

Bone Reservoir
Annual Report 2005

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Largemouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Fair	Sub-stock CPUE	Electrofishing	3.1 fish/hr
Growth*	Good	Mean TL at Age-3	Electrofishing	334 mm
	Good	RSD-P (381 mm)	Electrofishing	48%
Density	Good	CPUE \geq Stock Size (203 mm)	Electrofishing	55.7 fish/hr.
	Good	CPUE \geq Minimum Size Limit	Electrofishing	16.7 fish/hr.
Mortality*	Low	Total Mortality (Z)	Electrofishing	31%
Angling Pressure	Good	Fishing Effort (hours)	Creel Survey	62,545**
Fishing Success	Fair	Angler Catch Rate (#fish/hour)	Creel Survey	0.42**
Value of Fishery	Good	Trip Expenditures	Creel Survey	\$136,730**

* based on an age data set collected in 2005

** any black bass species

Fishery Forecast:

As usual, overall densities of largemouth bass in Boone were good. However, the percentages of smaller sized fish in the sample were higher than last year. These fish should grow into quality size to help ensure that the quality of the largemouth fishery remains good for the 2006 season. Sub-stock sized bass were collected this year indicating that reproduction occurred in 2004.

Management Recommendations:

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

Smallmouth Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Fair	Sub-stock CPUE	Electrofishing	2.3 fish/hr
Growth	Fair	Mean TL at Age-3	Electrofishing	296 mm*
	Fair	RSD-P (356 mm))	Electrofishing	25%
Density	Good	CPUE \geq Stock Size (178 mm)	Electrofishing	18.9 fish/hr.
	Fair	CPUE \geq Minimum Size Limit	Electrofishing	3.4 fish/hr.
Mortality**		Total Mortality (Z)	Electrofishing	N/A
Angling Pressure	Good	Fishing Effort (hours)	Creel Survey	62,545***
Fishing Success	Fair	Angler Catch Rate (#fish/hour)	Creel Survey	0.42***
Value of Fishery	Good	Trip Expenditures	Creel Survey	\$136,730***

* Based on an age data set collected in 1998

** Data set did not meet criteria for calculating mortality

*** any black bass species

Fishery Forecast:

Percentages of larger sized smallmouth bass were lower this year when compared to last year. Just as in largemouth, these fish should grow into more desirable sized fish for anglers, which should make a quality fishery in the 2006 season. Recruitment was noted in our electrofishing samples, which helps insure the future of the fishery.

Management Recommendations:

Maintain the current 15-inch (381 mm) minimum length limit. Continue to refine the smallmouth bass sampling strategy.

Black Crappie

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	N/A	Sub-stock CPUE	Electrofishing	N/A
Growth	N/A	Mean TL at Age-3	Electrofishing	N/A
	Good	RSD-P (254 mm)	Electrofishing	74%
Density	Excellent	CPUE > Stock Size (127 mm)	Electrofishing	20.4 fish/hr.
	Excellent	CPUE > Minimum size Limit	Electrofishing	13.3 fish/hr.
Mortality	N/A	Total Mortality (Z)	Electrofishing	N/A
Angling Pressure	Fair	Fishing Effort (hours)	Creel Survey	8,936*
Fishing Success	Poor	Angler Catch Rate (#fish/hour)	Creel Survey	0.16*
Value of Fishery	Fair	Trip Expenditures	Creel Survey	12,950*

* any crappie

Fishery Forecast:

The number of crappie collected in the electrofishing samples still continue to increase, which indicates that the fishery is improving. In fact, 2005 had some of the highest densities of black crappie ever recorded in Boone electrofishing samples with most of them being larger than the 254-mm size limit. The 2006 season should be good.

Management Recommendations:

1. Continue to refine sampling strategy for black crappie.
2. The stocking program may have been more successful than data collection efforts indicated. Boone may be a good candidate for a crappie-stocking program in the future.

Striped Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Poor	Substock CPUE	Gill Net	0.05 fish/net night
Growth*	Good	Mean TL at Age-3	Gill Net	669 mm
	Poor	RSD-P (762 mm)	Gill Net	0 %
Density	Fair	CPUE > Stock Size (305 mm)	Gill Net	0.6 fish/net night
	Good	CPUE > Minimum size Limit	Gill Net	1.0 fish/net night
Mortality**		Total Mortality (Z)	Gill Net	N/A
Angling Pressure	Fair	Fishing Effort (hours)	Creel Survey	9,898
Fishing Success	Poor	Angler Catch Rate (#fish/hour)	Creel Survey	0.05
Value of Fishery	Good	Trip Expenditures	Creel Survey	\$20,580

* Only two fish

** Data set did not meet criteria for calculating mortality

Fishery Forecast:

Striped bass are difficult to sample within the reservoir. However, the reservoir holds a good number of quality striped bass indicated by our sampling and creel surveys. Due to stocking efforts, the fishery should remain stable within the reservoir.

Management Recommendations:

1. Continue current stocking regime.
2. Maintain the current 2-fish, 15-inch (381 mm) minimum length limit.
3. Refine sampling strategies for collecting good numbers of striped bass.

Cherokee Bass

Population Parameter	Annual Rating	Measure	Gear	Value
Recruitment	Fair	Sub-stock CPUE	Gill Net	0.1 fish/net night
Growth	Good	Mean TL at Age-3	Gill Net	572 mm
	Good	RSD-P (381 mm)	Gill Net	53 %
Density	Good	CPUE > Stock Size (305 mm)	Gill Net	2.4 fish/net night
	Fair	CPUE > Minimum size Limit	Gill Net	1.2 fish/net night
Mortality*		Total Mortality (Z)	Gill Net	N/A
Angling Pressure	Fair	Fishing Effort (hours)	Creel Survey	1,061
Fishing Success	Fair	Angler Catch Rate (#fish/hour)	Creel Survey	0.13
Value of Fishery	Fair	Trip Expenditures	Creel Survey	\$2,140

* Data set did not meet criteria for calculating mortality

Fishery Forecast:

Cherokee bass are also difficult to sample in the reservoir and just like striped bass, Boone Reservoir holds good numbers of quality sized Cherokee bass indicated by sampling efforts and creel surveys. Growth rates are good in the reservoir which helps produce quality fish at an early age. 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.

Stocking and Stocking Evaluations

Species	Number Stocked	Mark	Evaluation	# Fish / Net Night
Striped Bass	11,991	None	Gill Netting	Total CPUE = fish/net night.
Cherokee Bass	16,410	None	Gill Netting	Total CPUE = fish/net night

Habitat Enhancement and Monitoring

Type of Work	Details	Date
Shoreline Stabilization		None in 2005
Shoreline Seeding		"
Aquatic Plants		"
Fish Attractors (Shallow Water)		"
Fish Attractors (Deep Water)		"
Smallmouth Spawning Benches		"
Stake Beds		"
Water Quality Monitoring	Temperature, pH, Conductivity, and D.O.	July, August, September

Tables

Table 1. The morphometric, physical, and chemical characteristics of Boone Reservoir.

Parameter	Measurement	
	<i>English</i>	<i>Metric</i>
Surface Area	4,520 ac	1,829 ha
Drainage Area	1,840 sq. mi	4,769 sq. km
Full Pool Elevation	1,384 ft msl	422 m msl
Mean Annual Fluctuation	54 feet	16.5 m
Shoreline Distance	127 mi	204.4 km
Maximum Depth	122 ft	37.2 m
Thermocline Depth	7 ft	2.1m
Mean Chlorophyll (Forebay)	10.8 ppm	10.8 mg/l
Shoreline Development		13%
Trophic Status (Forebay)		Mesotrophic
Trophic Index, Carlson (1977)		53.9
Hydraulic Retention Time		38 days
Reservoir Age		52 years

Table 2. Fish stocked in Boone Reservoir 1995-2005.

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
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
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

Table 3. Number of species collected by gear type in Boone Reservoir, 2004. 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	208	34.4	3.5 hrs.
Smallmouth Bass	X	X	X	75	11.6	3.5 hrs.
Spotted Bass	X	X	X	1	0.3	3.5 hrs.
Black Crappie	X	X	X	72	10.7	3.5 hrs.
Black-Nose Crappie	X	X	X	2	0.6	3.5 hrs.
White Crappie	X	X	X	0	0	3.5 hrs.
Walleye	X	X	X	0	0	3.5 hrs.
Sauger	X	X	X	X	X	X
White Bass	X	X	X	0	0	3.5 hrs.
Channel Catfish	X	X	X	X	X	X
Gizzard Shad	704	35.2	20	X	X	X
Alewife	223	11.15	20	X	X	X
Striped Bass	13	0.65	20	X	X	X
Cherokee Bass	49	2.5	20	X	X	X
Bluegill	X	X	X	X	X	X

X = this type of data not collected with this method

Table 4. Black bass catch; mean catch per unit effort and relative stock density by RSD category for Boone Reservoir 1998 – 2005.

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	89	208	34.4
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	64	75	11.6

Table 5. Striped bass and Cherokee bass catch; mean catch per unit effort and relative stock density by RSD category in Boone Reservoir 2005.

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
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
Bass	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

Table 6. Largemouth bass mean relative weights (Wr) in Boone Reservoir, spring 2005.

Length Group	Mean Wr	Std. Error	N
150	87.9	9.4	6
175	86.1	5.7	2
200	83.6	7.4	2
225	113.4	19.6	10
250	86.0	2.5	9
275	79.0	4.6	6
300	88.2	1.5	13
325	86.3	1.2	30
350	88.2	1.5	25
375	85.0	1.4	31
400	88.5	1.5	19
425	95.0	1.4	19
450	94.3	1.6	18
475	92.3	1.5	12
500	99.3		1
525	100.2	5.1	2
Total =			205

Table 7. Smallmouth bass mean relative weights in Boone Reservoir, spring 2005.

