

Boone Reservoir
Annual Report 2008

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Boone Reservoir

Description

Surface Area: 4,520 acres	Shoreline Distance: 127 miles
Counties: Sullivan, Washington	Drainage Area: 1840 square miles
Full Pool Elevation: 1384 feet above mean sea level	Mean Annual Fluctuation: 54 feet
Maximum Depth: 122 feet	Thermocline Depth: 7 feet
Mean Chlorophyll (Forebay): 10.8 parts per million	Shoreline Development: 13%
Trophic Status (Forebay): Mesotrophic	Trophic Index, Carlson (1977): 53.9
Hydraulic Retention Time: 38 days	Reservoir Age: 56 years (dam completed 1952)
Total Fishing Effort: N/A in 2008	Total Value by Anglers: N/A in 2008

Habitat Enhancement and Monitoring

Location	New Sites			Renovated Sites			Expanded Sites		
	Number	Units	Acres	Number	Units	Acres	Number	Units	Acres
			None		in				2008

Parameter	Date Collected
Temperature, pH, Conductivity, and D.O.	July, August, September

Black Bass

		1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Angling Pressure (creel survey data)												
All Black Bass	(hrs)	no survey	no survey	63,918	77,967	no survey	81,983	63,918	51,416	49,352	86,235	67,827
	(hrs/acre)	no survey	no survey	14.1	17.2	no survey	18.1	14.1	11.4	10.9	19.1	15
Any Black Bass	(hrs)	no survey	no survey	54,695	77,555	no survey	79,864	62,545	49,785	47,724	84,872	65,291
	(hrs/acre)	no survey	no survey	12.1	17.2	no survey	17.7	13.8	11.0	10.6	18.8	14
Largemouth Bass	(hrs)	no survey	no survey	1,573	0	no survey	278	178	146	0	236	344
	(hrs/acre)	no survey	no survey	0.3	0.0	no survey	0.1	0.0	0.0	0.0	0.1	0
Smallmouth Bass	(hrs)	no survey	no survey	7,650	412	no survey	1,841	1,195	1,485	1,628	1,127	2,191
	(hrs/acre)	no survey	no survey	1.7	0.1	no survey	0.4	0.3	0.3	0.4	0.2	0
Spotted Bass	(hrs)	no survey	no survey	0	0	no survey	0	0	0	0	0	0
	(hrs/acre)	no survey	no survey	0.0	0.0	no survey	0.0	0.0	0.0	0.0	0.0	0
Tournaments (BITE program & creel survey data)												
# Tournaments (BITE)				10	6	2	none reported	none reported	2	none reported	none reported	5
Pounds/Angler Day (BITE)				2.07	2.39	3.09	none reported	none reported	2.84	none reported	none reported	2.60
Bass/Angler Day (BITE)				0.86	0.96	1.53	none reported	none reported	1.19	none reported	none reported	1.14
Value of Fishery (creel survey data - trip expenditures)												
All Black Bass		no survey	no survey	\$126,300	\$153,430	no survey	\$189,070	\$139,480	\$109,680	\$109,650	\$319,140	\$163,821
Any Black Bass		no survey	no survey	\$104,710	\$152,680	no survey	\$185,500	\$136,730	\$106,360	\$106,840	\$304,620	\$156,777
Largemouth Bass		no survey	no survey	\$2,240	\$0	no survey	\$600	\$270	\$620	\$0	\$2,360	\$870
Smallmouth Bass		no survey	no survey	\$19,350	\$750	no survey	\$2,970	\$2,480	\$2,700	\$2,810	\$12,160	\$6,174
Spotted Bass		no survey	no survey	\$0	\$0	no survey	\$0	\$0	\$0	\$0	\$0	\$0

Largemouth Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing data - CPUE = # fish/hour)											
Age-1 CPUE	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	#DIV/0!
Substock CPUE	3.6	2.9	11.2	10.8	8.9	0.0	3.1	3.7	13.0	18.0	7.5
Density (electrofishing data - CPUE = # fish/hour)											
PSD	97%	83%	58%	63%	77%	91%	86%	89%	68%	72%	78.4%
RSD - Preferred	57%	59%	28%	29%	35%	57%	48%	64%	46%	35%	45.8%
CPUE	41.7	46.3	66.3	63.2	70.5	39.1	58.8	38.4	58.3	108.0	59.1
CPUE = Stock	28.4	43.4	55.1	52.3	61.5	39.2	55.7	34.7	44.8	89.7	50.5
CPUE = MSL (15")	14.2	22.2	13.3	12.7	18.0	22.5	16.7	20.4	19.7	28.6	18.8
Growth (electrofishing data)											
Mean TL at Age-1 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	142	N/A	N/A	N/A	142
Mean TL at Age-3 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	334	N/A	N/A	N/A	334
Relative Weight (electrofishing data)											
Stock - Quality	85.7	83.4	84.5	87.9	94.0	82.4	94.4	89.6	92.3	89.5	88.4
Quality - Preferred	99.7	92.1	84.3	91.6	90.4	88.7	87.1	89.2	95.2	91.8	91.0
Preferred - Memorable	95.0	93.3	92.3	96.5	92.5	89.8	90.7	95.6	94.5	94.7	93.5
Memorable - Trophy	93.1	94.3	none	87.0	none	97.2	100.2	98.1	92.0	93.1	94.4
Trophy	none	none	none	none	none	none	none	none	none	none	none
Mortality (electrofishing data)											
Total Mortality	N/A	N/A	N/A	N/A	N/A	N/A	31%	N/A	N/A	N/A	31.0%
Fishing Success (creel survey data)											
Catch Rate	no survey	no survey	0.24	0.21	no survey	0.22	0.23	0.14	0.16	0.23	0.20
Harvest Rate	no survey	no survey	0.01	0.01	no survey	0.01	0.01	0.01	0.01	0.00	0.01
Percent Harvested	no survey	no survey	2.4%	2.6%	no survey	3.9%	3.2%	5.2%	6.8%	1.9%	3.7%
Mean Weight (pounds)	no survey	no survey	2.6	2.28	no survey	2.54	2.67	2.99	2.84	2.76	2.7

Fishery Forecast

The 2008 largemouth bass densities in Boone Reservoir were the highest recorded in the last 10 years. Also, the size structure was really good where 56% of the largemouth bass collected were between 12 and 18-inches. Another good part of the largemouth bass size structure is that 22% of the fish were less than 8-inches, which will keep the fishery stable for the next several years. Boone is a good quality largemouth bass fishery and should continue to be for the next several years.

Management Recommendations

Maintain the 15-inch (381 mm) minimum length limit.

Smallmouth Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing data - CPUE = # fish/hour)											
Age-1 CPUE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Substock CPUE	0.4	1.3	0.4	0.8	0.4	0.0	2.3	0.9	1.1	3.7	1.1
Density (electrofishing data - CPUE = # fish/hour)											
PSD	81%	85%	44%	71%	81%	81%	49%	66%	79%	73%	71.0%
RSD - Preferred	58%	60%	15%	56%	62%	64%	25%	37%	71%	50%	49.8%
CPUE	23.9	19.3	11.9	14.0	8.2	17.5	21.2	11.3	13.1	29.4	17.0
CPUE = Stock	21.3	18.0	11.4	13.3	7.8	17.5	18.9	10.8	12.0	25.7	15.7
CPUE = MSL (15")	8.9	4.6	0.8	5.6	3.3	8.6	3.4	3.1	6.0	7.4	5.2
Growth (electrofishing data)											
Mean TL at Age-1 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean TL at Age-3 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Relative Weight (electrofishing data)											
Stock - Quality	90.1	71.2	85.9	81.3	85.1	83.3	85.2	90.2	85.5	86.1	84.4
Quality - Preferred	86.7	80.1	79.6	91.4	93.8	91.6	80.5	82.2	83.3	83.3	85.2
Preferred - Memorable	88.2	88.1	81.2	89.4	83.5	85.7	80.4	87.8	82.9	83.2	85.0
Memorable - Trophy	80.9	81.1	83.0	91.6	83.6	80.5	82.2	78.6	80.6	79.8	82.2
Trophy	none	none	none	none	none	none	none	none	none	none	none
Mortality (electrofishing data)											
Total Mortality	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fishing Success (creel survey data)											
Catch Rate	no survey	no survey	0.30	0.17	no survey	0.14	0.17	0.13	0.14	0.21	0.18
Harvest Rate	no survey	no survey	0.01	0.01	no survey	0.01	0.01	0.01	0.01	0.00	0.01
Percent Harvested	no survey	no survey	3.9%	3.9%	no survey	5.7%	5.5%	8.6%	6.5%	3.6%	5.4%
Mean Weight (pounds)	no survey	no survey	2.1	1.99	no survey	2.17	2.19	2.41	2.4	2.62	2.3

Fishery Forecast

Like largemouth bass, smallmouth bass catch rates were also the highest recorded catch rates in the last 10 years. About 26% of the smallmouth in the sample were under 8-inches, which will keep the fishery stable for the next few years. About 53% of the smallmouth bass were between 12 and 18-inches. The number of fish in this size range should continue to increase with the final phase of the incremental smallmouth bass regulation taking effect in 2009. Starting March 1, 2009, the minimum size limit for smallmouth bass will increase from 16-inches to 18-inches.

Management Recommendations

Implement the new incremental size limit of 16-inches in 2008 and 18-inches in 2009 and evaluate the impact on the smallmouth fishery.

Spotted Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing data - CPUE = # fish/hour)											
Age-1 CPUE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Substock CPUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Density (electrofishing data - CPUE = # fish/hour)											
PSD	none	0%	none	none	100%	none	100%	none	50%	100%	70%
RSD - Preferred	none	0%	none	none	100%	none	100%	none	0%	0%	40%
CPUE	0.0	0.3	0.0	0.0	0.7	0.0	0.3	0.0	0.6	2.0	0.4
CPUE = Stock	0.0	0.3	0.0	0.0	0.7	0.0	0.3	0.0	0.6	2.0	0.4
Growth (electrofishing data)											
Mean TL at Age-1 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean TL at Age-3 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Relative Weight (electrofishing data)											
Stock - Quality	none	83.8	none	none	none	none	none	none	88.6	none	86.2
Quality - Preferred	none	none	none	none	none	none	none	none	97.7	106.6	102.2
Preferred - Memorable	none	none	none	none	102.1	none	99.0	none	none	none	100.5
Memorable - Trophy	none	none	none	none	none	none	none	none	none	none	
Trophy	none	none	none	none	none	none	none	none	none	none	
Mortality (electrofishing data)											
Total Mortality	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Fishing Success (creel survey data)											
Catch Rate	no survey	no survey	0.00	N/A	no survey	N/A	N/A	N/A	N/A	0.01	0.01
Harvest Rate	no survey	no survey	0.00	N/A	no survey	N/A	N/A	N/A	N/A	0.00	0.00
Percent Harvested	no survey	no survey	N/A	0%	no survey	N/A	0%	N/A	N/A	0%	0.0%
Mean Weight (pounds)	no survey	no survey	N/A	N/A	no survey	N/A	N/A	N/A	N/A	N/A	

Fishery Forecast

Spotted bass in Boone Reservoir are fortunately only found in a few locations. Although they are not detrimental to any fish species, there are not as sought after by anglers as other species of black bass. They can also be more aggressive and will often grab bait and lures quicker than the more desirable smallmouth and largemouth bass. The spotted bass population in Boone Reservoir seems to be stable and not increasing.

Management Recommendations

Continue to monitor the spotted bass population and maintain current regulations

White Crappie

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing data - CPUE = # fish/ hour)											
Age-0 CPUE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Substock CPUE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Density (electrofishing data - CPUE = # fish/ hour)											
PSD	100%	none	100%	none	100%	100%	none	100%	none	100%	100%
RSD - Preferred	83%	none	100%	none	57%	67%	none	50%	none	100%	76%
CPUE	2.67	0.00	3.76	0.00	2.77	0.81	0.00	0.57	0.00	0.29	1.09
CPUE = Stock	2.67	0.00	3.76	0.00	2.77	0.81	0.00	0.29	0.00	0.29	1.06
CPUE = MSL (10")	1.78	0.00	3.76	0.00	1.59	0.27	0.00	0.29	0.00	0.29	0.80
Growth (electrofishing data)											
Mean TL at Age-1 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean TL at Age-3 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Relative Weight (electrofishing data)											
Stock - Quality	none	none	none	none	none	none	none	none	none	none	none
Quality - Preferred	113.1	none	none	none	86.7	90.4	none	105.5	none	none	98.9
Preferred - Memorable	100.5	none	91.9	none	none	112.0	none	92.4	none	none	99.2
Memorable - Trophy	113.1	none	79.9	none	94.5	101.3	none	none	none	96.7	97.1
Trophy	none	none	none	none	none	none	none	none	none	none	none
Mortality (electrofishing data)											
Total Mortality	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Stocking											
# per Acre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Angling Pressure (creel survey data - any crappie)											
Angler Hours	no survey	no survey	15,616	10,183	no survey	10,181	8,936	8,748	8,783	8,067	10,073
Angler Hours/Acre	no survey	no survey	3.5	2.3	no survey	2.3	2.0	1.9	1.9	1.8	2.2
Fishing Success (creel survey data)											
Catch Rate	no survey	no survey	0.02	0.01	no survey	0.01	0.01	0.01	0.02	0.65	0.10
Harvest Rate	no survey	no survey	0.00	0.01	no survey	0.01	0.00	0.01	0.01	0.22	0.04
Percent Harvested	no survey	no survey	23.6%	100.0%	no survey	100.0%	38.9%	100.0%	79.5%	30.0%	67.4%
Mean Weight (pounds)	no survey	no survey	0.68	0.93	no survey	1.08	1.05	1.07	1.08	0.81	0.96
Value of Fishery (creel survey data - trip expenditures)											
Any Crappie	no survey	no survey	\$21,100	\$12,770	no survey	\$14,880	\$12,950	\$12,820	\$13,860	\$20,710	\$15,584

Fishery Forecast

White crappie in Boone Reservoir are not very plentiful. However, the population should remain in the reservoir and some years will be higher in numbers than other years.

Management Recommendations

Maintain current monitoring and fishing regulations.

Black Crappie

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Recruitment (electrofishing data) - CPUE = # fish/ hour)											
Age-0 CPUE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Substock CPUE	0	0	0	0	0	0	0	0	0	0	0
Density (electrofishing data - CPUE = # fish/ hour)											
PSD	97%	100%	76%	92%	86%	92%	97%	100%	100%	91%	93.1%
RSD - Preferred	45%	69%	52%	31%	43%	62%	74%	100%	72%	52%	60.0%
CPUE	13.78	8.63	8.62	3.39	10.90	3.67	22.40	0.86	8.29	13.14	9.37
CPUE = Stock	13.78	8.63	8.62	3.39	10.90	3.67	20.40	0.86	8.29	13.14	9.17
CPUE = MSL (10")	5.33	4.32	4.14	0.78	4.31	1.98	13.32	0.86	6.00	6.57	4.76
Growth (electrofishing data)											
Mean TL at Age-1 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Mean TL at Age-3 (mm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Relative Weight (electrofishing data)											
Stock - Quality	94.0	none	91.7	78.5	87.3	90.7	104.3	none	none	92.8	91.3
Quality - Preferred	95.8	90.4	79.1	98.5	85.3	85.5	88.9	none	98.1	95.9	90.8
Preferred - Memorable	95.4	94.3	81.4	97.2	94.1	87.4	90.5	76.2	90.9	92.0	89.9
Memorable - Trophy	93.8	60.8	82.1	91.2	85.6	88.4	85.6	88.9	89.6	86.5	85.2
Trophy	none	none	none	none	none	none	none	none	none	none	none
Mortality (electrofishing data)											
Total Mortality	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Stocking											
# per Acre	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	10.6	1.7
Angling Pressure (creel survey data - any crappie)											
Angler Hours	no survey	no survey	15,616	10,183	no survey	10,181	8,936	8,748	8,783	8,067	10,073
Angler Hours/Acre	no survey	no survey	3.5	2.3	no survey	2.3	2.0	1.9	1.9	1.8	2.2
Fishing Success (creel survey data)											
Catch Rate	no survey	no survey	0.59	0.15	no survey	0.12	0.13	0.09	0.11	0.58	0.25
Harvest Rate	no survey	no survey	0.15	0.03	no survey	0.05	0.08	0.07	0.07	0.14	0.08
Percent Harvested	no survey	no survey	32.5%	18.6%	no survey	8.3%	51.7%	69.2%	53.6%	22.5%	36.6%
Mean Weight (pounds)	no survey	no survey	0.83	0.82	no survey	0.81	0.79	0.88	0.86	0.91	0.84
Value of Fishery (creel survey data - trip expenditures)											
Any Crappie	no survey	no survey	\$21,100	\$12,770	no survey	\$14,880	\$12,950	\$12,820	\$13,860	\$20,710	\$15,584

Fishery Forecast

Crappie catch rates in 2008 were above average and size ranges were good. Over 90% of the black crappie were 8-inches and over. These fish should grow into harvestable size fish in 2009. Crappie are not as easily collected with electrofishing gear as bass species, thus making it difficult to obtain a good sample size and make assessments of the population. The crappie fishery, however should remain stable for the 2009 season.

