Cherokee Reservoir

Annual Report 2006

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Largemouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Fair	Substock CPUE	Electrofishing	4.5/hr
Structure	Excellent	PSD	Electrofishing	72
Density	Excellent	CPUE ≥ Stock Size (203 mm)	Electrofishing	55.8/hr
	Good	CPUE ≥ Minimum Size Limit (381 mm)	Electrofishing	26.4/hr
Number Caught	Excellent	Angler Catch	Creel Survey	169,254
Quality	Good	Average Weight	Creel Survey	1.1 kg
Value of Fishery	Excellent	Trip Expenditures ($)	Creel Survey	$509,540

Fishery Forecast: The quality of the fishery has improved since the 381 mm size restriction went into effect in 2001. Catch rates are good and 43 percent of the population is available for harvest. Management Recommendations: No changes in creel limits are necessary.

Black Crappie

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Poor	Substock CPUE (per net night)	Trap Net	0.3/net
Structure	Good	PSD	Trap Net	90
Density	Fair	CPUE ≥ Stock Size (127 mm)	Trap Net	5.1/net
	Fair	CPUE ≥ Minimum size Limit (254 mm)	Trap Net	2.3/net
Angling Pressure*	Fair	Fishing Effort (hr)	Creel Survey	66,884 hr
Fishing Success*	Good	Angler Catch Rate (per hr)	Creel Survey	1.58/hr
Number Caught*	Good	Angler Catch	Creel Survey	75,453
Quality	Good	Average Weight	Creel Survey	0.5 kg
Value of Fishery*	Fair	Trip Expenditures ($)	Creel Survey	$16,870

(*all crappie combined)

Fishery Forecast: Several years of excellent recruitment is needed to bring the fishery back to where it was in the mid-1990s. The density of harvestable-size crappie increased slightly in 2006. Management Recommendations: No changes in creel limits are proposed.

Hybrid Striped Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Density	Good	CPUE ≥ Minimum size Limit (381 mm)	Gill Net	14.0/net
Angling Pressure	Good	Fishing Effort (hr)	Creel Survey	40,713 hr
Fishing Success	Good	Angler Catch Rate (per hr)	Creel Survey	0.48/hr
Number Caught	Good	Angler Catch	Creel Survey	41,076
Quality	Fair	Average Weight	Creel Survey	2.4 kg
Value of Fishery	Good	Trip Expenditures ($)	Creel Survey	$107,330

Fishery Forecast: The survival rate of hybrids is so outstanding that stocking rates have recently been reduced to create a more balanced striped bass/hybrid fishery. Only 25% of the Moronids stocked are hybrids. Anglers from Tennessee and neighboring states are fishing heavily for hybrids. The 2006 creel indicates angling pressure and success rate has increased since 2004.
Management Recommendations: No changes in creel limits are proposed.

Striped Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Density	Poor	CPUE ≥ Minimum size Limit (381 mm)	Gill Net	1.2/net
Angling Pressure	Fair	Fishing Effort (hr)	Creel Survey	44,587 hr
Fishing Success	Fair	Angler Catch Rate (per hr)	Creel Survey	0.11/hr
Number Caught	Poor	Angler Catch	Creel Survey	5,875
Quality	Good	Average Weight	Creel Survey	5.7 kg
Value of Fishery	Fair	Trip Expenditures ($)	Creel Survey	$165,590

Fishery Forecast: Although few striped bass were collected by gill netting, one should understand netting catch rates are not always indicative of the status of the fishery. The 2006 creel survey indicates the quality of fish caught has improved, but densities have declined since the last creel in 2004.
Management Recommendations: No changes in creel limits are proposed.

Walleye

Population Parameter	Annual Rating	Measure	Gear	Value
Density	Good	CPUE ≥ Stock Size (250 mm)	Gill Net	3.3/net
	Good	CPUE ≥ Minimum size Limit (380 mm)	Gill Net	3.3/net
Angling Pressure	Fair	Fishing Effort (hr)	Creel Survey	6,805 hr
Fishing Success	Good	Angler Catch Rate (per hr)	Creel Survey	0.8/hr
Number Caught	Good	Angler Catch	Creel Survey	7,504
Quality	Excellent	Average Weight	Creel Survey	1.1 kg
Value of Fishery	Fair	Trip Expenditures ($)	Creel Survey	$7,670

Fishery Forecast: We began stocking walleye again beginning in 2003 after several years of trial stockings of sauger and saugeye. Walleye are abundant and growing well given the abundant forage base. The 2006 creel indicates fishing pressure is minimal for walleye, but the quality of fish caught and catch rates of those anglers targeting the species is very good.

Management Recommendations: No changes in creel limits are proposed.

Stocking and Stocking Evaluations

Species	Number Stocked	Mark	Evaluation	Value
Striped Bass	168,434	N/A	N/A	N/A
Hybrid Striped Bass	56,882	N/A	N/A	N/A
Walleye	75,629	N/A	N/A	N/A

Habitat Enhancement and Monitoring

Fish Attractors	Expanded	none
	Renovated	6 sites, 284 units, 5.78 acres
Water Quality	Temperature	July-September (normal)
	D.O.	July-September (normal)

Tables

Table 1. Cherokee Reservoir physical and chemical characteristics.

Surface Area	12,262 hectares
Drainage Area	8,885 sq. km
Full Pool Elevation	327m-msl
Mean Annual Fluctuation	16.2 m
Shoreline Distance	636 km
Total Developed Shoreline	25%
Maximum Depth	45.7 m
Outlet Depth	35.4 m, 41.2 m
Thermocline Depth	6 m (Aug 2006)
Trophic Status (Forebay)	Mesotrophic
Mean Chlorophyll (Forebay)	6.8 mg/L
Trophic Index Value	49.3
Hydraulic Retention Time	165 days
Reservoir Age	58 years

Table . Cherokee Reservoir fish stockings 1993 - 2006.

Species	Date	Rate (per acre)	Total Stocked
Striped Bass	June-July 1993	3.5	105,298
	June-August 1994	5.4	163,826
	July 1995	3.2	98,026
	July-August 1996	2.3	70,348
	July-August 1997	4.2	126,494
	July 1998	4.9	147,574
	July-August 1999	3.6	108,944
	July-August 2001	5.0	150,935
	July 2002	3.2	97,854
	July 2003	3.4	103,423
	July 2004	2.7	81,285
	July 2005	4.4	133,646
	July 2006	5.6	168,434
Hybrid striped bass	June 2000	5.0	150,000
	July 2001	1.6	48,613
	July 2002	1.9	58,934
	July 2003	1.7	51,708
	June 2004	3.9	117,952
	June 2005	1.1	31,950
	June 2006	1.9	56,882
Walleye	May-June 1993	13.1	396,900
	May-June 1994	7.5	228,260
	May-June 1995	7.3	219,800
	May 1999	3.1	93,323
	May 2003	4.9	149,810
	May 2004	5.2	156,792
	May 2005	2.0	60,089
	May 2006	2.5	75,629
Sauger	May 1997	1.3	38,231
	May 1998	3.9	118,550
	May 2000	3.3	100,900
	May 2001	2.0	59,502
	May 2002	3.1	93,996
Saugeye	May 1996	0.8	25,328
Paddlefish	July-Aug. 1993	0.1	3,050
	June-Aug. 1994	0.3	7,598
	August 1995	0.1	2,120
	October 2006	0.0	450
Blue Catfish	July 1995	1.5	44,100
	November 1998	0.8	23,175
	June 2003	1.1	33,121
White Crappie	October 1994	1.5	44,126
	October 2003	1.3	38,740
Black Crappie	November 2006	1.9	56,071
Blacknose Black Crappie	October 1995	8.7	263,653
	Mar.-Dec. 1996	12.3	371,309
	July-Dec. 1997	6.1	185,990
	May-Dec. 1998	13.5	408,502
	November 1999	0.9	26,383

Table 3a. Relative stock density, mean relative weight, and catch per unit effort by RSD catagory for target species collected in Cherokee Reservoir during 1998-2006.

				Substock			RSD-stock				RSD-quality				RSD-preferred				RSD-memorable				RSD-trophy				Total		PSD
Species	Year	Gear	Samples	No.	CPE	Pct.	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.
Largemouth	1998	Electro	15	9	2.4	5.3	39	10.4	23.1	85.3	60	16.0	35.5	89.8	56	14.9	33.1	91.7	5	1.3	3.0	90.1	0	0.0	0.0	0.0	169	45.1	76
Bass	1999	Electro	15	29	7.7	14.5	51	13.6	25.5	87.9	48	12.8	24.0	90.9	69	18.4	34.5	95.8	3	0.8	1.5	102.8	0	0.0	0.0	0.0	200	53.2	70
	2000	Electro	15	24	6.4	15.4	42	11.2	26.9	85.9	40	10.7	25.6	91.5	47	12.5	30.1	96.0	3	0.8	1.9	100.0	0	0.0	0.0	0.0	156	41.6	68
	2001	Electro	15	105	28.0	31.0	65	17.3	19.2	84.6	85	22.7	25.1	93.8	82	21.9	24.2	101.9	2	0.5	0.6	104.2	0	0.0	0.0	0.0	339	90.4	72
	2002	Electro	15	30	8.0	11.3	94	25.1	35.3	82.5	71	18.9	26.7	86.9	69	18.4	25.9	99.4	2	0.5	0.8	97.9	0	0.0	0.0	0.0	266	70.9	60
	2003	Electro	15	26	6.9	13.5	39	10.4	20.3	85.9	50	13.3	26.0	95.6	75	20.0	39.1	99.6	2	0.5	1.0	107.0	0	0.0	0.0	0.0	192	51.2	77
	2004	Electro	14	16	4.6	6.4	87	24.9	34.9	88.3	44	12.6	17.7	90.1	100	28.6	40.2	94.6	2	0.6	0.8	86.7	0	0.0	0.0	0.0	249	71.1	63
	2005	Electro	15	21	5.6	7.5	40	10.7	14.3	87.3	83	22.1	29.7	93.1	133	35.5	47.7	96.7	2	0.5	0.1	89.6	0	0.0	0.0	0.0	279	74.4	84
	2006	Electro	15	17	4.5	7.4	60	16.0	26.1	89.5	53	14.1	23.0	89.7	97	25.9	42.2	93.2	3	0.8	1.3	88.2	0	0.0	0.0	0.0	230	61.3	72
Smallmouth	1998	Electro	15	6	1.6	46.2	4	1.1	30.8	75.9	0	0.0	0.0	0.0	2	0.5	15.4	90.7	1	0.3	7.7	84.9	0	0.0	0.0	0.0	13	3.5	
Bass	1999	Electro	15	2	0.5	11.8	5	1.3	29.4	77.2	3	0.8	17.6	90.7	3	0.8	17.6	98.7	4	1.1	23.5	100.6	0	0.0	0.0	0.0	17	4.5	67
	2000	Electro	15	2	0.5	22.2	1	0.3	11.1	81.0	3	0.8	33.3	82.8	0	0.0	0.0	0.0	3	0.8	33.3	97.9	0	0.0	0.0	0.0	9	2.4	
	2001	Electro	15	0	0.0	0.0	2	0.5	40.0	80.4	1	0.3	20.0	83.4	0	0.0	0.0	0.0	1	0.3	20.0	92.7	1	0.3	20.0	0.0	5	1.3	60
	2002	Electro	15	0	0.0	0.0	7	1.9	58.3	78.7	3	0.8	25.0	74.2	1	0.3	8.3	77.9	1	0.3	8.3	0.0	0	0.0	0.0	0.0	12	3.2	42
	2003	Electro	15	0	0.0	0.0	4	1.1	100.0	85.9	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	4	1.1	
	2004	Electro	14	0	0.0	0.0	7	2.0	35.0	82.7	10	2.9	50.0	84.2	1	0.3	5.0	111.1	2	0.6	10.0	84.1	0	0.0	0.0	0.0	20	5.7	65
	2005	Electro	15	0	0.0	0.0	2	0.5	11.8	88.3	4	1.1	23.5	87.4	3	0.8	17.7	91.6	6	1.6	35.3	87.9	2	0.5	11.8	0.0	17	4.5	88
	2006	Electro	15	0	0.0	0.0	4	1.1	40.0	92.1	1	0.3	10.0	77.4	2	0.5	20.0	95.2	3	0.8	30.0	90.4	0	0.0	0.0	0.0	10	2.7	60
Spotted	1998	Electro	15	3	0.8	20.0	8	2.1	53.3	86.8	4	1.1	26.7	96.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	15	4.0	33
Bass	1999	Electro	15	0	0.0	0.0	2	0.5	25.0	87.4	5	1.3	62.5	96.7	1	0.3	12.5	106.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	2.1	
	2000	Electro	15	2	0.5	25.0	2	0.5	25.0	97.6	2	0.5	25.0	100.5	2	0.5	25.0	101.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	2.1	
	2001	Electro	15	2	0.5	13.3	5	1.3	33.3	101.1	6	1.6	40.0	108.7	2	0.5	13.3	100.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	15	4.0	62
	2002	Electro	15	2	0.5	14.3	9	2.4	64.3	88.1	0	0.0	0.0	0.0	3	0.8	21.4	99.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	14	3.7	25
	2003	Electro	15	2	0.5	9.5	11	2.9	52.4	91.5	5	1.3	23.8	99.0	3	0.8	14.3	107.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	21	5.6	42
	2004	Electro	14	0	0.0	0.0	11	3.1	84.6	97.1	1	0.3	7.7	94.8	1	0.3	7.7	89.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	13	3.7	15
	2005	Electro	15	0	0.0	0.0	5	1.3	16.7	94.1	20	5.3	66.7	100.4	5	1.3	16.7	102.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	30	8.0	83
	2006	Electro	15	0	0.0	0.0	7	1.9	53.8	93.5	5	1.3	38.5	97.5	1	0.3	7.7	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	13	3.5	46
White	1998	Trap	106	41	0.4	75.9	0	0.0	0.0	0.0	6	0.1	11.1	102.9	7	0.1	13.0	98.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	54	0.5	100
Crappie	1999	Trap	106	2	0.0	40.0	1	0.0	20.0	92.0	2	0.0	40.0	108.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	5	0.1	
	2000	Trap	101	1	0.0	25.0	0	0.0	0.0	0.0	1	0.0	25.0	100.1	2	0.0	50.0	102.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.0	
	2001	Trap	106	54	0.5	98.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	1.8	111.0	0	0.0	0.0	0.0	55	0.5	100
	2002	Trap	106	7	0.1	13.2	9	0.1	17.0	82.9	29	0.3	54.7	96.2	7	0.1	13.2	98.3	1	0.0	1.9	0.0	0	0.0	0.0	0.0	53	0.5	80
	2003	Trap	106	114	1.1	98.3	1	0.0	0.9	77.2	0	0.0	0.0	0.0	1	0.0	0.9	82.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	116	1.1	50
	2004	Trap	104	17	0.2	94.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	5.6	119.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	18	0.2	100
	2005	Trap	104	3	0.0	60.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.0	20.0	104.6	1	0.0	20.0	108.8	0	0.0	0.0	0.0	5	0.0	100
	2006	Trap	106	15	0.1	75.0	2	0.0	10.0	112.4	2	0.0	10.0	98.8	1	0.0	5.0	100.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	20	0.2	60
Black	1998	Electro	15	0	0.0	0.0	3	0.8	27.3	100.7	5	1.3	45.5	92.5	1	0.3	9.1	91.8	2	0.5	18.2	93.9	0	0.0	0.0	0.0	11	2.9	73
Crappie	1999	Electro	15	0	0.0	0.0	0	0.0	0.0	0.0	6	1.6	28.6	101.0	9	2.4	42.8	107.0	6	1.6	28.6	103.4	0	0.0	0.0	0.0	21	5.6	100
	2000	Electro	15	0	0.0	0.0	0	0.0	0.0	0.0	2	0.5	28.6	108.2	2	0.5	28.6	86.6	3	0.8	42.9	87.4	0	0.0	0.0	0.0	7	1.9	
	2001	Electro	15	0	0.0	0.0	3	0.8	5.0	96.7	19	5.1	31.7	98.5	22	5.9	36.7	101.4	15	4.0	25.0	97.5	0	0.0	0.0	0.0	60	16.0	95
	2002	Electro	15	0	0.0	0.0	0	0.0	0.0	0.0	2	0.5	11.8	96.9	10	2.7	58.8	99.3	4	1.1	23.5	103.0	1	0.3	5.9	0.0	17	4.5	100
	2003	Electro	15	0	0.0	0.0	0	0.0	0.0	0.0	1	0.3	9.1	107.6	2	0.5	18.2	100.9	8	2.1	72.7	97.2	0	0.0	0.0	0.0	11	2.9	100
	2004	Electro	14	0	0.0	0.0	0	0.0	0.0	0.0	7	2.0	12.3	100.5	42	12.0	73.7	98.4	8	2.3	14.0	97.6	0	0.0	0.0	0.0	57	18.3	100
	2005	Electro	15	0	0.0	0.0	0	0.0	0.0	0.0	4	1.1	16.0	100.4	2	0.5	8.0	93.5	17	4.5	68.0	96.1	2	0.5	8.0	0.0	25	6.7	100
	2006	Electro	15	0	0.0	0.0	0	0.0	0.0	0.0	9	2.4	28.1	101.6	13	3.5	40.6	99.7	10	2.7	31.3	106.2	0	0.0	0.0	0.0	32	8.5	100
	1998	Trap	106	166	1.6	41.7	61	0.6	15.3	90.4	86	0.8	21.6	98.6	74	0.7	18.6	100.4	11	0.1	2.8	96.4	0	0.0	0.0	0.0	398	3.8	74
	1999	Trap	106	53	0.4	22.7	36	0.5	15.5	91.6	66	0.6	28.3	100.4	55	0.5	23.6	98.3	23	0.2	9.9	98.0	0	0.0	0.0	0.0	233	2.2	74
	2000	Trap	101	6	0.1	2.5	56	0.6	23.7	93.3	73	0.7	30.1	97.6	71	0.7	30.0	97.3	30	0.3	12.7	93.5	0	0.0	0.0	0.0	236	2.3	76
	2001	Trap	106	58	0.5	24.3	13	0.1	5.5	91.1	64	0.6	27.0	92.1	85	0.8	35.9	94.3	17	0.2	7.2	95.5	0	0.0	0.0	0.0	237	2.2	93
	2002	Trap	106	34	0.3	14.8	82	0.8	35.7	92.4	81	0.8	35.2	91.6	25	0.2	10.9	82.4	8	0.1	3.5	87.8	0	0.0	0.0	0.0	230	2.2	58
	2003	Trap	106	285	2.7	53.8	43	0.4	8.1	86.7	94	0.9	17.7	92.9	98	0.9	18.5	93.4	10	0.1	1.9	91.7	0	0.0	0.0	0.0	530	5.0	82
	2004	Trap	104	116	1.1	34.6	75	0.7	22.4	93.0	61	0.6	18.2	100.7	67	0.6	20.0	95.8	16	0.2	4.8	93.2	0	0.0	0.0	0.0	335	3.2	66
	2005	Trap	104	22	0.2	5.7	73	0.7	18.9	92.3	175	1.7	45.2	99.7	82	0.8	21.2	96.3	34	0.3	8.8	93.7	1	0.0	0.3	0.0	387	3.7	80
	2006	Trap	106	26	0.2	4.6	55	0.5	9.8	100.3	219	2.1	39.0	97.9	216	2.0	38.4	95.9	46	0.4	8.2	94.0	0	0.0	0.0	0.0	562	5.3	90
Blacknose	1998	Trap	106	5	0.1	38.5	3	0.0	23.1	0.0	5	0.1	38.5	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	13	0.1	
Crappie	1999	Trap	106	2	0.0	66.6	1	0.0	33.3	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	3	0.0	
	2000	Trap	101	0	0.0	0.0	6	0.1	42.9	99.2	4	0.0	28.6	101.7	2	0.0	14.3	93.7	2	0.0	14.3	89.6	0	0.0	0.0	0.0	14	0.1	
	2001	Trap	106	1	0.0	9.1	2	0.0	18.2	0.0	4	0.0	36.4	0.0	2	0.0	18.2	0.0	2	0.0	18.2	0.0	0	0.0	0.0	0.0	11	0.1	
	2002	Trap	106	2	0.0	10.5	10	0.1	52.6	92.8	5	0.0	26.3	89.7	1	0.0	5.3	72.3	1	0.0	5.3	108.5	0	0.0	0.0	0.0	19	0.2	41
	2003	Trap	106	3	0.0	15.0	1	0.0	5.0	81.7	11	0.1	55.0	93.4	5	0.0	25.0	90.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	20	0.2	94
	2004	Trap	104	1	0.0	5.6	4	0.0	22.2	85.8	9	0.1	50.0	99.0	2	0.0	11.1	92.5	2	0.0	11.1	95.1	0	0.0	0.0	0.0	18	0.2	76
	2005	Trap	104	0	0.0	0.0	2	0.0	12.5	81.2	5	0.0	31.3	97.4	5	0.0	31.3	96.3	4	0.0	25.0	92.3	0	0.0	0.0	0.0	16	0.2	88
	2006	Trap	106	0	0.0	0.0	3	0.0	13.6	102.7	4	0.0	18.2	90.5	11	0.1	50.0	95.1	4	0.0	18.2	92.4	0	0.0	0.0	0.0	22	0.2	86

Table 3b. Relative stock density, mean relative weight, and catch per unit effort by RSD catagory for target species collected in Cherokee Reservoir during 1998-2006.