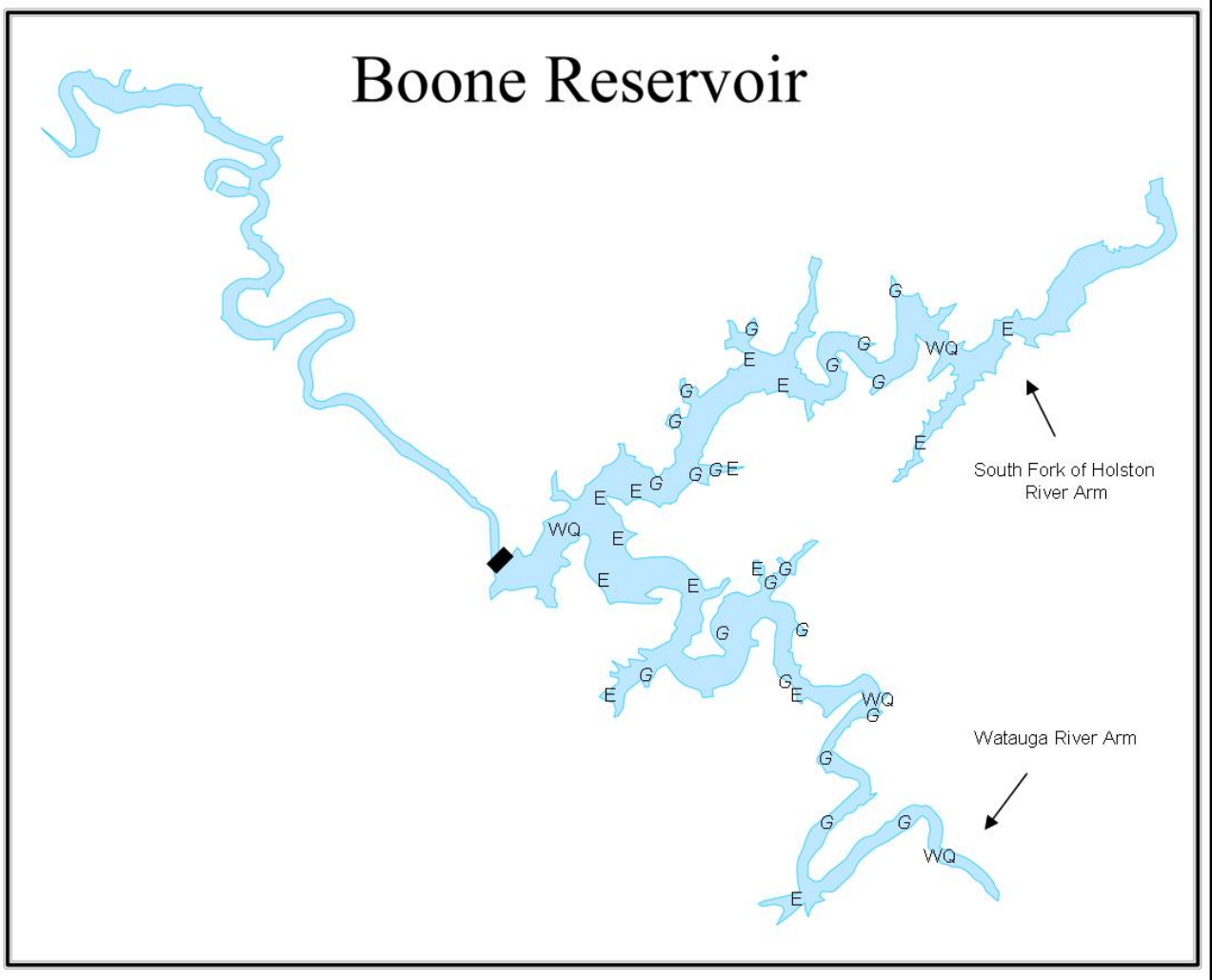
Length Group	Mean Wr	Std. Error	N
150	87.8	3.9	3
175	86.0	5.7	6
200	86.4	2.7	13
225	87.3	3.5	7
250	83.3	3.2	5
275	83.6	1.6	12
300	78.6	3.1	4
325	76.2	2.3	5
350	86.2	9.1	2
375	78.1	1.9	4
400	79.7	2.5	3
425	85.3		1
450	84.8	1.1	4
475	77.7	5.1	3
500			0
525			0
550			0
Total =			72

Table 8. Geometric mean density of the clupeid catch in experimental gill nets from South Holston and Boone Reservoirs 2001 - 2005.

Reservoir	Species	2001	2002	2003	2004	2005
South Holston	Threadfin Shad	9.4	29.7	5.5	4	3.9
	Gizzard Shad	4.2	3.2	4	2.2	3.1
	Alewife	42.4	3.5	8.2	1.8	0.2
Boone	Threadfin Shad	2.5	22.2	0.03	1.5	15.9
	Gizzard Shad	46.1	32.7	14.4	42.3	26.1
	Alewife	52.3	4.6	107.3	2.9	2.4

Figures

Figure 1. Sites sampled on Boone Reservoir in 2005.



E = Electrofishing
G = Gill Netting
WQ = Water Quality

Largemouth Bass

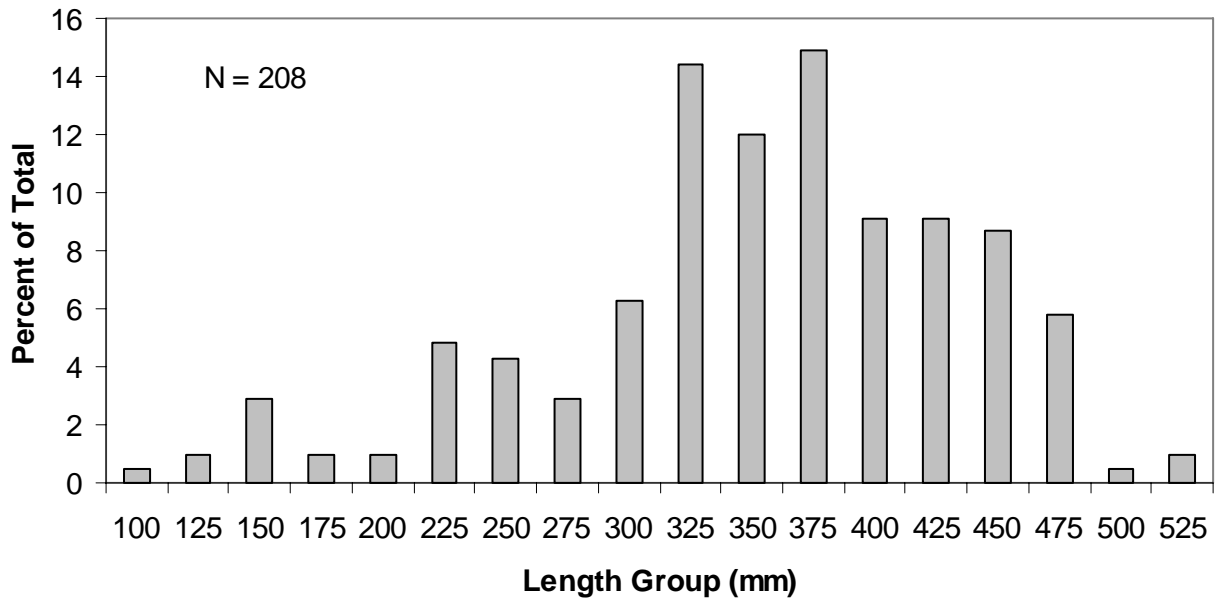


Figure 2. Largemouth bass length frequency by percent in Boone Reservoir, spring 2005.

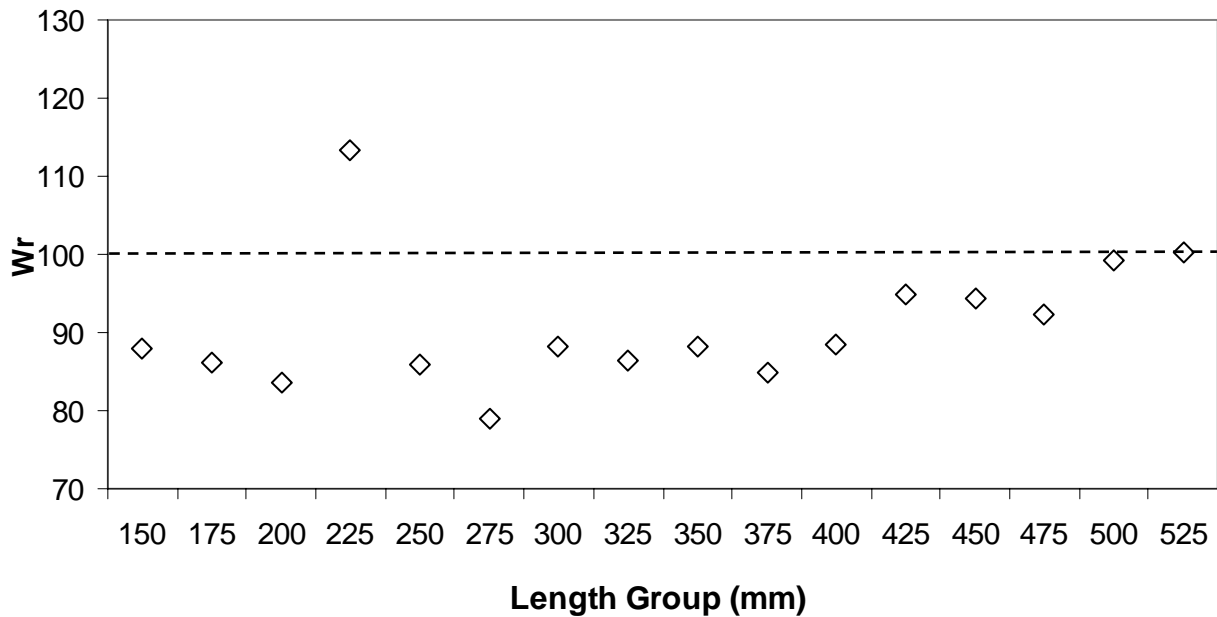


Figure 3. Largemouth bass mean relative weights (Wr) in Boone Reservoir, spring 2005.