Management Recommendations

1. Continue to refine sampling strategy for black crappie.
2. Continue to stock crappie at a rate of 15 fish per acre, if available from the hatchery

Striped Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean	
Recruitment (summer shad gill net data - CPUE = # fish/net night)												
Substock CPUE	no survey	no survey	0.154	no data	0.3	0.2	0.1	0	0.1	0	0.1	
Density (summer shad gill net data - CPUE = # fish/net night)												
PSD	no survey	no survey	100%	no data	9%	53%	33%	40%	0%	23%	36.9%	
RSD - Preferred	no survey	no survey	33%	no data	1%	16%	0%	0%	0%	0%	7.1%	
CPUE	no survey	no survey	0.385	no data	3.70	1.15	0.65	0.50	0.70	2.00	1.30	
CPUE = Stock	no survey	no survey	0.231	no data	3.40	0.95	0.60	0.50	0.65	2.00	1.19	
CPUE = 15"	no survey	no survey	0.231	no data	1.10	0.60	0.50	0.30	0.50	3.45	0.95	
Growth (summer shad gill net data)												
Mean TL at Age-1 (mm)	no survey	no survey	no data	no data	no data	311	370	370	399	384	366.8	
Mean TL at Age-3 (mm)	no survey	no survey	no data	no data	595	643	669	673	N/A	N/A	645.0	
Relative Weight (winter gill net; data 300' nets)												
Stock - Quality	no survey	no survey	no survey	no survey	no survey	no survey	no survey	no survey	N/A	N/A	98.6	98.6
Quality - Preferred	no survey	no survey	no survey	no survey	no survey	no survey	no survey	no survey	106.8	N/A	95.2	101.0
Preferred - Memorable	no survey	no survey	no survey	no survey	no survey	no survey	no survey	no survey	92.2	78	N/A	85.1
Memorable - Trophy	no survey	no survey	no survey	no survey	no survey	no survey	no survey	no survey	93.7	N/A	93.4	93.6
Trophy	no survey	no survey	no survey	no survey	no survey	no survey	no survey	no survey	N/A	N/A	N/A	N/A
Mortality (summer shad gill net data)												
Total Mortality	no survey	no survey	no survey	no survey	*	*	*	*	*	*		
Stocking												
# per Acre	5.3	0	5.1	6.3	9.7	3.5	2.7	5.6	9.9	5.9	5.4	
Angling Pressure (creel survey data - striped bass only)												
Angler Hours	no survey	no survey	17,410	6,996	no survey	13,212	9,898	9,069	8,798	10,954	10,905	
Angler Hours/Acre	no survey	no survey	3.9	1.5	no survey	2.9	2.2	2.0	1.9	2.4	2.4	
Fishing Success (creel survey data - striped bass only)												
Catch Rate	no survey	no survey	0.09	0.04	no survey	0.04	0.02	0.04	0.03	0.05	0.04	
Harvest Rate	no survey	no survey	0.03	0.02	no survey	0.00	0.00	0.01	0.01	0.00	0.01	
Percent Harvested	no survey	no survey	8.5%	36.9%	no survey	1.9%	0.6%	23.9%	20.3%	5.6%	14.0%	
Mean Weight (pounds)	no survey	no survey	8.1	10.91	no survey	2.6	4.78	9.96	10.55	16.16	9.01	
Value of Fishery (creel survey data - trip expenditures)												
Any Morones	no survey	no survey	\$2,150	\$9,610	no survey	\$19,540	\$16,740	\$9,500	\$13,990	\$770	\$10,329	
Striped Bass Only	no survey	no survey	\$43,550	\$10,090	no survey	\$19,310	\$20,580	\$15,990	\$15,080	\$42,810	\$23,916	

*data did not meet criteria for calculating mortality

Fishery Forecast

Striped bass are difficult to sample within the reservoir. Therefore, by-catch data from summer shad netting is used for *morone sp.* population analyses. The 2008 sample showed an improvement in overall striped bass catch. We sampled good numbers of quality size fish (20-inches and greater). These data show a little change in the population the last three years. In 2008, there was a new 36-inch (914-mm) minimum size limit from November through March, which will hopefully protect the larger fish in the population and we will begin to see these fish in our sampling. Due to stocking efforts, the fishery should remain stable within the reservoir.

Management Recommendations

1. Stock at a rate of 5 fish/acre if possible.
2. Refine sampling strategies for collecting good numbers of striped bass.

Hybrid Striped Bass

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean	
Recruitment (summer shad gill net data - CPUE = # fish/net night)												
Substock CPUE	no survey	no survey	0.77	no data	0.05	0.00	0.10	0.00	0.00	0.00	0.13	
Density (summer shad gill net data - CPUE = # fish/net night)												
PSD	no survey	no survey	75%	no data	90%	98%	77%	78%	100%	100%	88.3%	
RSD - Preferred	no survey	no survey	34%	no data	46%	63%	54%	50%	78%	85%	58.6%	
CPUE	no survey	no survey	6.00	no data	4.60	2.15	2.45	2.75	1.40	4.10	3.35	
CPUE = Stock	no survey	no survey	5.23	no data	4.55	2.15	2.35	2.75	1.40	4.10	3.22	
CPUE = MSL (15")	no survey	no survey	1.39	no data	1.90	1.35	1.15	1.30	1.10	3.45	1.66	
Growth (summer shad gill net data)												
Mean TL at Age-1 (mm)	no survey	no survey	no data	no data	no data	365	319	347	370	407	361.6	
Mean TL at Age-3 (mm)	no survey	no survey	no data	no data	562	590	572	584	560	576	574.0	
Relative Weight (winter gill net data)												
Stock - Quality	no survey	no survey	no survey	no survey	no survey	no survey	no survey	N/A	N/A	168.3	N/A	168.3
Quality - Preferred	no survey	no survey	no survey	no survey	no survey	no survey	no survey	N/A	93.1	N/A	N/A	93.1
Preferred - Memorable	no survey	no survey	no survey	no survey	no survey	no survey	no survey	88.1	90.4	98.9	95.2	93.2
Memorable - Trophy	no survey	no survey	no survey	no survey	no survey	no survey	no survey	90.7	90.8	91.1	98.2	92.7
Trophy	no survey	no survey	no survey	no survey	no survey	no survey	no survey	N/A	N/A	N/A	N/A	N/A
Mortality (summer shad gill net data)												
Total Mortality					*	*	*	*	*	*		
Stocking												
# per Acre	0	5.2	2.5	3.3	3.6	5	3.6	2.7	3.2	5.1	3.4	
Angling Pressure (creel survey data - hybrid striped bass only)												
Angler Hours	no survey	no survey	2,155	823	no survey	1,517	1,061	9,069	260	2,300	2,455	
Angler Hours/Acre	no survey	no survey	0.5	0.2	no survey	0.3	0.2	2.0	0.1	0.5	0.5	
Fishing Success (creel survey data - hybrid striped bass only)												
Catch Rate	no survey	no survey	0.04	0.21	no survey	0.08	0.02	0.02	0.02	0.02	0.06	
Harvest Rate	no survey	no survey	0.01	0.01	no survey	0.02	0.01	0.02	0.02	0.00	0.01	
Percent Harvested	no survey	no survey	12.7%	6.3%	no survey	14.2%	20.6%	32.5%	31.1%	17.3%	19.2%	
Mean Weight (pounds)	no survey	no survey	6.02	3.76	no survey	4.08	3.06	2.96	3.03	4.64	3.94	
Value of Fishery (creel survey data - trip expenditures)												
Any Morones	no survey	no survey	\$2,150	\$9,610	no survey	\$19,540	\$16,740	\$9,500	\$13,990	\$770	\$10,329	
Hybrid Striped Bass Only	no survey	no survey	\$5,230	\$1,050	no survey	\$2,630	\$2,140	\$0	\$550	\$6,240	\$2,549	

* Data did not meet criteria for calculating mortality.

Fishery Forecast

As with striped bass, Cherokee bass are difficult to sample within the reservoir. Therefore by-catch data from summer shad netting is used for *morone sp.* population analyses. These data show stability in the Cherokee bass population for this method of collection.

Due to stocking efforts, the fishery should remain stable within the reservoir.

Management Recommendations

1. Maintain the current 2 fish, 15-inch (381 mm) minimum length limit.
2. Continue to evaluate the changes made in the stocking regime in 2001. Prior to 2001, Cherokee bass were stocked at a rate of 5/acre every other year. They are now stocked at a rate of 2.5/acre every year. Early indications are that this rate is sufficient to maintain a quality fishery
3. Refine sampling strategies for collecting good numbers of Cherokee bass.

Sunfish

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Angling Pressure (creel survey data - any sunfish)											
Angler Hours	no survey	no survey	8,277	9,295	no survey	5,227	3,386	833	1,955	6,985	5,137
Angler Hours/Acre	no survey	no survey	1.8	2.1	no survey	1.2	0.7	0.2	0.4	1.5	1.1
Fishing Success (creel survey data - bluegill only)											
Catch Rate (bluegill)	no survey	no survey	2.15	1.39	no survey	1.55	1.10	1.58	2.16	3.01	1.85
Harvest Rate (bluegill)	no survey	no survey	0.12	0.10	no survey	0.12	0.10	0.27	0.55	0.42	0.24
% Harvested (bluegill)	no survey	no survey	8.4%	5.1%	no survey	4.1%	4.3%	4.1%	58.6%	4.6%	12.7%
Mean Weight (bluegill)	no survey	no survey	0.19	0.22	no survey	0.25	0.14	0.26	0.22	0.26	0.22
Value of Fishery (creel survey data - trip expenditures only)											
Any Sunfish	no survey	no survey	\$7,410	\$5,950	no survey	\$4,610	\$3,260	\$610	\$1,960	\$7,880	\$4,526

Catfish

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Angling Pressure (creel survey data - all catfish)											
Angler Hours	no survey	no survey	5,186	4,664	no survey	7,204	2,901	1,901	1,978	2,421	3,750.7
Angler Hours/Acre	no survey	no survey	1.1	1.0	no survey	1.6	0.6	0.4	0.4	0.5	0.8
Fishing Success (creel survey data)											
Catch Rate (channel cat)	no survey	no survey	0.29	0.20	no survey	0.20	0.18	0.16	0.21	0.15	0.20
Harvest Rate (channel cat)	no survey	no survey	0.09	0.09	no survey	0.16	0.17	0.16	0.20	0.11	0.14
% Harvested (channel cat)	no survey	no survey	40.7%	29.6%	no survey	58.4%	50.1%	65.6%	77.9%	20.1%	48.9%
Mean Weight (channel cat)	no survey	no survey	1.99	2.98	no survey	3.38	4.29	3.14	2.93	4.95	3.38
Value of Fishery (creel survey data - trip expenditures only)											
Any Catfish	no survey	no survey	\$5,290	\$6,150	no survey	\$12,200	\$5,010	\$4,040	\$4,270	\$5,980	\$6,134

Shad

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Mean
Density (summer shad gill net data - geometric mean density)											
Gizzard Shad	N/A	N/A	46.1	32.7	14.4	42.3	26.1	25.9	23.9	8.9	27.5
Threadfin Shad	N/A	N/A	2.5	22.2	0.03	1.5	15.9	11.2	40.2	4.98	12.3
Alewife	N/A	N/A	52.3	4.6	107.3	2.9	2.4	2.4	3.3	7.3	22.8

Tables

Table 1. Fish stocked in Boone Reservoir 1995-2008.

Species	Date	Rate (per acre)	Mean Length	Number
Cherokee Bass	July 1995	10	2.5	45,200
	July 1998	4.9	2.5	22,016
	July 2000	5.2	1.0 – 2.0	23,700
	July 2001	2.5	2.0 – 5.0	11,289
	July 2002	3.3	1.3 – 4.0	14,702
	July 2003	3.6	1.5 – 4.0	16,249
	June 2004	5.0	2.0 – 2.5	22,420
	June 2005	3.6	2.0 – 2.5	16,410
	June 2006	2.7	1.0 – 2.5	12,376
	June 2007	3.2	1.0 – 2.0	14,620
July 2008	5.1	1.5 – 2.5	22,992	
Striped Bass	July 1997	4.8	1.0	21,712
	July 1999	5.3	2.0 – 4.0	23,859
	July 2001	5.1	3.0 – 4.0	22,866
	July 2002	6.3	3.0 – 4.0	25,713
	July 2003	9.7	1.0 – 2.0	44,038
	July 2004	2.9	2.0 – 4.0	13,000
	July 2005	2.7	2.0 – 3.5	11,991
	July 2006	5.6	1.0 – 3.0	25,445
	June/July 2007	9.9	1.0 – 3.5	44,608
July 2008	5.9	1.5 – 3.0	26,489	
Blue Catfish	July 1995	3.1	4.0	14,000
	Nov 1998	2.4	5.0	10,850
Black-Nose	Dec 1996	20.7	2.5	93,583
Black Crappie	Nov 1997	18.5	2.0	83,587
	Nov–Dec 1998	15.5	2.5	69,994
	October 2007*	6.1	2.0 – 7.0	27,558
	October 2008*	10.6	1.5 – 5.0	47,720

*Black and Blacknose Crappie

Table 2. Number of species collected by gear type in Boone Reservoir, 2008. Effort is in hours for electrofishing and net nights for gill netting.

Species	Summer Shad Gill Netting			Spring Electrofishing		
	No.	CPUE (# fish / net night)	Total Effort	No.	CPUE (# fish / hour)	Total Effort
Largemouth Bass	X	X	X	378	108.0	3.5
Smallmouth Bass	X	X	X	103	29.4	3.5
Spotted Bass	X	X	X	7	2.0	3.5
Black Crappie	X	X	X	46	13.1	3.5
Black-Nose Crappie	X	X	X	4	1.1	3.5
White Crappie	X	X	X	1	0.3	3.5
Walleye	X	X	X	0	0	3.5
Sauger	X	X	X	X	X	X
White Bass	X	X	X	0	0	3.5
Channel Catfish	X	X	X	X	X	X
Gizzard Shad	255	12.75	20	X	X	X
Alewife	249	12.45	20	X	X	X
Striped Bass	40	2	20	X	X	X
Cherokee Bass	82	4.1	20	X	X	X
Bluegill	X	X	X	X	X	X

X = this type of data not collected with this method

Table 3. Black bass catch; mean catch per unit effort and relative stock density by RSD category for Boone Reservoir 1998 – 2008.

Species	Year	Gear	Number of Samples	Substock			Stock - Quality			Quality - Preferred			Preferred-Memorable			Memorable-Trophy			Trophy			PSD	Total	
				#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	%	#	CPUE
Largemouth Bass	1998	EL	12	5	1.7	4.8	21	7	11	87	29	48	71	24	39	2	0.7	1				88	186	62
	1999	EL	19	14	3	7.1	5	0.7	2	74	11	40	102	15	56	2	11	1				97	198	41.7
	2000	EL	12	9	2.9	6	23	7.5	17	31	10	23	78	25	59	1	0.3	1				83	142	46.3
	2001	EL	9	26	11	17	54	23	52	39	17	30	36	15	28	0	0	0				75	155	66.3
	2002	EL	15	42	11	17	75	19	37	69	18	34	57	15	28	1	0.6	1				63	244	63.2
	2003	EL	10	23	9	12	38	15	23	68	26	42	57	21	35	0	0	0				77	186	71
	2004	EL	14	0	0	0	13	39	9	48	13	34	79	22	56	1	0.3	1	0	0	0	91	141	39.1
	2005	EL	14	11	3.1	5	27	7.6	14	75	21	38	93	26	47	2	0.6	1	0	0	0	86	208	58.8
	2006	EL	14	13	3.7	10	14	4	11	30	8.5	25	76	22	62	2	0.6	2	0	0	0	89	135	38.4
	2007	EL	14	47	13	23	51	15	32	33	9.4	21	72	21	46	1	0.3	1	0	0	0	68	204	58.3
2008	EL	14	64	18	17	106	25	28	115	33	37	106	30	34	5	1.4	2	0	0	0	72	378	108	
Smallmouth Bass	1998	EL	12	6	1.7	11	16	5.3	30	15	5	31	15	5	31	2	0.6	4	0	0	0	67	53	17.7
	1999	EL	19	8	1.2	5	29	4.3	18	36	5.3	23	62	9.2	41	24	3.6	16	0.3	1		81	161	23.9
	2000	EL	12	4	1.3	7	8	2.6	15	14	4.6	25	26	8.5	47	7	2.3	13				85	59	19.9
	2001	EL	9	1	0.4	4	15	6.4	56	8	3.4	30	3	1.2	11		0.4					44	28	11.9
	2002	EL	17	3	0.8	5	15	3.8	29	8	2.1	15	14	3.6	27	14	3.5	27	0.3	2		71	55	14.1
	2003	EL	10	1	0.4	5	4	1.6	19	4	1.5	19	11	3.8	52	2	0.8	10				81	22	8.1
	2004	EL	14	0	0	0	14	3.8	22	11	3.1	17	27	7.5	46	10	2.8	16	1	0.3	2	81	63	17.5
	2005	EL	14	8	2.3	11	34	9.6	51	16	4.5	24	9	2.5	13	8	2.3	12	0	0	0	49	75	21.2
	2006	EL	14	3	0.9	7	13	3.7	34	10	2.8	26	6	1.7	16	8	2.3	21	1	0	3	66	41	11.6
	2007	EL	14	4	1.1	9	9	2.6	21	3	0.9	7	19	5.4	45	11	3.1	26	0	0	0	79	46	13.1
2008	EL	14	13	3.7	13	24	6.9	27	21	6	23	23	6.6	26	21	6	23	1	0.3	1	73	103	29.4	

Table 4. Striped bass and Cherokee bass catch; mean catch per unit effort and relative stock density by RSD category in Boone Reservoir 2003 – 2008.