				Substock			RSD-stock				RSD-quality				RSD-preferred				RSD-memorable				RSD-trophy				Total		PSD
Species	Year	Gear	Samples	No.	CPE	Pct.	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.	Wr	No.	CPE	Pct.
Striped	1998	Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	24	4.0	96.0	96.5	1	0.2	4.0	89.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	25	4.2	100
Bass	1999	Gill	15	0	0.0	0.0	9	0.6	50.0	98.1	6	0.4	33.3	100.9	3	0.2	16.7	98.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	18	1.2	50
	2000	Gill	14	8	0.6	25.0	13	0.9	40.6	103.6	10	0.7	31.2	100.6	1	0.1	3.1	83.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	32	2.3	50
	2001	Gill	5	0	0.0	0.0	15	3.0	65.2	97.5	8	1.6	34.7	103.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	23	4.6	35
	2002	Gill	6	1	0.2	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	0.2	
	2003	Gill	10	1	0.1	100.0	1	0.1	6.3	104.3	7	0.7	43.8	102.1	7	0.7	43.8	103.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	16	1.6	93
	2004	Gill	10	0	0.0	0.0	8	0.8	88.9	102.4	1	0.1	11.1	103.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	9	0.9	
	2005	SB Gill	9	0	0.0	0.0	5	0.6	20.8	103.2	16	1.8	66.7	102.1	3	0.3	12.5	93.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	24	2.7	79
	2006	SB Gill	6	0	0.0	0.0	1	0.2	14.3	108.1	3	0.5	42.9	94.1	3	0.5	42.9	74.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	7	1.2	86
White	2000	Gill	14	0	0.0	0.0	0	0.0	0.0	0.0	4	0.3	9.3	100.2	24	1.7	55.8	102.8	15	1.1	34.9	107.7	0	0.0	0.0	0.0	43	3.1	100
Bass	2001	Gill	5	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.6	42.9	101.6	4	0.8	57.1	98.2	0	0.0	0.0	0.0	7	1.4	100
	2002	Gill	6	0	0.0	0.0	12	2.0	22.6	89.2	38	6.3	71.7	98.2	3	0.5	5.7	95.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	53	8.8	77
	2003	Gill	10	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.4	100.0	105.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	0.4	100
	2005	SB Gill	9	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	28	3.1	73.7	104.2	10	1.1	26.3	102.5	0	0.0	0.0	0.0	38	4.2	100
	2006	SB Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	100.0	92.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	100
Hybrid	2001	Gill	5	3	0.6	3.1	88	17.6	89.8	90.0	6	1.2	6.1	102.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	1.0	90.9	98	19.6	7
Striped	2002	Gill	6	4	0.7	3.9	18	3.0	17.3	93.1	4	0.7	3.9	92.6	77	12.8	74.0	98.3	1	0.2	1.0	72.6	0	0.0	0.0	0.0	104	17.3	82
Bass	2003	Gill	10	0	0.0	0.0	2	0.2	3.1	98.7	3	0.3	4.7	112.2	29	2.9	45.3	103.4	28	2.8	43.8	106.6	2	0.2	3.1	0.0	64	6.4	97
	2004	Gill	10	0	0.0	0.0	0	0.0	0.0	0.0	1	0.1	4.5	91.9	4	0.4	18.2	95.2	17	1.7	77.3	99.3	0	0.0	0.0	0.0	22	2.2	
	2005	SB Gill	9	0	0.0	0.0	0	0.0	0.0	0.0	2	0.2	0.8	99.8	90	10.0	36.1	100.3	154	17.1	61.8	102.0	3	0.3	1.2	0.0	249	27.7	100
	2006	SB Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	2	0.3	2.3	95.4	12	2.0	14.0	96.3	69	11.5	80.2	93.3	3	0.5	3.5	nr	86	14.3	100
Walleye	1998	Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	6	1.0	100.0	103.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	6	1.0	
	1999	Gill	15	0	0.0	0.0	0	0.0	0.0	0.0	4	0.3	25.0	101.0	10	0.7	62.5	106.7	2	0.1	12.5	94.0	0	0.0	0.0	0.0	16	1.1	100
	2000	Gill	14	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	5	0.4	83.3	98.7	1	0.1	16.7	102.7	0	0.0	0.0	0.0	6	0.4	
	2001	Gill	5	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	100.0	113.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	100
	2002	Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	100.0	104.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.2	
	2003	Gill	10	0	0.0	0.0	0	0.0	0.0	0.0	1	0.1	100.0	93.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	0.1	100
	2004	Gill	10	0	0.0	0.0	15	1.5	100.0	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	15	1.5	
	2005	SB Gill	9	0	0.0	0.0	0	0.0	0.0	0.0	40	4.4	100.0	98.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	40	4.4	100
	2006	SB Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	7	1.2	35.0	103.9	13	2.2	65.0	98.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	20	3.3	100
Sauger	1998	Gill	6	0	0.0	0.0	2	0.3	100.0	102.9	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	2	0.3	
	1999	Gill	15	0	0.0	0.0	11	0.7	15.7	89.4	44	2.9	62.9	89.7	15	1.0	21.4	92.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	70	4.7	84
	2000	Gill	14	0	0.0	0.0	0	0.0	0.0	0.0	27	1.9	28.1	100.4	69	4.9	71.9	100.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	96	6.8	100
	2001	Gill	5	0	0.0	0.0	5	1.0	26.3	96.1	14	2.8	73.7	110.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	19	3.8	74
	2002	Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	10	1.7	31.3	92.2	22	3.7	68.8	98.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	32	5.3	100
	2003	Gill	10	0	0.0	0.0	1	0.1	9.1	96.2	3	0.3	27.3	105.7	6	0.6	54.5	101.4	1	0.1	9.1	106.7	0	0.0	0.0	0.0	11	1.1	91
	2004	Gill	10	0	0.0	0.0	0	0.0	0.0	0.0	35	3.5	74.5	98.9	11	1.1	23.4	103.2	1	0.1	2.1	113.1	0	0.0	0.0	0.0	47	4.7	
Saugeye	1998	Gill	6	0	0.0	0.0	1	0.2	3.8	106.2	24	4.0	92.3	105.3	1	0.2	3.8	107.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	26	4.3	96
	1999	Gill	15	0	0.0	0.0	0	0.0	0.0	0.0	2	0.1	9.1	108.1	19	1.3	86.4	106.5	1	0.1	4.6	97.3	0	0.0	0.0	0.0	22	1.5	100
	2000	Gill	14	0	0.0	0.0	0	0.0	0.0	0.0	3	0.2	50.0	104.4	0	0.0	0.0	0.0	3	0.2	50.0	104.3	0	0.0	0.0	0.0	6	0.4	
Flathead	1998	Gill	6	0	0.0	0.0	0	0.0	0.0	0.0	2	0.3	100.0	117.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	0.3	
Catfish	1999	Gill	15	0	0.0	0.0	2	0.1	14.3	80.8	6	0.4	42.9	119.6	5	0.3	35.7	135.9	1	0.1	7.1	133.2	0	0.0	0.0	0.0	14	0.9	86
	2000	Gill	14	0	0.0	0.0	7	0.5	33.3	97.1	13	0.9	61.9	104.1	1	0.1	4.8	106.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	21	1.5	67
	2002	Gill	6	0	0.0	0.0	2	0.3	66.6	108.2	0	0.0	0.0	0.0	1	0.2	33.3	110.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	0.5	33
Channel	1998	Gill	6	1	0.2	5.6	6	1.0	33.3	106.6	11	1.8	61.1	102.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	18	3.0	65
Catfish	1999	Gill	15	1	0.1	10.0	5	0.3	50.0	92.8	4	0.3	40.0	100.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	10	0.7	
	2000	Gill	14	7	0.5	24.1	13	0.9	44.8	83.2	8	0.6	27.6	103.1	1	0.1	3.4	129.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	29	2.1	45
	2001	Gill	5	3	0.6	37.5	3	0.6	37.5	100.7	2	0.4	25.0	102.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	8	1.6	40
	2002	Gill	6	14	2.3	42.4	12	2.0	36.6	94.6	7	1.2	21.2	108.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	33	5.5	37
	2003	Gill	10	6	0.6	10.3	39	3.9	67.2	91.5	12	1.2	20.7	101.7	1	0.1	1.7	99.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	58	5.8	25
	2004	Gill	10	19	1.9	40.4	23	2.3	48.9	81.8	5	0.5	10.6	89.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	47	4.7	

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

Size Class	Mean Wr	Std. Error	N
150	90.890	1.241	2
175	87.303	1.680	13
200	87.319	1.323	21
225	90.443	2.193	18
250	85.423	3.044	8
275	94.308	2.066	13
300	88.989	2.179	12
325	89.851	2.123	11
350	90.031	1.241	27
375	92.002	1.539	22
400	94.034	1.428	29
425	94.833	1.711	19
450	91.131	1.752	18
475	92.025	1.040	9
500	90.207	4.846	4
525	98.058		1
		Total Catch	227

Table 5. Mean relative weight and standard error values by size class for Cherokee Reservoir black crappie collected during the 2006 trap net sample.

Size Class	Mean Wr	Std. Error	N
150	103.178	3.172	10
175	99.606	1.386	44
200	98.492	0.665	115
225	97.300	0.802	101
250	95.274	0.551	89
275	96.403	0.501	125
300	94.293	0.703	40
325	90.575	2.671	4
350	94.822	5.194	2
		Total Catch	530

Table 6. Mean relative weight and standard error values by size class for Cherokee Reservoir black crappie collected during the 2006 electrofishiing sample.

Size Class	Mean Wr	Std. Error	N
200	103.300	3.198	4
225	100.291	4.889	5
250	98.820	4.094	7
275	100.682	5.172	6
300	105.965	1.591	6
325	106.534	1.615	4
		Total Catch	32

Table 7. Mean relative weight and standard error values by size class for Cherokee Reservoir hybrid striped bass collected in the 2006 winter gill net sample.

Size Class	Mean Wr	Std. Error	N
350	95.316		1
375	95.386		1
400	100.019	2.186	3
425	95.927	0.929	5
450	95.148	1.370	2
475			
500	94.754	2.213	7
525	94.135	0.995	24
550	94.271	1.035	13
575	92.357	2.165	12
600	91.043	1.826	13
625	92.509	2.138	4
650			
675	89.384		1
		Total Catch	86

Table 8. Mean relative weight and standard error values by size class for Cherokee Reservoir walleye collected in the 2006 winter gill net sample.

Size Class	Mean Wr	Std. Error	N
450	102.038	0.926	5
475	108.571	3.143	2
500	98.586	0.626	5
525	98.256	1.206	4
550	101.457	0.861	3
575	92.247		1
		Total Catch	20

Table 9. Geometric means of Region IV shad gill net catches in 2003.

	Alewife Geometric Mean	Threadfin Geometric Mean	Gizzard Geometric Mean
Norris	17.3	17.9	5.8
Cherokee	**67.3**	**1.9**	**67.7**
S Holston	8.2	5.5	4.0
Boone	107.3	0.0	14.4

Table 10. Geometric means of Region IV shad gill net catches in 2004.

	Alewife Geometric Mean	Threadfin Geometric Mean	Gizzard Geometric Mean
Norris	0.7	14.6	3.7
Cherokee	**5.3**	**9.7**	**9.3**
S Holston	1.8	4.0	2.2
Boone	3.0	1.5	42.3

Table 11. Geometric means of Region IV shad gill net catches in 2005.

	Alewife Geometric Mean	Threadfin Geometric Mean	Gizzard Geometric Mean
Norris	0.4	3.8	5.3
Cherokee	**0.1**	**1.6**	**1.7**
S Holston	0.2	3.9	3.1
Boone	2.4	15.9	26.1

Table 12. Geometric means of Region IV shad gill net catches in 2006.

	Alewife Geometric Mean	Threadfin Geometric Mean	Gizzard Geometric Mean
Norris	0.1	1.1	0.9
Cherokee	**0.4**	**3.0**	**3.3**
S Holston	0.2	2.7	1.3
Boone	2.4	11.2	25.9

Table 13. Summary of July 2006 Cherokee Reservoir water quality parameters within the areation system by the dam.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	27.6	233	8.5	8.3	DAM	1.8	710	7/5/2006
1	27.6	233	8.5	8.7				
2	27.1	233	8.5	7.8				
3	26.2	242	8.5	6.4				
4	25.7	252	8.3	5.6				
5	25.0	261	8.1	4.5				
6	24.1	268	8.0	2.0				
7	23.4	276	7.9	0.7				
8	22.5	283	7.8	0.3				
9	21.0	287	7.8	0.9				
10	20.2	288	7.7	1.4				
11	19.3	285	7.7	1.9				
12	18.9	283	7.7	2.6				
13	18.6	285	7.7	2.4				
14	18.3	285	7.6	2.5				
15	18.0	287	7.6	2.3				
16	17.8	288	7.6	2.2				
17	17.5	292	7.6	1.5				
18	17.2	292	7.6	1.7				
19	16.7	295	7.6	1.6				
20	16.4	297	7.6	1.3				
21	16.0	298	7.5	1.3				
22	15.5	299	7.5	1.3				
23	14.6	300	7.5	1.8				
24	14.0	299	7.5	1.5				
25	13.4	301	7.5	1.5				
26	13.0	301	7.5	1.4				
27	12.6	302	7.5	1.2				
28	12.2	303	7.5	1.1				
29	11.8	305	7.5	0.7				
30	11.6	305	7.5	0.7				

Table 14. Summary of July 2006 Cherokee Reservoir water quality parameters at Holston River Mile 55.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	28.7	235	9.2	7.8	H55	1.8	750	7/5/2006
1	28.7	235	8.9	8.2				
2	28.7	234	8.9	8.8				
3	28.3	233	8.8	8.8				
4	26.6	238	8.7	7.3				
5	24.8	260	8.3	3.5				
6	24.0	270	8.2	1.5				
7	22.4	281	8.0	0.3				
8	21.2	288	8.0	0.3				
9	20.6	286	7,9	1.4				
10	20.1	288	7.9	1.3				
11	19.5	288	7.9	1.3				
12	19.1	290	7.8	1.0				
13	18.7	291	7.8	1.0				
14	18.3	292	7.8	0.9				
15	18.0	292	7.8	1.1				
16	17.7	293	7.7	1.1				
17	17.3	293	7.7	1.0				
18	17.7	295	7.7	1.0				
19	16.6	296	7.7	1.0				
20	16.4	296	7.7	1.0				
21	16.0	298	7.7	1.1				
22	15.3	299	7.7	1.2				
23	14.6	300	7.6	1.1				
24	13.6	302	7.6	0.9				
25	13.4	303	7.6	0.8				
26	13.0	303	7.6	0.8				
27	12.8	303	7.6	0.8				
28	12.6	304	7.6	0.8				
29	12.3	306	7.6	0.5				
30	12.1	306	7.6	0.4				

Table 15. Summary of July 2006 Cherokee Reservoir water quality parameters at Holston River Mile 66.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	29.4	235	8.5	8.2	H66	1.5	830	7/5/2006
1	29.4	235	8.6	7.8				
2	29.3	235	8.6	7.5				
3	29.3	235	8.6	7.6				
4	28.9	237	8.6	7.5				
5	27.1	244	8.5	6.8				
6	25.8	269	8.3	2.8				
7	24.4	286	8.0	0.6				
8	22.9	289	7.9	0.9				
9	22.1	288	7.8	1.1				
10	21.5	287	7.8	1.0				
11	20.4	286	7.8	1.1				
12	19.4	287	7.7	1.1				
13	18.5	287	7.7	1.9				
14	18.2	288	7.7	1.9				
15	18.1	288	7.7	1.9				
16	17.7	289	7.6	1.9				
17	17.4	290	7.6	2.1				
18	16.9	292	7.6	1.8				
19	16.5	293	7.6	1.8				
20	16.1	295	7.6	1.7				
21	15.8	296	7.6	1.7				
22	15.2	299	7.5	1.7				
23	14.7	307	7.5	1.6				
24	14.2	312	7.5	1.6				
25	13.6	317	7.5	1.6				
26	13.1	323	7.5	1.4				
27	12.6	321	7.4	1.5				
28	12.1	317	7.4	1.3				
29	11.9	316	7.4	1.2				
30	11.7	315	7.4	1.1				

Table 16. Summary of July 2006 Cherokee Reservoir water quality parameters at Holston River Mile 75.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	29.3	238	8.7	8.1	H75	1.5	915	7/5/2006
1	29.3	238	8.7	8.3				
2	29.3	238	8.7	8.2				
3	28.9	241	8.6	8.1				
4	27.3	260	8.5	6.0				
5	26.2	280	8.2	2.7				
6	25.5	289	8.0	1.8				
7	24.4	296	7.9	0.7				
8	23.6	299	7.8	0.7				
9	22.5	296	7.7	0.7				
10	21.8	293	7.7	1.1				
11	20.9	292	7.7	0.8				
12	19.5	288	7.6	1.0				
13	19.0	286	7.6	0.9				
14	18.4	287	7.6	0.8				
15	18.1	287	7.6	0.6				
16	17.9	287	7.6	0.5				
17	17.6	288	7.6	0.5				
18	17.1	290	7.5	0.5				
19	16.7	291	7.5	0.4				
20	16.2	294	7.5	0.4				
21	15.6	298	7.5	0.4				
22	15.3	301	7.5	0.4				
23	14.9	304	7.5	0.4				
24	14.5	307	7.4	0.4				
25	13.9	314	7.4	0.4				
26	13.4	318	7.4	0.4				

Table 17. Summary of July 2006 Cherokee Reservoir water quality parameters at Holston River Mile 83.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	29.2	244	8.6	9.4	H83	1.5	1020	7/5/2006
1	29.2	244	8.7	9.7				
2	28.7	247	8.6	8.8				
3	27.9	266	8.5	7.1				
4	27.3	276	8.3	5.3				
5	26.8	286	8.1	3.6				
6	25.5	301	7.9	1.8				
7	24.9	303	7.8	1.7				
8	24.4	301	7.7	0.9				
9	23.6	298	7.7	0.3				
10	21.9	295	7.6	0.2				
11	20.4	290	7.6	0.2				
12	19.1	286	7.6	0.2				
13	18.5	286	7.6	0.2				
14	18.1	285	7.6	0.2				
15	17.9	286	7.5	0.2				
16	17.7	288	7.5	0.2				
17	17.4	289	7.5	0.2				
18	17.1	292	7.5	0.2				
19	16.6	295	7.4	0.2				
20	16.4	299	7.4	0.2				
21	15.5	311	7.4	0.2				
22	14.5	324	7.4	0.2				

Table 18. Summary of August 2006 Cherokee Reservoir water quality parameters within the areation system by the dam.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	28.6	264	8.7	7.6	DAM	2.5	830	8/1/2006
1	28.6	261	8.6	6.8				
2	28.6	261	8.5	6.8				
3	28.1	259	8.4	7.7				
4	27.8	260	8.3	7.5				
5	27.6	260	8.2	6.8				
6	27.2	264	8.1	5.8				
7	26.5	271	7.9	4.2				
8	26.0	276	7.8	2.1				
9	24.6	297	7.7	1.0				
10	23.1	290	7.6	2.1				
11	22.0	292	7.6	1.2				
12	21.1	294	7.4	0.7				
13	20.7	294	7.4	0.7				
14	20.0	297	7.3	0.8				
15	19.6	298	7.3	0.8				
16	19.3	298	7.2	0.7				
17	19.0	299	7.2	0.7				
18	18.8	301	7.1	0.5				
19	18.5	302	7.1	0.4				
20	18.1	303	7.1	0.5				
21	17.9	305	7.1	0.5				
22	17.8	305	7.1	0.5				
23	17.5	306	7.1	0.5				
24	17.3	306	7.0	0.5				
25	17.1	306	7.0	0.5				
26	16.8	307	7.0	0.5				
27	16.5	308	7.0	0.6				
28	16.3	308	7.0	0.6				
29	15.8	310	7.0	1.3				
30	15.4	312	7.0	1.1				

Table 19. Summary of August 2006 Cherokee Reservoir water quality parameters at Holston River Mile 55.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	28.9	261	7.8	7.2	H55	2.5	925	8/1/2006
1	28.9	260	7.9	6.9				
2	28.8	260	7.9	7.0				
3	28.1	260	7.9	7.2				
4	27.9	260	7.9	6.4				
5	27.6	261	7.9	6.5				
6	26.9	266	7.7	6.5				
7	26.3	271	7.6	5.6				
8	26.0	276	7.5	4.0				
9	24.9	282	7.4	3.5				
10	23.7	288	7.3	3.4				
11	22.0	292	7.2	3.5				
12	20.8	294	7.2	3.5				
13	20.4	296	7.1	3.0				
14	19.9	299	7.1	2.8				
15	19.8	298	7.1	3.5				
16	19.5	298	7.0	3.4				
17	19.1	301	7.0	3.4				
18	18.8	302	7.0	3.3				
19	18.5	303	7.0	2.8				
20	18.1	304	6.9	2.7				
21	17.9	305	6.9	2.8				
22	17.6	305	6.9	0.5				
23	17.4	306	6.9	0.3				
24	17.1	306	6.9	0.2				
25	16.9	307	6.9	0.2				
26	16.7	307	6.9	0.2				
27	16.4	308	6.9	0.2				
28	16.2	308	6.9	0.2				
29	15.9	310	6.9	0.2				
30	15.6	311	6.8	0.1				

Table 20. Summary of August 2006 Cherokee Reservoir water quality parameters at Holston River Mile 66.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	29.5	265	7.7	6.6	H66	2.5	1020	8/1/2006
1	29.4	266	7.7	6.6				
2	29.1	265	7.7	6.7				
3	28.6	266	7.7	5.9				
4	28.4	266	7.7	5.7				
5	28.2	267	7.7	5.4				
6	27.9	271	7.6	4.2				
7	26.9	284	7.5	2.3				
8	26.0	295	7.3	0.4				
9	24.4	304	7.2	0.2				
10	23.0	301	7.2	0.2				
11	22.0	298	7.2	0.2				
12	21.0	299	7.1	0.2				
13	20.7	298	7.1	0.2				
14	20.1	300	7.1	0.2				
15	19.9	300	7.1	0.2				
16	19.5	301	7.1	0.2				
17	19.1	301	7.0	0.1				
18	18.6	301	7.0	0.1				
19	18.4	302	7.0	0.1				
20	18.2	302	7.0	0.1				
21	18.0	302	7.0	0.1				
22	17.8	302	7.0	0.1				
23	17.6	302	7.0	0.1				
24	17.3	304	7.0	0.1				
25	17.1	304	6.9	0.1				
26	16.8	306	6.9	0.1				
27	16.5	309	6.9	0.1				
28	16.1	312	6.9	0.1				
29	15.8	315	6.9	0.1				
30	15.4	320	6.8	0.1				

Table 21. Summary of August 2006 Cherokee Reservoir water quality parameters at Holston River Mile 75.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	30.1	268	7.6	8.0	H75	2.0	1235	8/1/2006
1	29.2	268	7.7	7.1				
2	29.1	268	7.7	7.3				
3	29.1	268	7.8	7.2				
4	28.2	274	7.7	4.5				
5	28.0	275	7.5	4.2				
6	27.8	277	7.4	3.7				
7	27.6	289	7.3	2.9				
8	26.6	297	7.2	1.0				
9	25.5	300	7.1	0.3				
10	23.7	310	7.0	0.2				
11	22.1	313	7.0	0.2				
12	20.8	306	7.0	0.2				
13	19.8	301	7.0	0.2				
14	19.5	301	7.0	0.2				
15	19.1	300	6.9	0.2				
16	18.8	300	6.9	0.2				
17	18.4	302	6.9	0.2				
18	18.1	304	6.9	0.2				
19	17.9	306	6.9	0.2				
20	17.7	311	6.8	0.2				
21	17.5	314	6.8	0.2				
22	17.3	318	6.8	0.1				

Table 22. Summary of August 2006 Cherokee Reservoir water quality parameters at Holston River Mile 83.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	30.5	252	7.9	8.8	H83	1.3	1320	8/1/2006
1	29.5	252	7.9	9.2				
2	28.7	258	7.8	8.5				
3	28.6	259	7.8	8.4				
4	28.4	261	7.7	7.7				
5	28.2	263	7.6	5.6				
6	27.8	272	7.5	3.9				
7	27.7	275	7.3	3.5				
8	27.3	284	7.2	3.2				
9	26.5	290	7.2	3.6				
10	24.8	297	7.1	0.3				
11	22.7	309	7.0	0.2				
12	20.7	310	7.0	1.9				
13	19.5	304	6.9	1.6				
14	19.1	305	6.9	1.5				
15	18.8	305	6.9	1.8				
16	18.5	305	6.9	2.1				
17	18.0	308	6.8	2.1				
18	17.9	310	6.8	2.1				
19	17.6	313	6.8	2.2				
20	17.5	316	6.7	2.2				

Table 23. Summary of September 2006 Cherokee Reservoir water quality parameters at Holston River Mile 55.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.4	275	8.4	6.6	H55	3.0	930	9/8/2006
1	26.4	274	8.4	6.5				
2	26.4	274	8.3	6.4				
3	26.4	274	8.2	6.8				
4	26.4	274	8.1	5.4				
5	26.4	274	8.1	5.5				
6	26.4	274	8.0	7.2				
7	26.4	274	8.0	7.3				
8	26.4	274	8.0	7.2				
9	26.4	274	8.0	6.8				
10	26.4	274	8.0	6.8				
11	26.3	275	7.9	6.8				
12	25.2	287	7.8	2.9				
13	23.6	291	7.7	2.8				
14	22.8	291	7.6	1.7				
15	22.4	292	7.5	1.8				
16	22.0	293	7.5	1.6				
17	21.7	294	7.4	1.7				
18	21.2	295	7.4	2.2				
19	20.9	296	7.3	2.1				
20	20.6	298	7.3	1.8				
21	20.4	298	7.3	1.8				
22	20.1	299	7.3	1.3				
23	19.9	300	7.3	1.3				
24	19.6	301	7.2	0.9				
25	19.4	302	7.2	1.0				
26	19.1	303	7.2	0.9				
27	18.8	304	7.2	0.6				
28	18.6	305	7.2	0.2				
29	18.4	306	7.2	0.3				
30	18.2	308	7.2	0.2				

Table 24. Summary of September 2006 Cherokee Reservoir water quality parameters at Holston River Mile 66.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.3	278	8.4	5.7	H66	2.5	1030	9/8/2006
1	26.3	278	8.3	5.1				
2	26.2	278	8.1	5.2				
3	26.2	278	8.1	5.1				
4	26.2	278	8.0	5.2				
5	26.2	278	8.0	4.9				
6	26.2	278	7.9	4.7				
7	26.2	277	7.9	5.0				
8	26.2	278	7.9	5.0				
9	26.2	278	7.9	5.2				
10	26.1	278	7.9	5.0				
11	26.0	279	7.8	4.9				
12	25.7	282	7.8	3.3				
13	24.3	296	7.7	0.3				
14	23.1	297	7.6	0.2				
15	22.7	297	7.5	0.2				
16	22.2	299	7.5	0.2				
17	21.8	299	7.5	0.2				
18	21.4	300	7.4	0.1				
19	21.1	301	7.4	0.1				
20	20.8	303	7.4	0.1				
21	20.6	304	7.3	0.1				
22	20.2	305	7.3	0.1				
23	19.9	308	7.3	0.1				
24	19.6	311	7.3	0.1				
25	19.3	314	7.2	0.1				
26	19.0	315	7.2	0.1				
27	18.8	318	7.2	0.1				
28	18.6	320	7.2	0.1				
29	18.5	321	7.1	0.1				
30	18.4	322	7.1	0.1				

Table 25. Summary of September 2006 Cherokee Reservoir water quality parameters at Holston River Mile 75.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	26.7	278	8.3	7.9	H75	1.8	1130	9/8/2006
1	26.4	279	8.3	7.5				
2	26.3	279	8.2	5.6				
3	26.3	281	8.0	5.1				
4	26.3	281	8.0	5.1				
5	26.3	281	7.9	4.8				
6	26.3	281	7.9	4.9				
7	26.2	281	7.9	4.9				
8	26.2	281	7.9	4.9				
9	26.1	282	7.8	4.6				
10	26.0	284	7.8	4.1				
11	25.7	294	7.6	0.7				
12	25.3	313	7.6	0.5				
13	24.2	305	7.5	0.3				
14	23.6	307	7.5	0.2				
15	22.7	308	7.4	0.2				
16	22.1	313	7.4	0.1				
17	21.8	312	7.4	0.1				
18	21.5	316	7.3	0.1				
19	21.1	322	7.3	0.1				
20	20.8	330	7.2	0.1				
21	20.3	384	7.1	0.1				
22	20.0	382	7.1	0.1				
23	19.9	369	7.1	0.1				

Table 26. Summary of September 2006 Cherokee Reservoir water quality parameters at Holston River Mile 83.