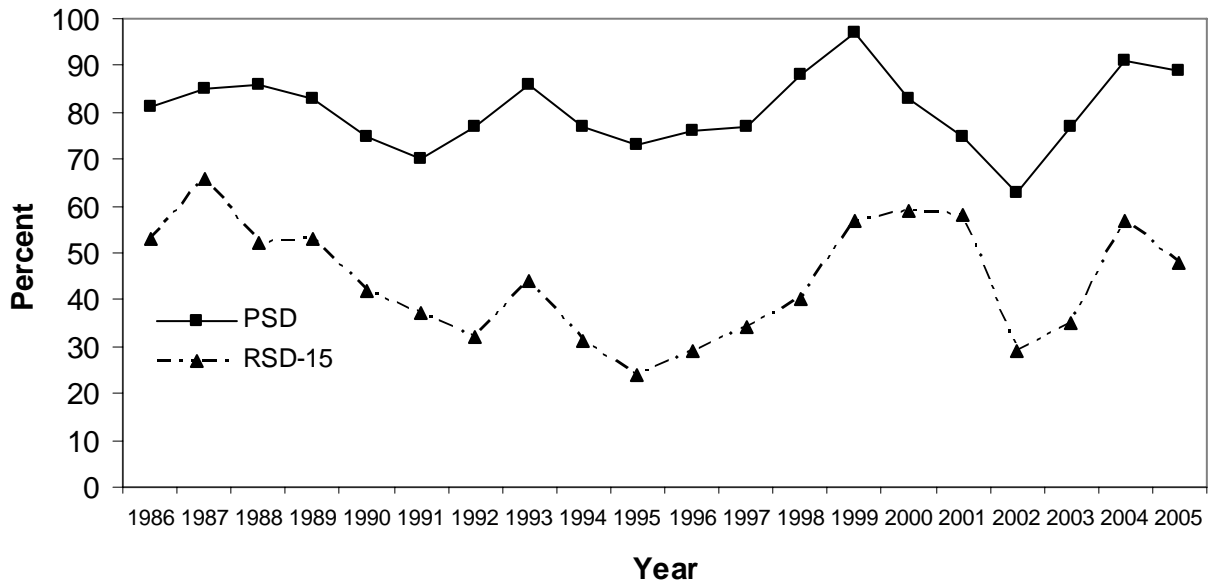


Figure 4. Largemouth bass traditional PSD and RSD-15 values in Boone Reservoir 1986 – 2005.

Smallmouth Bass

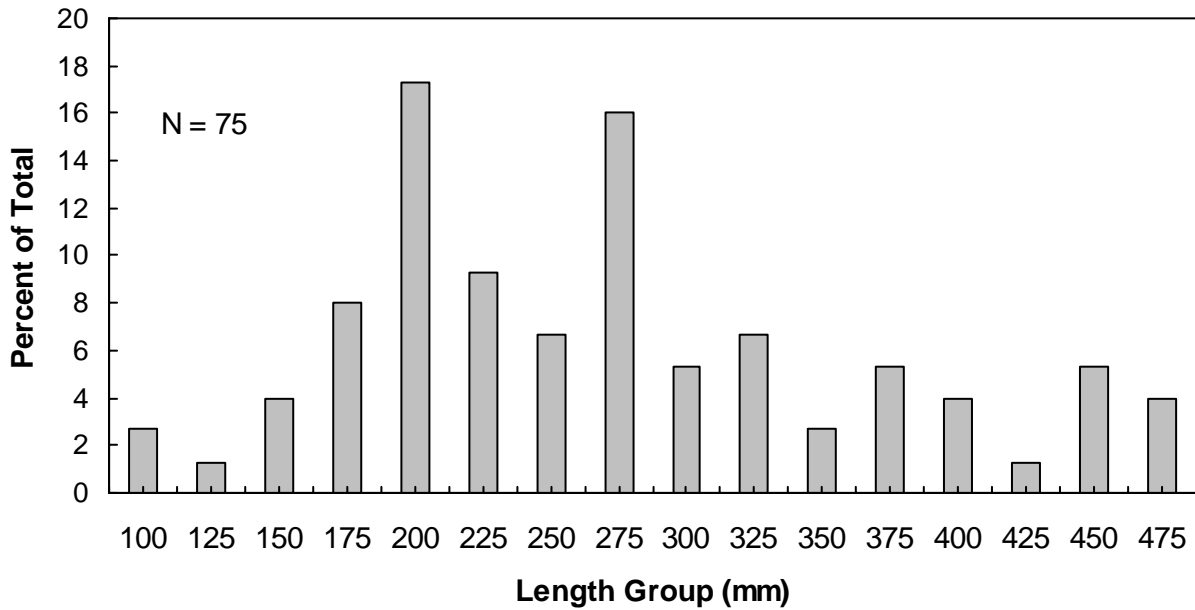


Figure 5. Smallmouth bass length frequency by percent in Boone Reservoir, spring 2005.

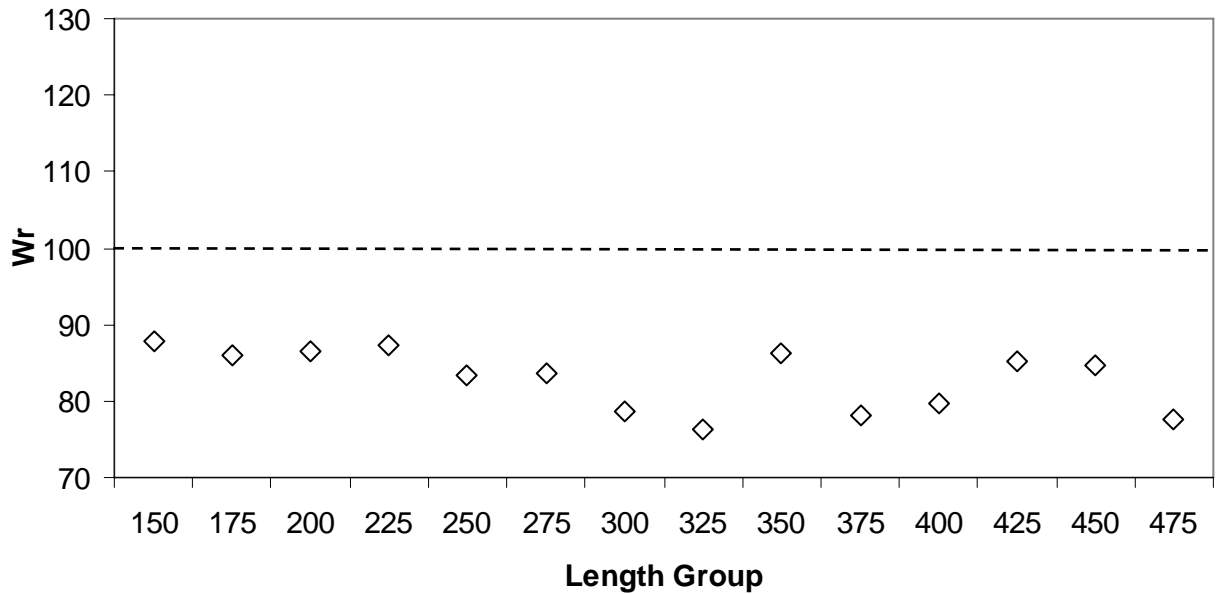


Figure 6. Smallmouth bass mean relative weights (Wr) in Boone Reservoir, spring 2005.

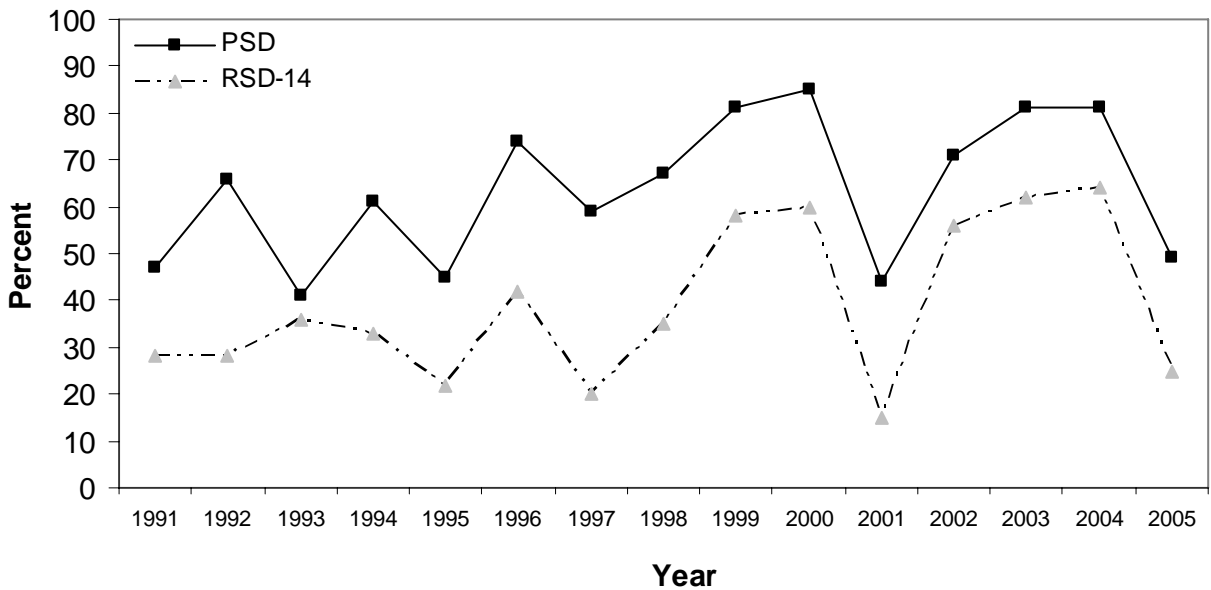


Figure 7. Smallmouth bass traditional PSD and RSD-14 values in Boone Reservoir 1991 – 2005.