Species	Year	Gear	Number of Samples	RSD Substock			RSD Stock - Quality			RSD Quality - Preferred			RSD Preferred-Memorable			RSD Memorable-Trophy			RSD Trophy			PSD	Total	
				#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	#	CPUE	RSD	%	#	CPUE
				Striped Bass	2003	GN	20	6	0.3	8	62	3.1	91	5	0.3	7	0	0	0	1	0.1	1	0	0
Bass	2004	GN	20	4	0.2	17	9	0.5	47	7	0.4	37	1	0.1	5	2	0.1	11	0	0	0	53	23	1.15
	2005	GN	20	1	0.1	8	8	0.4	67	4	0.2	33	0	0	0	0	0	0	0	0	0	33	13	0.65
	2006	GN	20	0	0	0	6	0.3	60	4	0.2	40	0	0	0	0	0	0	0	0	0	40	10	0.5
	2007	GN	20	1	0.1	7	13	0.7	100	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0.7
	2008	GN	20	0	0	0	31	1.6	78	9	0.5	23	0	0	0	0	0	0	0	0	0	23	40	2
Cherokee Bass	2003	GN	20	1	0.1	1	9	0.5	10	40	2.9	44	25	1.3	27	16	0.8	18	0	0	0	89	92	4.6
	2004	GN	20	0	0	0	1	0.1	2	15	0.8	35	15	0.8	35	12	0.6	28	0	0	0	98	43	2.15
	2005	GN	20	2	0.1	4	11	0.6	23	11	0.6	23	5	0.3	11	15	0.8	32	5	0.3	11	77	49	2.5
	2006	GN	20	0	0	0	12	0.6	22	16	0.8	29	19	1	35	7	0.4	13	1	0.1	2	78	55	2.75
	2007	GN	20	0	0	0	0	0	0	6	0.3	21	9	0.5	32	11	0.6	39	2	0.1	7	100	28	1.4
	2008	GN	20	0	0	0	0	0	0	12	0.6	15	61	3.1	74	7	0.4	9	2	0.1	2	100	82	4.1

Table 5. Largemouth bass mean relative weights (Wr) in Boone Reservoir, spring 2008.

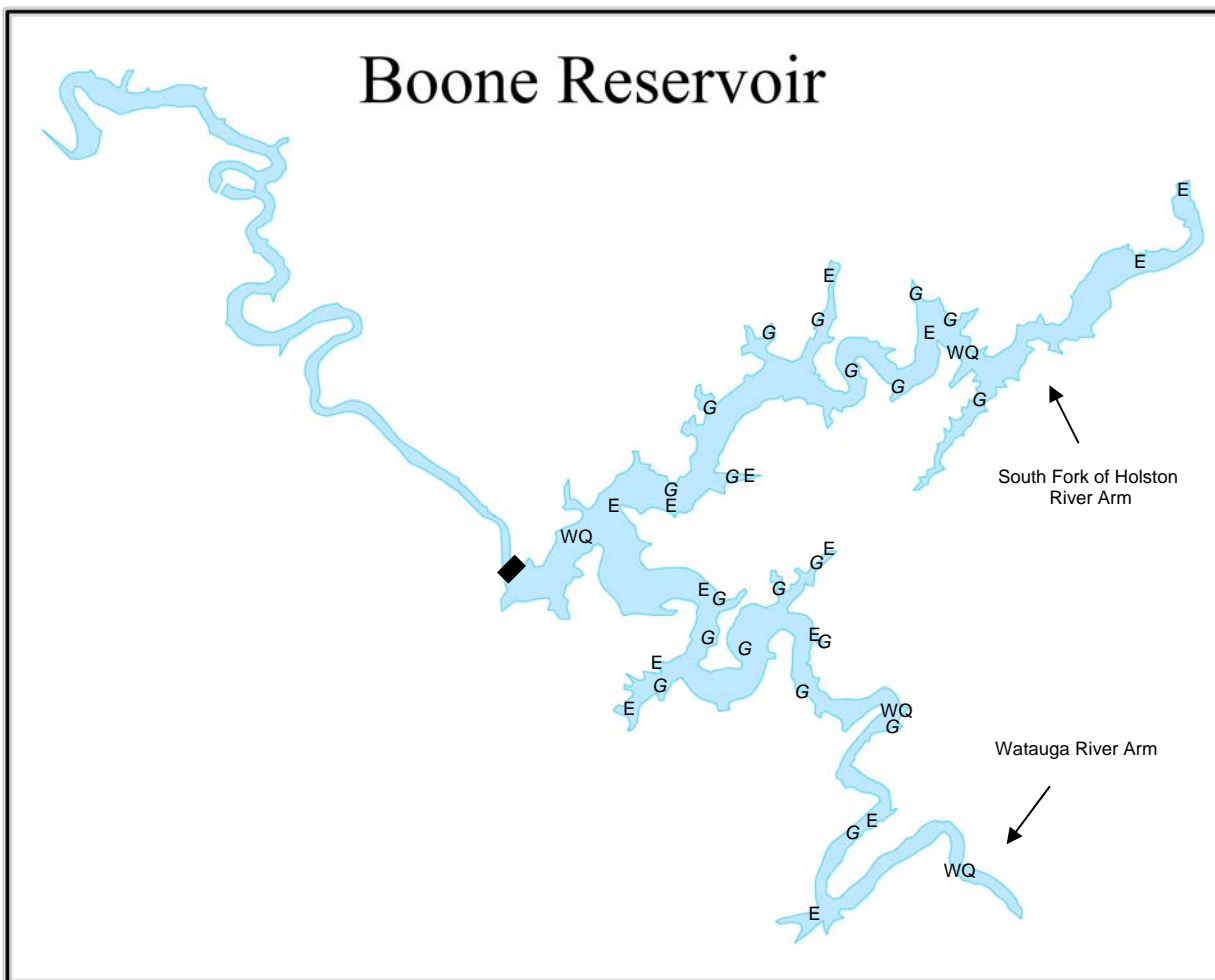
Length Group	Mean Wr	Std. Error	N
150	83.6	2.1	24
175	84.2	1.7	17
200	87.9	1.2	19
225	89.0	2.7	21
250	90.4	1.5	25
275	90.2	1.6	23
300	89.8	1.5	26
325	91.4	1.2	37
350	93.5	1.0	46
375	92.5	1.3	29
400	94.1	1.4	23
425	94.4	1.4	27
450	96.6	1.3	23
475	97.7	2.0	5
500	95.3	2.9	6
525	87.1	4.5	2
550	91.0		1
Total =			354

Table 6. Smallmouth bass mean relative weights in Boone Reservoir, spring 2008.

Length Group	Mean Wr	Std. Error	N
150	78.2	4.0	3
175	90.6	4.7	5
200	85.5	2.0	6
225	84.1	2.7	9
250	87.9	4.2	3
275	79.3	2.4	8
300	85.1	3.6	5
325	85.5	3.3	9
350	83.1	1.2	6
375	84.2	2.8	10
400	80.5	2.0	6
425	81.1	2.5	6
450	80.3	1.6	12
475	78.4	4.7	2
500	79.1	4.0	2
525	79.5		1
550			
Total =			93

Figures

Figure 1. Sites sampled on Boone Reservoir in 2008.



E = Electrofishing
G = Gill Netting
WQ = Water Quality

Largemouth Bass

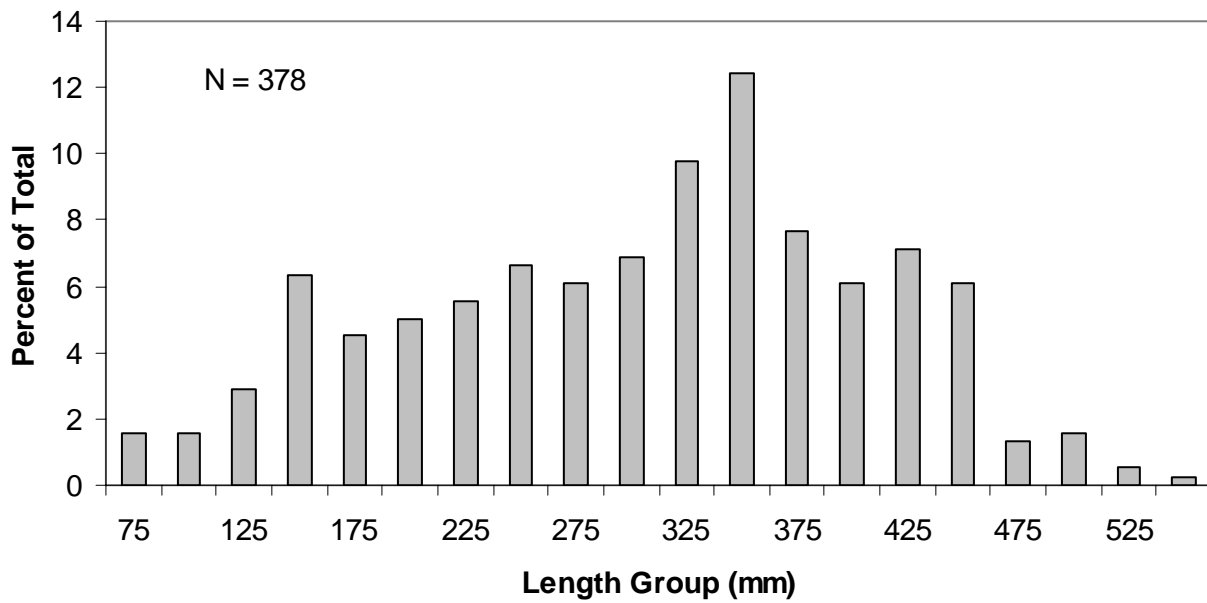


Figure 2. Largemouth bass length frequency by percent in Boone Reservoir, spring 2008.

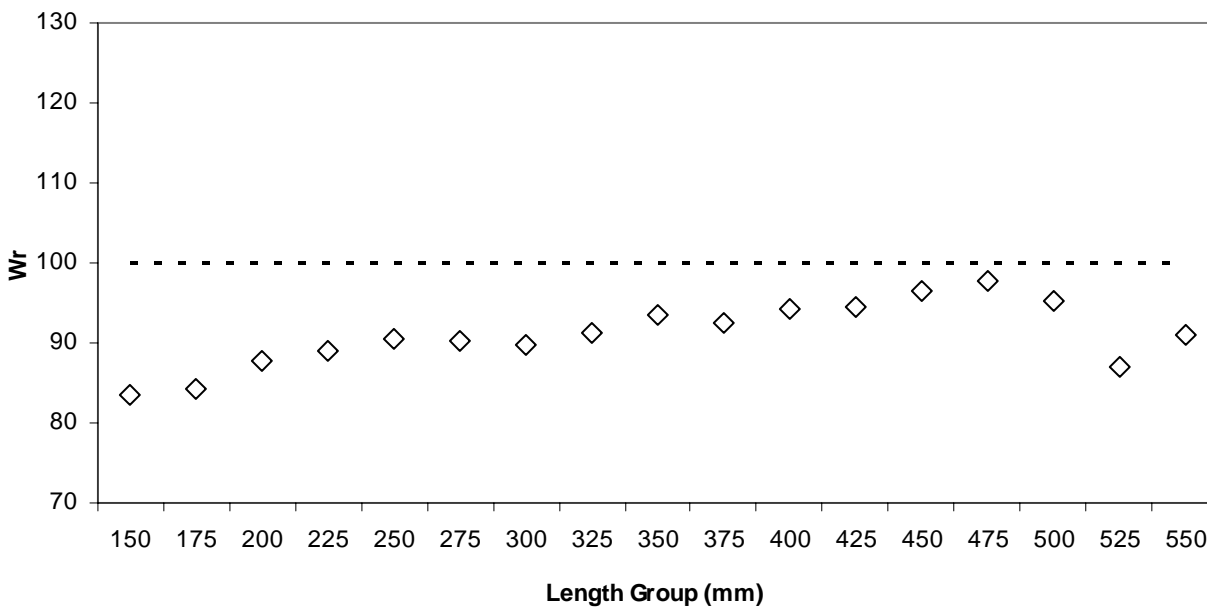


Figure 3. Largemouth bass mean relative weights (Wr) in Boone Reservoir, spring 2008.

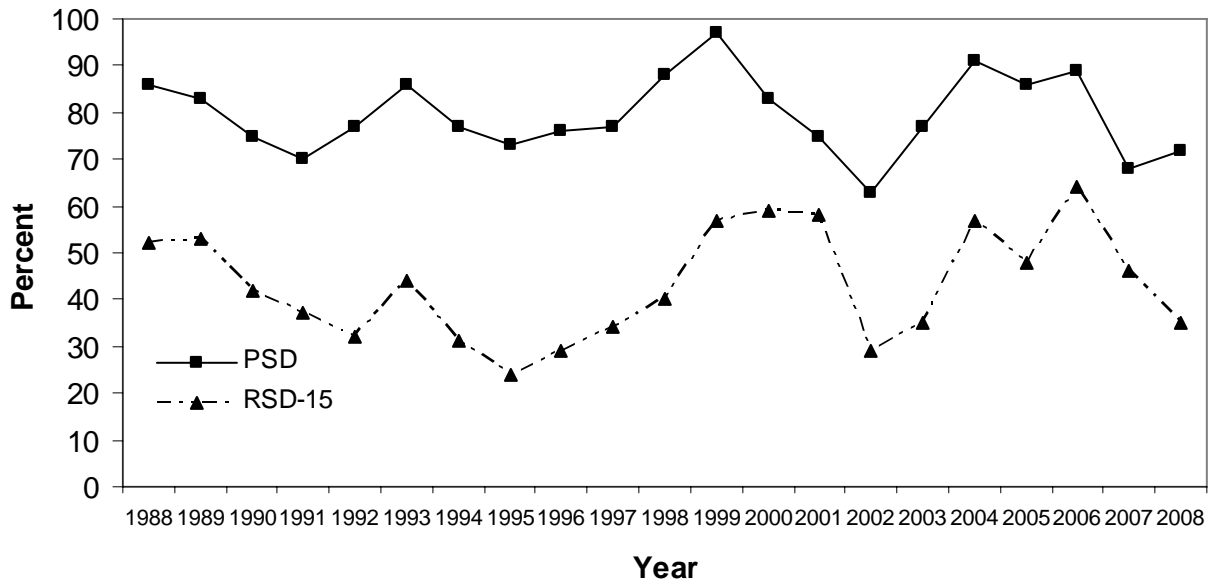


Figure 4. Largemouth bass traditional PSD and RSD-15 values in Boone Reservoir 1988 – 2008.

Smallmouth Bass

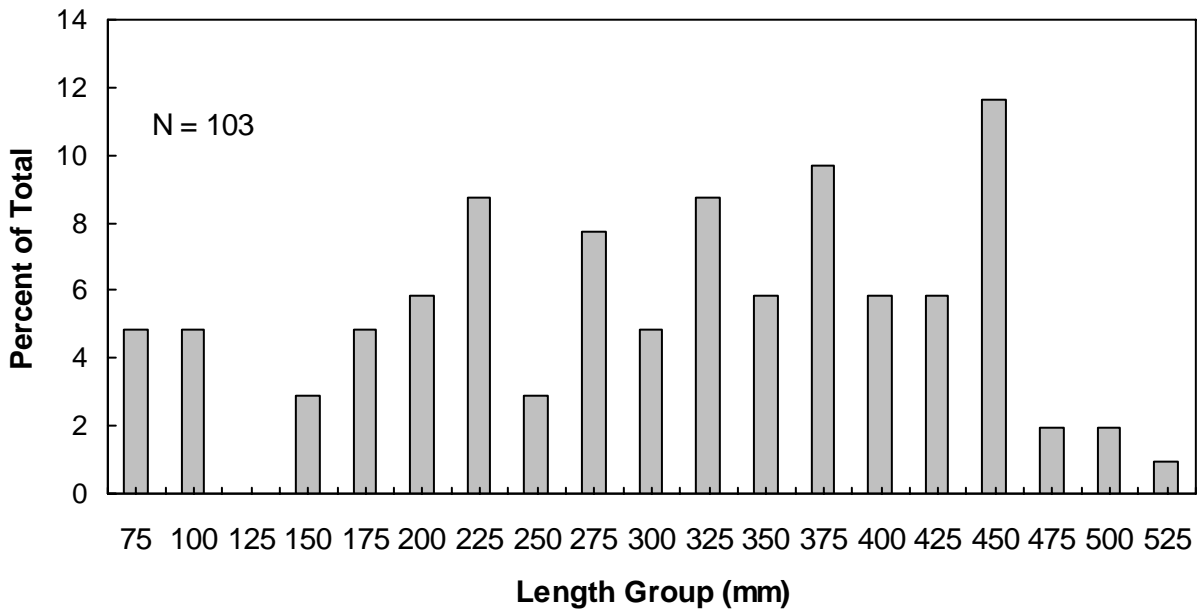


Figure 5. Smallmouth bass length frequency by percent in Boone Reservoir, spring 2008.

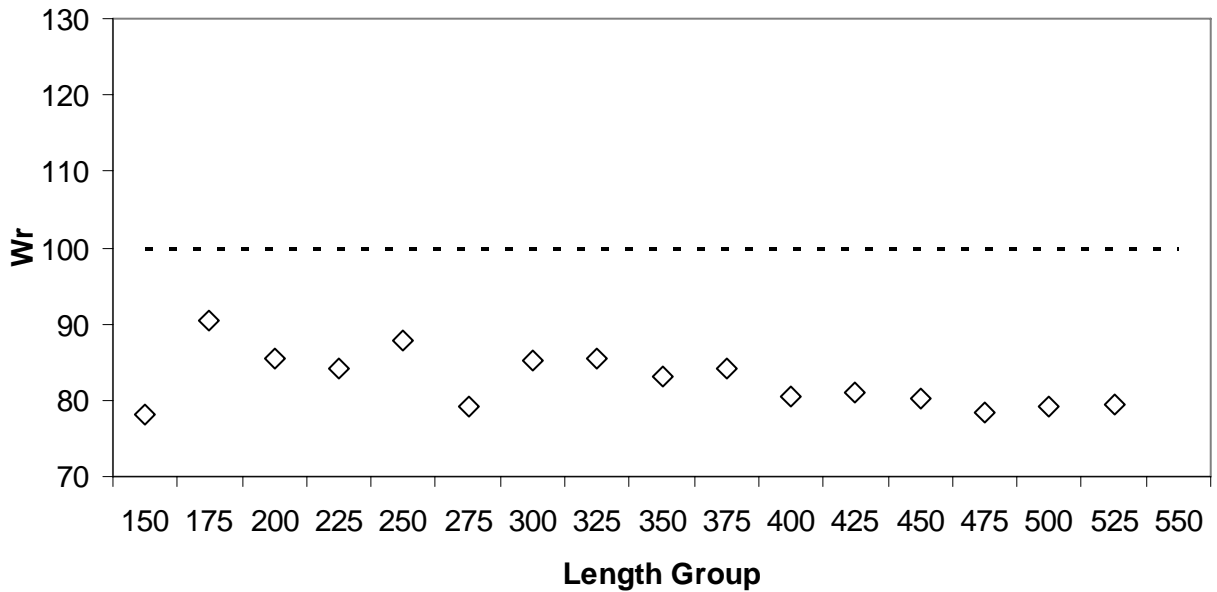


Figure 6. Smallmouth bass mean relative weights (Wr) in Boone Reservoir, spring 2008.