Depth (m)	Temp ©	Cond	PH	DO	Site	Secchi (m)	Time	Date
0	27.0	278	8.1	7.2	H83	1.5	1200	9/8/2006
1	26.4	279	8.2	6.7				
2	26.3	279	8.1	6.6				
3	26.2	281	8.0	4.6				
4	26.2	282	7.9	5.1				
5	26.2	280	7.9	5.8				
6	26.2	280	7.8	5.6				
7	26.2	280	7.8	4.4				
8	26.1	282	7.7	3.8				
9	26.0	283	7.6	3.8				
10	26.0	284	7.6	4.2				
11	25.6	285	7.6	4.0				
12	25.3	285	7.5	3.6				
13	24.6	285	7.4	0.8				
14	23.8	304	7.3	0.2				
15	23.4	318	7.2	0.2				
16	22.9	322	7.2	0.1				
17	21.9	337	7.1	0.1				
18	20.8	351	7.1	0.1				
19	20.3	358	7.1	0.1				

Table 27. Length range and weighted mean length by age of hybrid striped bass from Cherokee Reservoir 2006 winter gill net sample.

AGE	Minimum length at capture	Weighted mean length at capture	Maximum length at capture	N
1				
2	361	**430**	518	13
3	503	**536**	560	31
4	544	**563**	653	16
5	582	**603**	626	6
6	559	**606**	675	19

Table 28. Cherokee Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
1038.55	JANUARY	1	1044.39	FEBRUARY	24	1055.14	APRIL	19
1038.78	JANUARY	2	1044.75	FEBRUARY	25	1055.50	APRIL	20
1039.03	JANUARY	3	1045.00	FEBRUARY	26	1056.14	APRIL	21
1039.31	JANUARY	4	1044.90	FEBRUARY	27	1057.35	APRIL	22
1039.61	JANUARY	5	1044.51	FEBRUARY	28	1058.28	APRIL	23
1039.20	JANUARY	6	1044.67	MARCH	1	1058.85	APRIL	24
1039.39	JANUARY	7	1044.83	MARCH	2	1059.47	APRIL	25
1039.51	JANUARY	8	1044.97	MARCH	3	1060.23	APRIL	26
1039.68	JANUARY	9	1045.11	MARCH	4	1060.92	APRIL	27
1039.80	JANUARY	10	1045.25	MARCH	5	1061.47	APRIL	28
1039.96	JANUARY	11	1045.38	MARCH	6	1062.04	APRIL	29
1040.04	JANUARY	12	1044.89	MARCH	7	1062.54	APRIL	30
1040.17	JANUARY	13	1044.63	MARCH	8	1062.89	MAY	1
1040.29	JANUARY	14	1044.75	MARCH	9	1063.22	MAY	2
1040.57	JANUARY	15	1044.90	MARCH	10	1063.51	MAY	3
1040.51	JANUARY	16	1045.01	MARCH	11	1063.80	MAY	4
1040.45	JANUARY	17	1045.14	MARCH	12	1064.15	MAY	5
1041.03	JANUARY	18	1045.24	MARCH	13	1064.50	MAY	6
1042.04	JANUARY	19	1045.51	MARCH	14	1064.69	MAY	7
1042.59	JANUARY	20	1045.86	MARCH	15	1064.87	MAY	8
1043.15	JANUARY	21	1046.07	MARCH	16	1065.13	MAY	9
1043.52	JANUARY	22	1046.28	MARCH	17	1065.39	MAY	10
1043.15	JANUARY	23	1046.48	MARCH	18	1065.68	MAY	11
1043.67	JANUARY	24	1046.62	MARCH	19	1066.00	MAY	12
1043.77	JANUARY	25	1046.86	MARCH	20	1066.21	MAY	13
1043.64	JANUARY	26	1047.06	MARCH	21	1066.32	MAY	14
1043.54	JANUARY	27	1047.30	MARCH	22	1066.42	MAY	15
1043.90	JANUARY	28	1047.50	MARCH	23	1066.60	MAY	16
1044.08	JANUARY	29	1047.67	MARCH	24	1066.69	MAY	17
1043.94	JANUARY	30	1047.86	MARCH	25	1066.85	MAY	18
1043.98	JANUARY	31	1048.03	MARCH	26	1066.99	MAY	19
1043.94	FEBRUARY	1	1048.19	MARCH	27	1067.14	MAY	20
1044.21	FEBRUARY	2	1048.34	MARCH	28	1067.29	MAY	21
1044.41	FEBRUARY	3	1048.47	MARCH	29	1067.45	MAY	22
1044.48	FEBRUARY	4	1048.60	MARCH	30	1067.66	MAY	23
1044.36	FEBRUARY	5	1048.79	MARCH	31	1067.88	MAY	24
1044.41	FEBRUARY	6	1048.94	APRIL	1	1068.15	MAY	25
1044.77	FEBRUARY	7	1049.09	APRIL	2	1068.38	MAY	26
1044.75	FEBRUARY	8	1049.42	APRIL	3	1068.56	MAY	27
1044.64	FEBRUARY	9	1049.67	APRIL	4	1068.69	MAY	28
1044.29	FEBRUARY	10	1049.94	APRIL	5	1068.96	MAY	29
1043.85	FEBRUARY	11	1050.17	APRIL	6	1069.11	MAY	30
1043.92	FEBRUARY	12	1050.45	APRIL	7	1069.42	MAY	31
1043.24	FEBRUARY	13	1051.37	APRIL	8	1069.64	JUNE	1
1042.85	FEBRUARY	14	1052.33	APRIL	9	1069.99	JUNE	2
1043.12	FEBRUARY	15	1052.89	APRIL	10	1070.27	JUNE	3
1043.23	FEBRUARY	16	1053.25	APRIL	11	1070.48	JUNE	4
1043.38	FEBRUARY	17	1053.54	APRIL	12	1070.50	JUNE	5
1043.14	FEBRUARY	18	1053.78	APRIL	13	1070.59	JUNE	6
1043.06	FEBRUARY	19	1053.97	APRIL	14	1070.59	JUNE	7
1043.16	FEBRUARY	20	1054.19	APRIL	15	1070.58	JUNE	8
1043.25	FEBRUARY	21	1054.34	APRIL	16	1070.59	JUNE	9
1043.57	FEBRUARY	22	1054.53	APRIL	17	1070.67	JUNE	10
1044.01	FEBRUARY	23	1054.65	APRIL	18	1070.71	JUNE	11

Table 29. Cherokee Reservoir water levels for 2006. (TVA)

ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY	ELEVATION	MONTH	DAY
1070.61	JUNE	12	1064.78	AUGUST	5	1057.20	SEPTEMBER	28
1070.45	JUNE	13	1064.74	AUGUST	6	1057.12	SEPTEMBER	29
1070.20	JUNE	14	1064.29	AUGUST	7	1057.24	SEPTEMBER	30
1070.01	JUNE	15	1063.89	AUGUST	8	1057.28	OCTOBER	1
1069.93	JUNE	16	1063.53	AUGUST	9	1056.80	OCTOBER	2
1070.06	JUNE	17	1063.27	AUGUST	10	1056.47	OCTOBER	3
1070.16	JUNE	18	1062.87	AUGUST	11	1056.07	OCTOBER	4
1069.94	JUNE	19	1063.04	AUGUST	12	1055.76	OCTOBER	5
1069.68	JUNE	20	1063.11	AUGUST	13	1055.27	OCTOBER	6
1069.35	JUNE	21	1062.84	AUGUST	14	1055.32	OCTOBER	7
1069.28	JUNE	22	1062.68	AUGUST	15	1055.36	OCTOBER	8
1069.24	JUNE	23	1062.42	AUGUST	16	1055.12	OCTOBER	9
1069.28	JUNE	24	1062.19	AUGUST	17	1054.74	OCTOBER	10
1069.31	JUNE	25	1061.97	AUGUST	18	1054.34	OCTOBER	11
1069.14	JUNE	26	1061.85	AUGUST	19	1054.01	OCTOBER	12
1069.15	JUNE	27	1061.60	AUGUST	20	1053.77	OCTOBER	13
1069.12	JUNE	28	1061.22	AUGUST	21	1053.50	OCTOBER	14
1069.28	JUNE	29	1060.82	AUGUST	22	1053.58	OCTOBER	15
1069.29	JUNE	30	1060.50	AUGUST	23	1053.47	OCTOBER	16
1069.43	JULY	1	1060.27	AUGUST	24	1053.14	OCTOBER	17
1069.45	JULY	2	1060.07	AUGUST	25	1052.87	OCTOBER	18
1069.31	JULY	3	1059.87	AUGUST	26	1052.65	OCTOBER	19
1069.17	JULY	4	1059.65	AUGUST	27	1052.61	OCTOBER	20
1069.20	JULY	5	1059.18	AUGUST	28	1052.66	OCTOBER	21
1069.14	JULY	6	1058.80	AUGUST	29	1052.73	OCTOBER	22
1069.13	JULY	7	1058.56	AUGUST	30	1052.20	OCTOBER	23
1069.19	JULY	8	1058.61	AUGUST	31	1051.83	OCTOBER	24
1069.28	JULY	9	1058.52	SEPTEMBER	1	1051.47	OCTOBER	25
1068.85	JULY	10	1058.70	SEPTEMBER	2	1050.92	OCTOBER	26
1068.80	JULY	11	1058.71	SEPTEMBER	3	1051.08	OCTOBER	27
1068.24	JULY	12	1058.78	SEPTEMBER	4	1051.26	OCTOBER	28
1068.26	JULY	13	1058.81	SEPTEMBER	5	1051.60	OCTOBER	29
1068.10	JULY	14	1059.07	SEPTEMBER	6	1051.43	OCTOBER	30
1068.12	JULY	15	1058.85	SEPTEMBER	7	1051.18	OCTOBER	31
1068.40	JULY	16	1058.70	SEPTEMBER	8	1050.98	NOVEMBER	1
1068.11	JULY	17	1058.84	SEPTEMBER	9	1050.70	NOVEMBER	2
1067.98	JULY	18	1058.73	SEPTEMBER	10	1050.43	NOVEMBER	3
1067.69	JULY	19	1058.36	SEPTEMBER	11	1050.26	NOVEMBER	4
1067.30	JULY	20	1058.26	SEPTEMBER	12	1049.94	NOVEMBER	5
1067.24	JULY	21	1058.19	SEPTEMBER	13	1049.37	NOVEMBER	6
1067.33	JULY	22	1058.12	SEPTEMBER	14	1049.09	NOVEMBER	7
1067.45	JULY	23	1058.14	SEPTEMBER	15	1048.81	NOVEMBER	8
1067.27	JULY	24	1057.86	SEPTEMBER	16	1048.41	NOVEMBER	9
1067.23	JULY	25	1057.46	SEPTEMBER	17	1048.08	NOVEMBER	10
1067.13	JULY	26	1056.81	SEPTEMBER	18	1047.91	NOVEMBER	11
1067.06	JULY	27	1057.03	SEPTEMBER	19	1047.65	NOVEMBER	12
1067.02	JULY	28	1057.12	SEPTEMBER	20	1047.29	NOVEMBER	13
1067.07	JULY	29	1057.22	SEPTEMBER	21	1046.86	NOVEMBER	14
1067.13	JULY	30	1057.21	SEPTEMBER	22	1046.72	NOVEMBER	15
1066.67	JULY	31	1057.36	SEPTEMBER	23	1046.91	NOVEMBER	16
1066.26	AUGUST	1	1057.58	SEPTEMBER	24	1046.72	NOVEMBER	17
1065.69	AUGUST	2	1057.43	SEPTEMBER	25	1046.58	NOVEMBER	18
1065.25	AUGUST	3	1057.33	SEPTEMBER	26	1046.22	NOVEMBER	19
1064.82	AUGUST	4	1056.99	SEPTEMBER	27	1045.98	NOVEMBER	20

Table 30. Cherokee Reservoir water levels for 200. (TVA)

ELEVATION	MONTH	DAY
1045.76	NOVEMBER	21
1045.10	NOVEMBER	22
1044.90	NOVEMBER	23
1044.30	NOVEMBER	24
1043.80	NOVEMBER	25
1043.27	NOVEMBER	26
1042.67	NOVEMBER	27
1042.35	NOVEMBER	28
1042.22	NOVEMBER	29
1042.34	NOVEMBER	30
1042.35	DECEMBER	1
1042.16	DECEMBER	2
1041.97	DECEMBER	3
1041.65	DECEMBER	4
1041.60	DECEMBER	5
1041.36	DECEMBER	6
1041.04	DECEMBER	7
1040.76	DECEMBER	8
1040.75	DECEMBER	9
1040.87	DECEMBER	10
1040.94	DECEMBER	11
1041.04	DECEMBER	12
1041.11	DECEMBER	13
1041.10	DECEMBER	14
1041.13	DECEMBER	15
1041.07	DECEMBER	16
1040.96	DECEMBER	17
1041.04	DECEMBER	18
1040.97	DECEMBER	19
1040.82	DECEMBER	20
1041.00	DECEMBER	21
1041.13	DECEMBER	22
1041.27	DECEMBER	23
1041.62	DECEMBER	24
1041.70	DECEMBER	25
1041.72	DECEMBER	26
1041.87	DECEMBER	27
1041.92	DECEMBER	28
1041.98	DECEMBER	29
1042.07	DECEMBER	30
1042.13	DECEMBER	31

Table 31. Cherokee Reservoir fish habitat enhancement summary for 2006.

	NEW SITES			RENOVATED SITES			EXPANDED SITES		
LOCATION	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES	NUMBER	UNITS	ACRES
HRM 63.5 R*				1	52	1.04			
HRM 63.5 R*				1	45	0.90			
HRM 63.5 R*				1	50	1.00			
HRM 63.5 R*				1	50	1.00			
HRM 63.5 R*				1	45	1.00			
HRM 63.5 R*				1	42	0.84			
				6	284	5.78			

*Christmas trees

Table 32. Summary of creel results for Cherokee Reservoir 1998-2005.

Cherokee Species	YEAR	Intended % Effort	Intended Angler Hrs	Intended Angler Trips	Intended Trip Expeniture	Intended Caught	Intended Caught per hr	Intended Harvested	Intended Harvested per hr	Intended Interviews	(Total) Caught	(Total) Harvest	Ave Weight lb	(#) Fish Rec.	% Released	% Harvest Composition	Total Res Intend Effort Hrs
Any	1998	4.5	21,705	4,635													
Species	1999	4.6	16,564	3,404			0.90		0.59	48							
	2000	8.9	41,461	8,105	$28,050		1.25		0.70	92							
	2002	7.0	30,438	5,576	$21,480		1.64		1.05	61							
	2004	6.3	29,846	5,156	$7,650		1.23		0.63	48							
Any(All)	1998	42.1	204,865	43,750							157,447	20,145		319			
Blackbass	1999	37.2	133,874	27,514		93,534	0.63	11,397	0.08	586	98,628	12,838		332			
	2000	2.3	10,798	2,068	$14,630	108,850	0.53	7,062	0.01	47	135,218	9,946		171			
	2002	0.1	412	72	$340	158,686	2.00	2,931	0.00	2	196,789	5,159		130			
	2004	0.3	1,587	262	$3,080	120,189	0.33	1,109	0.00	4	153,639	4,622		86			
Any(All)	1998	10.9	52,991	11,316							82,802	19,035		341			
Crappie	1999	13.5	48,438	9,956		104,608	2.24	33,704	0.78	205	106,676	33,980		837			
	2000	15.0	70,005	12,975	$44,280	124,399	1.91	30,577	0.53	260	126,371	30,815		642			
	2002	17.1	74,223	13,715	$27,970	62,258	1.06	17,043	0.37	241	64,080	17,368		375			
	2004	20.4	96,689	16,832	$57,660	68,262	1.03	25,148	0.41	259	70,180	25,544		518			
Any(All)	1998	1.8	8,558	1,828							36,973	20,268		433			
Sunfish	1999	1.1	3,958	813		12,902	3.18	9,228	2.32	13	23,673	12,723		324			
	2000	1.2	5,393	1,094	$4,510	36,286	3.08	21,884	1.83	12	74,346	32,299		521			
	2002	1.2	5,376	1,008	$770		3.17		1.71	12	17,042	9,193					
	2004	0.9	4,223	752	$3,760		4.29		2.46	11	18,117	10,388					
Any(All)	1998	5.9	28,686	6,127							37,134	13,977		221			
Catfish	1999	8.1	29,209	6,004		24,557	0.76	18,952	0.58	92	25,849	19,950		493			
	2000	7.8	36,277	7,196	$28,810	51,168	0.99	37,822	0.77	102	52,045	38,190		627			
	2002	8.5	36,990	6,759	$31,280	42,551	0.86	27,174	0.62	93	47,674	29,993		649			
	2004	4.4	20,832	3,621	$14,870	25,825	0.78	16,294	0.52	43	33,673	20,472		335			
Any(All)	1998		see STRB								87,220	33,287		688			
Temperate	1999		see STRB			46,109		18,305			52,833	19,791		526			
Bass	**2000**	0.0	0	0	$0	74,574	0.00	29,880	0.00	0	81,875	31,367		482			
	2002	0.1	273	36	$780	48,755	0.46	22,263	0.15	1	59,434	23,769		580			
	2004	0.2	794	140	$3,090	34,535	0.99	13,194	0.32	2	78,594	20,819		419			
Large-	1998		not separated prior to 2000 and is the reason lumped into all black bass category								140,246	17,513	2.9	270			
mouth	1999	0.3	996	205		79,167	1.42	9,786	0.50	5	82,777	10,933	2.08	286	86.8	10.2	
Bass	**2000**	30.7	143,082	26,754	$156,350	103,203	0.54	6,232	0.04	483	115,572	7,623	2.60	126	93.4	5.2	
	2002	43.3	188,015	34,586	$201,950	153,091	0.68	2,300	0.01	655	168,754	3,195	2.29	75	98.1	3.2	
	2004	39.7	188,043	32,501	$459,720	115,622	0.57	958	0.00	566	128,598	2,075	2.45	39	98.4	2.3	
Small-	1998		not separated prior to 2000 and is the reason lumped into all black bass category								15,551	2,549	2.32	48			
mouth	1999	0.2	856	176		14,127	0.46	1,555	0.12	3	15,611	1,849	2.63	44	88.2	1.7	
Bass	**2000**	2.4	11,366	2,223	$13,420	5,048	0.24	830	0.05	41	18,448	2,024	2.46	39	89.0	1.4	
	2002	2.4	10,317	1,888	$10,050	3,942	0.26	244	0.02	35	22,171	1,219	1.97	30	94.5	1.2	
	2004	0.8	3,694	658	$6,780	4,408	0.68	0	0.00	11	19,810	839	2.77	13	95.8	0.9	
Spotted	1998		not separated prior to 2000 and is the reason lumped into all black bass category								83	83	0.30	1			
Bass	1999	0.0	0	0		240	0.00	56	0.00	0	240	56	0.90	2	76.7	0.1	
	2000	0.0	0	0	$0	599	0.00	0	0.00	0	1,198	299	1.60	6	75.0	0.2	
	2002	0.2	790	153	$150	1,653	1.12	387	0.34	3	5,864	745	0.63	25	87.3	0.7	
	2004	0.0	0	0	$0	159	0.00	151	0.00	0	5,231	1,708	0.88	34	67.3	1.9	
Striped	1998	30.8	149,598	31,948							73,388	25,331	11.49	478			
Bass	1999	28.0	100,551	20,664		31,162	0.32	14,452	0.16	386	32,900	14,783	12.51	400	55.1	13.8	
	2000	29.0	135,125	26,077	$288,710	66,736	0.40	26,899	0.17	355	69,586	27,289	10.14	420	60.8	18.6	
	2002	17.4	75,660	13,709	$230,360	20,789	0.18	8,425	0.10	217	22,613	8,513	11.41	193	62.4	8.5	
	2004	22.9	108,442	18,541	$357,800	22,523	0.18	9,551	0.08	256	25,533	10,113	11.72	198	60.4	11.0	
Cherokee	1998	0.0	0	0							276	90	7.03	3			
Bass	1999	0.0	0	0		0	0.00	0	0.00	0	41	41	7.20	1	0.0	0.0	
	2000	0.0	0	0	$0	0	0.00	0	0.00	0	169	169	9.68	3	0.0	0.1	
	2002	0.1	549	105	$450	226	0.32	184	0.32	2	3,503	1,056	4.32	23	69.9	1.1	
	2004	3.8	18,090	3,113	$54,590	10,207	0.43	2,909	0.14	42	43,727	8,184	6.36	166	81.3	8.9	

Table 33. Summary of creel results for Cherokee Reservoir 1998-2005.