Striped Bass

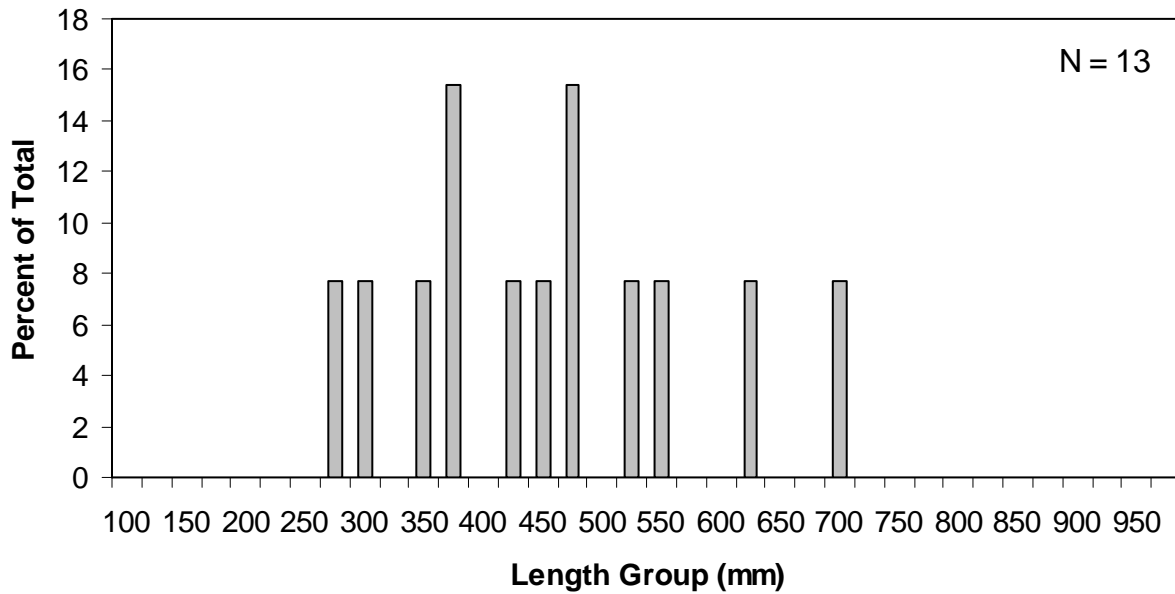


Figure 8. Striped bass length frequency in Boone Reservoir, summer 2005

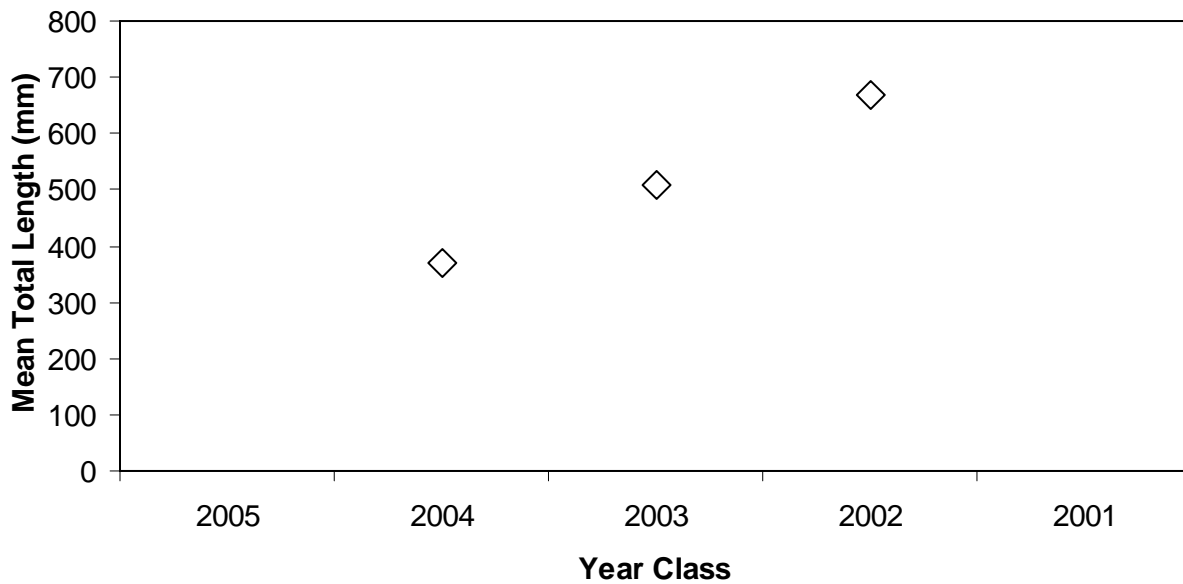


Figure 9. Striped Bass mean length at age in Boone Reservoir, September 2005.

Cherokee Bass

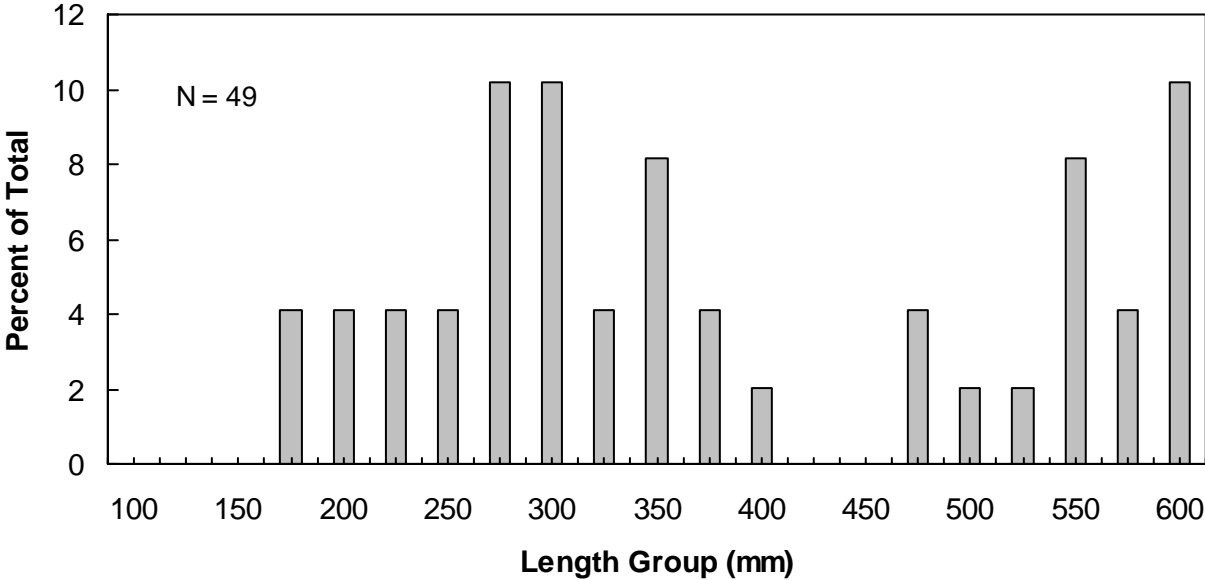


Figure 10. Cherokee bass length frequency by percent in Boone Reservoir, Summer 2005.

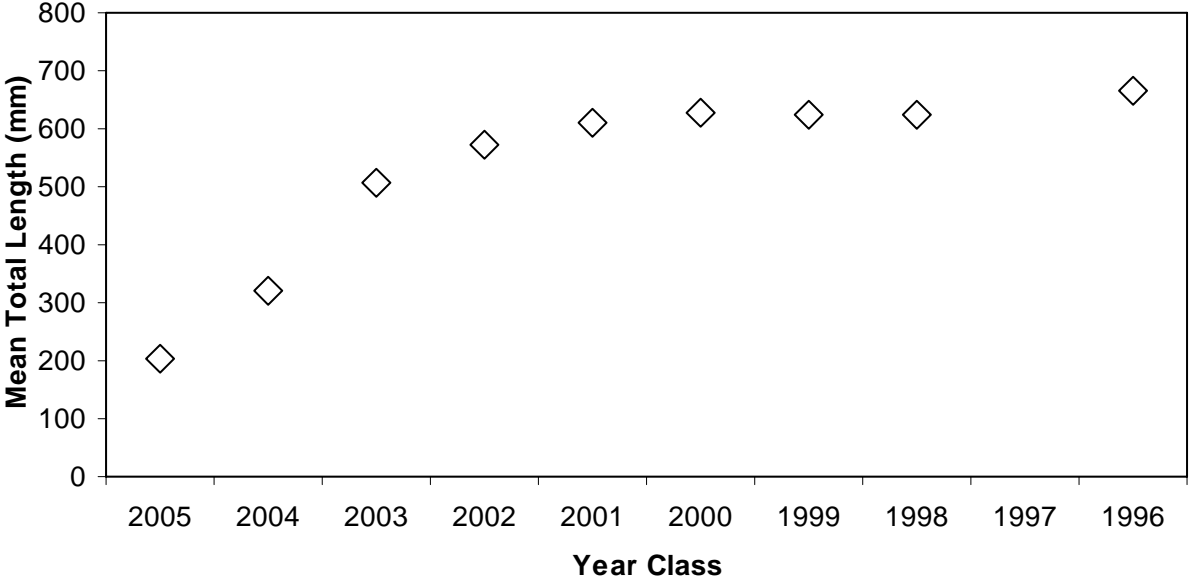


Figure 11. Cherokee Bass mean length at age in Boone Reservoir, September 2005.

Clupeid Species

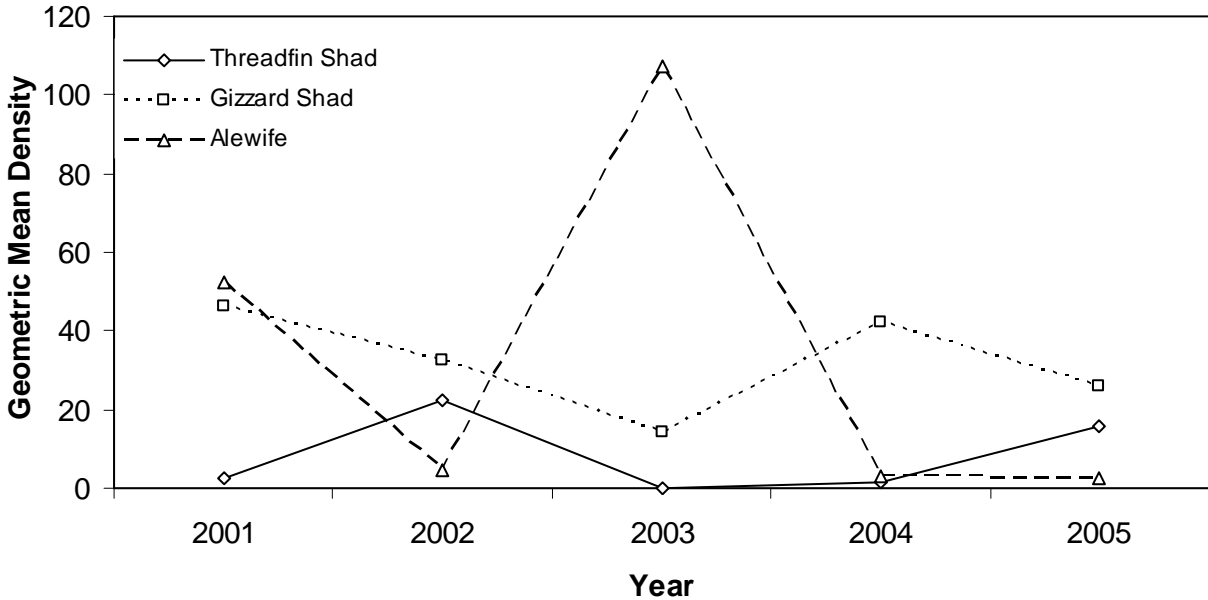


Figure 12. Geometric mean density of the clupeid catches in experimental gill nets from Boone Reservoir 2001 - 2005