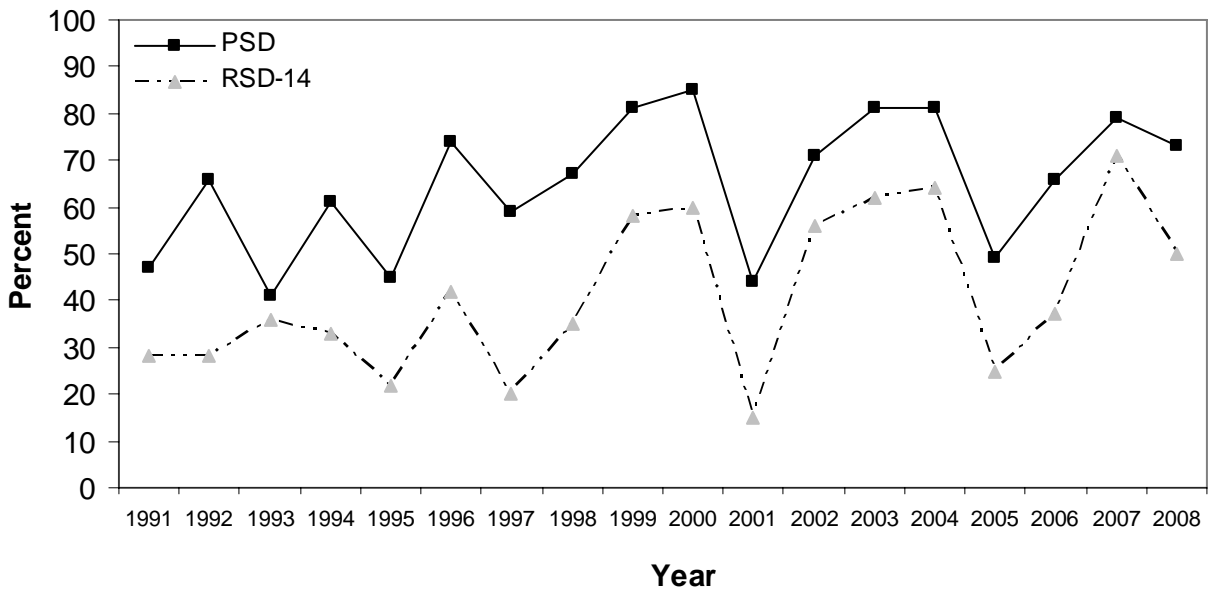


Figure 7. Smallmouth bass traditional PSD and RSD-14 values in Boone Reservoir 1991 – 2008.

Striped Bass

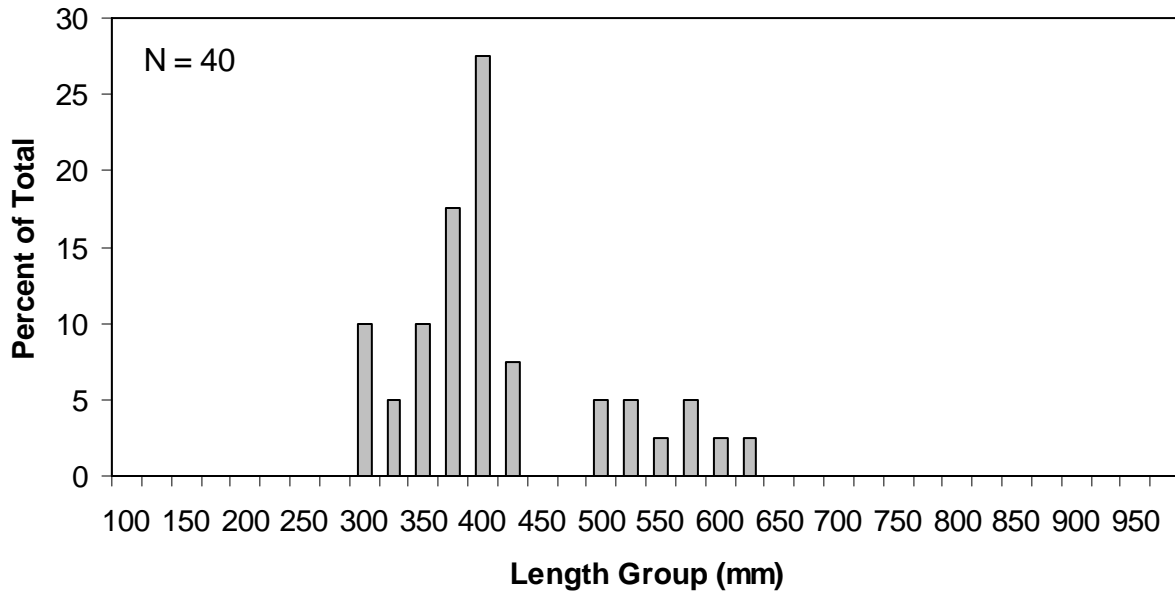


Figure 8. Striped bass length frequency in Boone Reservoir, summer 2008.

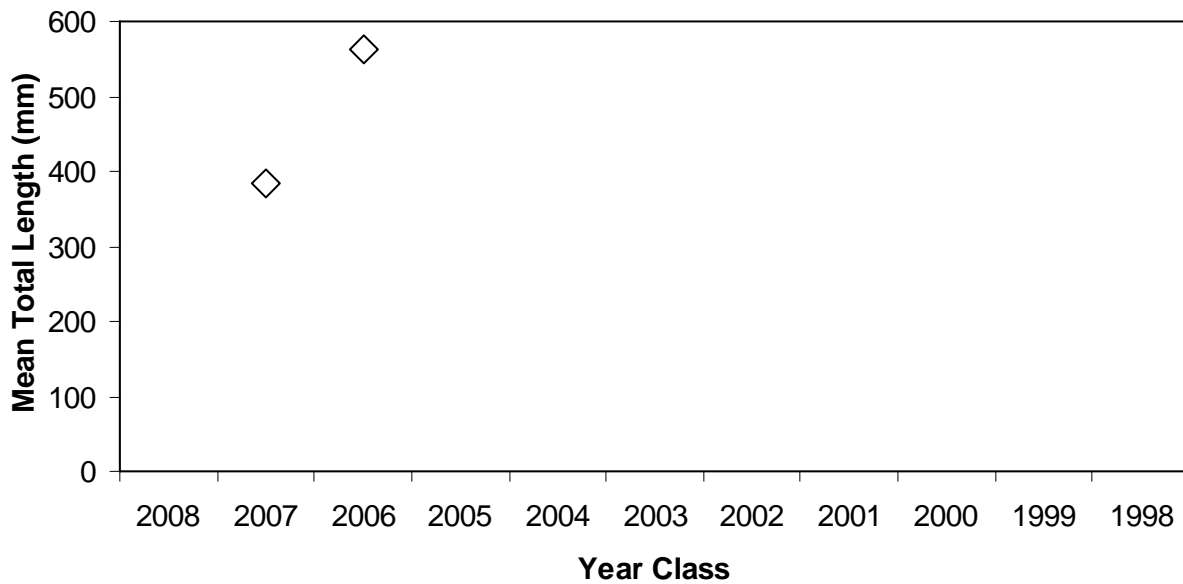


Figure 9. Striped Bass mean length at age in Boone Reservoir, September 2008.

Cherokee Bass

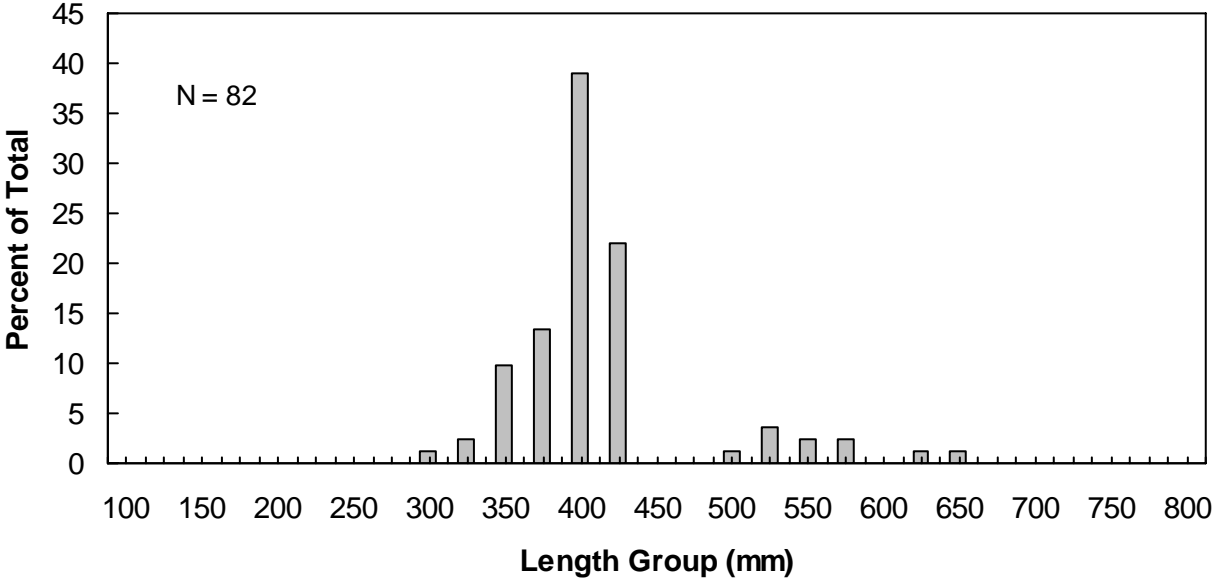


Figure 10. Cherokee bass length frequency by percent in Boone Reservoir, Summer 2008.

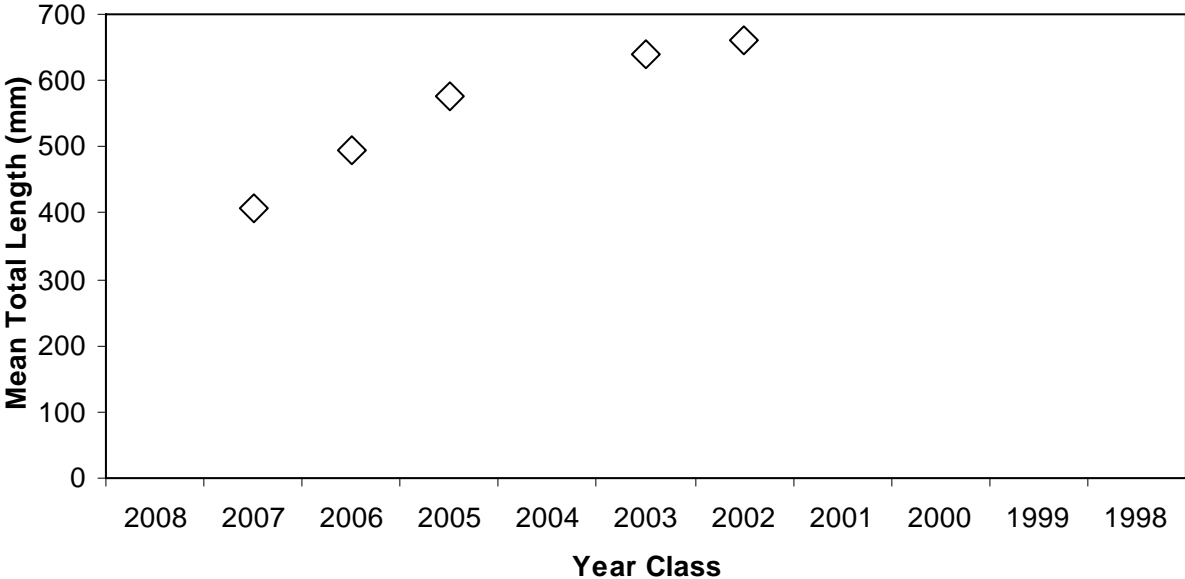


Figure 11. Cherokee Bass mean length at age in Boone Reservoir, September 2008.

Clupeid Species

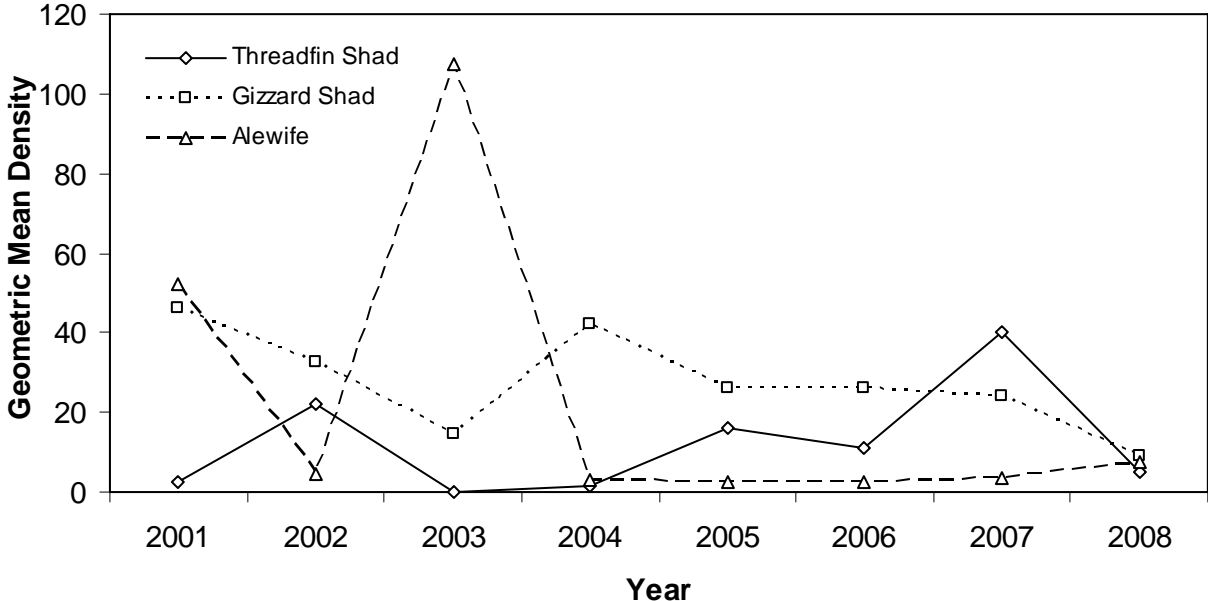


Figure 12. Geometric mean density of the clupeid catches in experimental gill nets from Boone Reservoir 2001 - 2008

Appendix A
Water Quality

Table A1. Boone Reservoir, water quality data at SFHRM 19, July 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	23.8	232	9.9	SFHRM19	1.3	09:52
1	23.7	232	10.0			
2	23.5	232	10.1			
3	23.2	234	10.2			
4	22.4	241	9.3			
5	19.7	258	3.9			
6	18.9	266	2.5			
7	18.2	263	1.3			
8	17.6	250	1.0			
9	17.3	239	1.1			
10	16.9	228	2.0			
11	16.5	223	2.5			
12	16.2	235	2.6			
13	16.0	264	2.4			
14	15.9	276	2.3			
15	15.7	292	2.2			
16	15.5	280	2.3			
17	15.3	283	2.7			
18	15.1	279	3.0			
19	14.8	286	4.2			
20	14.5	294	5.0			
21	14.3	293	5.9			
22	14.0	295	6.0			
23	13.6	294	6.3			
24	13.3	292	6.6			
25	13.0	291	8.0			
26	12.8	291	8.1			
27	12.7	291	8.2			
28	12.6	291	8.3			
29	12.5	291	8.4			
30	12.5	291	8.4			

Table A2. Boone Reservoir, water quality data at SFHRM 26, July 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	25.1	270	9.6	SFHRM26	1.1	10:55
1	25.1	270	9.7			
2	25.0	271	9.8			
3	24.9	270	9.8			
4	23.4	298	6.0			
5	20.5	326	3.1			
6	18.4	325	0.7			
7	17.6	309	0.6			
8	17.4	314	0.4			
9	16.9	323	0.5			
10	16.5	319	2.1			
11	16.2	313	4.3			
12	16.0	307	5.5			
13	15.6	301	6.5			
14	15.1	298	7.6			
15	14.8	297	7.9			
16	14.6	295	8.2			
17	13.7	292	8.9			
18	13.4	292	9.2			
19	13.1	292	9.3			
20	13.0	292	9.2			
21	12.8	292	9.1			
22	Bottom					
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Table A3. Boone Reservoir, water quality data at WRM 6, July 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	24.9	214	9.7	WRM6	1.2	09:23
1	24.9	215	9.8			
2	24.9	215	9.8			
3	24.9	215	9.8			
4	22.0	225	9.0			
5	19.7	219	8.4			
6	18.9	220	7.6			
7	17.8	217	7.1			
8	17.2	217	6.3			
9	16.9	218	6.1			
10	16.6	218	5.9			
11	16.4	216	5.9			
12	16.1	213	5.8			
13	15.9	210	5.7			
14	15.5	207	5.6			
15	15.3	206	5.4			
16	15.1	205	5.2			
17	14.9	205	5.1			
18	14.4	207	3.5			
19	14.2	210	2.1			
20	13.8	221	1.0			
21	13.6	237	0.4			
22	Bottom					
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Table A4. Boone Reservoir, water quality data at WRM 11, July 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	24.4	214	7.2	WRM11	1.2	08:52
1	24.4	214	7.6			
2	24.4	215	7.8			
3	24.4	215	8.1			
4	22.4	221	8.1			
5	20.9	221	7.9			
6	20.1	221	7.8			
7	19.1	226	7.5			
8	17.8	229	7.4			
9	16.7	227	7.2			
10	Bottom					
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Table A5. Boone Reservoir, water quality data at SFHRM 19, August 6, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	27.9	217	10.3	SFHRM19	1.7	9:35
1	27.7	216	10.5			
2	27.5	216	11.2			
3	25.5	215	12.7			
4	22.8	219	10.5			
5	21.5	223	7.5			
6	20.4	230	3.0			
7	19.3	223	1.9			
8	19.0	224	1.1			
9	18.5	220	0.4			
10	18.1	210	0.5			
11	17.8	205	2.1			
12	17.6	202	3.2			
13	17.2	203	2.6			
14	17.0	205	2.0			
15	16.7	207	1.9			
16	16.5	211	1.8			
17	16.4	232	1.5			
18	16.1	219	1.3			
19	15.7	225	1.4			
20	15.6	246	1.6			
21	15.5	256	3.0			
22	15.3	261	3.6			
23	14.9	237	3.7			
24	14.7	275	6.5			
25	14.5	276	8.2			
26	14.3	276	8.3			
27	14.2	276	8.5			
28	14.0	276	8.5			
29	13.9	276	8.4			
30	13.7	277	8.2			