Cherokee Species	YEAR	Intended % Effort	Intended Angler Hrs	Intended Angler Trips	Intended Trip Expeniture	Intended Caught	Intended Caught per hr	Intended Harvested	Intended Harvested per hr	Intended Interviews	(Total) Caught	(Total) Harvest	Ave Weight lb	(#) Fish Rec.	% Released	% Harvest Composition	Total Res Intend Effort Hrs
White Bass	1998	1.3	6,339	1,354							13,556	7,866	1.34	207			
	1999	3	10,896	2,240		14,834	1.92	3,780	0.57	25	19,779	4,894	1.85	123	75.3	4.6	
	2000	1.6	7,463	1,314	$6,450	7,838	1.29	2,981	0.53	17	12,120	3,909	0.98	59	67.7	2.7	
	2002	2.5	10,743	1,870	$11,300	27,740	1.90	13,654	1.12	2	33,318	14,200	0.46	364	57.4	14.2	
	2004	0.3	1,277	225	$1,390	1,805	1.73	734	0.80	4	9,334	2,522	2.35	55	73.0	2.7	
Walleye	1998	2.3	11,166	2,383							12,105	2,360	2.11	63			
	1999	3.3	12,036	2,475		5,642	0.54	2,344	0.24	36	7,437	3,033	1.87	66	59.2	2.8	
	2000	1.1	5,303	943	$3,780	2,044	0.37	935	0.18	21	2,743	1,351	2.01	26	50.7	0.9	
	2002	0.2	794	140	$1,140	0	0.00	0	0.00	2	118	118	1.40	3	0.0	0.1	
	2004	0.1	656	120	$1,640	415	0.44	104	0.13	2	711	104	1.40	2	85.4	0.1	
Sauger	1998										0	0	na	0	na		
	1999					0		0			1,026	407	1.28	10	60.3	0.4	
	2000					56		0			1,169	477	2.04	8	59.2	0.3	
	2002					0		0			114	0	na	0	100.0	0.0	
	2004					0		0			185	0	na	0	100.0	0.0	
White Crappie	1998										16,758	3,708	1.18	71			
	1999					19,762		6,738			20,312	6,851	1.17	182	66.3	6.4	
	2000					18,020		4,683			18,509	4,793	0.89	87	74.1	3.3	
	2002					28,556		6,528			29,824	6,713	0.79	145	77.5	6.7	
	2004					9,840		1,954			10,625	1,954	0.65	38	81.6	2.1	
Black Crappie	1998										55,878	12,526	0.56	229			
	1999					69,653		23,731			70,944	23,857	0.81	567	66.4	22.3	
	2000					86,477		20,514			87,769	20,563	0.82	416	76.6	14.0	
	2002					27,048		8,410			27,380	8,502	0.97	185	68.9	8.5	
	2004					55,343		22,029			56,429	22,425	0.77	453	60.3	24.4	
Black-nose Crappie	1998										10,166	2,801	0.65	41			
	1999					15,193		3,235			15,420	3,272	1.20	88	78.8	3.1	
	2000					19,902		5,380			20,093	5,459	0.93	139	72.8	3.7	
	2002					6,654		2,105			6,876	2,153	1.11	45	68.7	2.2	
	2004					3,079		1,165			3,126	1,165	0.83	27	62.7	1.3	
Bluegill	1998										36,973	20,268	0.39	433			
	1999					12,902		9,228			23,673	12,723	0.50	324	46.3	11.9	
	2000					36,286		21,884			74,219	32,299	0.19	521	56.5	22.0	
	2002										17,042	9,193					
	2004										18,117	10,388					
Channel Catfish	1998										26,625	11,556	2.20	181			
	1999					22,935		17,365			23,694	17,865	3.37	429	24.6	16.7	
	2000					46,507		33,297			47,038	33,424	1.65	526	28.9	22.8	
	2002					37,418		22,551			42,292	25,180	1.76	546	40.5	25.3	
	2004					24,264		14,941			31,966	19,067	1.43	305	40.4	20.8	
Flathead Catfish	1998										8,200	1,203	4.22	18			
	1999					1,137		1,102			1,585	1,515	9.33	44	4.4	1.4	
	2000					3,877		3,770			4,066	3,910	6.49	84	3.8	2.7	
	2002					4,242		3,740			4,380	3,875	4.71	86	11.5	3.9	
	2004					1,414		1,249			1,414	1,249	5.85	27	11.7	1.4	
Blue Catfish	1998										1,600	509	6.14	9			
	1999					485		485			570	570	21.45	20	0.0	0.5	
	2000					784		755			941	856	6.68	17	9.0	0.6	
	2002					891		883			1,002	938	9.39	17	6.4	0.9	
	2004					147		104			293	156	6.55	3	46.8	0.2	
TOTAL	1998		486,350	103,862							426,320	113,827		2,131			486,350
	1999		359,495	73,885		290,439		95,643		1,405	323,766	106,115		2,676			359,495
	2000		466,273	88,749	$588,990	398,538		129,056		1,430	477,150	146,621		2,504			466,273
	2002		434,580	79,617	$538,020	313,842		70,137		1,346	372,171	77,886		1,764			434,580
	2004		474,173	81,921	$972,030	250,342		56,701		1,248	340,824	73,869		1,399			474,173

Figures

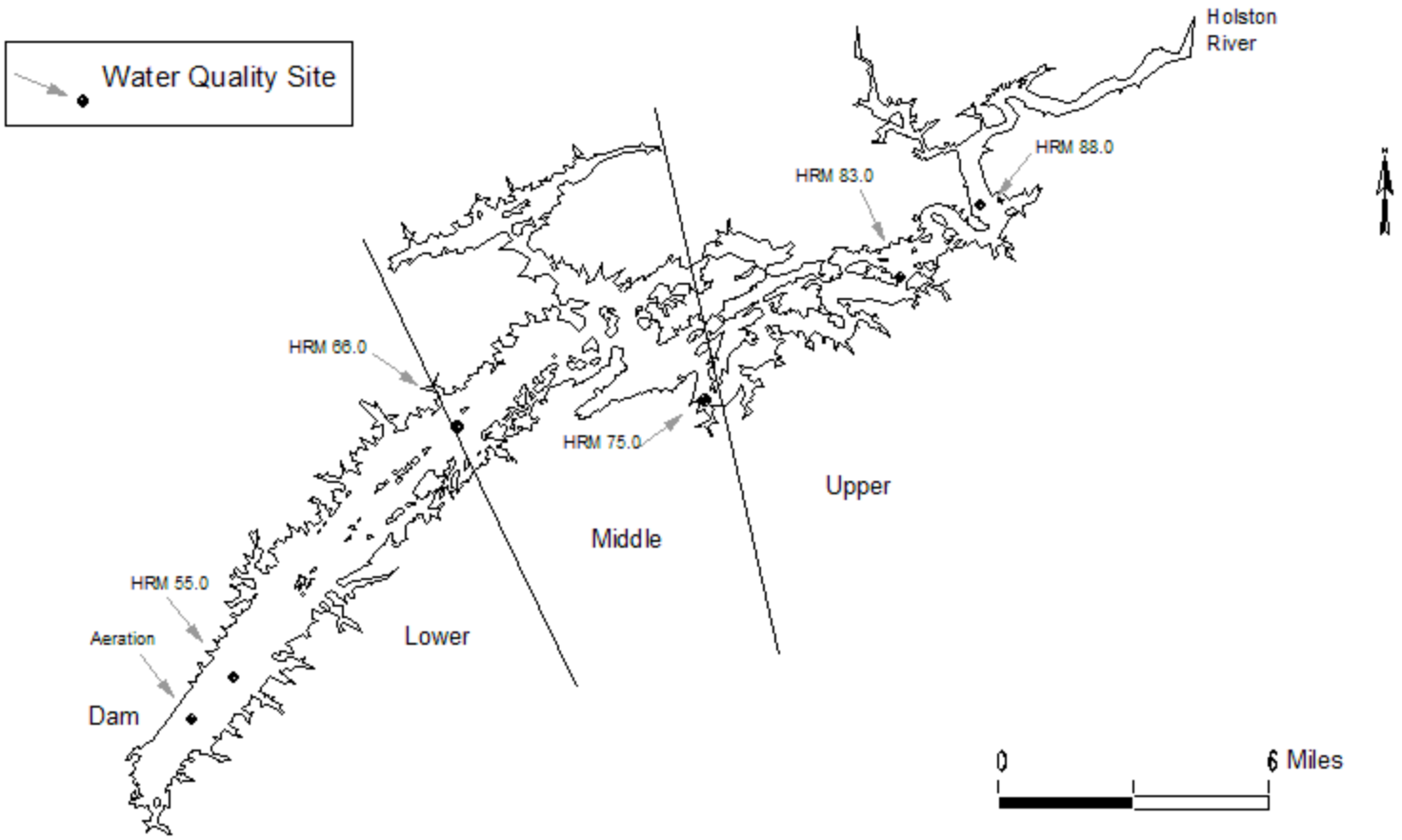


Figure 1. Water quality sites and the upper, middle, and lower section boundaries of Cherokee Reservoir in 2006.

Figure 2. Electrofishing sites in the lower section of Cherokee Reservoir in 2006

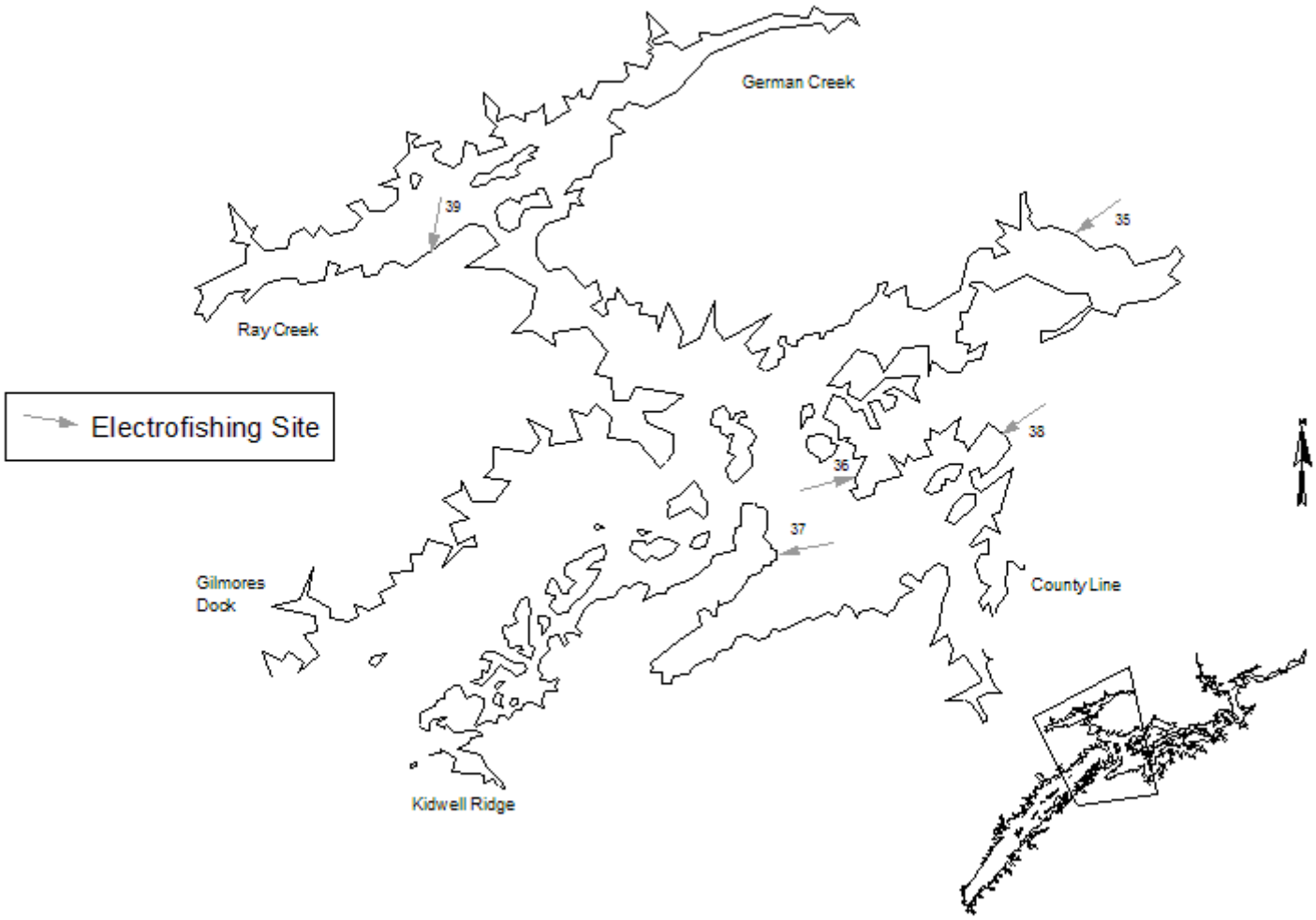


Figure 3. Electrofishing sites in the middle section of Cherokee Reservoir in 2006.

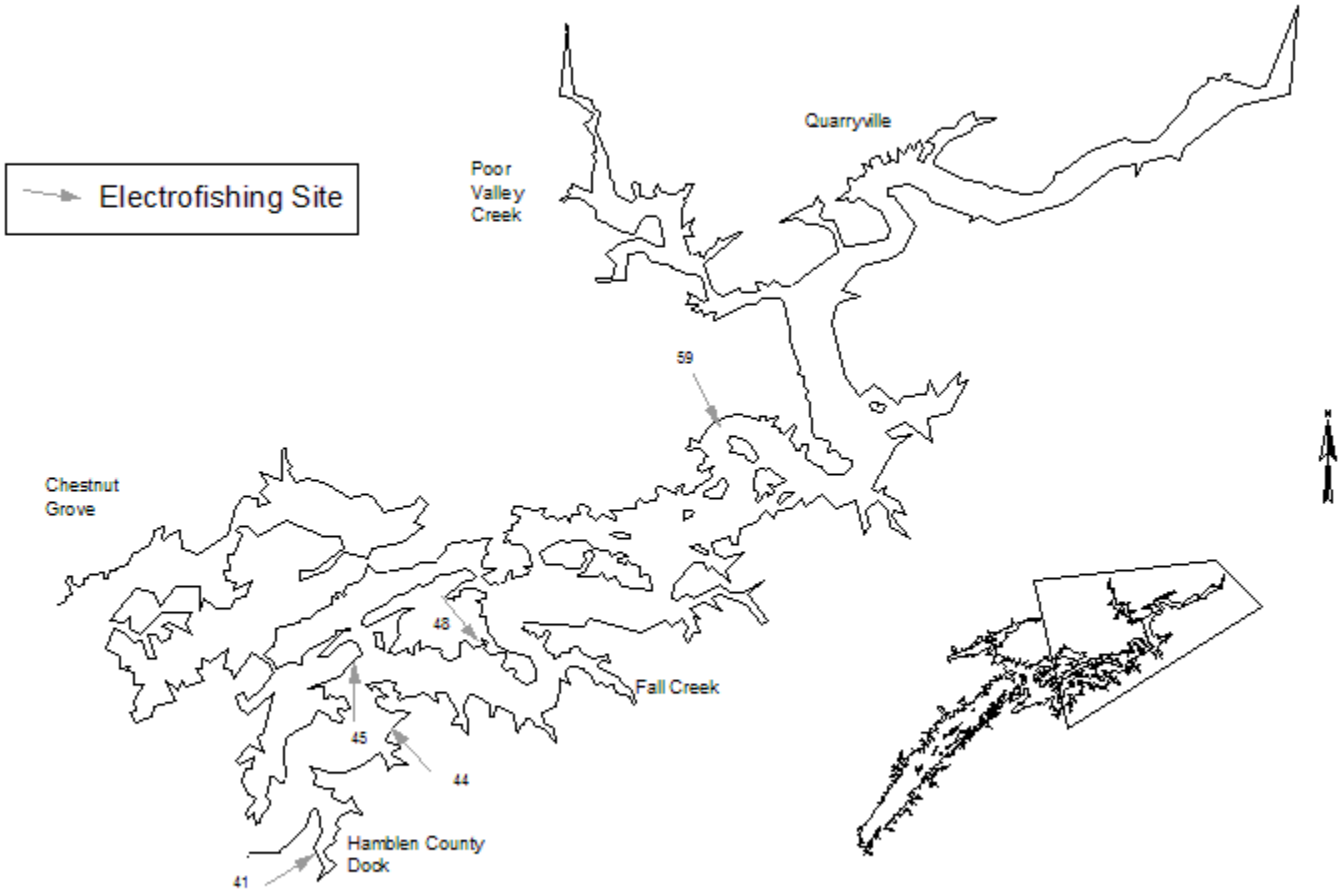


Figure 4. Electrofishing sites in the upper section of Cherokee Reservoir in 2006

Figure 5. Trap net sites in the lower section of Cherokee Reservoir in 2006.

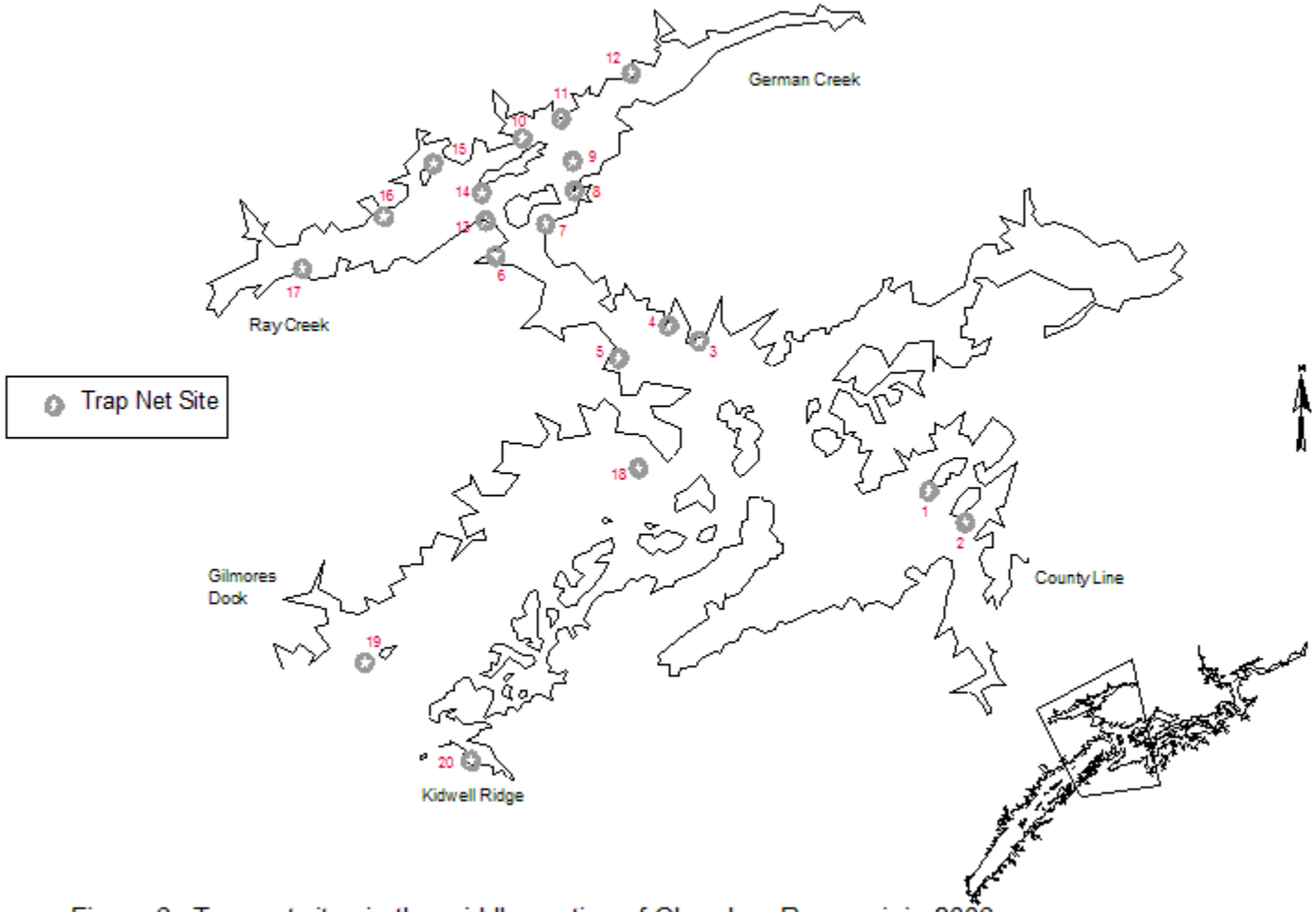


Figure 6. Trap net sites in the middle section of Cherokee Reservoir in 2006.

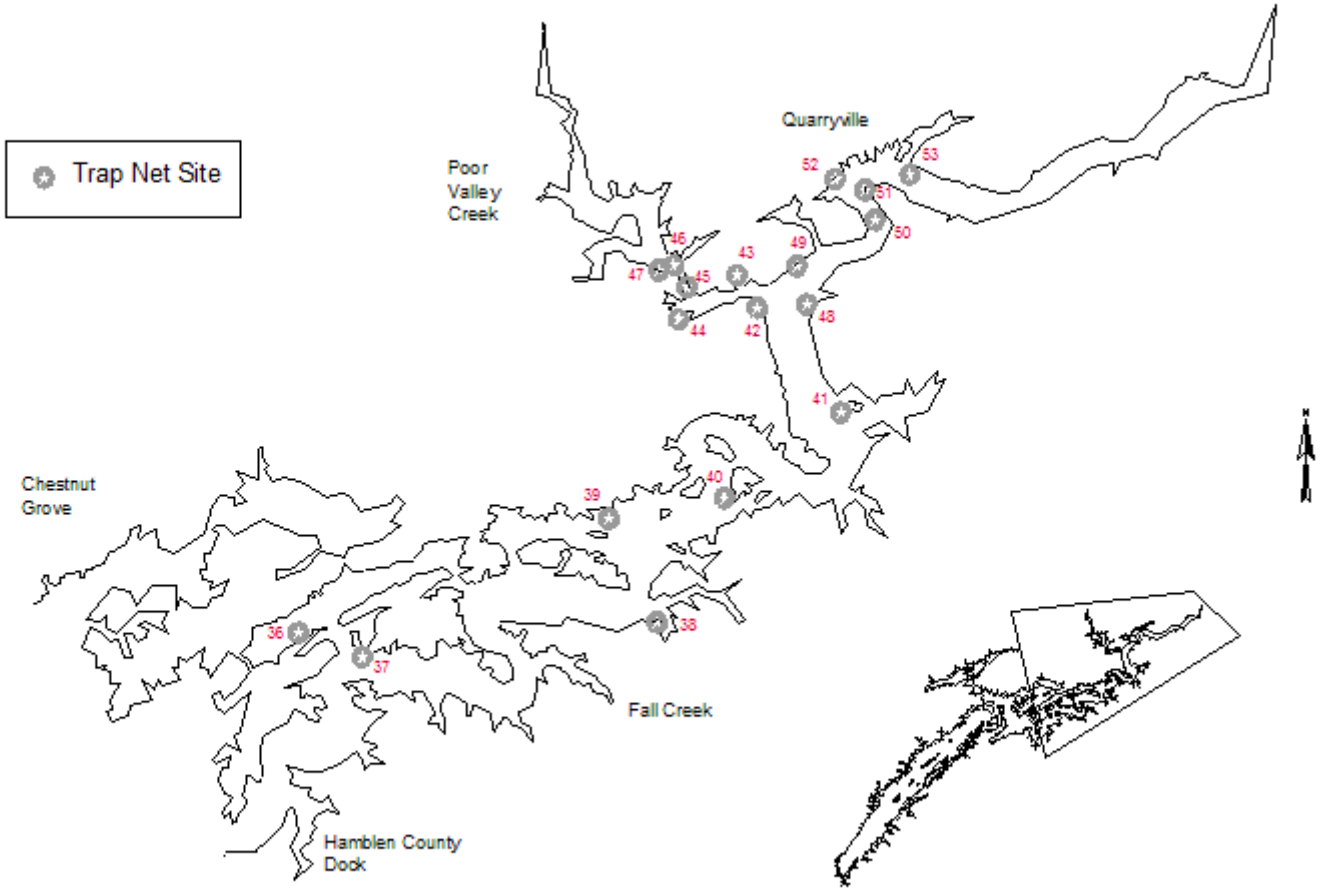


Figure 7. Trap net sites in the upper section of Cherokee Reservoir in 2006.