Appendix A
Water Quality

Table A1. Boone Reservoir, water quality data at SFHRM 19, July 19, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	28.5	227	8.9	SFHRM19	2.0	1522
1	27.8	227	8.9			
2	27.3	225	8.9			
3	26.6	231	9.0			
4	23.9	252	8.8			
5	22.0	248	8.3			
6	20.7	232	8.0			
7	19.6	222	7.9			
8	18.9	215	7.8			
9	18.3	209	7.7			
10	18.0	204	7.7			
11	17.7	203	7.6			
12	17.4	202	7.6			
13	17.2	201	7.6			
14	17.0	202	7.5			
15	16.8	205	7.5			
16	16.6	214	7.5			
17	16.3	239	7.5			
18	16.2	249	7.5			
19	16.1	267	7.5			
20	16.0	287	7.5			
21	15.8	282	7.5			
22	15.6	277	7.5			
23	15.4	266	7.5			
24	15.1	238	7.6			
25	14.8	214	7.5			
26	14.6	223	7.5			
27	14.4	213	7.5			
28	14.2	194	7.5			
29	14.0	191	7.4			
30	14.0	211	7.4			

Table A2. Boone Reservoir, water quality data at SFHRM 26, July 19, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	29.3	247	8.8	SFHRM26	1.4	1435
1	28.4	247	8.8			
2	27.8	249	8.8			
3	25.6	307	8.4			
4	23.8	356	8.0			
5	21.8	363	7.6			
6	20.5	343	7.5			
7	19.8	322	7.5			
8	19.1	299	7.6			
9	18.7	315	7.5			
10	18.3	322	7.5			
11	17.9	325	7.5			
12	17.7	322	7.6			
13	17.5	321	7.6			
14	17.3	319	7.6			
15	17.1	316	7.6			
16	16.8	311	7.6			
17	16.5	304	7.7			
18	16.3	301	7.7			
19	16.0	300	7.7			
20	15.7	297	7.7			
21	15.2	296	7.7			
22	Bottom					
23						
24						
25						
26						
27						
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29						
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Table A3. Boone Reservoir, water quality data at WRM 6, July 19, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	28.5	210	9.0	WRM6	1.5	1140
1	28.0	210	9.0			
2	27.5	210	9.0			
3	26.5	232	8.7			
4	24.2	230	8.4			
5	22.2	222	8.1			
6	20.6	211	8.0			
7	19.9	206	8.0			
8	19.2	201	7.9			
9	18.7	198	7.9			
10	18.0	194	7.9			
11	17.7	192	7.8			
12	17.4	190	7.8			
13	17.0	189	7.7			
14	16.7	186	7.6			
15	16.5	184	7.6			
16	16.3	180	7.6			
17	15.9	176	7.6			
18	15.8	178	7.5			
19	15.8	180	7.5			
20	Bottom					
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23						
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Table A4. Boone Reservoir, water quality data at WRM 11, July 19, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	27.6	208	8.8	WRM11	1.0	1210
1	27.3	208	8.8			
2	26.8	209	8.7			
3	24.6	206	8.4			
4	22.2	222	8.1			
5	21.6	206	8.1			
6	20.6	204	8.0			
7	20.2	203	8.0			
8	19.5	214	7.8			
9	17.4	207	7.8			
10	Bottom					
11						
12						
13						
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Table A5. Boone Reservoir, water quality data at SFHRM 19, August 4, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	30.7	233	8.7	SFHRM19	1.5	1530
1	29.9	233	8.7			
2	29.3	232	8.7			
3	28.9	231	8.7			
4	26.0	250	8.6			
5	23.6	264	8.3			
6	22.3	254	7.6			
7	20.8	248	7.4			
8	20.1	224	7.3			
9	19.6	223	7.2			
10	19.3	213	7.2			
11	18.8	214	7.1			
12	18.6	212	7.0			
13	18.3	212	7.0			
14	18.1	208	7.0			
15	17.9	236	7.0			
16	17.6	250	7.0			
17	17.5	252	7.1			
18	17.2	241	7.0			
19	17.0	221	7.0			
20	16.8	259	7.0			
21	16.5	235	7.0			
22	16.4	263	7.0			
23	16.1	241	7.0			
24	16.0	255	7.0			
25	15.9	255	7.0			
26	15.6	241	7.0			
27	15.5	244	6.9			
28	15.4	256	6.9			
29	15.3	268	6.9			
30	15.1	250	7.0			

Table A6. Boone Reservoir, water quality data at SFHRM 26, August 4, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	30.2	267	8.5	SFHRM26	1.5	1445
1	29.1	264	8.5			
2	28.8	263	8.5			
3	27.5	284	8.4			
4	25.2	250	7.9			
5	23.7	369	7.3			
6	22.6	368	7.2			
7	21.0	326	7.2			
8	20.2	299	7.1			
9	19.7	311	7.0			
10	19.4	319	7.1			
11	19.0	345	7.2			
12	18.7	341	7.2			
13	18.4	330	7.2			
14	18.1	323	7.2			
15	17.8	314	7.0			
16	17.6	310	7.1			
17	17.4	306	7.2			
18	17.3	305	7.3			
19	16.3	291	7.3			
20	15.6	285	7.2			
21	14.7	281	7.6			
22	Bottom					
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Table A7. Boone Reservoir, water quality data at WRM 6, August 4, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	30.2	212	8.8	WRM6	1.5	1615
1	29.4	212	8.8			
2	28.7	214	8.7			
3	26.7	246	8.4			
4	24.0	231	7.7			
5	22.2	220	7.5			
6	21.4	213	7.4			
7	20.7	209	7.4			
8	20.0	205	7.4			
9	19.4	203	7.3			
10	19.0	200	7.3			
11	18.6	197	7.2			
12	18.3	194	7.2			
13	18.1	191	7.2			
14	17.9	188	7.2			
15	17.7	188	7.2			
16	17.5	184	7.2			
17	17.2	185	7.1			
18	17.0	185	7.1			
19	16.8	184	7.0			
20	16.7	185	7.0			
21	Bottom					
22						
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Table A8. Boone Reservoir, water quality data at WRM 11, August 4, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	30.6	211	8.9	WRM11	1.1	1645
1	30.2	212	8.9			
2	28.7	211	8.9			
3	26.7	214	8.6			
4	24.7	220	8.3			
5	22.2	212	8.2			
6	18.0	181	7.9			
7	16.6	171	7.7			
8	16.2	166	7.6			
9	16.0	164	7.6			
10	Bottom					
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Table A9. Boone Reservoir, water quality data at SFHRM 19, September 7, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	25.7	252	8.9	SFHRM19	1.6	1125
1	25.7	253	8.9			
2	25.5	255	8.9			
3	25.5	255	8.9			
4	25.1	254	8.8			
5	22.5	248	8.4			
6	21.5	240	7.9			
7	20.6	240	7.8			
8	19.8	227	7.7			
9	19.3	215	7.5			
10	18.9	208	7.4			
11	18.6	203	7.4			
12	18.2	202	7.3			
13	17.9	200	7.3			
14	17.8	199	7.3			
15	17.6	198	7.3			
16	17.5	205	7.3			
17	17.3	222	7.2			
18	17.2	225	7.3			
19	17.0	221	7.2			
20	16.8	236	7.2			
21	16.7	254	7.3			
22	16.5	249	7.3			
23	16.3	235	7.2			
24	16.2	243	7.2			
25	16.1	263	7.3			
26	15.9	251	7.3			
27	15.8	260	7.3			
28	15.7	261	7.3			
29	15.6	265	7.3			
30	15.5	267	7.3			

Table A10. Boone Reservoir, water quality data at SFHRM 26, September 7, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	25.3	292	8.7	SFHRM26	1.4	1045
1	25.3	293	8.7			
2	25.1	294	8.7			
3	25.1	294	8.7			
4	24.8	300	8.6			
5	23.3	322	8.0			
6	21.6	300	7.7			
7	20.6	278	7.7			
8	19.9	276	7.7			
9	19.9	285	7.7			
10	19.2	292	7.6			
11	18.8	304	7.5			
12	18.6	304	7.5			
13	18.4	303	7.6			
14	18.2	301	7.5			
15	18.0	300	7.6			
16	17.8	300	7.6			
17	16.6	291	7.7			
18	15.3	281	7.9			
19	14.5	277	7.9			
20	14.1	275	8.0			
21	13.9	274	8.0			
22	Bottom					
23						
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25						
26						
27						
28						
29						
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Table A11. Boone Reservoir, water quality data at WRM 6, September 7, 2005.

Depth (m)	Temp ©	Cond	DO	Site	Secchi (m)	Time
0	25.7	239	9.0	WRM 6	1.8	1255
1	25.5	237	8.9			
2	25.3	237	8.9			
3	25.1	236	8.9			
4	24.3	241	8.3			
5	23.0	236	7.9			
6	21.4	221	7.9			
7	20.4	215	7.9			
8	19.7	209	7.8			
9	19.3	206	7.9			
10	18.9	203	8.0			
11	18.5	201	8.0			
12	18.2	199	8.0			
13	17.9	199	8.0			
14	17.8	199	8.0			
15	17.6	198	7.9			
16	17.3	196	7.9			
17	17.2	196	7.9			
18	17.0	198	7.8			
19	16.8	195	7.8			
20	Bottom					
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Figure A1. Boone Reservoir water quality data at SFHRM 19, July 2005.