Table A6. Boone Reservoir, water quality data at SFHRM 26, August 6, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	29.1	240	9.3	SFHRM26	1.4	14:00
1	28.8	240	9.5			
2	28.5	242	9.6			
3	27.3	263	11.3			
4	24.6	298	12.9			
5	22.1	291	6.8			
6	20.9	284	2.0			
7	19.9	269	0.8			
8	18.8	252	0.6			
9	18.3	244	0.4			
10	17.9	249	0.3			
11	17.6	269	0.3			
12	17.2	281	2.9			
13	17.1	282	4.0			
14	16.9	284	4.2			
15	16.5	285	5.2			
16	16.2	284	6.7			
17	15.3	280	8.0			
18	14.4	275	9.0			
19	13.9	274	9.5			
20	13.5	273	9.8			
21	13.3	272	9.9			
22	13.2	275	9.9			
23	Bottom					
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Table A7. Boone Reservoir, water quality data at WRM 6, August 6, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	28.3	205	10.9	WRM6	1.7	11:30
1	28.3	206	11.0			
2	28.2	206	11.1			
3	26.9	212	11.7			
4	23.6	212	9.3			
5	22.4	205	8.6			
6	21.0	203	7.8			
7	19.6	199	7.8			
8	18.9	199	7.8			
9	18.4	200	7.7			
10	17.9	198	7.3			
11	17.6	197	7.2			
12	17.3	197	7.1			
13	17.0	197	6.1			
14	16.6	198	5.9			
15	16.3	193	5.8			
16	16.0	190	5.7			
17	15.8	190	5.8			
18	15.6	191	5.5			
19	15.4	192	3.9			
20	15.2	198	2.1			
21	Bottom					
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Table A8. Boone Reservoir, water quality data at WRM 11, August 6, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	28.3	207	11.6	WRM11	1.4	12:15
1	28.2	207	11.6			
2	27.9	207	11.6			
3	26.3	212	11.1			
4	24.1	205	10.5			
5	21.7	204	10.7			
6	20.1	204	10.9			
7	19.5	203	10.7			
8	19.0	201	9.9			
9	18.9	202	9.8			
10	Bottom					
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Table A9. Boone Reservoir, water quality data at SFHRM 19, September 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	26.7	207	9.4	SFHRM19	2	9:40
1	26.7	207	9.5			
2	26.7	208	9.5			
3	26.5	208	9.6			
4	23.8	210	9.3			
5	21.7	212	5.8			
6	20.5	213	3.2			
7	19.6	202	2.1			
8	19.0	210	0.6			
9	18.4	197	1.0			
10	18.1	190	3.5			
11	17.8	189	3.4			
12	17.6	188	3.6			
13	17.4	189	3.3			
14	17.2	195	2.2			
15	16.9	188	2.9			
16	16.7	185	2.9			
17	16.5	194	2.6			
18	16.3	199	2.5			
19	16.1	191	2.4			
20	15.9	194	2.2			
21	15.7	194	2.1			
22	15.5	196	1.9			
23	15.2	224	2.2			
24	15.0	230	3.0			
25	14.8	247	4.6			
26	14.6	257	6.1			
27	14.4	263	6.7			
28	14.3	264	7.0			
29	14.1	265	7.1			
30	14.1	266	7.1			

Table A10. Boone Reservoir, water quality data at SFHRM 26, September 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	26.4	233	10.3	SFHRM26	1.5	10:30
1	26.4	233	10.3			
2	26.3	236	10.3			
3	24.5	242	10.6			
4	23.3	244	7.6			
5	21.8	244	3.7			
6	20.6	238	1.2			
7	19.5	218	0.2			
8	18.9	206	0.1			
9	18.2	206	0.1			
10	18.0	211	0.1			
11	17.8	236	0.1			
12	17.7	255	0.3			
13	17.5	270	2.6			
14	17.3	277	4.6			
15	17.1	279	5.7			
16	16.8	279	5.9			
17	16.7	280	5.9			
18	16.2	279	7.9			
19	15.9	277	8.2			
20	15.7	277	8.3			
21	15.4	278	7.3			
22	15.2	286	3.8			
23	Bottom					
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Table A11. Boone Reservoir, water quality data at WRM 6, September 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	26.2	196	10.5	WRM 6	1.1	9:00
1	26.2	197	10.6			
2	26.2	197	10.6			
3	25.2	202	10.2			
4	23.4	212	7.0			
5	21.9	211	6.2			
6	20.4	205	6.1			
7	19.5	200	6.3			
8	18.8	196	6.4			
9	18.4	195	7.3			
10	17.9	191	7.2			
11	17.6	188	7.7			
12	17.3	186	8.0			
13	17.2	184	8.7			
14	16.7	181	9.0			
15	16.2	177	9.3			
16	15.9	174	9.4			
17	15.4	171	9.4			
18	15.2	170	9.5			
19	14.8	169	9.6			
20	14.7	168	9.6			
21	14.6	168	9.5			
22	Bottom					
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Table A12. Boone Reservoir, water quality data at WRM 11, September 2, 2008.

Depth (m)	Temp (C)	Cond	DO	Site	Secchi (m)	Time
0	26.1	199	8.4	WRM 6	1.1	8:35
1	26.1	199	8.4			
2	25.9	201	8.4			
3	23.7	210	8.4			
4	22.9	199	8.4			
5	21.5	206	8.1			
6	20.2	212	7.8			
7	18.1	207	7.5			
8	17.4	206	7.4			
9	16.5	200	7.3			
10	Bottom					
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Figure A1. Boone Reservoir water quality data at SFHRM 19, July 2008.

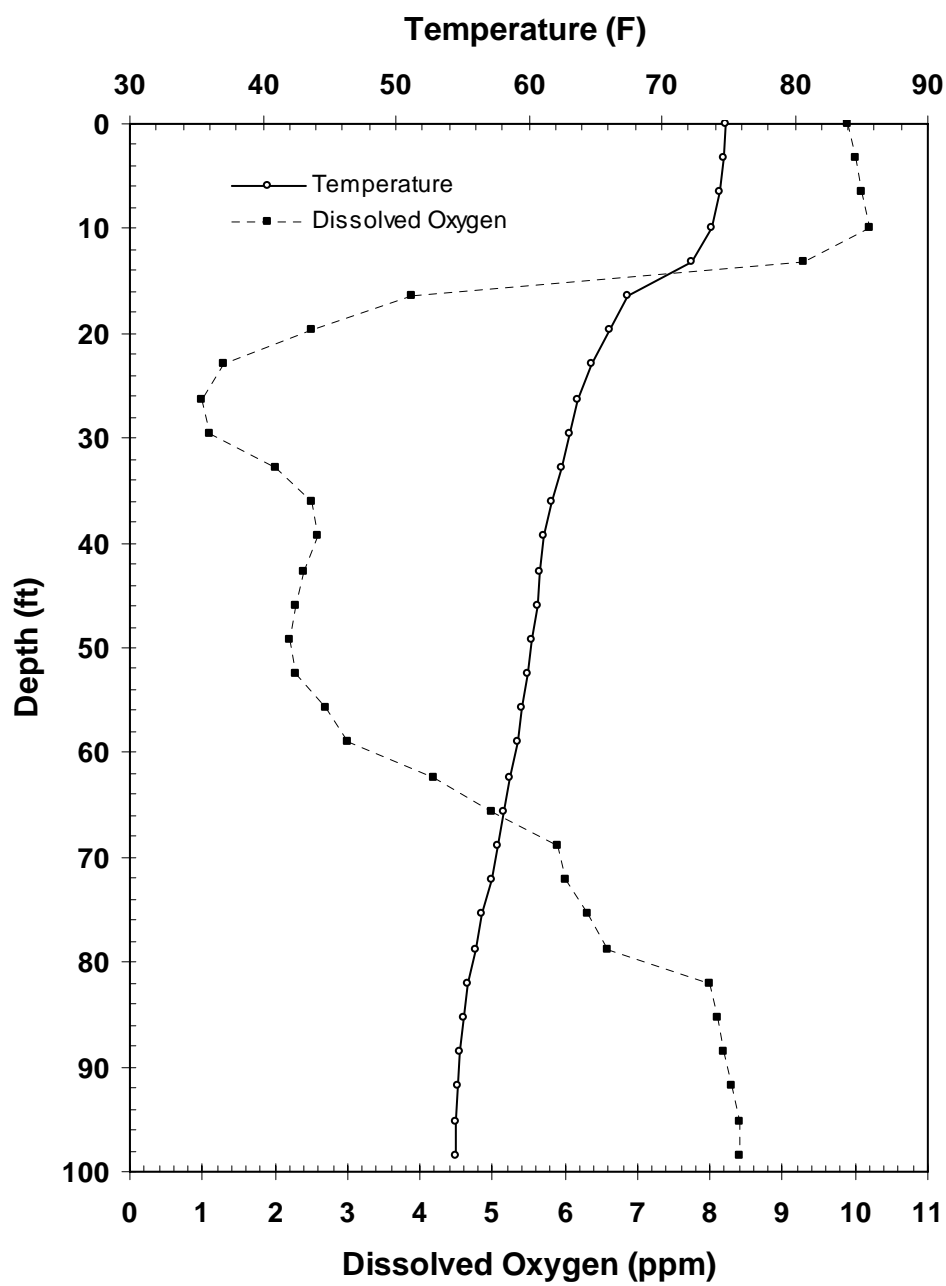


Figure A2. Boone Reservoir water quality data at SFHRM 26, July 2008.

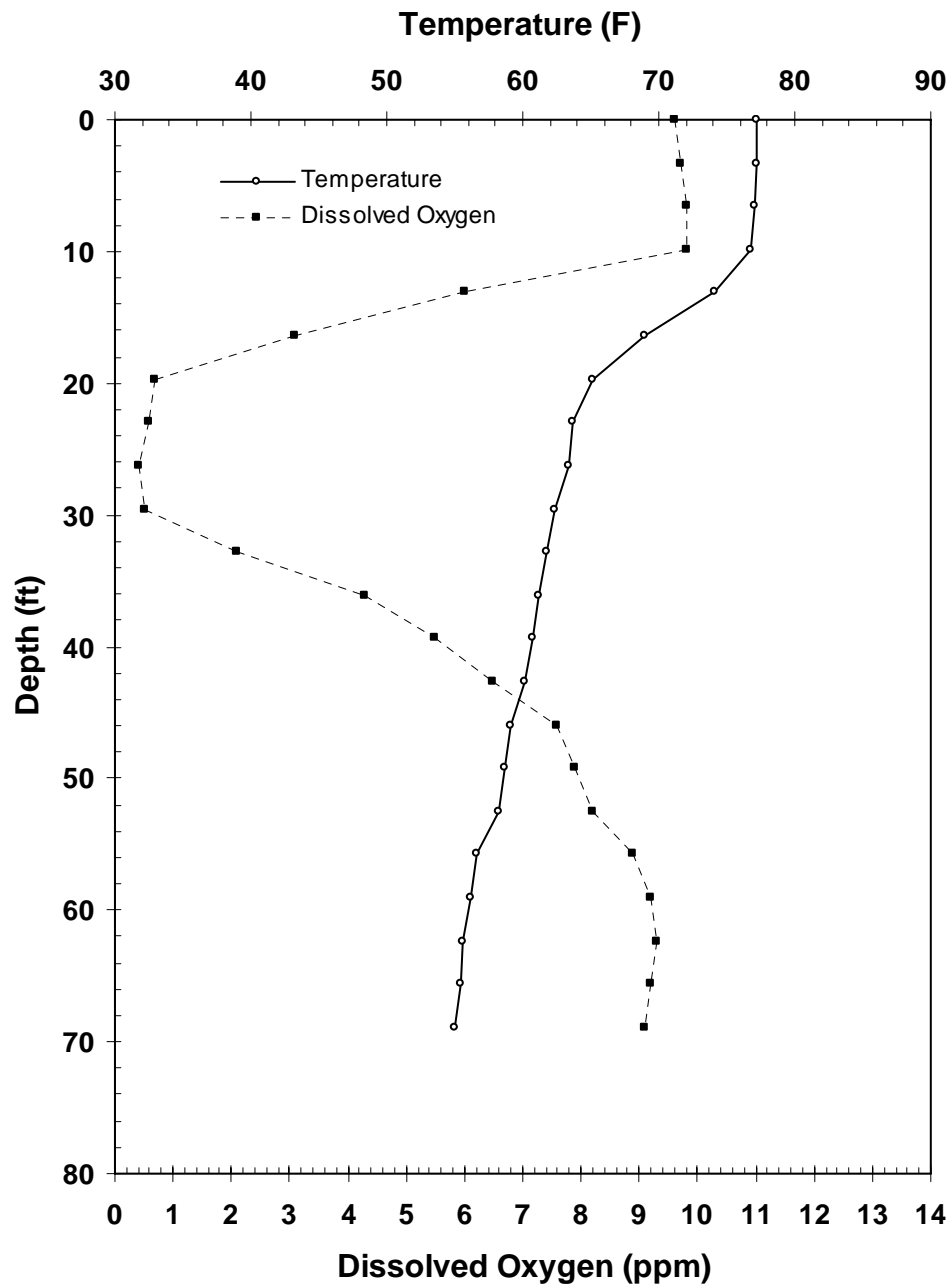


Figure A3. Boone Reservoir water quality data at WRM 6, July 2008.

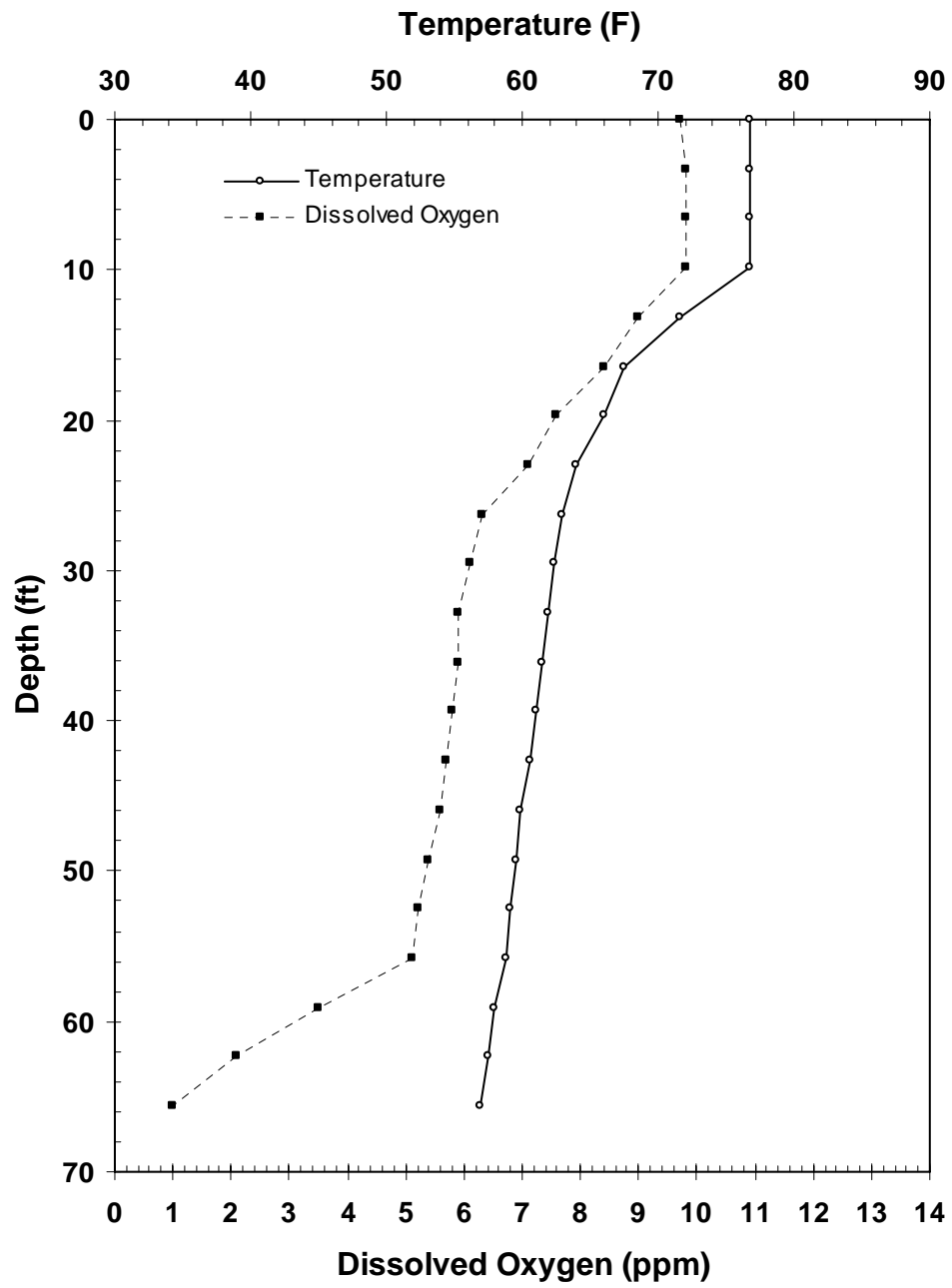


Figure A4. Boone Reservoir water quality data at WRM 11, July 2008.