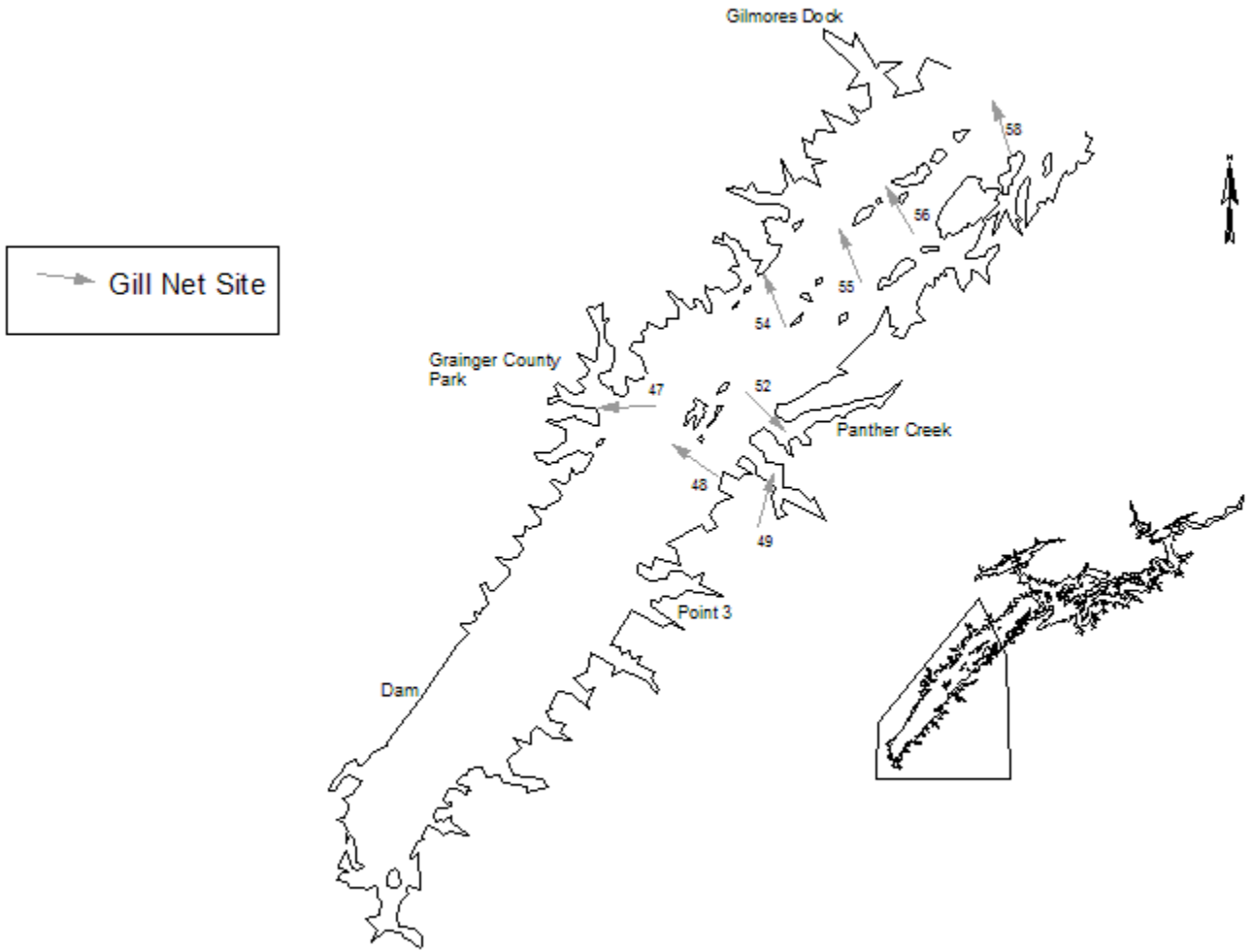


Figure 8. Summer shad gill net sites in the lower section of Cherokee Reservoir in 2006.

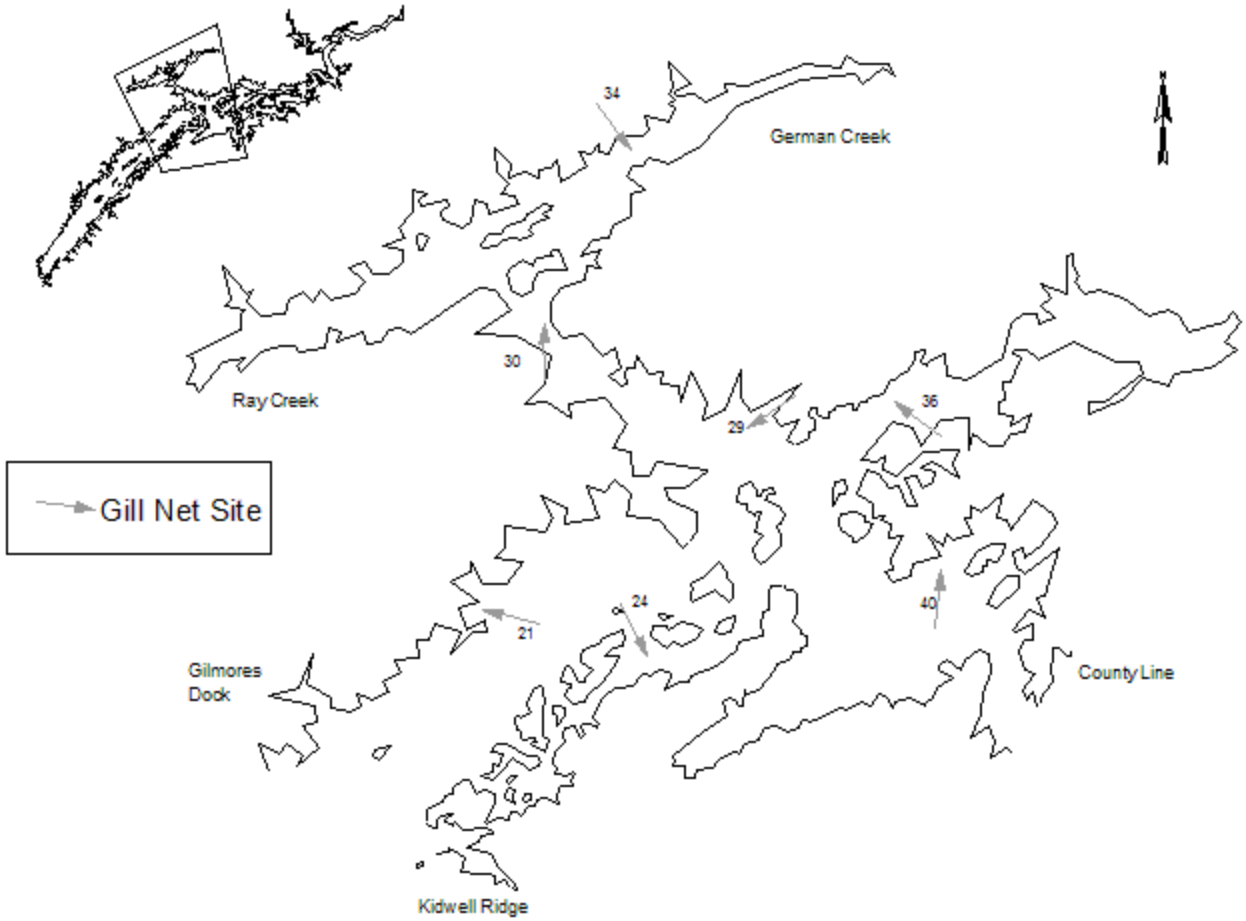


Figure 9. Summer shad gill net sites in the middle section of Cherokee Reservoir in 2006.

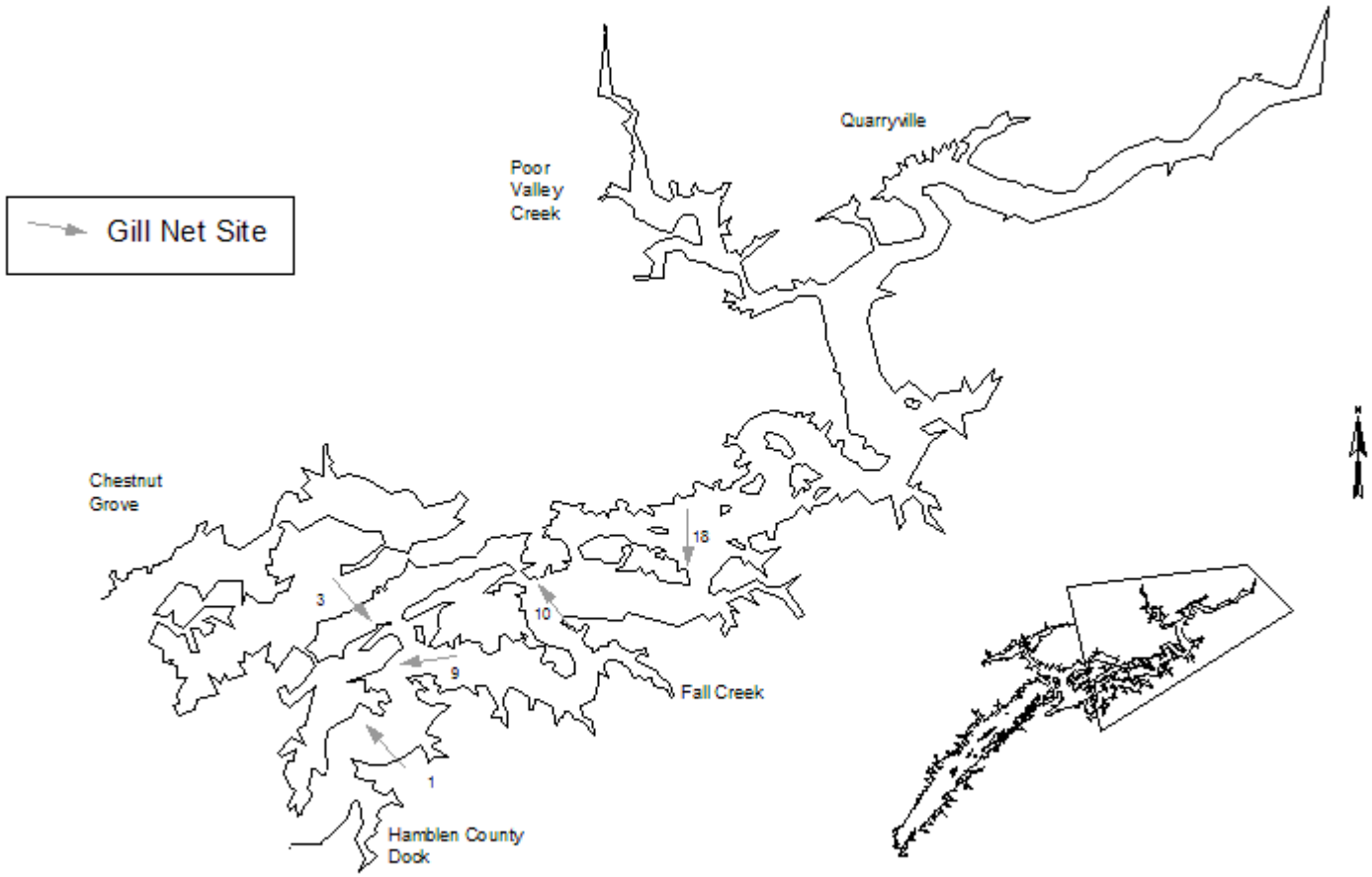


Figure 10. Summer shad gill netting sites in the upper section of Cherokee Reservoir in 2006.

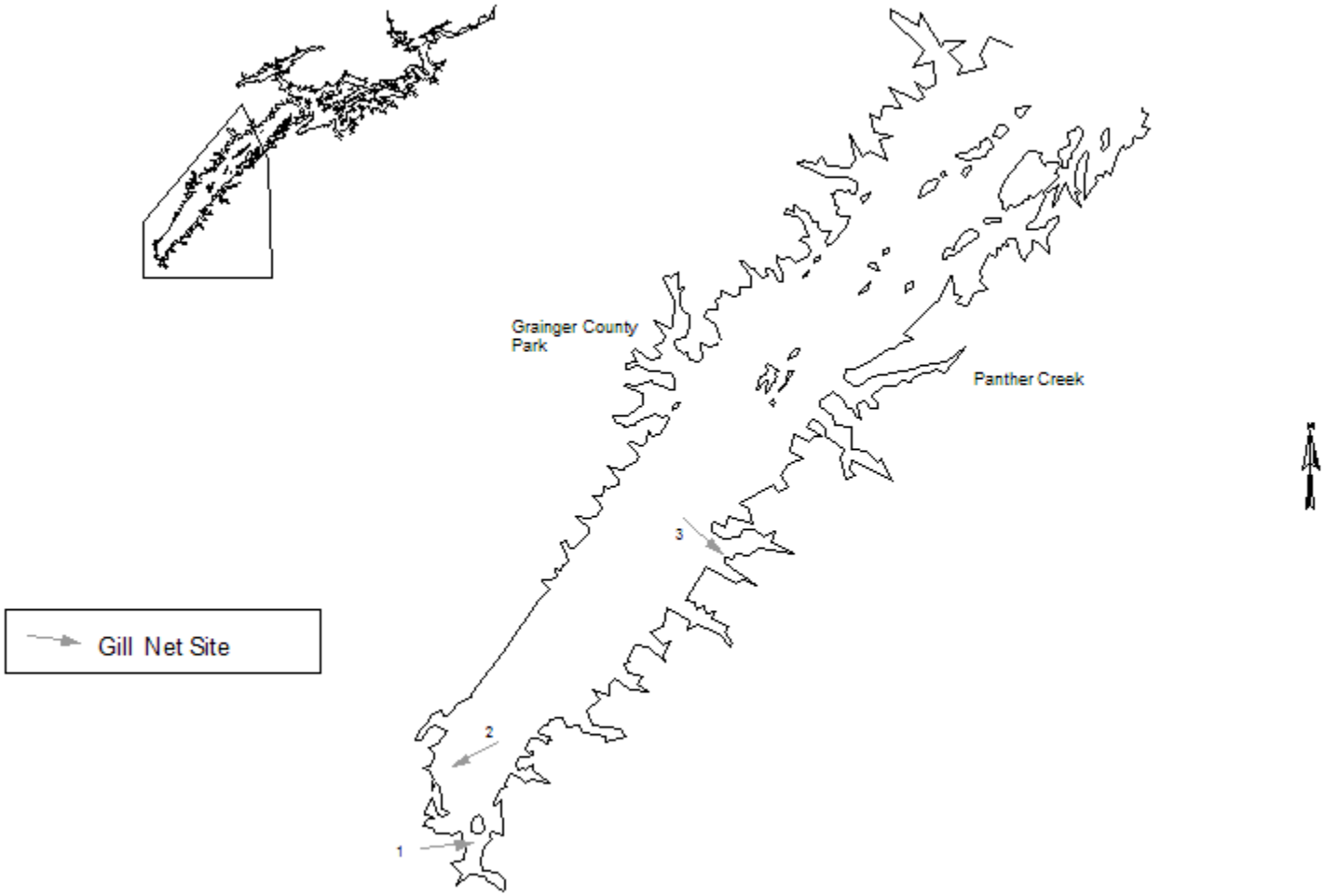


Figure 11. Winter gill net sites in the lower section of Cherokee Reservoir in 2006

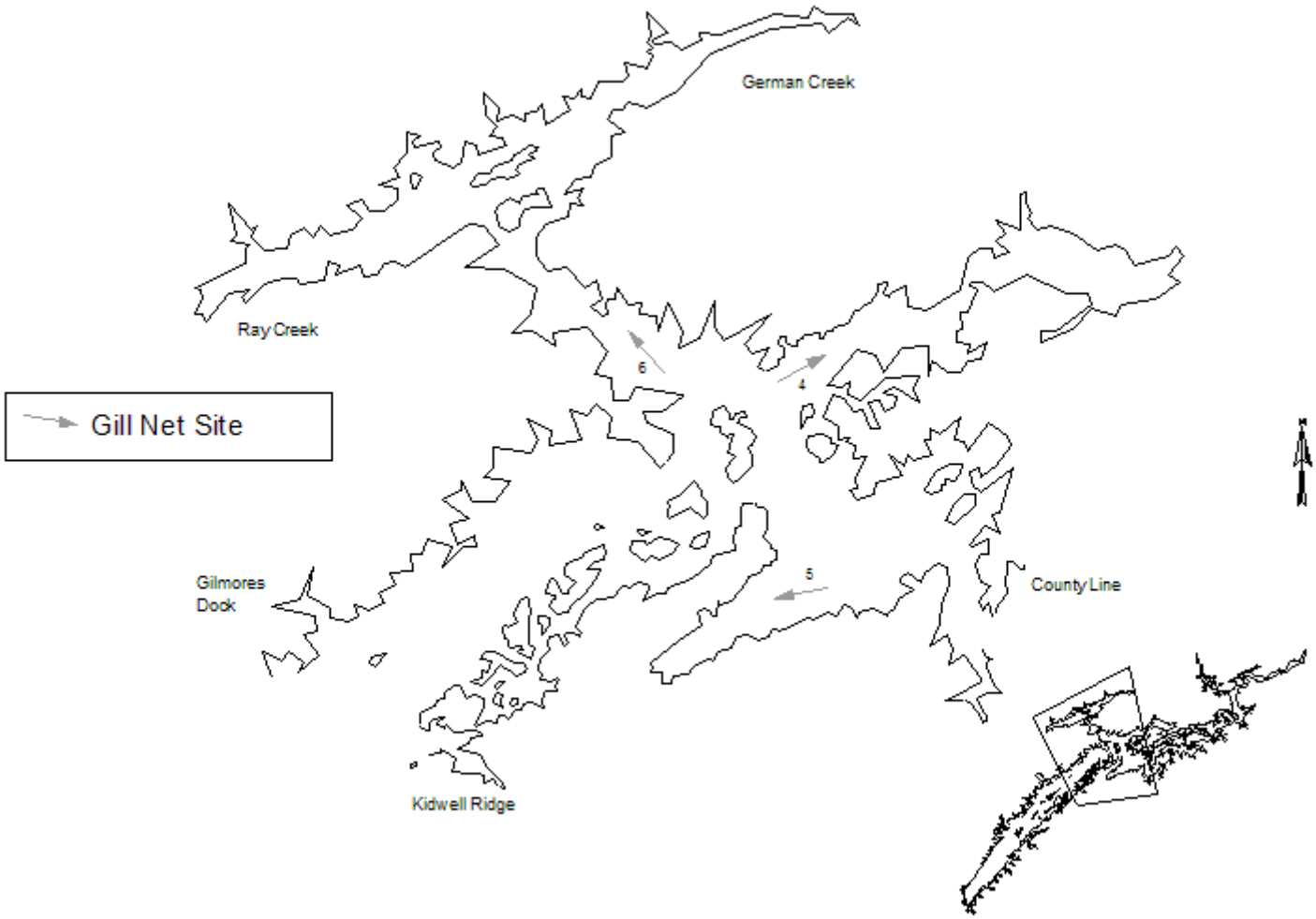


Figure 12. Winter gill net sites in the middle section of Cherokee Reservoir in 2006.

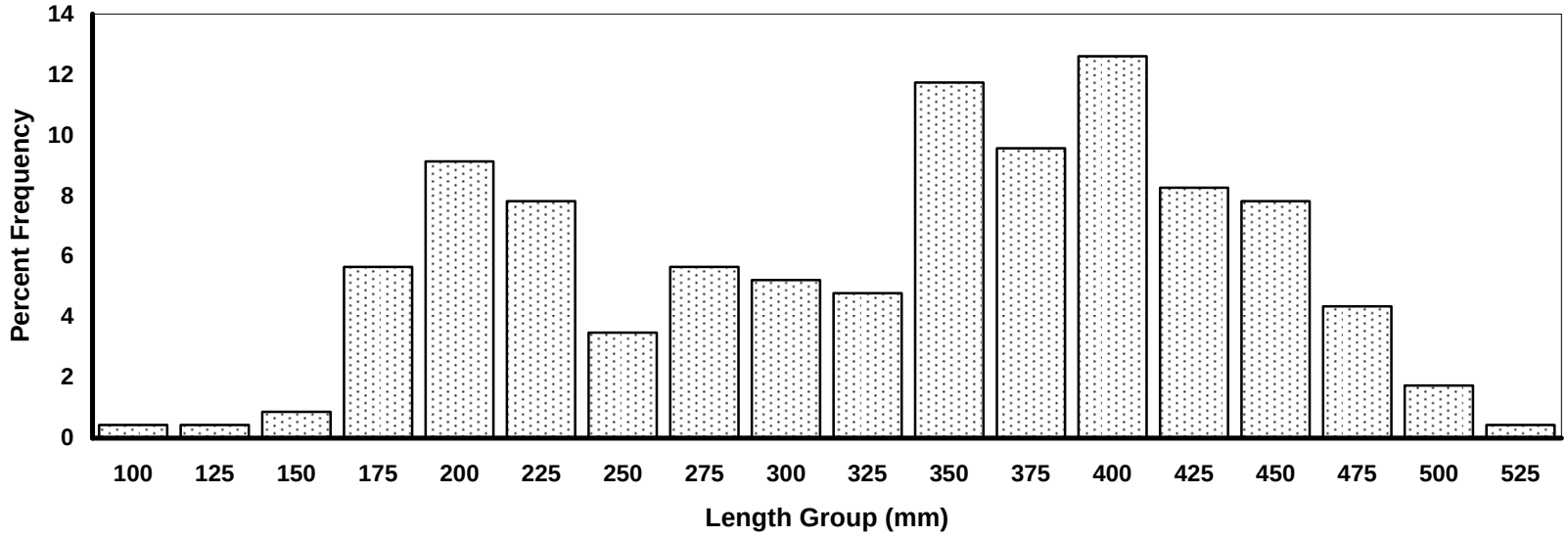


Figure 13. Cherokee Reservoir largemouth bass length frequency by percent for 2006 electrofishing sample (n=230).

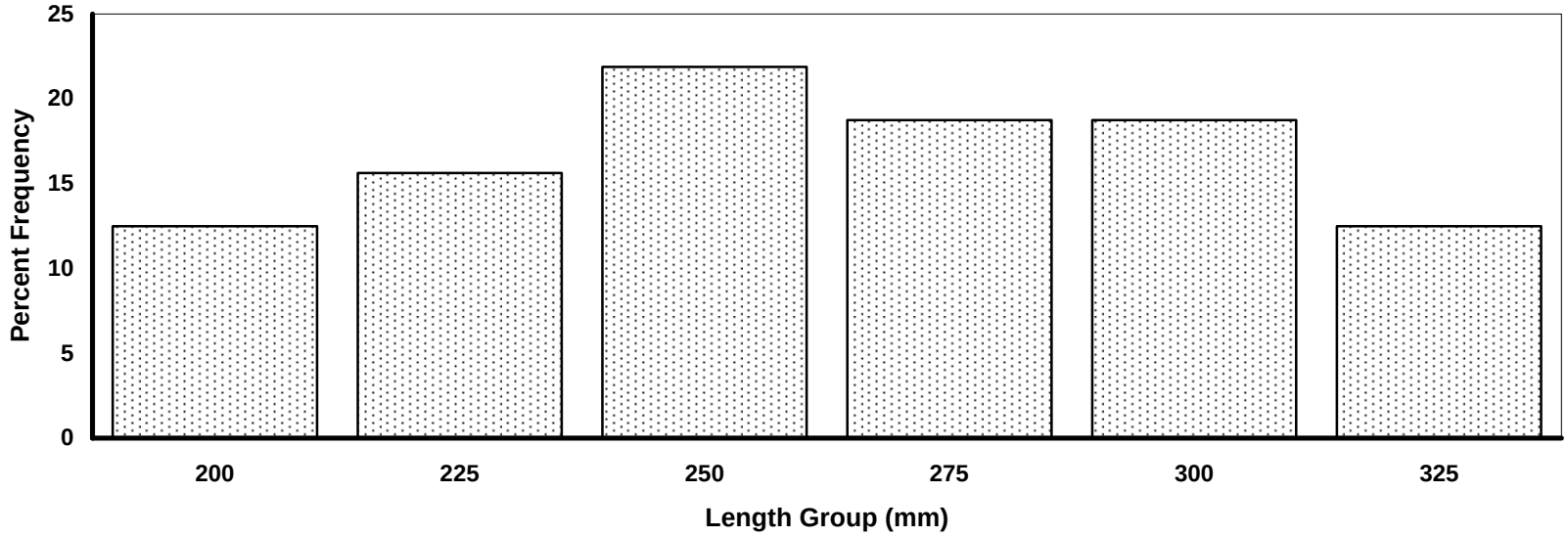


Figure 14. Cherokee Reservoir black crappie length frequency by percent for 2006 electrofishing sample (n=32).