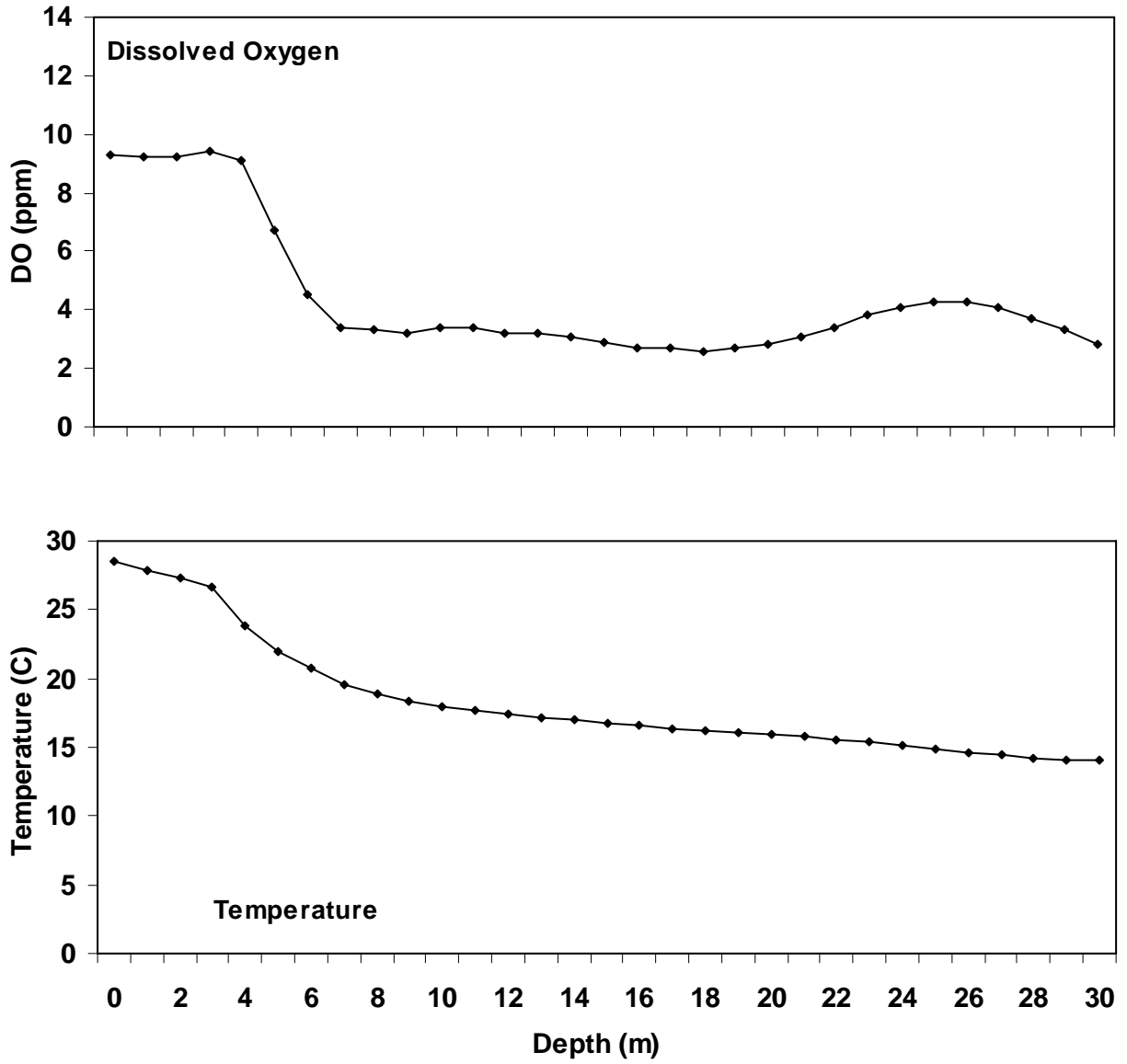


Figure A2. Boone Reservoir water quality data at SFHRM 26, July 2005.

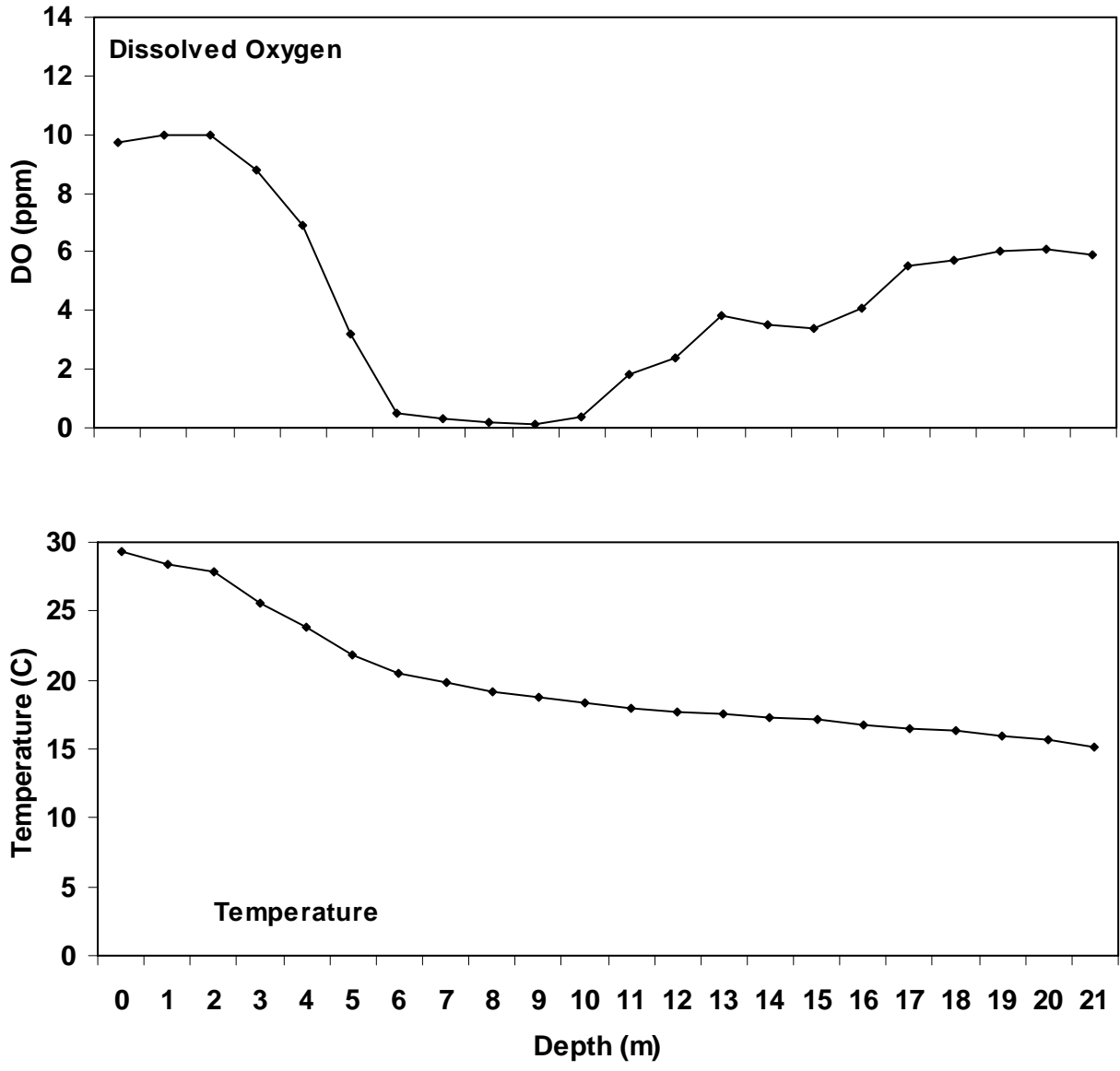


Figure A3. Boone Reservoir water quality data at WRM 6, July 2005.

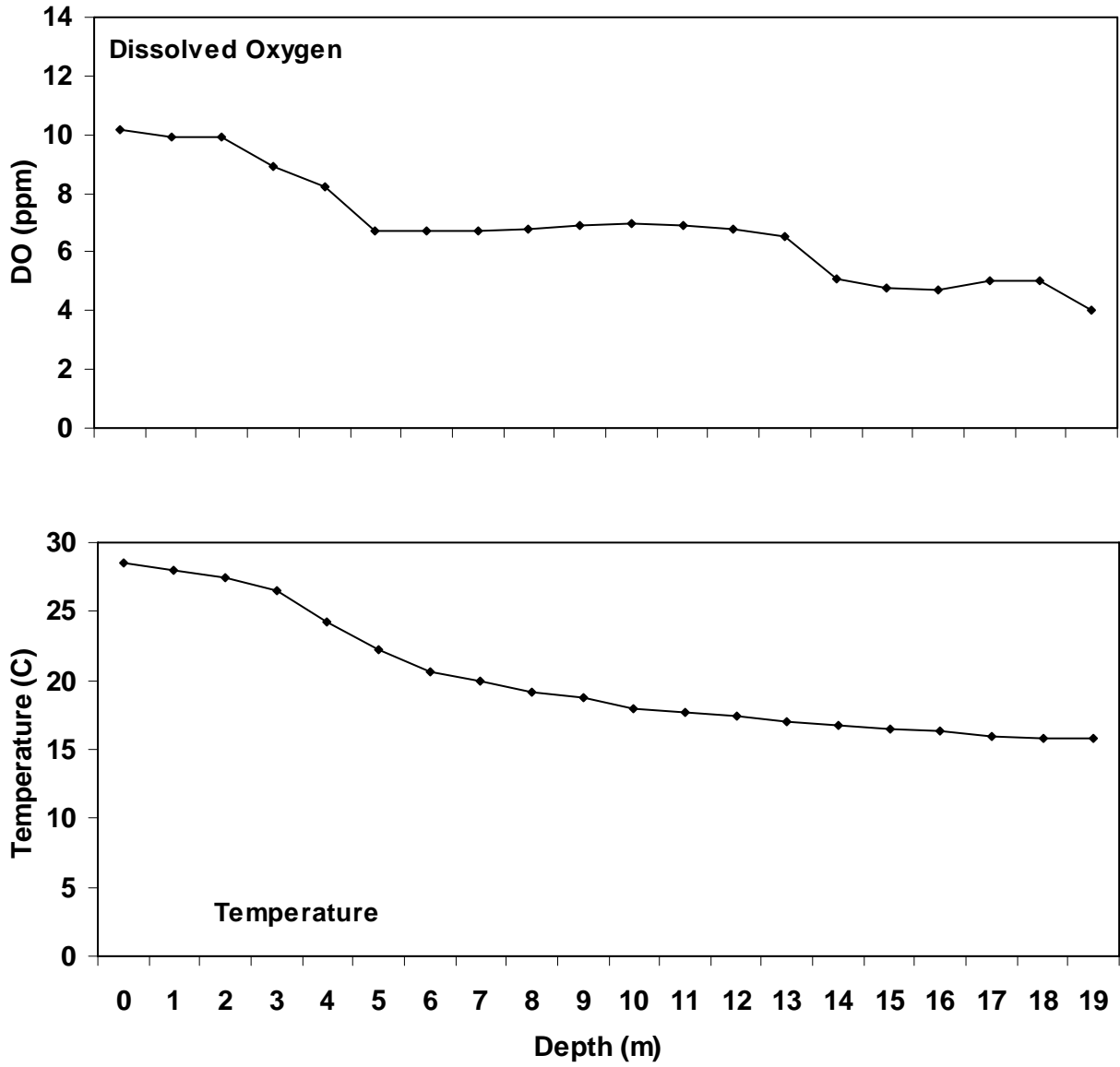


Figure A4. Boone Reservoir water quality data at WRM 11, July 2005.