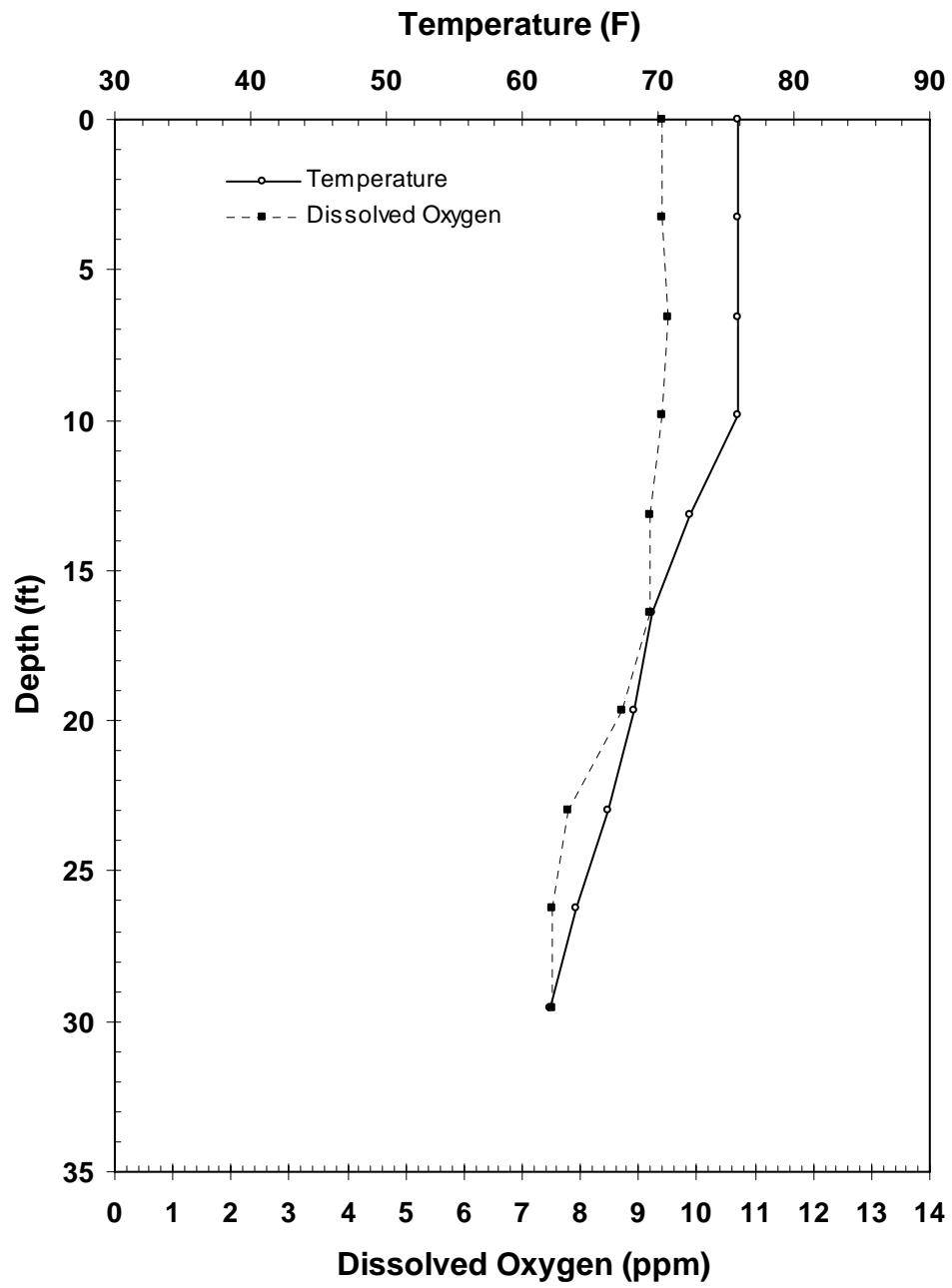


Figure A5. Boone Reservoir water quality data at SFHRM 19, August 2008.

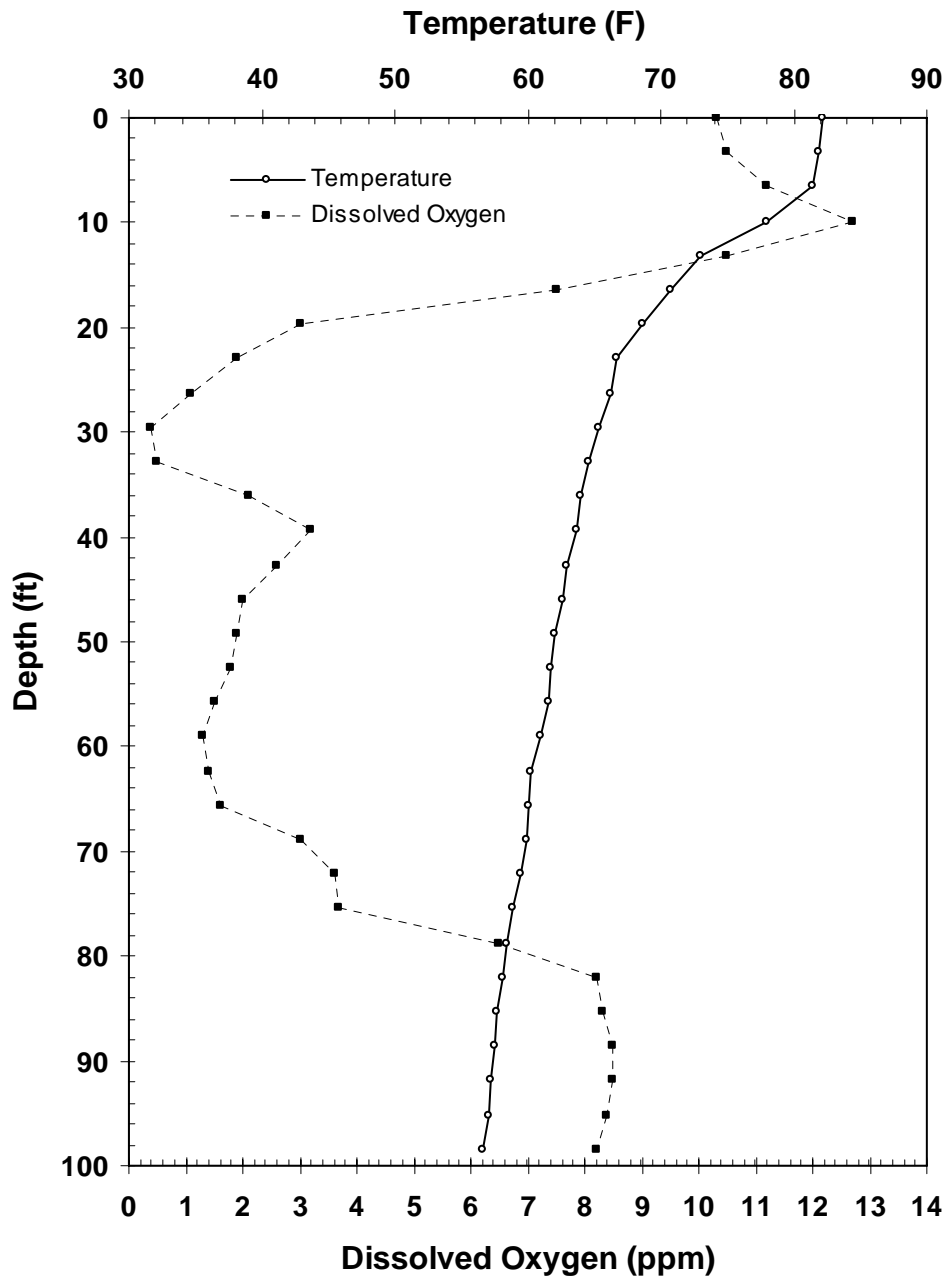


Figure A6. Boone Reservoir water quality data at SFHRM 26, August 2008.

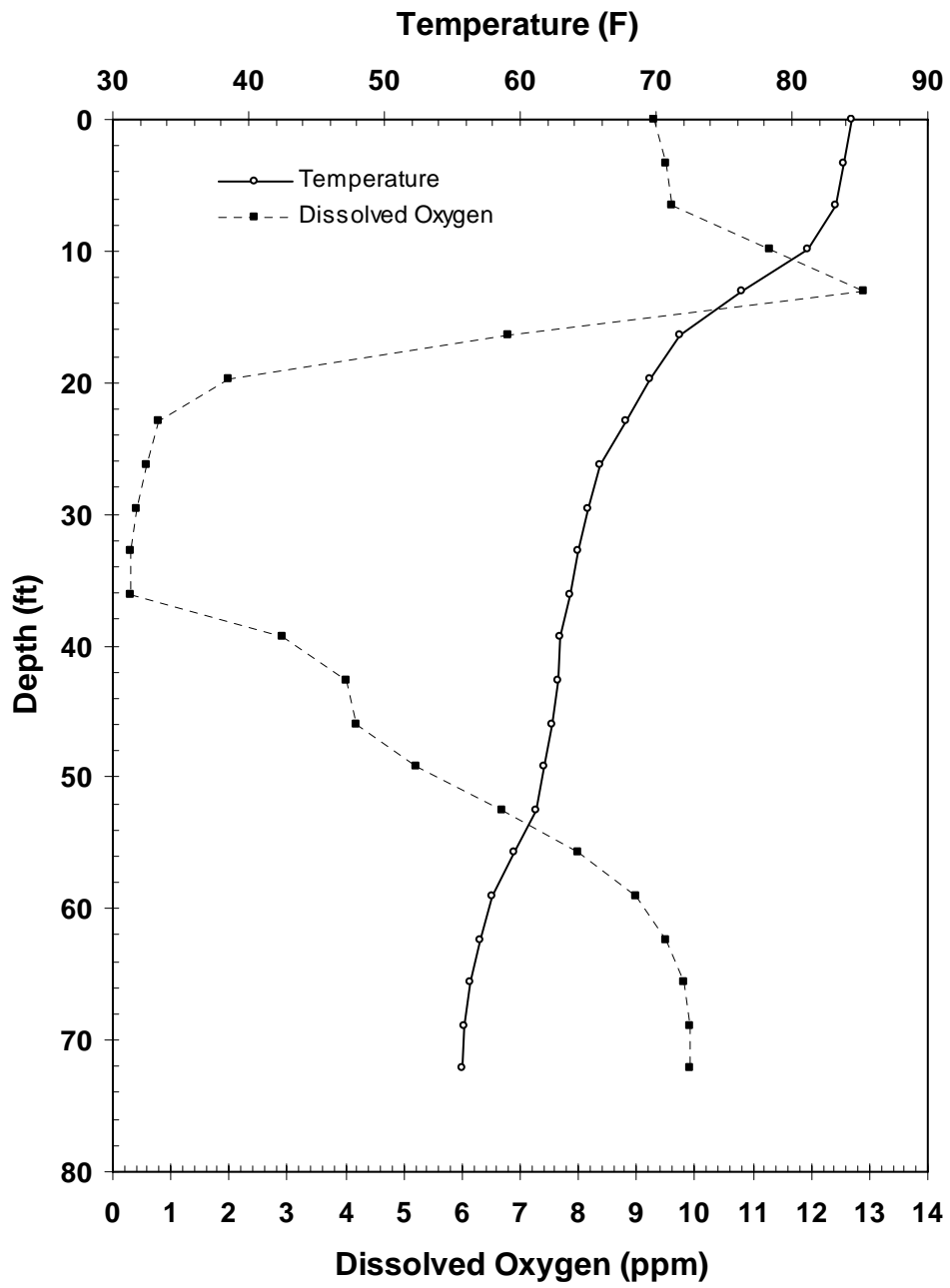


Figure A7. Boone Reservoir water quality data at WRM 6, August 2008.

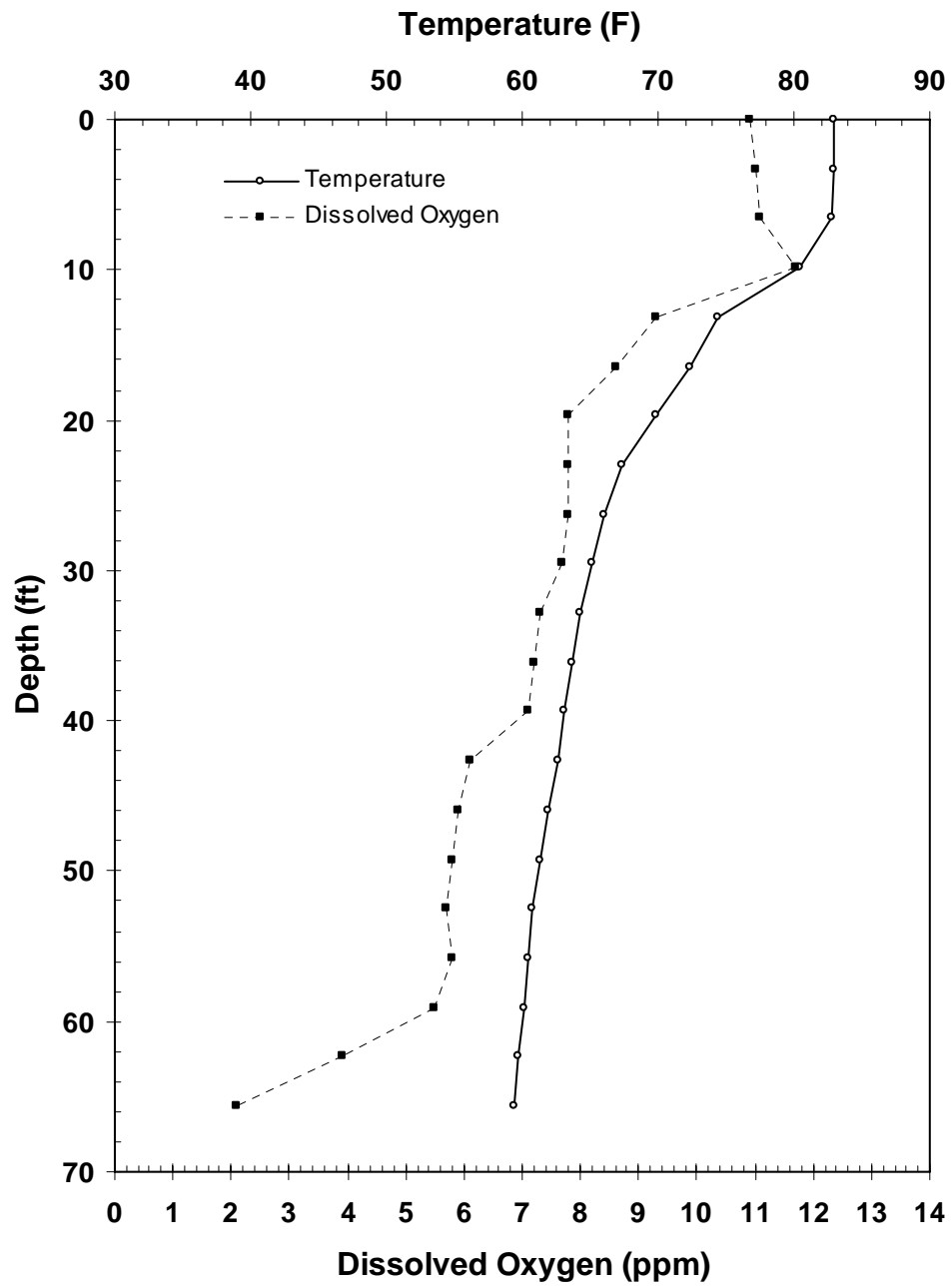


Figure A8. Boone Reservoir water quality data at WRM 11, August 2008.

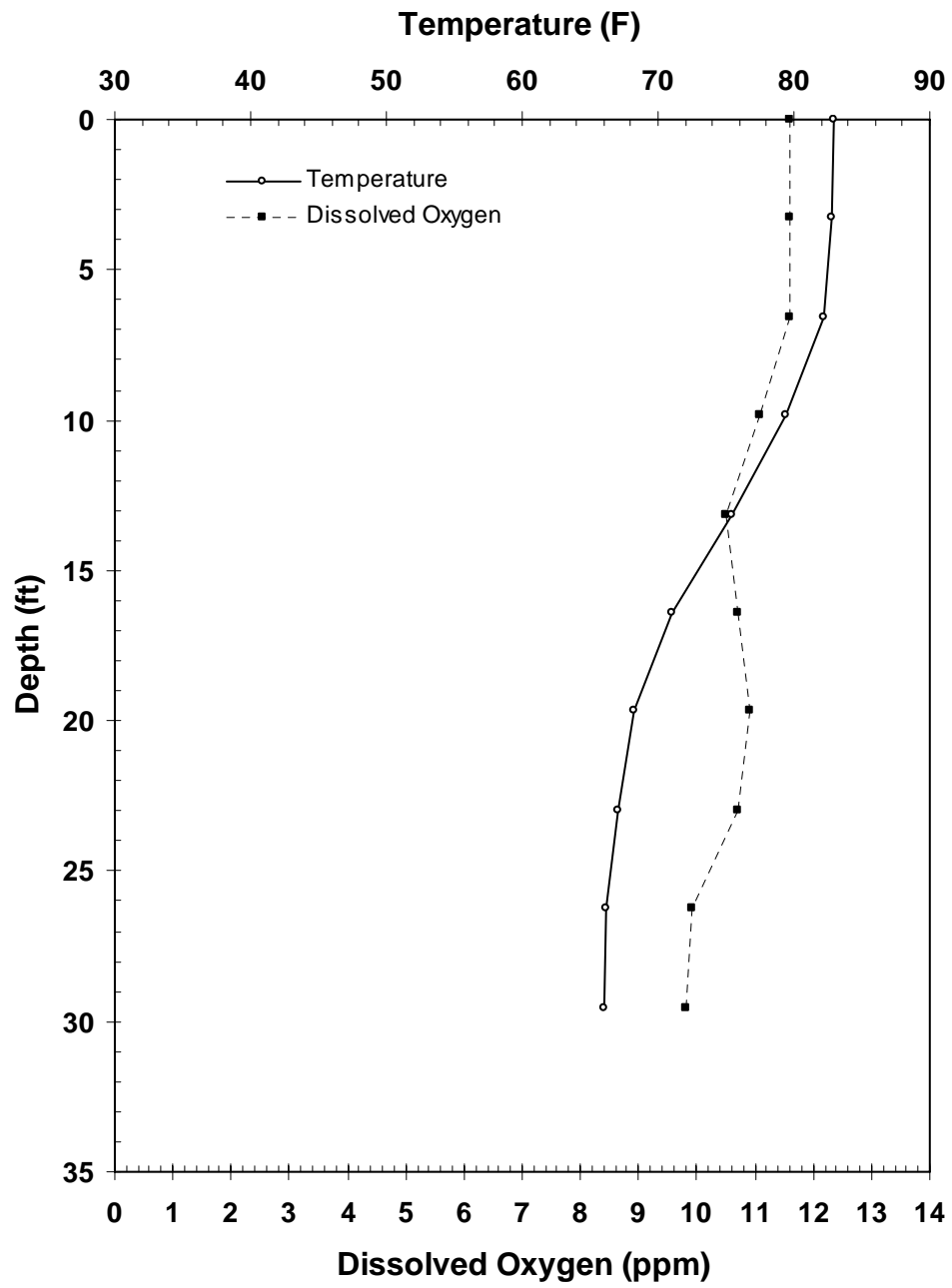


Figure A9. Boone Reservoir water quality data at SFHRM 19, Sept. 2008.