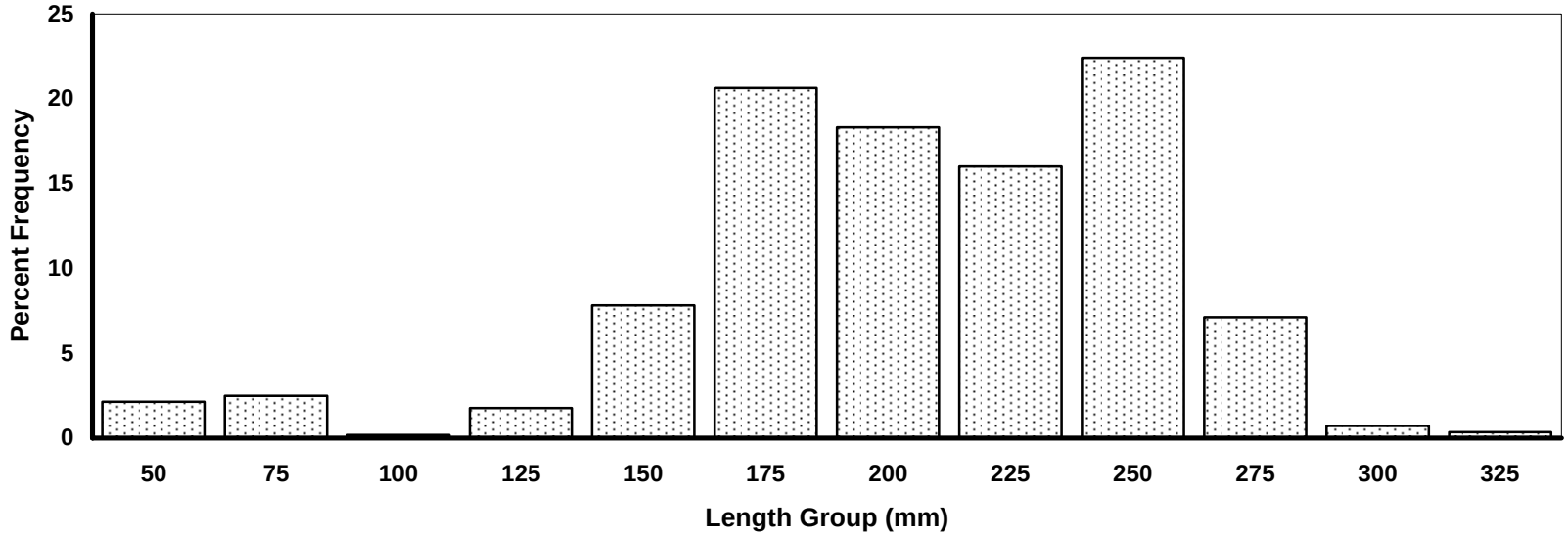


Figure 15. Cherokee Reservoir black crappie length frequency by percent for 2006 trap net sample (n=562).

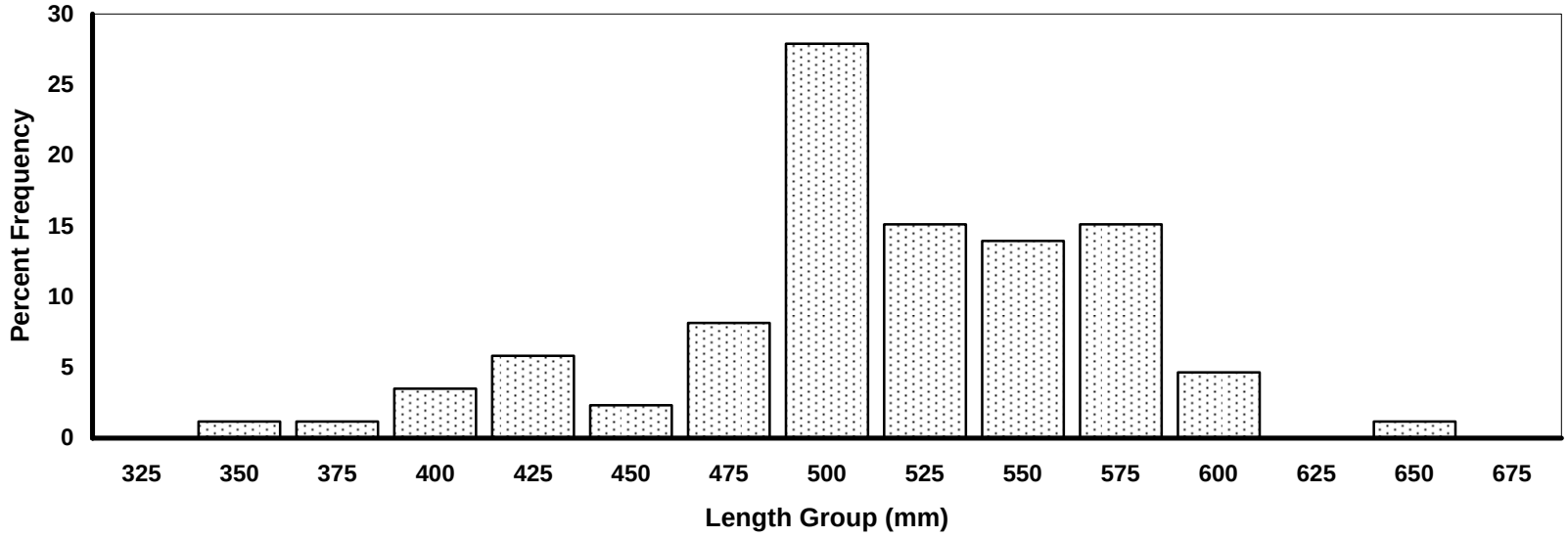


Figure 16. Cherokee Reservoir hybrid striped bass length frequency by percent for 2006 winter gill net sample (n=86).

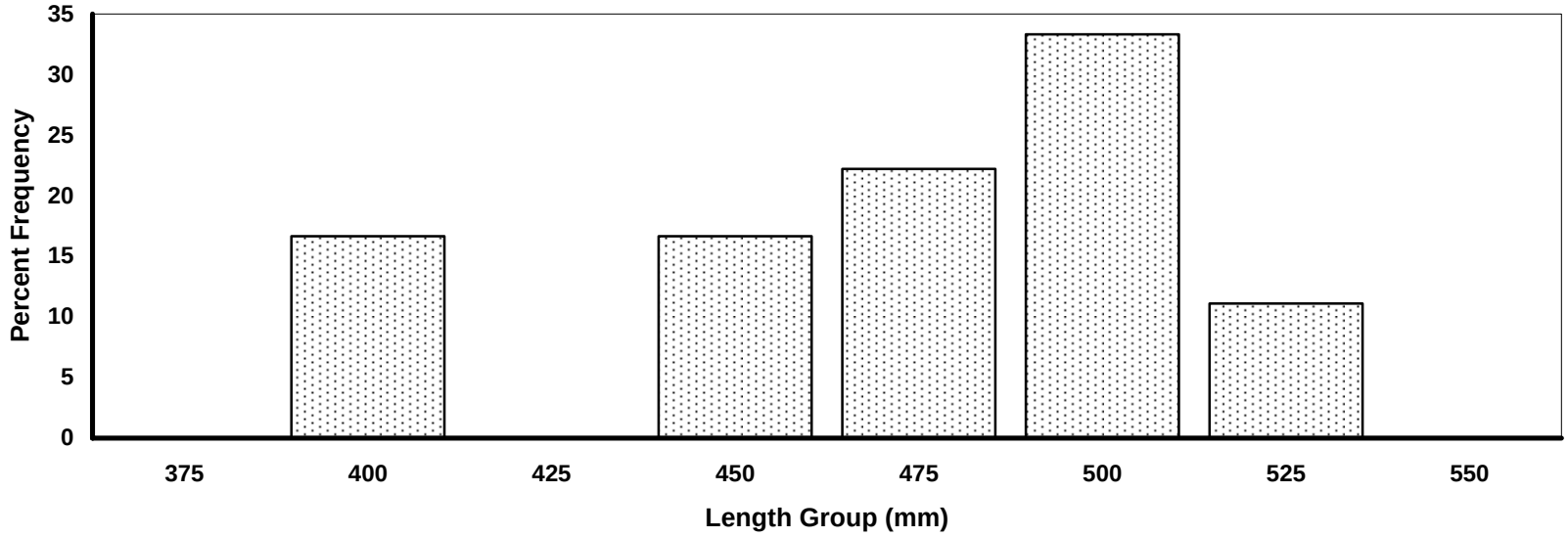


Figure 17. Cherokee Reservoir walleye length frequency by percent for 2006 shad gill netting sample (n=18).

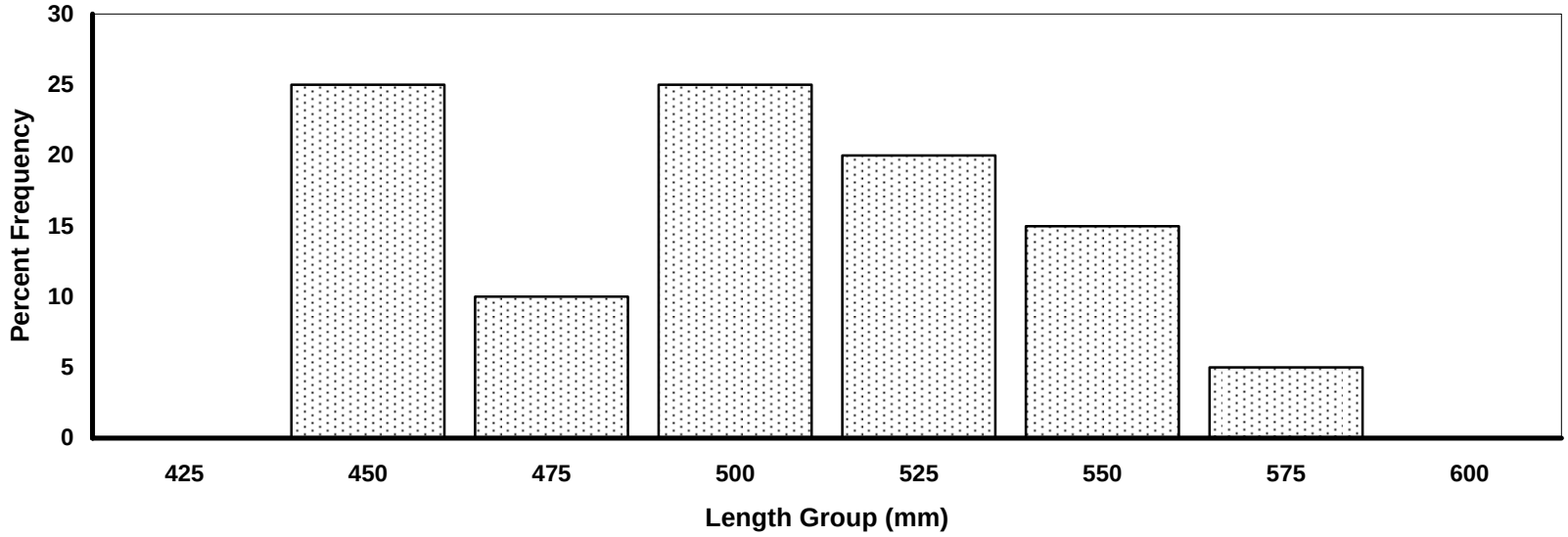


Figure 18. Cherokee Reservoir walleye length frequency by percent for 2006 winter gill netting sample (n=20).

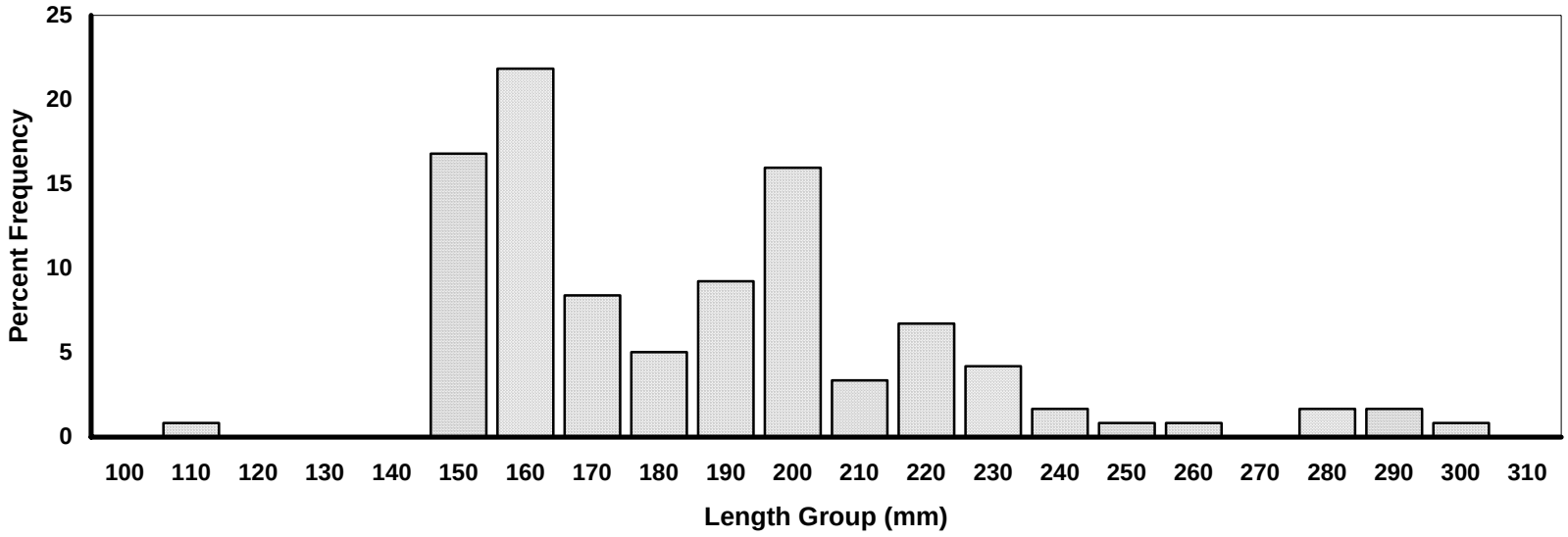


Figure 19. Cherokee Reservoir gizzard shad length frequency by percent for 2006 shad gillnetting sample (n=119).

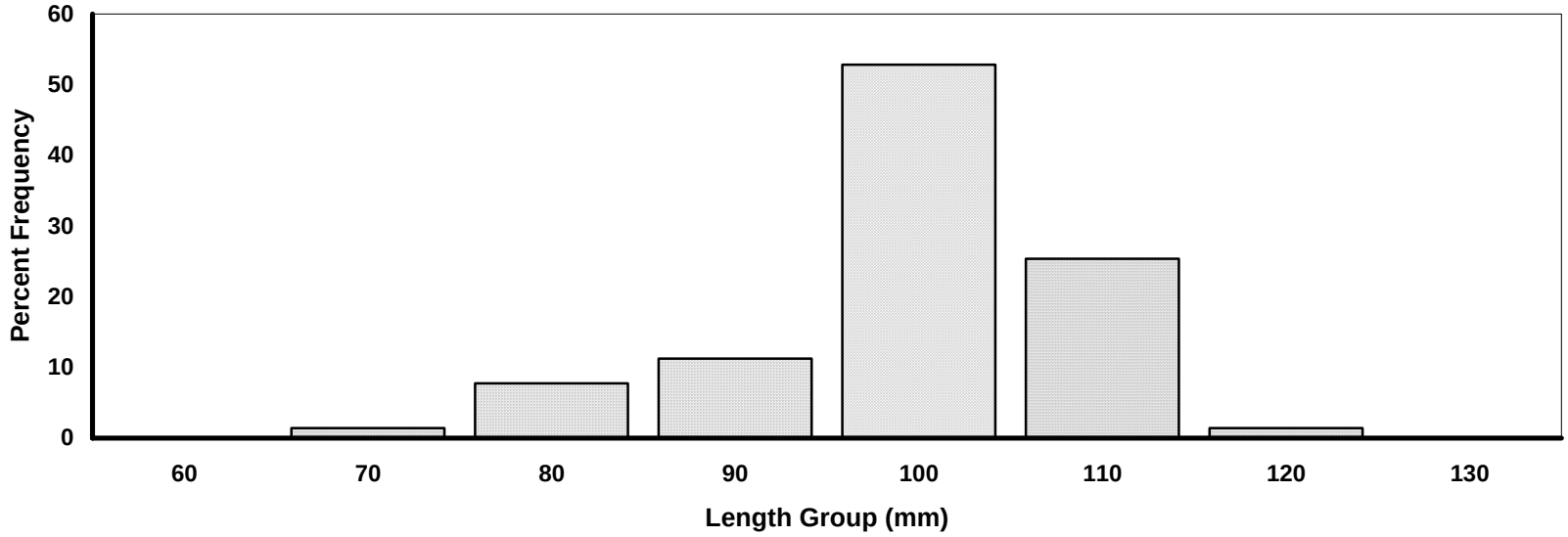


Figure 20. Cherokee Reservoir threadfin shad length frequency by percent for 2006 shad gillnetting sample (n=142).

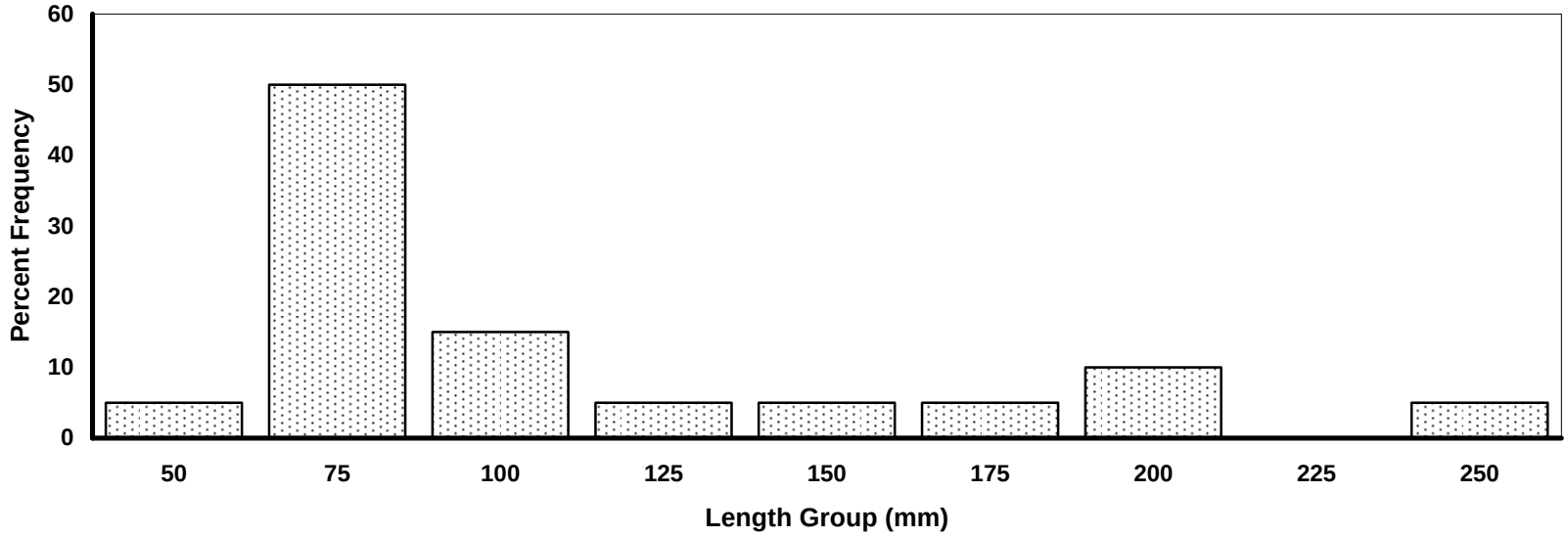


Figure 21. Cherokee Reservoir white crappie length frequency by percent for 2006 trap net sample (n=20).

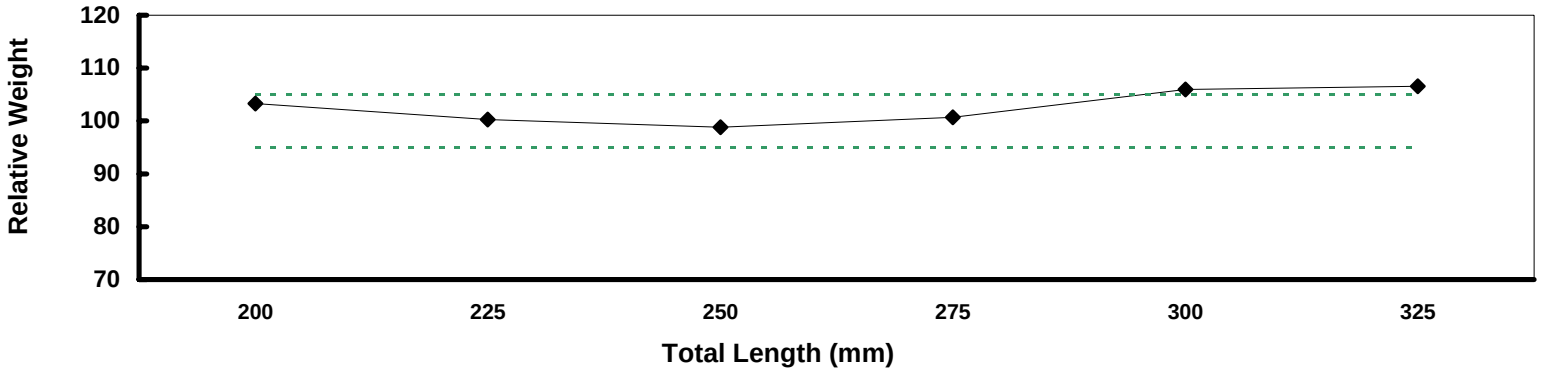


Figure 22. Cherokee Reservoir black crappie mean relative weight values from the 2006 electrofishing sample (n=32).

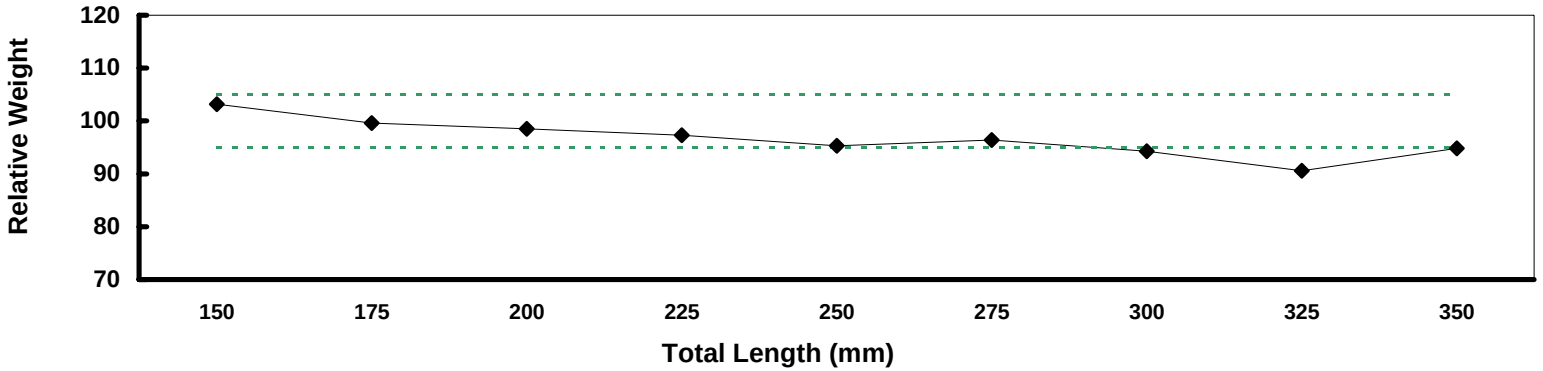


Figure 23. Cherokee Reservoir black crappie mean relative weight values from the 2006 trap net sample (n=530).

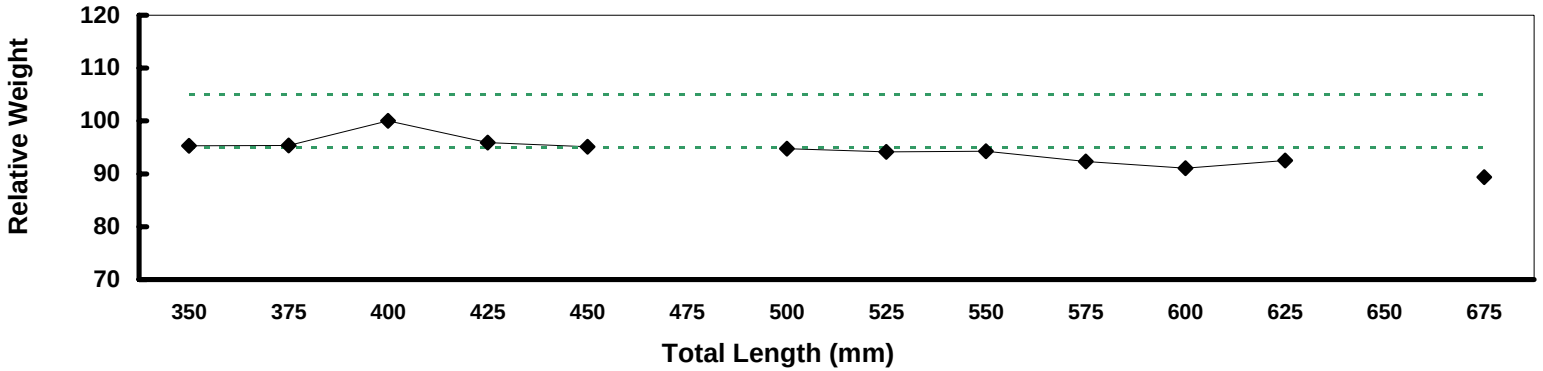


Figure 24. Cherokee Reservoir hybrid striped bass mean relative weight values from the 2006 winter gill net sample (n=86).