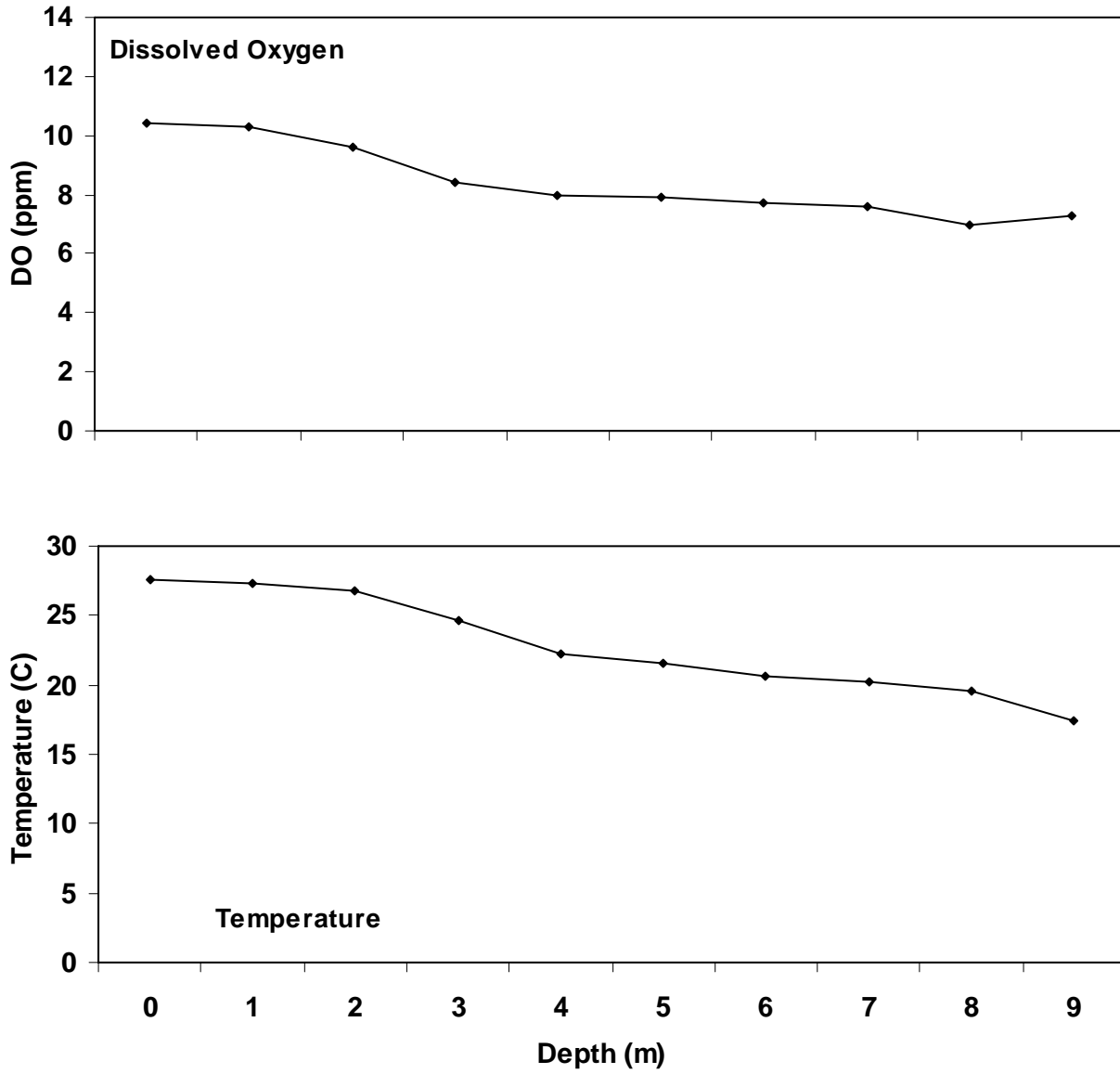


Figure A5. Boone Reservoir water quality data at SFHRM 19, August 2005.

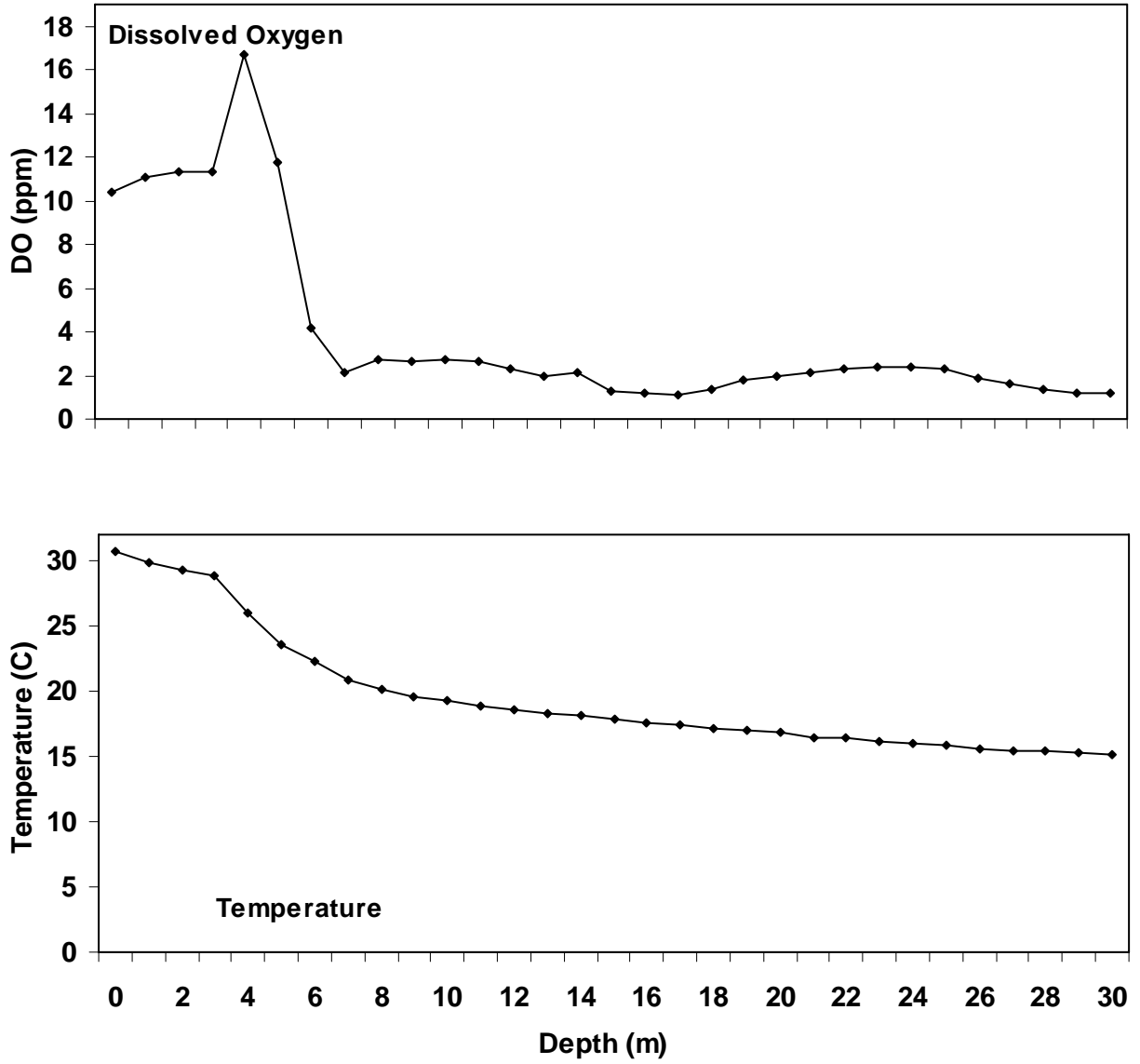


Figure A6. Boone Reservoir water quality data at SFHRM 26, August 2005.