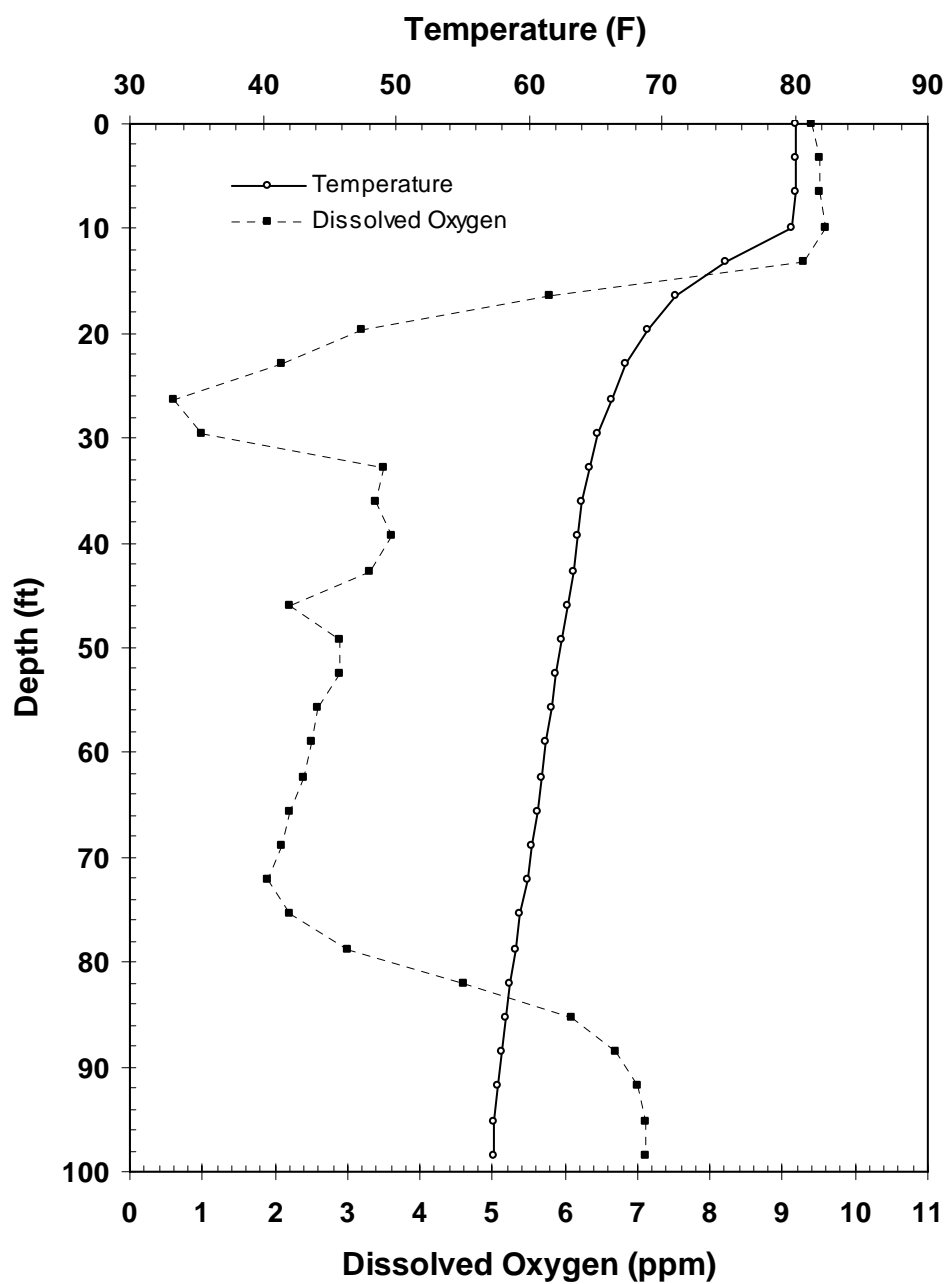


Figure A10. Boone Reservoir water quality data at SFHRM 26, Sept. 2008.

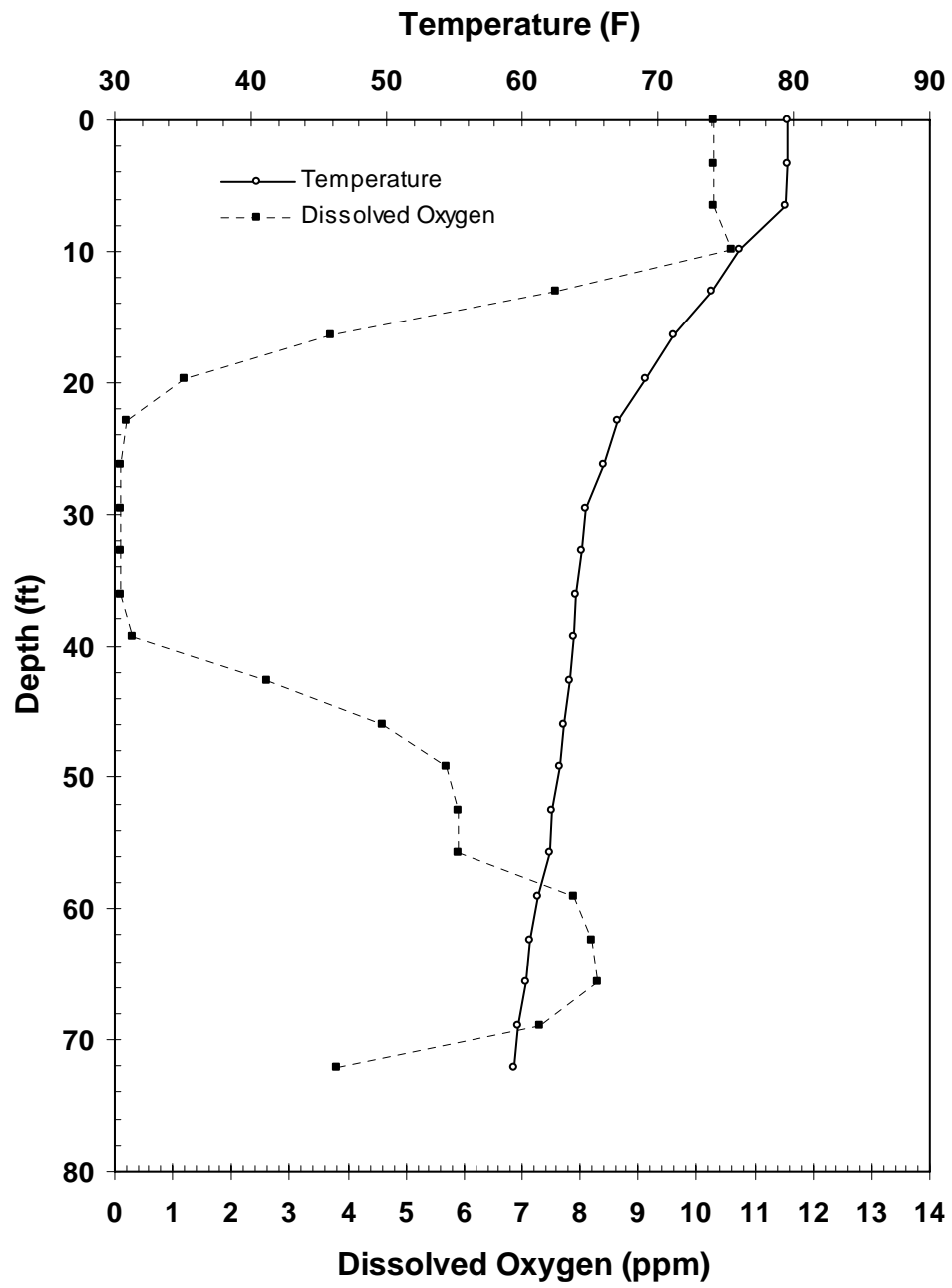


Figure A11. Boone Reservoir water quality data at WRM 6, Sept. 2008.

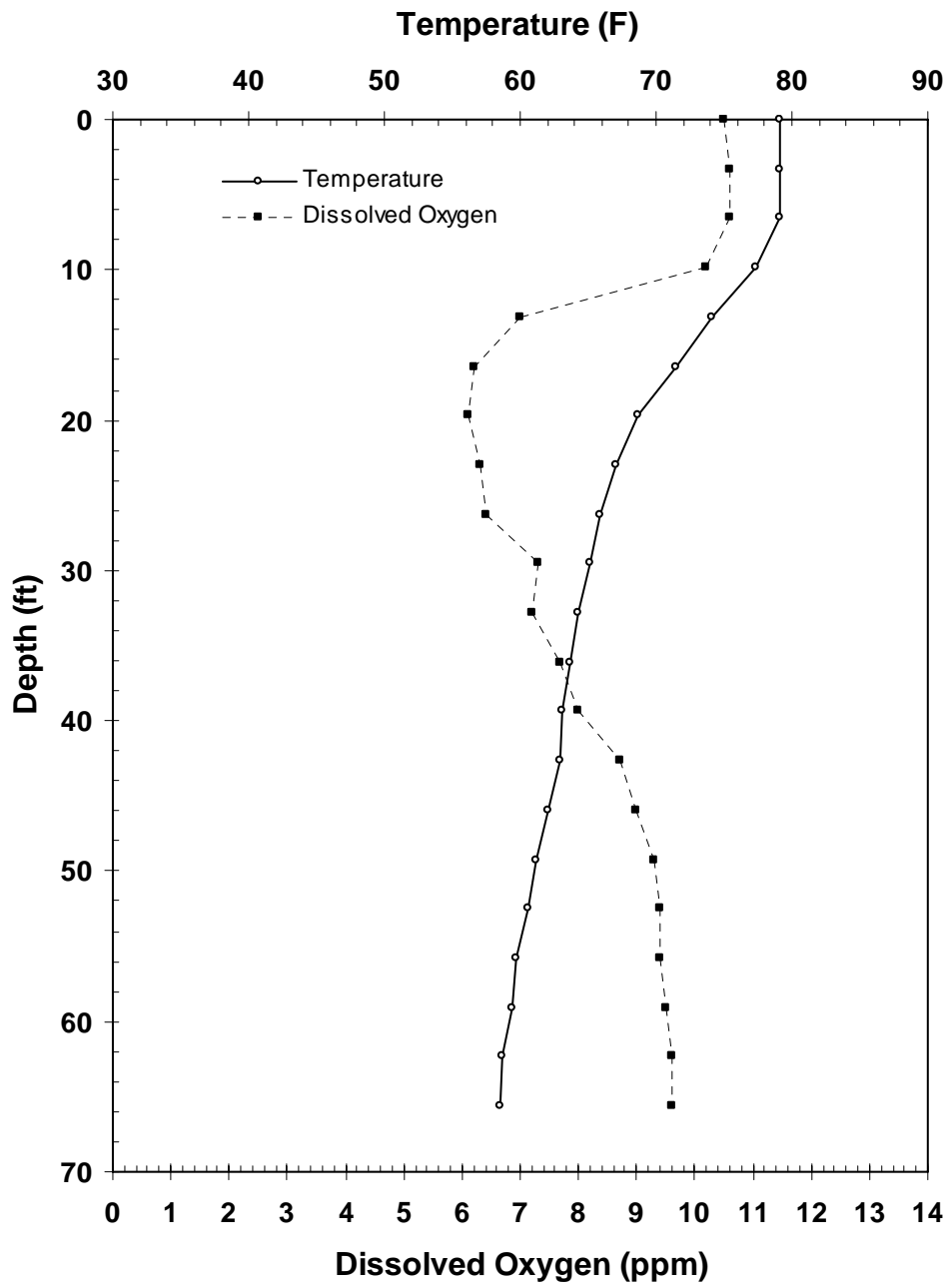
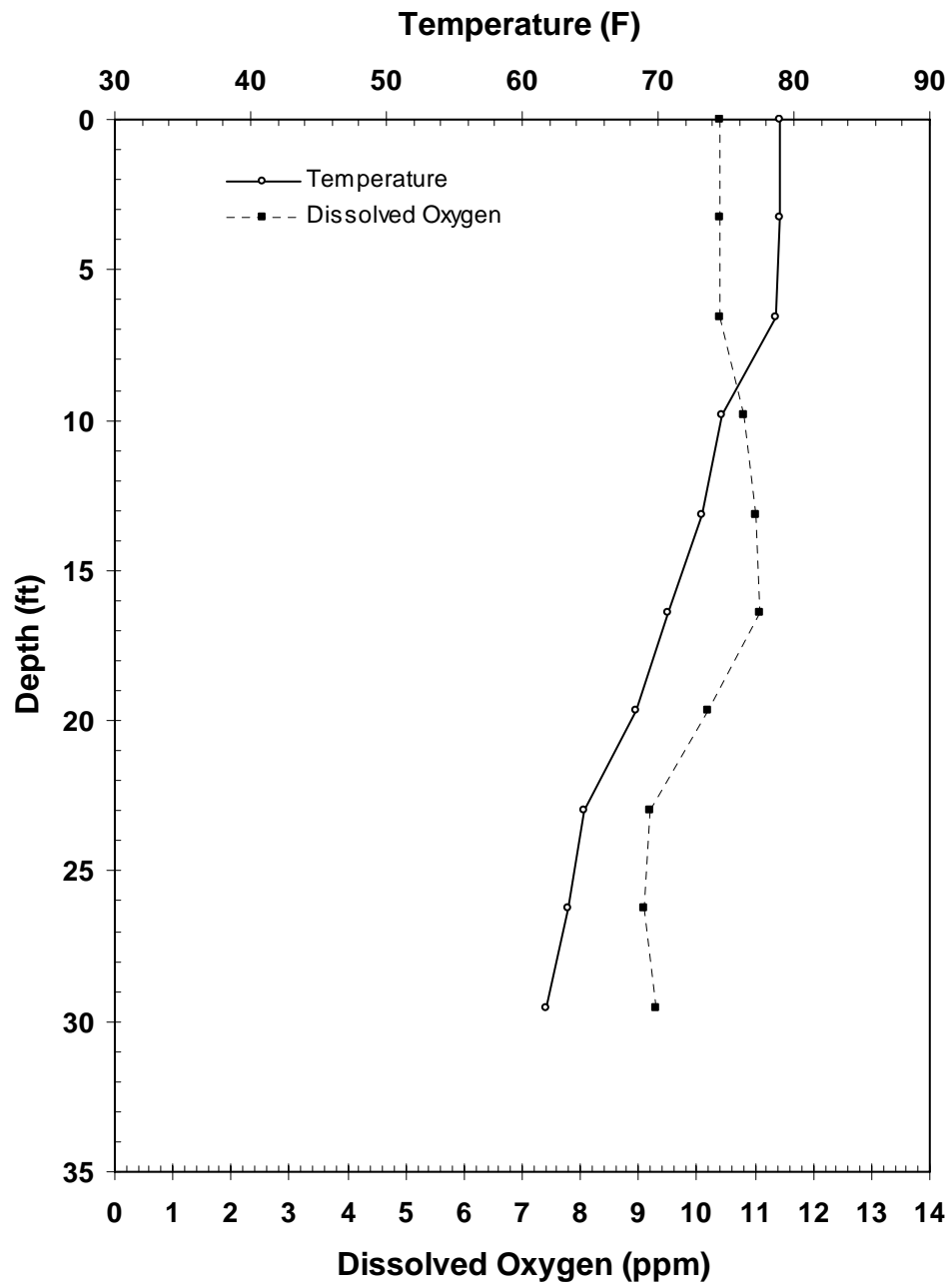


Figure A12. Boone Reservoir water quality data at WRM 11, Sept. 2008.



Appendix B
Reservoir Elevations

Table B1. Boone Reservoir elevation data for 2008. Data is courtesy of TVA.