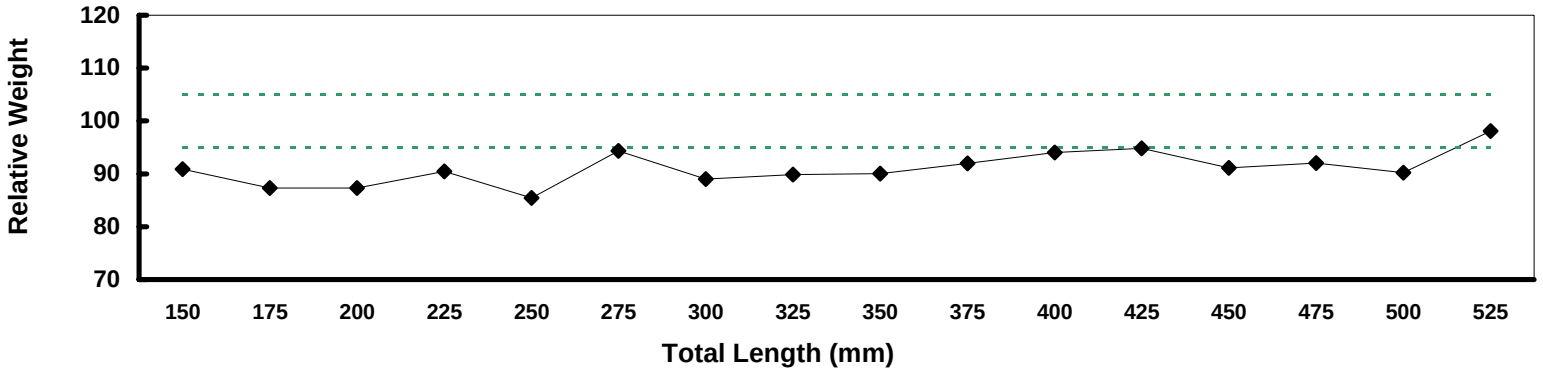


Figure 25. Cherokee Reservoir largemouth bass mean relative weight values from the 2006 electrofishing sample (n=227).

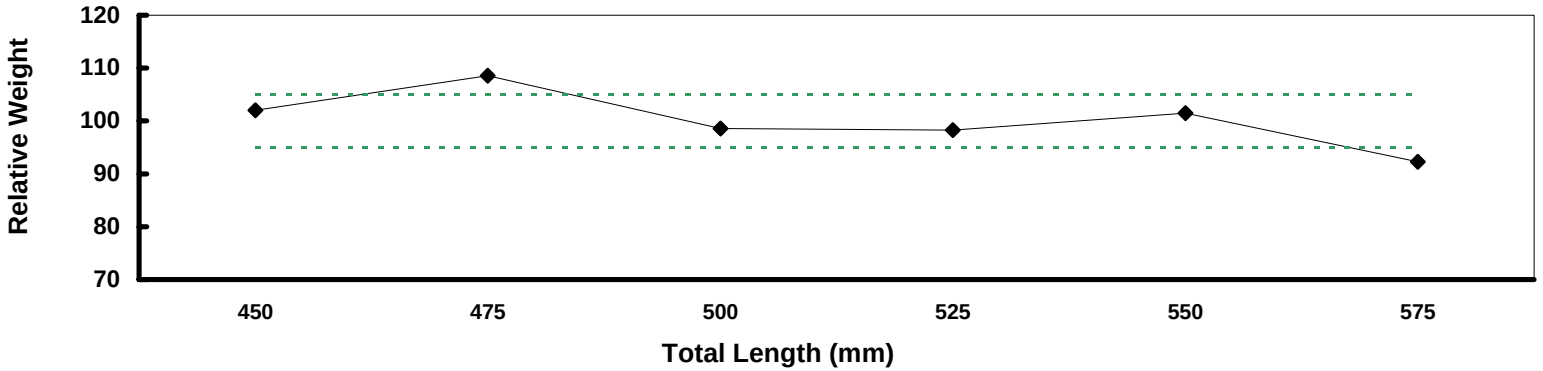


Figure 26. Cherokee Reservoir walleye mean relative weight values from the 2006 winter gill net sample (n=20).

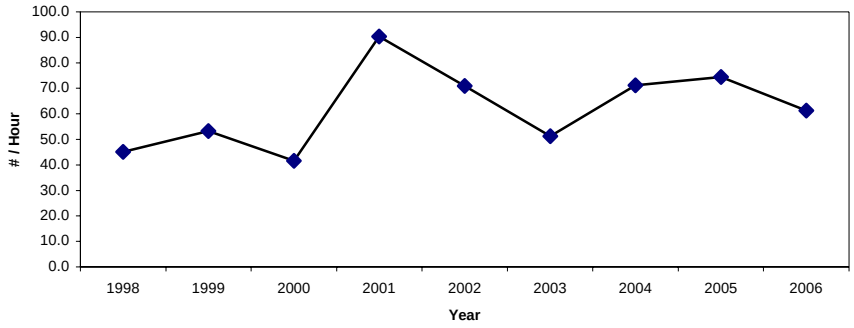


Figure 27. Cherokee Reservoir largemouth bass electrofishing catch rates from 1998 to 2006.

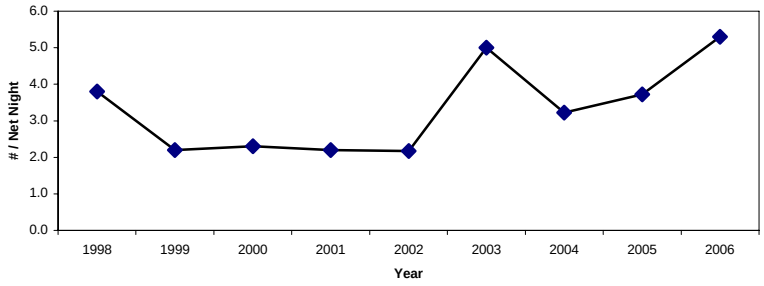


Figure 28. Cherokee Reservoir black crappie trap netting catch rates from 1998 to 2006.

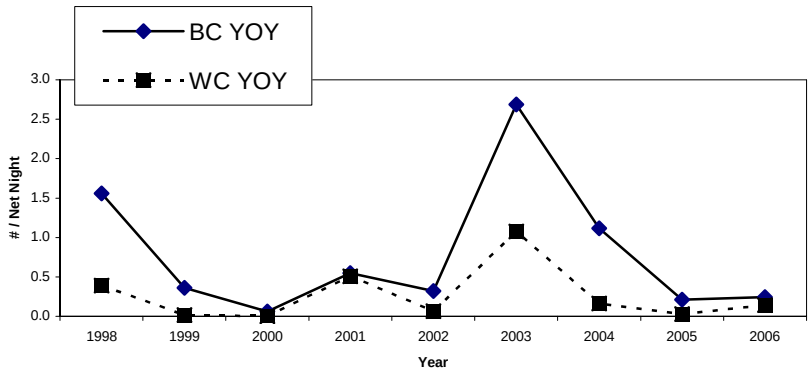


Figure 29. Cherokee Reservoir YOY crappie trap netting catch rates from 1998 to 2006.

