
| | WHITE CRAPPIE | 0.12 | 0.09 |
| | BLACK CRAPPIE | 0.64 | 0.31 |
| | BLACKNOSE CRAPPIE | 0.07 | 0.05 |

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 | 0 | | 0 | 0.31 | 25 |
| 02 FEBRUARY | 0 | | 0 | 0.08 | 7 |
| 03 MARCH | 56 | 0.67 | 19 | 0.65 | 29 |
| 04 APRIL | 0 | | 0 | 0.65 | 16 |
| 05 MAY | 0 | | 0 | 0.84 | 13 |
| 06 JUNE | 0 | | 0 | 0.24 | 9 |
| 07 JULY | 15 | 0.00 | 1 | 0.12 | 11 |
| 08 AUGUST | 9 | 0.00 | 3 | 0.92 | 5 |
| 09 SEPTEMBER | 0 | | 0 | 0.49 | 14 |
| 10 OCTOBER | 0 | | 0 | 0.89 | 8 |
| 11 NOVEMBER | 31 | 0.36 | 5 | 0.63 | 19 |
| 12 DECEMBER | 17 | 0.41 | 5 | 0.59 | 29 |

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2007**

LAKE=NORRIS

| INTENDED SPECIES | TOTAL TRIP EXPENDITURES | TOTAL CONSUMER SURPLUS | TOTAL VALUE BY ANGLERS | NUMBER OF INTERVIEWS |
|-------------------------|--------------------------------|-------------------------------|-------------------------------|-----------------------------|
| ANY CATFISH | 3590 | 4170 | 7760 | 2 |
| STRIPED BASS | 134910 | 196100 | 331010 | 34 |
| ANY SUNFISH | 54890 | 92860 | 147750 | 13 |
| ANY BLACK BASS | 614920 | 491530 | 1106460 | 108 |
| SMALLMOUTH BASS | 94620 | 111290 | 201300 | 24 |
| LARGEMOUTH BASS | 3260 | 9770 | 13030 | 1 |
| ANY CRAPPIE | 46790 | 18470 | 65260 | 17 |
| WALLEYE | 176350 | 65250 | 241610 | 27 |
| ANY SPECIES | 222540 | 102100 | 324630 | 39 |
| ----- TOTAL | 1351870 | 1091540 | 2438810 | 265 |

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2007

LAKE=NORRIS

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

| STATE | NUMBER ANGLERS INTERVIEWED | PERCENT CONTRIBUTION |
|--------|----------------------------------|-------------------------|
| KY | 53 | 6.6 |
| TN | 692 | 86.2 |
| OTHERS | 58 | 7.2 |

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

| COUNTY | NUMBER ANGLERS INTERVIEWED | PERCENT CONTRIBUTION |
|--------------|----------------------------------|-------------------------|
| ANDERSON | 167 | 24.7 |
| CAMPBELL | 161 | 23.9 |
| CLAIBORNE | 114 | 16.9 |
| KNOX | 107 | 15.9 |
| UNION | 52 | 7.7 |
| OTHERS IN TN | 74 | 11.0 |

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

| ONE-WAY MILES TRAVELED | NUMBER ANGLERS INTERVIEWED | PERCENT CONTRIBUTION |
|------------------------------|----------------------------------|-------------------------|
| A) 0-25 | 586 | 73.7 |
| B) 26-100 | 136 | 17.1 |
| C) 101-250 | 19 | 2.4 |
| D) > 250 | 54 | 6.8 |

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

| REASON FOR TRIP | NUMBER ANGLERS INTERVIEWED | PERCENT CONTRIBUTION |
|-----------------------|----------------------------------|-------------------------|
| A) FISHING | 430 | 98.2 |
| B) VACATION | 8 | 1.8 |

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

| NUMBER DAYS IN TRIP | NUMBER ANGLERS INTERVIEWED | PERCENT CONTRIBUTION |
|---------------------------|----------------------------------|-------------------------|
| A) 1 | 398 | 91.3 |
| B) 2-5 | 27 | 6.2 |
| C) 6-10 | 10 | 2.3 |
| D) 11-15 | 1 | 0.2 |