Elevation	Month	Day	Elevation	Month	Day	Elevation	Month	Day
1362.29	January	1	1358.77	February	24	1370.19	April	18
1362.06	January	2	1358.80	February	25	1370.11	April	19
1361.90	January	3	1358.83	February	26	1370.11	April	20
1361.71	January	4	1359.05	February	27	1370.14	April	21
1361.23	January	5	1359.02	February	28	1370.24	April	22
1360.79	January	6	1359.00	February	29	1370.52	April	23
1360.54	January	7	1359.17	March	1	1370.60	April	24
1360.46	January	8	1359.43	March	2	1370.95	April	25
1360.36	January	9	1359.48	March	3	1370.99	April	26
1360.66	January	10	1360.52	March	4	1371.39	April	27
1361.92	January	11	1362.57	March	5	1372.44	April	28
1362.19	January	12	1363.41	March	6	1373.30	April	29
1361.94	January	13	1363.97	March	7	1373.56	April	30
1362.07	January	14	1364.37	March	8	1373.53	May	1
1361.68	January	15	1364.61	March	9	1373.70	May	2
1361.45	January	16	1364.79	March	10	1373.91	May	3
1361.25	January	17	1364.86	March	11	1374.09	May	4
1361.13	January	18	1364.97	March	12	1374.14	May	5
1360.81	January	19	1364.93	March	13	1374.12	May	6
1360.52	January	20	1364.76	March	14	1374.09	May	7
1360.12	January	21	1365.09	March	15	1374.04	May	8
1359.96	January	22	1365.88	March	16	1374.31	May	9
1359.58	January	23	1366.18	March	17	1374.36	May	10
1359.22	January	24	1366.47	March	18	1374.32	May	11
1358.93	January	25	1366.86	March	19	1374.50	May	12
1358.67	January	26	1367.47	March	20	1374.67	May	13
1358.33	January	27	1367.92	March	21	1374.87	May	14
1358.22	January	28	1368.14	March	22	1374.92	May	15
1358.09	January	29	1368.29	March	23	1375.25	May	16
1357.88	January	30	1368.45	March	24	1375.04	May	17
1358.12	January	31	1368.60	March	25	1375.14	May	18
1358.33	February	1	1368.59	March	26	1375.27	May	19
1358.00	February	2	1368.57	March	27	1375.67	May	20
1357.81	February	3	1368.58	March	28	1375.94	May	21
1358.01	February	4	1368.65	March	29	1376.36	May	22
1358.56	February	5	1368.66	March	30	1376.64	May	23
1359.40	February	6	1368.64	March	31	1376.75	May	24
1360.01	February	7	1368.58	April	1	1376.67	May	25
1360.30	February	8	1368.57	April	2	1376.81	May	26
1360.49	February	9	1368.85	April	3	1376.85	May	27
1360.48	February	10	1368.60	April	4	1376.91	May	28
1360.35	February	11	1368.78	April	5	1377.10	May	29
1360.23	February	12	1369.35	April	6	1377.39	May	30
1360.42	February	13	1369.64	April	7	1377.52	May	31
1360.21	February	14	1369.78	April	8	1377.62	June	1
1359.85	February	15	1369.92	April	9	1377.66	June	2
1359.79	February	16	1369.98	April	10	1377.80	June	3
1359.81	February	17	1370.09	April	11	1377.61	June	4
1359.58	February	18	1370.01	April	12	1377.70	June	5
1359.53	February	19	1369.97	April	13	1377.93	June	6
1359.67	February	20	1369.94	April	14	1377.96	June	7
1359.51	February	21	1370.21	April	15	1377.81	June	8
1359.23	February	22	1370.26	April	16	1377.99	June	9
1358.81	February	23	1370.28	April	17	1378.13	June	10

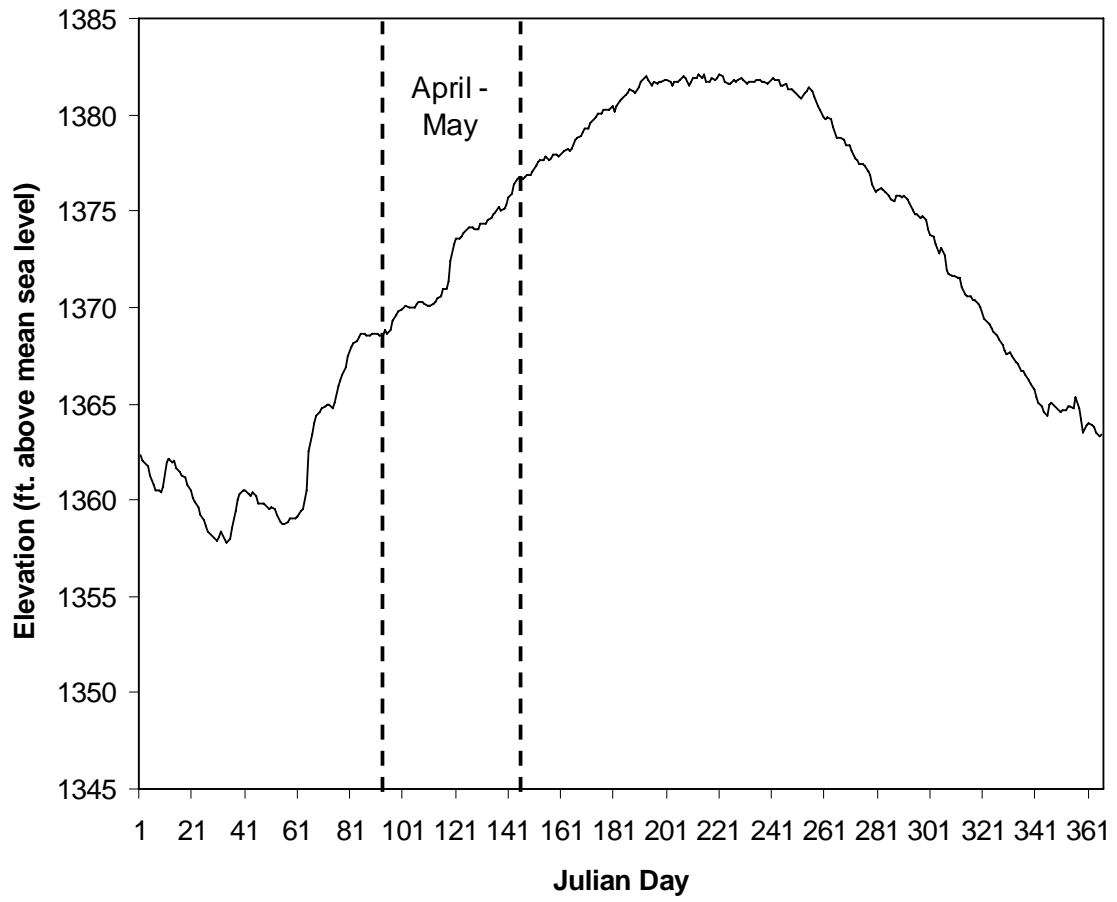
Table B1. Continued.

Elevation	Month	Day	Elevation	Month	Day	Elevation	Month	Day
1378.20	June	11	1381.71	August	4	1378.16	September	27
1378.13	June	12	1381.87	August	5	1377.75	September	28
1378.24	June	13	1381.81	August	6	1377.64	September	29
1378.66	June	14	1381.91	August	7	1377.45	September	30
1378.77	June	15	1382.08	August	8	1377.41	October	1
1378.91	June	16	1381.95	August	9	1377.37	October	2
1379.09	June	17	1381.66	August	10	1377.07	October	3
1379.25	June	18	1381.59	August	11	1376.82	October	4
1379.32	June	19	1381.57	August	12	1376.38	October	5
1379.62	June	20	1381.83	August	13	1376.01	October	6
1379.81	June	21	1381.75	August	14	1376.11	October	7
1379.83	June	22	1381.83	August	15	1376.17	October	8
1380.05	June	23	1381.89	August	16	1376.06	October	9
1380.08	June	24	1381.77	August	17	1375.95	October	10
1380.21	June	25	1381.61	August	18	1375.81	October	11
1380.30	June	26	1381.74	August	19	1375.58	October	12
1380.29	June	27	1381.69	August	20	1375.53	October	13
1380.41	June	28	1381.75	August	21	1375.77	October	14
1380.13	June	29	1381.79	August	22	1375.80	October	15
1380.49	June	30	1381.81	August	23	1375.69	October	16
1380.72	July	1	1381.71	August	24	1375.81	October	17
1380.87	July	2	1381.68	August	25	1375.65	October	18
1381.06	July	3	1381.62	August	26	1375.39	October	19
1381.17	July	4	1381.71	August	27	1375.01	October	20
1381.32	July	5	1381.91	August	28	1374.87	October	21
1381.23	July	6	1381.79	August	29	1374.80	October	22
1381.15	July	7	1381.80	August	30	1374.60	October	23
1381.41	July	8	1381.56	August	31	1374.72	October	24
1381.75	July	9	1381.48	September	1	1374.56	October	25
1381.93	July	10	1381.59	September	2	1374.09	October	26
1381.97	July	11	1381.31	September	3	1373.76	October	27
1381.84	July	12	1381.30	September	4	1373.65	October	28
1381.55	July	13	1381.20	September	5	1373.25	October	29
1381.66	July	14	1381.16	September	6	1372.79	October	30
1381.57	July	15	1380.93	September	7	1373.07	October	31
1381.71	July	16	1380.80	September	8	1372.67	November	1
1381.71	July	17	1381.11	September	9	1371.90	November	2
1381.76	July	18	1381.26	September	10	1371.77	November	3
1381.77	July	19	1381.41	September	11	1371.66	November	4
1381.74	July	20	1381.23	September	12	1371.67	November	5
1381.53	July	21	1380.93	September	13	1371.57	November	6
1381.72	July	22	1380.47	September	14	1371.52	November	7
1381.70	July	23	1380.27	September	15	1371.05	November	8
1381.83	July	24	1379.83	September	16	1370.66	November	9
1381.97	July	25	1379.78	September	17	1370.56	November	10
1381.87	July	26	1379.82	September	18	1370.59	November	11
1381.53	July	27	1379.73	September	19	1370.42	November	12
1381.68	July	28	1379.38	September	20	1370.39	November	13
1381.91	July	29	1378.83	September	21	1370.18	November	14
1381.93	July	30	1378.77	September	22	1369.97	November	15
1382.07	July	31	1378.83	September	23	1369.42	November	16
1381.93	August	1	1378.75	September	24	1369.29	November	17
1382.07	August	2	1378.41	September	25	1369.11	November	18
1381.73	August	3	1378.45	September	26	1368.92	November	19

Table B1. Continued.

Elevation	Month	Day
1368.70	November	20
1368.57	November	21
1368.30	November	22
1368.01	November	23
1367.73	November	24
1367.60	November	25
1367.64	November	26
1367.43	November	27
1367.19	November	28
1367.09	November	29
1366.72	November	30
1366.68	December	1
1366.47	December	2
1366.19	December	3
1366.03	December	4
1365.74	December	5
1365.35	December	6
1365.03	December	7
1364.85	December	8
1364.57	December	9
1364.39	December	10
1364.98	December	11
1365.08	December	12
1364.89	December	13
1364.73	December	14
1364.54	December	15
1364.66	December	16
1364.62	December	17
1364.87	December	18
1364.90	December	19
1364.75	December	20
1365.33	December	21
1364.80	December	22
1364.17	December	23
1363.50	December	24
1363.90	December	25
1364.03	December	26
1363.87	December	27
1363.78	December	28
1363.46	December	29
1363.34	December	30
1363.41	December	31

Figure B1. Boone Reservoir daily reservoir elevations for 2008 (TVA data).



Appendix C
Angler Creel Survey

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2008

LAKE=BOONE

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	4122	14.4	0.9	662	0.1	3.0
03 MARCH	19191	27.2	4.2	3319	0.7	13.9
04 APRIL	20389	22.8	4.5	3335	0.7	14.8
05 MAY	23861	29.0	5.3	4347	1.0	17.3
06 JUNE	28273	16.4	6.3	5987	1.3	20.5
07 JULY	22796	24.9	5.0	4562	1.0	16.5
08 AUGUST	19516	13.8	4.3	3837	0.8	14.1
TOTAL	138148			26049		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2008

LAKE=BOONE

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	660	31.4	0.16	28.2	41	52.3	0.01	83.2
03 MARCH	20151	32.0	1.05	16.2	3838	29.4	0.20	10.5
04 APRIL	9787	27.2	0.48	14.3	612	54.7	0.03	42.6
05 MAY	10260	32.4	0.43	14.0	1193	65.3	0.05	52.6
06 JUNE	39582	34.2	1.40	29.7	565	56.0	0.02	66.2
07 JULY	24392	33.8	1.07	22.1	1140	60.2	0.05	55.0
08 AUGUST	13661	22.1	0.70	17.0	976	57.0	0.05	54.2
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TOTAL	118493				8365			

SUMMARY OF SPECIES CATCH STATISTICS - 2008

LAKE=BOONE

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
CARP	51	1624.0	0.0	51	0		0.0	0	100.0		0
BLUE CATFISH	212	1101.1	0.2	106	96	651.3	1.1	0	54.7	6.25	1
CHANNEL CATFISH	1799	163.9	1.5	638	362	76.9	4.3	362	79.9	4.95	6
FLATHEAD CATFISH	306	746.3	0.3	122	190	208.4	2.3	95	37.9	12.70	4
RAINBOW TROUT	245	1055.8	0.2	245	0		0.0	0	100.0		0
BROWN TROUT	129	990.7	0.1	0	0		0.0	0	100.0		0
WHITE BASS	542	485.3	0.5	465	0		0.0	0	100.0		0
STRIPED BASS	7652	58.3	6.5	2870	432	59.9	5.2	299	94.4	16.16	13
CHEROKEE BASS	4618	73.8	3.9	1491	801	90.7	9.6	120	82.7	4.64	19
ROCK BASS	49	2294.6	0.0	0	0		0.0	0	100.0		0
GREEN SUNFISH	116	1938.8	0.1	116	0		0.0	0	100.0		0
WARMOUTH	1664	471.3	1.4	756	0		0.0	0	100.0		0
BLUEGILL	47326	24.4	40.1	34372	2189	47.1	26.2	1866	95.4	0.26	61
SMALLMOUTH BASS	19547	24.5	16.6	17955	706	45.6	8.4	380	96.4	2.62	13
SPOTTED BASS	1128	314.4	1.0	1062	0		0.0	0	100.0		0
LARGEMOUTH BASS	21202	23.0	18.0	19711	393	58.5	4.7	246	98.1	2.76	8
WHITE CRAPPIE	5769	62.8	4.9	5544	1728	48.9	20.7	1646	70.0	0.81	21
BLACK CRAPPIE	5129	76.4	4.3	4976	1154	79.9	13.8	1099	77.5	0.91	21
BLACKNOSE CRAPPIE	478	269.3	0.4	435	216	290.2	2.6	216	54.8	1.02	3

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2008

LAKE=BOONE

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	2421	34.0	493	1.8	0.20	86.5	0.14	141.9	9
ANY TROUT	118	141.2	23	0.1	0.35		0.00		1
ANY TEMPERATE BASS	327	56.3	53	0.2	0.07	114.3	0.00		2
STRIPED BASS	10954	16.8	2106	7.9	0.13	79.3	0.02	124.9	48
CHEROKEE BASS	2300	35.5	452	1.7	0.43	27.4	0.04	104.0	9
ANY SUNFISH	6985	20.5	1412	5.1	3.09	47.8	0.42	74.6	21
ANY BLACK BASS	84872	9.8	15903	61.4	0.34	16.3	0.00	145.5	384
SMALLMOUTH BASS	1127	43.0	199	0.8	0.38	14.9	0.00		9
LARGEMOUTH BASS	236	102.9	47	0.2	0.56		0.00		1
ANY CRAPPIE	8067	23.8	1391	5.8	1.28	60.1	0.39	66.2	36
ANY SPECIES	19721	14.4	3766	14.3	0.99	60.5	0.01	106.2	82
OTHER	1018	51.4	207	0.7	0.00		0.00		4
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TOTAL	138146		26052						

**SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2008**

LAKE=BOONE

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.02	0.00
	CHANNEL CATFISH	0.15	0.11
	FLATHEAD CATFISH	0.03	0.03
ANY TROUT	RAINBOW TROUT	0.35	0.00
	BROWN TROUT	0.00	0.00
ANY TEMPERATE BASS	STRIPED BASS	0.05	0.00
	CHEROKEE BASS	0.02	0.00
ANY SUNFISH	GREEN SUNFISH	0.01	0.00
	WARMOUTH	0.07	0.00
	BLUEGILL	3.01	0.42
ANY BLACK BASS			
ANY BLACK BASS			
ANY BLACK BASS			
	SMALLMOUTH BASS	0.21	0.00
	SPOTTED BASS	0.01	0.00
	LARGEMOUTH BASS	0.23	0.00
ANY CRAPPIE			
	WHITE CRAPPIE	0.65	0.22
	BLACK CRAPPIE	0.58	0.14
	BLACKNOSE CRAPPIE	0.05	0.03

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=BOONE

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	0.26	27
03 MARCH	5	0.32	2	0.35	37
04 APRIL	32	0.59	14	0.44	66
05 MAY	48	0.21	18	0.29	44
06 JUNE	7	0.70	6	0.32	60
07 JULY	6	0.20	6	0.37	63
08 AUGUST	8	0.11	5	0.30	45

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2008**

LAKE=BOONE

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	5980	7180	13160	9
ANY TROUT	580	470	1050	1
ANY TEMPERATE BASS	770	350	1120	2
STRIPED BASS	42810	35610	78420	48
CHEROKEE BASS	6240	15430	21670	9
ANY SUNFISH	7880	9900	14440	21
ANY BLACK BASS	304620	440360	744980	382
SMALLMOUTH BASS	12160	6030	18000	9
LARGEMOUTH BASS	2360	1180	3550	1
ANY CRAPPIE	20710	28330	49040	36
ANY SPECIES	43020	43370	86390	82
OTHER	1130	1920	3050	4
----- TOTAL	448260	590130	1034870	604

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2008

LAKE=BOONE

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	996	85.6
VA	105	9.0
OTHERS	62	5.3

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARTER	108	10.8
SULLIVAN	456	45.6
WASHINGTON	342	34.2
OTHERS IN TN	89	8.9
OUT-OF-STATE	4	0.4

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	958	82.3
B) 26-100	173	14.9
C) 101-250	20	1.7
D) > 250	13	1.1

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	644	99.5
B) VACATION	1	0.2
D) OTHER	2	0.3

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	626	96.9
B) 2-5	17	2.6
C) 6-10	3	0.5