Figure 30. DO - Cherokee - aerators - July 5, 2006

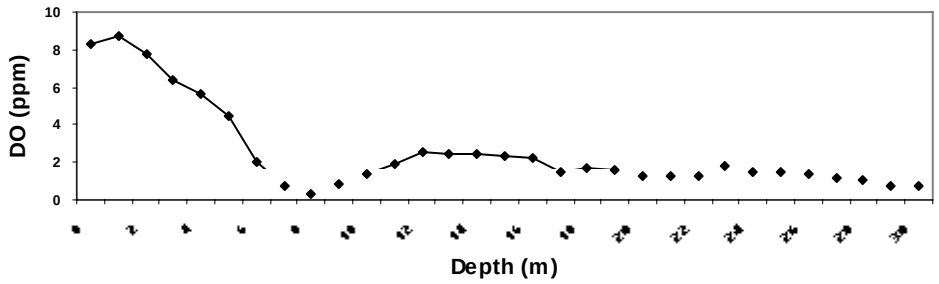


Figure 31. Temp - Cherokee - aerators - July 5, 2006

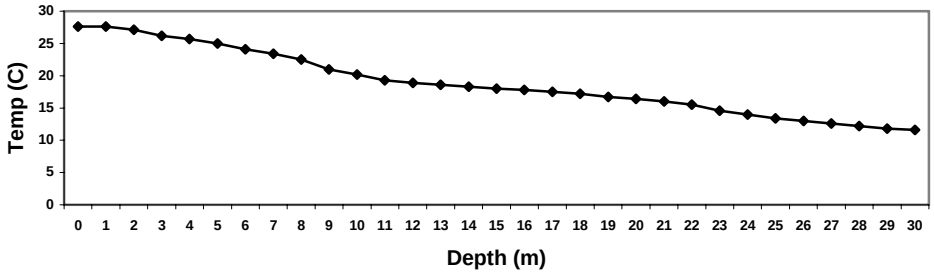


Figure 32. DO - Cherokee - RM 55 - July 5, 2006

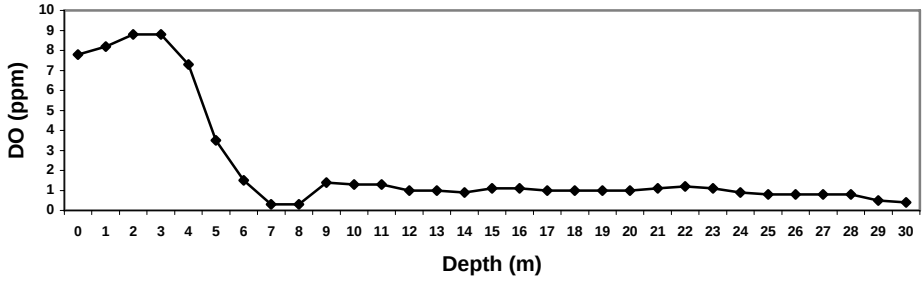


Figure 33. Temp - Cherokee - RM 55 - July 5, 2006

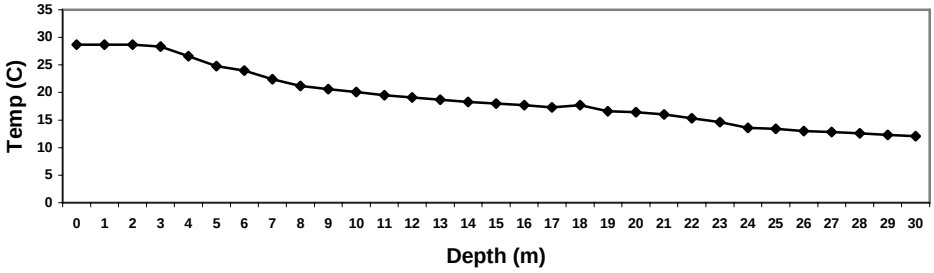


Figure 34. DO - Cherokee - RM 66 - July 5, 2006

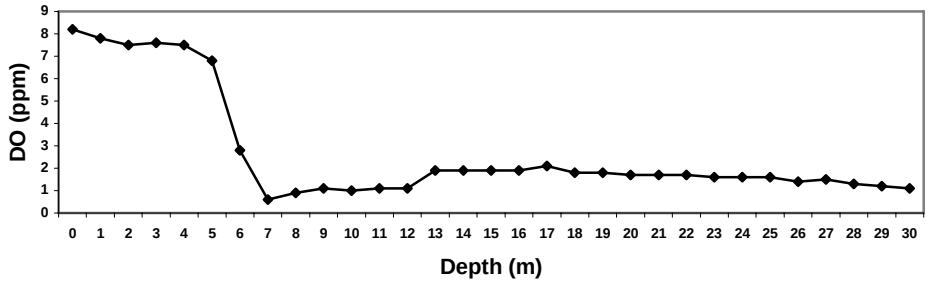


Figure 35. Temp - Cherokee - RM 66 - July 5, 2006

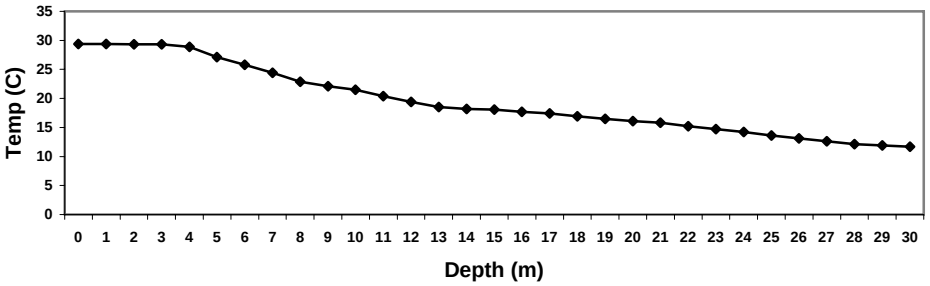


Figure 36. DO - Cherokee - RM 75 - July 5, 2006

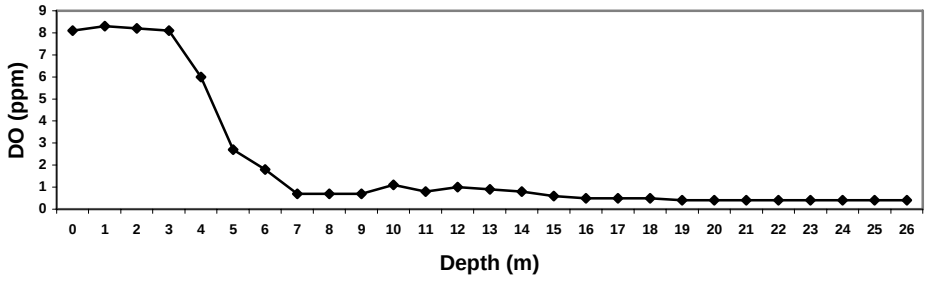


Figure 37. Temp - Cherokee - RM 75 - July 5, 2006

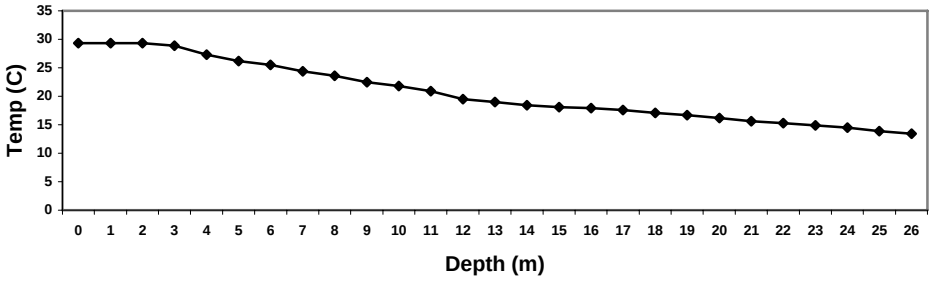


Figure 38. DO - Cherokee - RM 83 - July 5, 2006

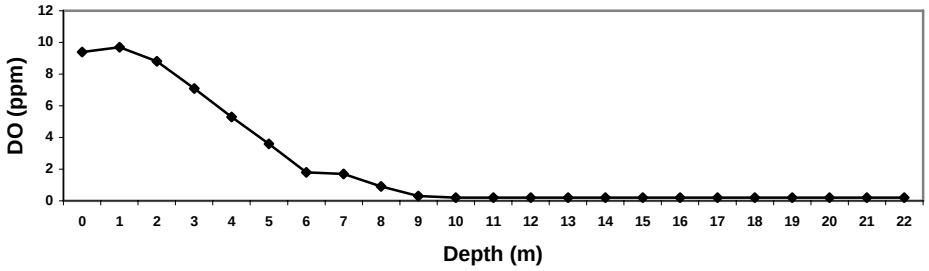


Figure 39. Temp - Cherokee - RM 83 - July 5, 2006

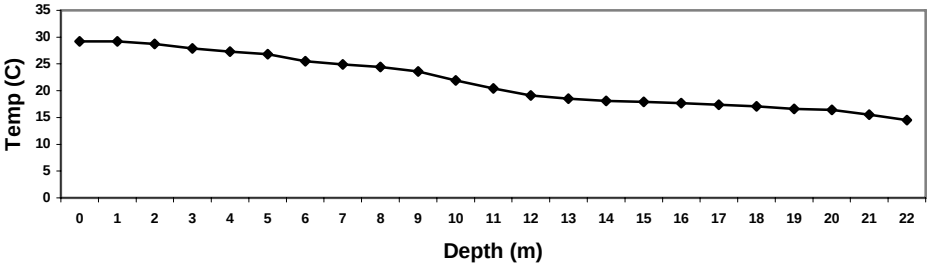


Figure 40. DO - Cherokee - aerators - Aug 1, 2006

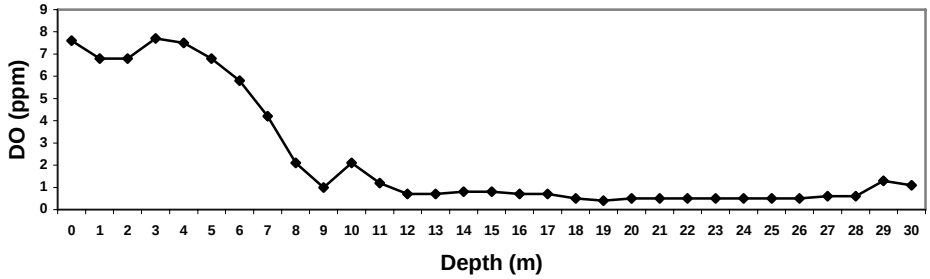


Figure 41. Temp - Cherokee - aerators - Aug 1, 2006

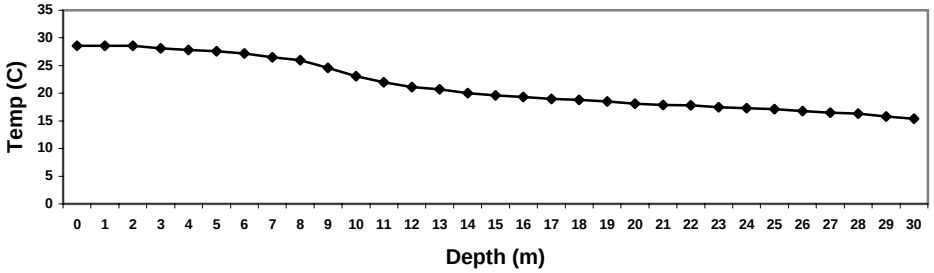


Figure 42. DO - Cherokee - RM 55 - Aug 1, 2006

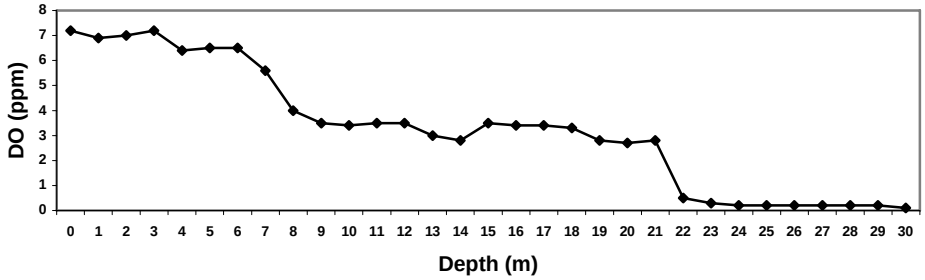


Figure 43. Temp - Cherokee - RM 55 - Aug 1, 2006

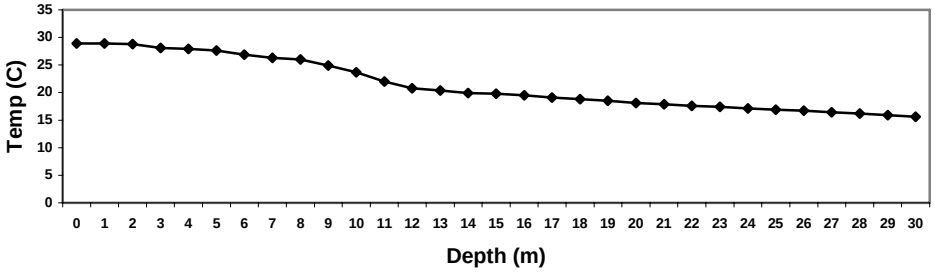


Figure 44. DO - Cherokee - RM 66 - Aug 1, 2006

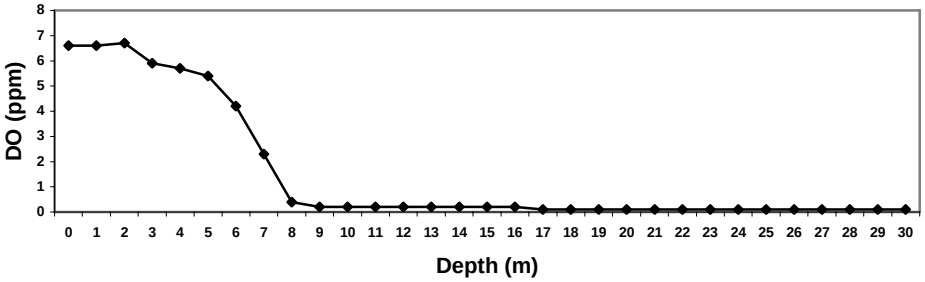


Figure 45. Temp - Cherokee - RM 66 - Aug 1, 2006

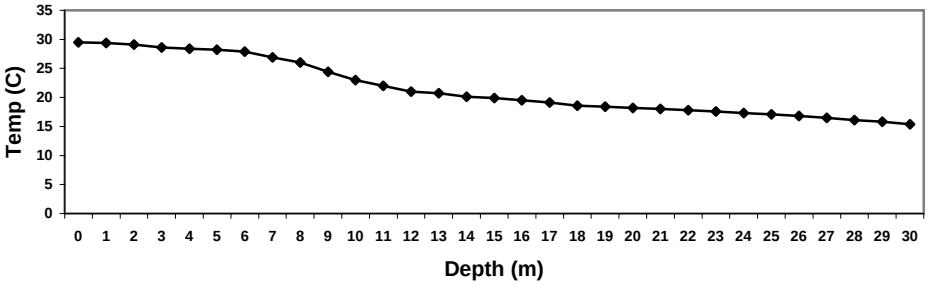


Figure 46. DO - Cherokee - RM 75 - Aug 1, 2006

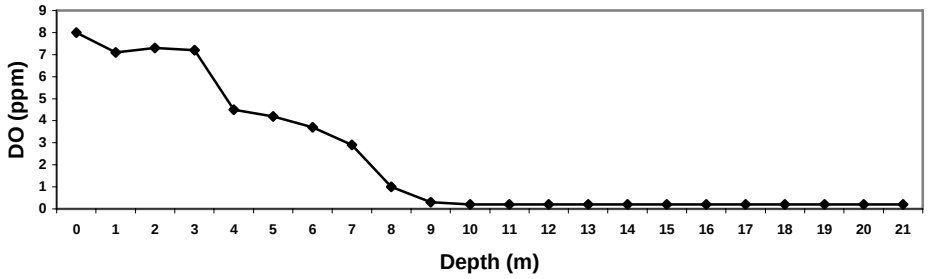


Figure 47. Temp - Cherokee - RM 75 - Aug 1, 2006

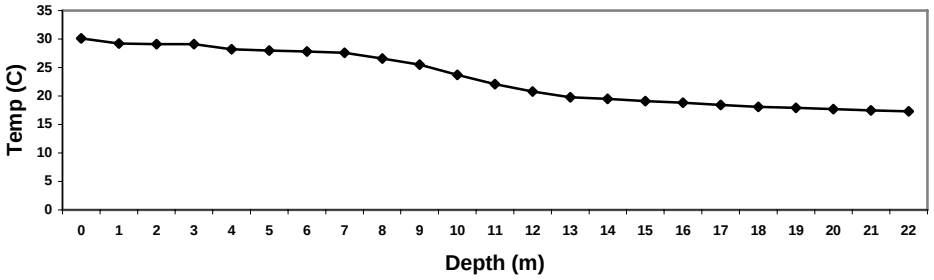


Figure 48. DO - Cherokee - RM 83 - Aug 1, 2006

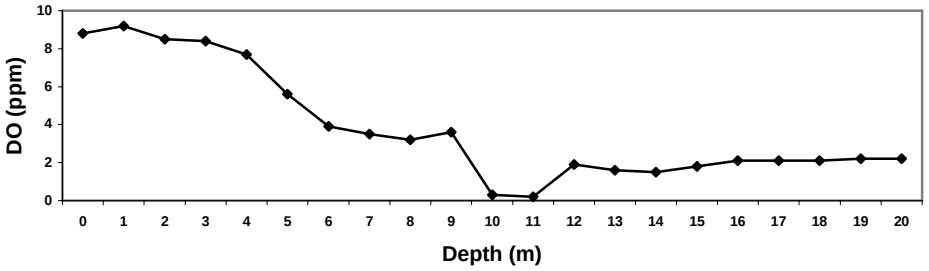


Figure 49. Temp - Cherokee - RM 83 - Aug 1, 2006

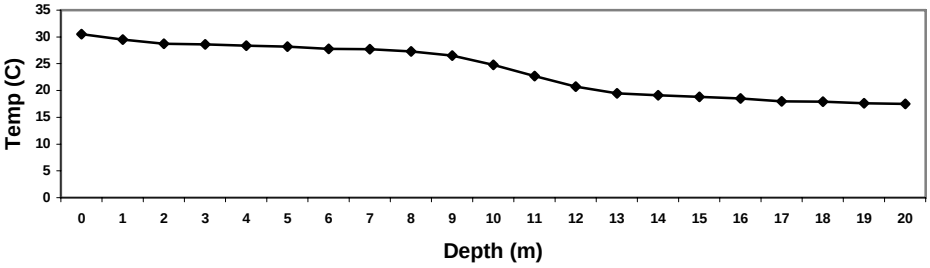


Figure 50. DO - Cherokee - RM 55 - Sept 8, 2006

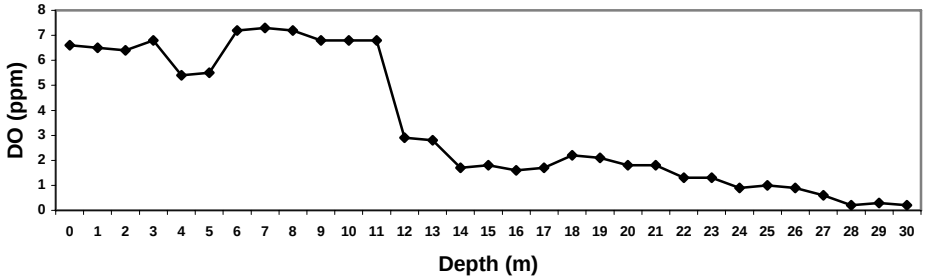


Figure 51. Temp - Cherokee - RM 55 - Sept 8, 2006

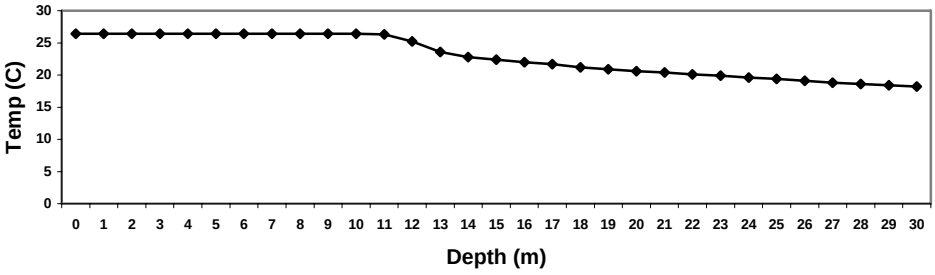


Figure 52. DO - Cherokee - RM 66 - Sept 8, 2006

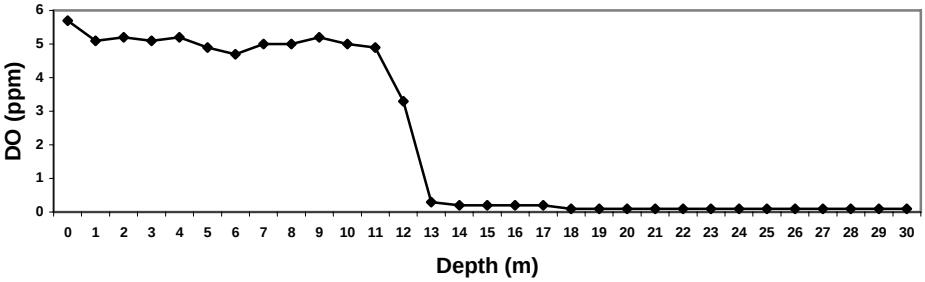


Figure 53. Temp - Cherokee - RM 66 - Sept 8, 2006

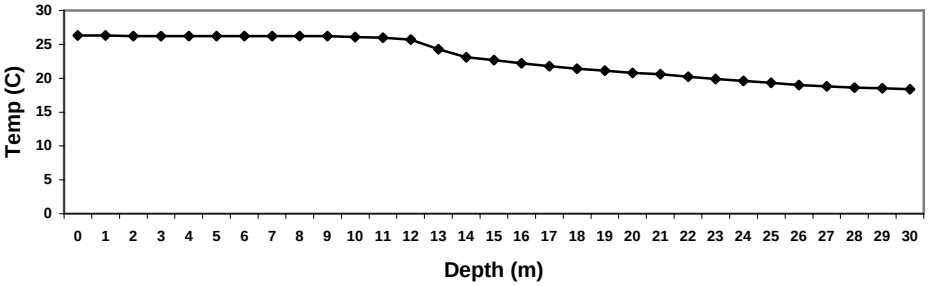


Figure 54. DO - Cherokee - RM 75 - Sept 8, 2006

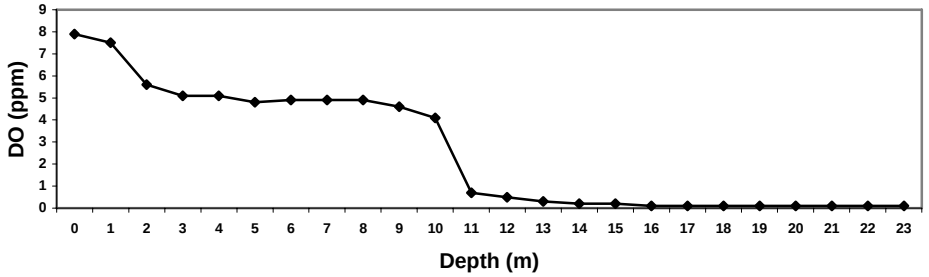


Figure 55. Temp - Cherokee - RM 75 - Sept 8, 2006

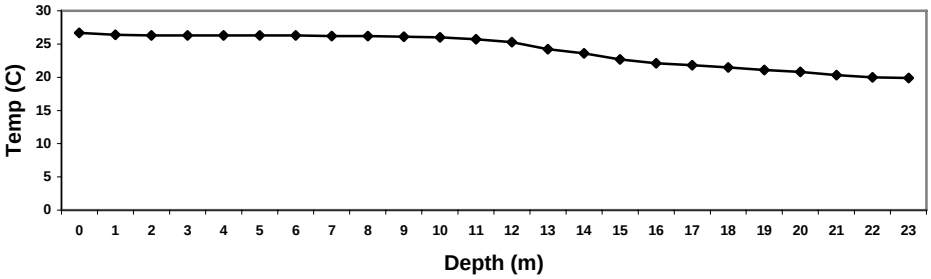


Figure 56. DO - Cherokee - RM 83 - Sept 8, 2006

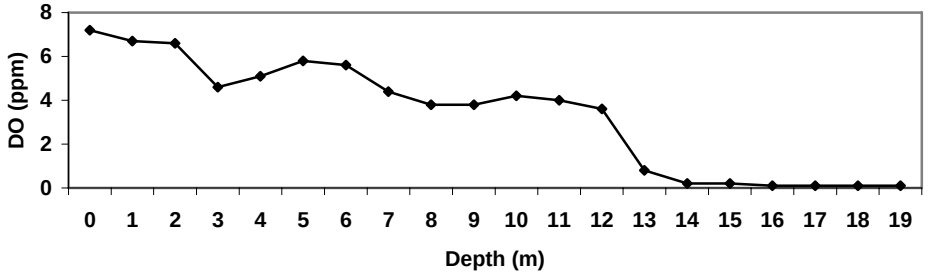
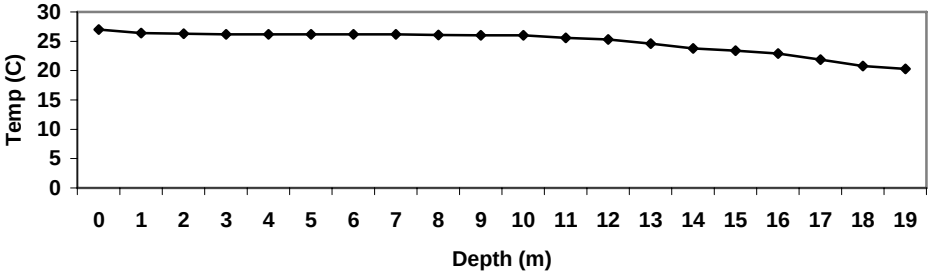


Figure 57. Temp - Cherokee - RM 83 - Sept 8, 2006



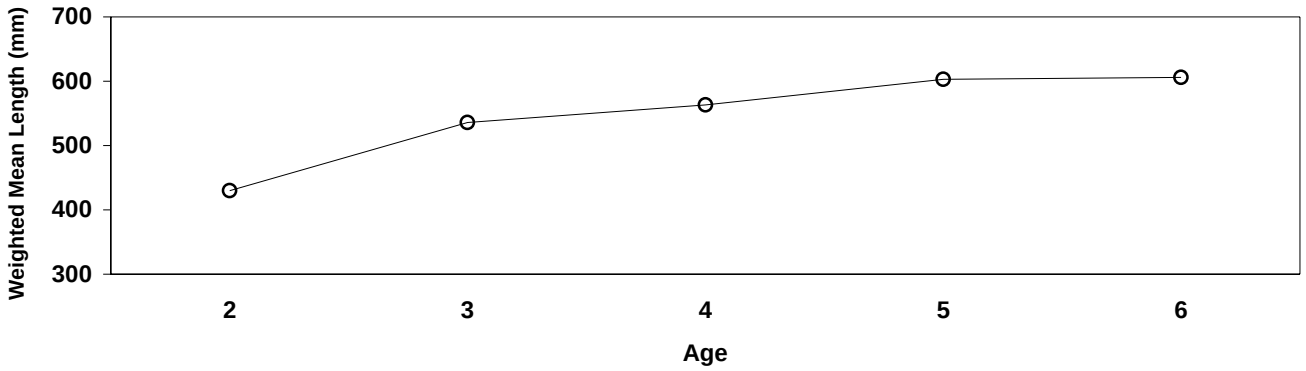


Figure 58. Weighted mean length at age of hybrid striped bass from Cherokee 2006 winter gill net sample.

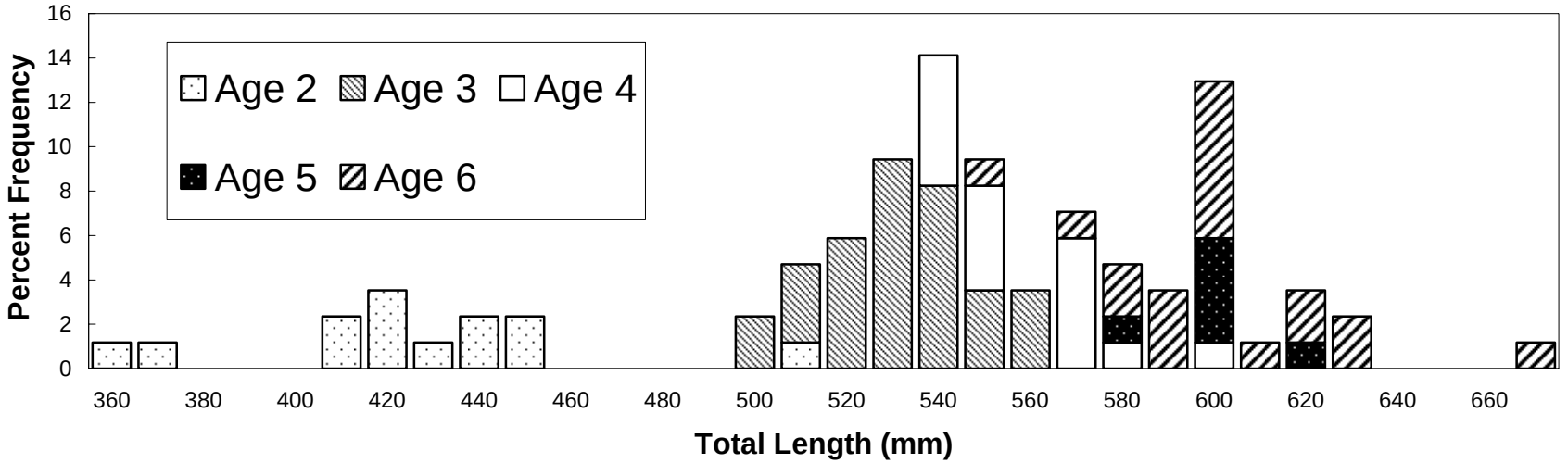


Figure 59. Length frequency at age of Cherokee Reservoir hybrid striped bass from the 2006 winter gill net sample.

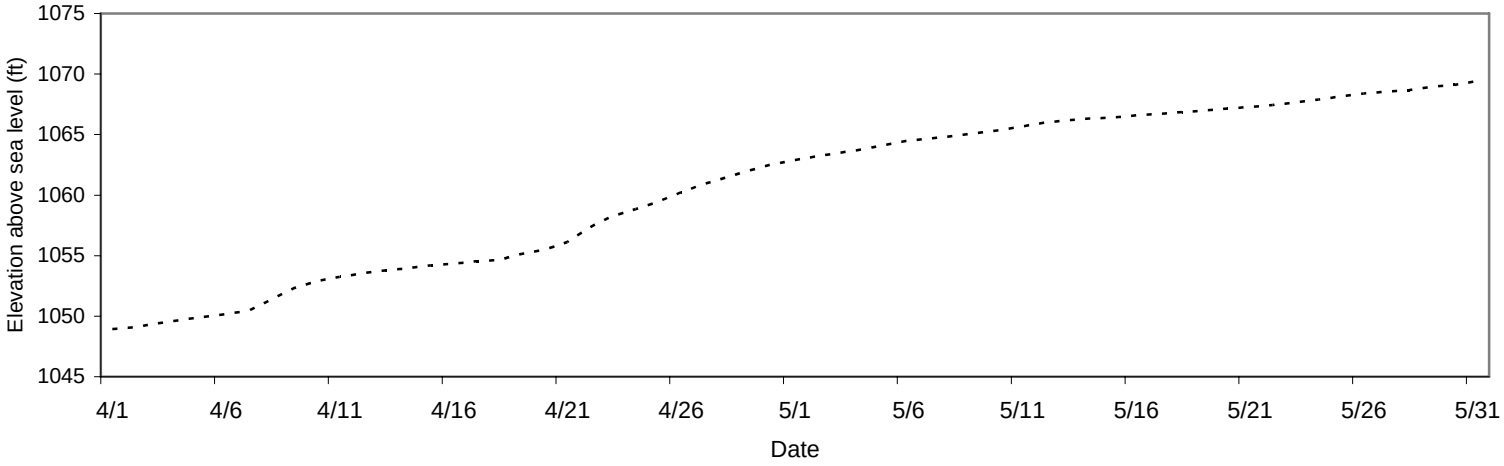


Figure 60. April and May water levels in Cherokee Reservoir in 2006 (TVA data).

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MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2006

LAKE=CHEROKEE

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	18688	22.3	0.6	3220	0.1	4.6
02 FEBRUARY	14392	26.8	0.5	2616	0.1	3.6
03 MARCH	46711	45.4	1.5	8223	0.3	11.5
04 APRIL	34803	13.2	1.1	6039	0.2	8.6
05 MAY	50931	12.5	1.7	9212	0.3	12.6
06 JUNE	48491	9.0	1.6	8679	0.3	12.0
07 JULY	42921	20.4	1.4	8335	0.3	10.6
08 AUGUST	26820	28.5	0.9	5169	0.2	6.6
09 SEPTEMBER	34382	44.6	1.1	6269	0.2	8.5
10 OCTOBER	34892	19.0	1.2	6539	0.2	8.6
11 NOVEMBER	25513	11.8	0.8	4430	0.1	6.3
12 DECEMBER	26818	33.1	0.9	5646	0.2	6.6
TOTAL	**405362**			**74377**		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2006

LAKE=CHEROKEE

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	9344	29.6	0.50	19.2	748	58.0	0.04	47.5
02 FEBRUARY	12233	35.0	0.85	21.6	2015	59.0	0.14	52.4
03 MARCH	44375	48.9	0.95	16.6	6072	57.1	0.13	31.8
04 APRIL	30975	19.6	0.89	14.3	4524	31.5	0.13	28.7
05 MAY	52968	16.5	1.04	10.7	11714	32.4	0.23	29.7
06 JUNE	43157	11.9	0.89	7.8	12123	20.8	0.25	18.4
07 JULY	38629	24.0	0.90	12.4	12447	28.8	0.29	20.3
08 AUGUST	23870	30.8	0.89	11.1	4559	36.0	0.17	20.6
09 SEPTEMBER	46416	45.8	1.35	9.6	9283	48.3	0.27	16.7
10 OCTOBER	40824	21.9	1.17	10.5	8723	27.4	0.25	19.3
11 NOVEMBER	29595	13.8	1.16	7.2	5358	20.4	0.21	16.8
12 DECEMBER	28963	37.2	1.08	16.1	6436	46.0	0.24	29.7
TOTAL	**401349**				**84002**			

SUMMARY OF SPECIES CATCH STATISTICS - 2006

LAKE=CHEROKEE

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
PADDLEFISH	57	2719.5	0.0	0	0	.	0.0	0	100.0	.	0
CARP	57	2719.5	0.0	0	0	.	0.0	0	100.0	.	0
BLUE CATFISH	536	676.7	0.1	536	301	538.4	0.4	301	43.8	4.17	7
CHANNEL CATFISH	32848	19.7	8.2	28646	20312	19.9	24.2	17560	38.2	1.82	369
FLATHEAD CATFISH	5090	93.2	1.3	5090	3947	91.2	4.7	3947	22.5	3.51	61
WHITE BASS	4487	146.2	1.1	2300	708	280.5	0.8	295	84.2	3.95	12
STRIPED BASS	5875	77.2	1.5	4544	2213	88.0	2.6	1736	62.3	12.49	51
CHEROKEE BASS	41076	18.5	10.2	18380	13271	22.4	15.8	6844	67.7	5.18	249
BLUEGILL	30337	26.2	7.6	12684	13060	26.1	15.5	6917	57.0	0.25	263
SMALLMOUTH BASS	21605	32.5	5.4	1339	313	155.5	0.4	0	98.6	3.19	7
SPOTTED BASS	3564	143.8	0.9	0	398	204.8	0.5	0	88.8	1.05	7
LARGEMOUTH BASS	169254	11.0	42.2	159620	2159	34.3	2.6	1867	98.7	2.37	37
WHITE CRAPPIE	3708	154.1	0.9	3362	751	188.6	0.9	751	79.7	0.61	16
BLACK CRAPPIE	71341	15.8	17.8	69825	21827	19.1	26.0	21827	69.4	0.78	450
BLACKNOSE CRAPPIE	404	295.2	0.1	404	317	297.5	0.4	317	21.5	1.16	8
SAUGER	145	1482.2	0.0	0	0	.	0.0	0	100.0	.	0
WALLEYE	7504	76.6	1.9	5966	3150	83.3	3.7	2520	58.0	2.47	55
FRESHWATER DRUM	2832	161.8	0.7	129	1126	177.2	1.3	119	60.2	2.05	19

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2006

LAKE=CHEROKEE

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	36195	12.4	6726	8.9	0.78	26.1	0.52	25.5	93
ANY TEMPERATE BASS	634	98.1	112	0.2	0.00		0.00		1
WHITE BASS	3078	33.5	562	0.8	1.41	38.3	0.05	0.0	9
STRIPED BASS	44587	10.7	8114	11.0	0.11	39.0	0.05	46.9	141
CHEROKEE BASS	40713	12.1	7534	10.0	0.48	23.8	0.18	33.0	115
ANY SUNFISH	4069	30.4	754	1.0	1.81	25.4	0.87	40.6	10
ANY BLACK BASS	946	59.9	169	0.2	0.97		0.00		3
SMALLMOUTH BASS	3178	42.4	569	0.8	0.39	39.6	0.00		11
LARGEMOUTH BASS	177852	9.6	32513	43.9	0.74	9.4	0.01	140.7	641
ANY CRAPPIE	66884	11.9	12284	16.5	1.58	18.6	0.51	22.3	229
WALLEYE	6805	26.4	1301	1.7	0.78	13.9	0.32	24.6	18
ANY SPECIES	20425	14.6	3739	5.0	1.25	60.6	0.73	35.1	43
TOTAL	**405366**		**74377**						

SUMMARY OF RELATIVE SPECIES CATCH RATES WITHIN TARGET GROUPS - 2006

LAKE=CHEROKEE

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH			
	ANY CATFISH	0.00	0.00
	BLUE CATFISH	0.01	0.01
	CHANNEL CATFISH	0.65	0.42
	FLATHEAD CATFISH	0.12	0.09
ANY TEMPERATE BASS			
	STRIPED BASS	0.00	0.00
	CHEROKEE BASS	0.00	0.00
ANY SUNFISH			
	BLUEGILL	1.81	0.87
ANY BLACK BASS			
ANY BLACK BASS			
ANY BLACK BASS			
	SMALLMOUTH BASS	0.01	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.88	0.01
ANY CRAPPIE			
	ANY CRAPPIE	0.00	0.00
	WHITE CRAPPIE	0.07	0.02
	BLACK CRAPPIE	1.50	0.49
	BLACKNOSE CRAPPIE	0.01	0.01

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=CHEROKEE

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	14	0.87	7	0.54	49
02 FEBRUARY	31	0.64	11	0.63	51
03 MARCH	34	0.80	16	0.67	53
04 APRIL	27	1.08	16	0.72	50
05 MAY	8	0.95	3	0.94	63
06 JUNE	10	0.95	4	0.78	57
07 JULY	7	0.65	2	0.56	45
08 AUGUST	7	0.67	3	0.70	45
09 SEPTEMBER	20	1.02	7	0.76	41
10 OCTOBER	3	0.93	2	0.65	47
11 NOVEMBER	6	1.51	4	0.68	46
12 DECEMBER	25	1.17	4	0.67	27

SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2006

LAKE=CHEROKEE

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	23160	47910	71070	89
ANY TEMPERATE BASS	930	930	1860	1
WHITE BASS	590	3560	4150	9
STRIPED BASS	165590	141930	307520	140
CHEROKEE BASS	107330	111390	218720	111
ANY SUNFISH	2750	3620	6380	7
ANY BLACK BASS	6320	3950	10270	3
SMALLMOUTH BASS	7590	8610	16200	11
LARGEMOUTH BASS	509540	508140	1017680	626
ANY CRAPPIE	16870	62860	79730	224
WALLEYE	7670	12720	20390	18
ANY SPECIES	4410	16260	20670	37
TOTAL	**852750**	**921880**	**1774640**	**1276**

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2006

LAKE=CHEROKEE

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
KY	257	10.0
TN	2002	77.7
VA	232	9.0
OTHERS	87	3.4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
GRAINGER	375	18.8
HAMBLEN	481	24.1
HAWKINS	370	18.5
JEFFERSON	107	5.4
KNOX	152	7.6
SULLIVAN	265	13.3
OTHERS IN TN	247	12.4

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	1473	57.3
B) 26-100	1047	40.7
C) 101-250	47	1.8
D) > 250	5	0.2

DISTRIBUTION OF REASONS WHY INTERVIWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	1291	98.6
B) VACATION	17	1.3
D) OTHER	1	0.1

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	1251	95.4
B) 2-5	58	4.4
C) 6-10	2	0.