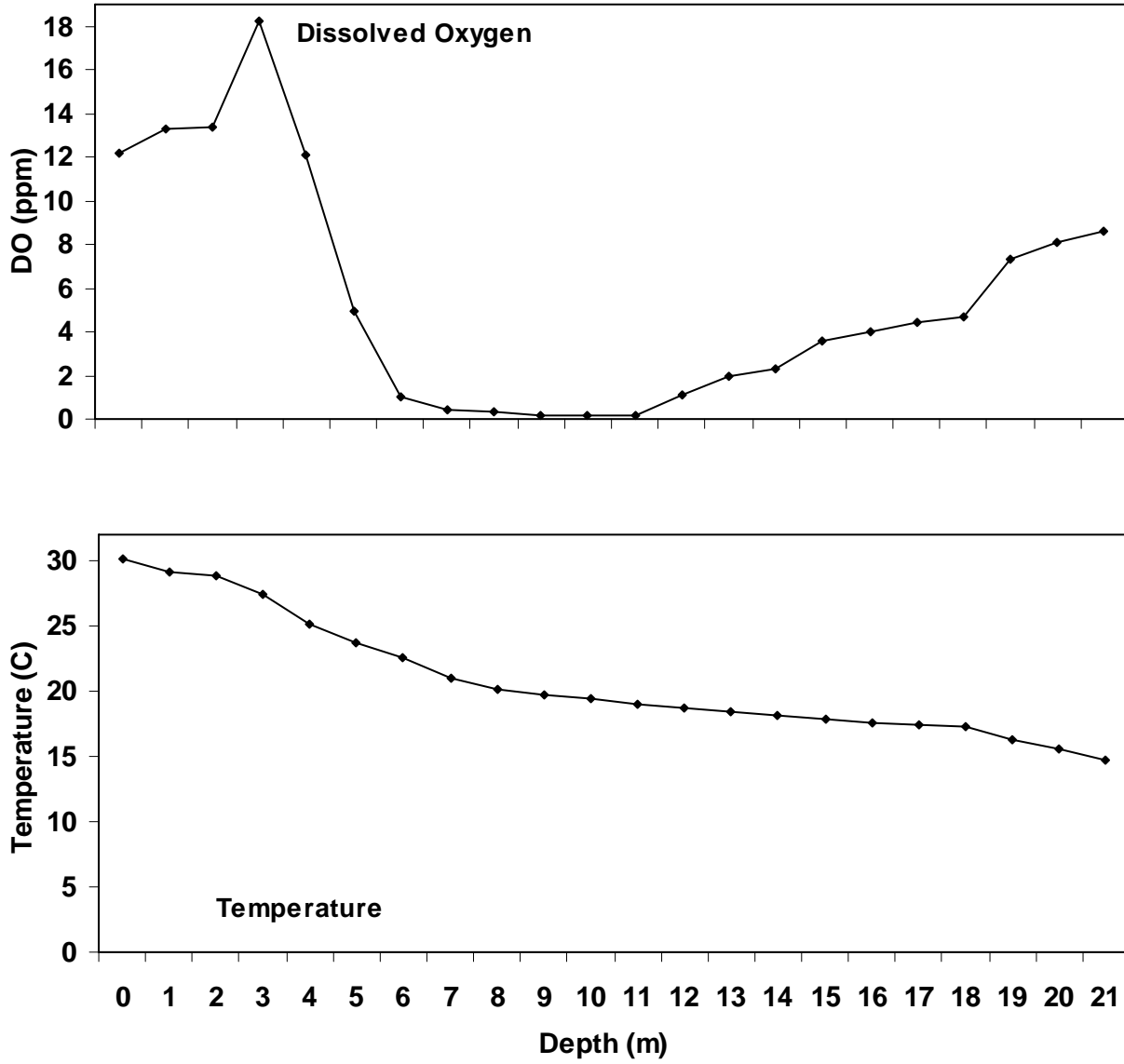


Figure A7. Boone Reservoir water quality data at WRM 6, August 2005.

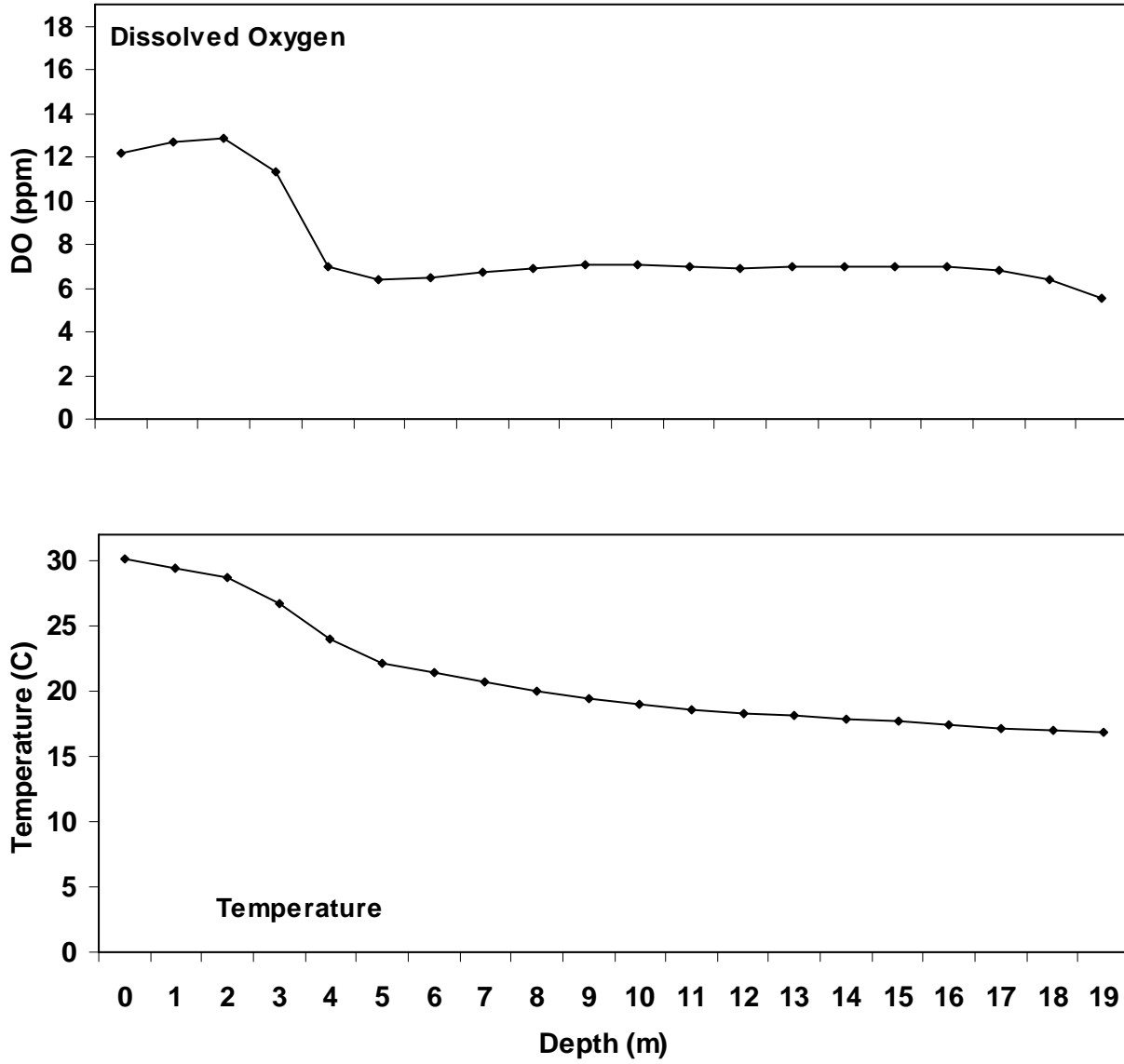


Figure A8. Boone Reservoir water quality data at WRM 11, August 2005.

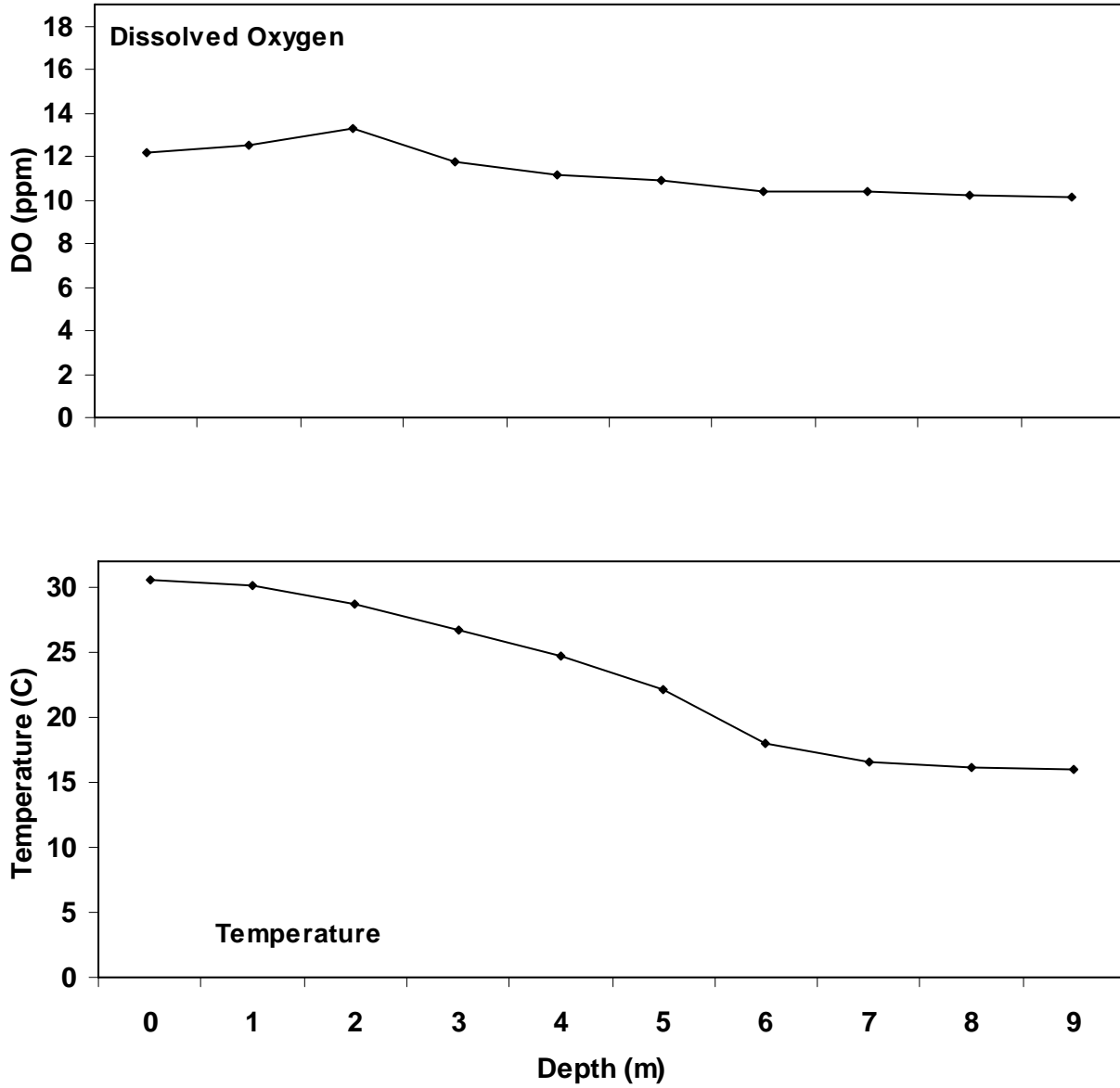


Figure A9. Boone Reservoir water quality data at SFHRM 19, September 2005.

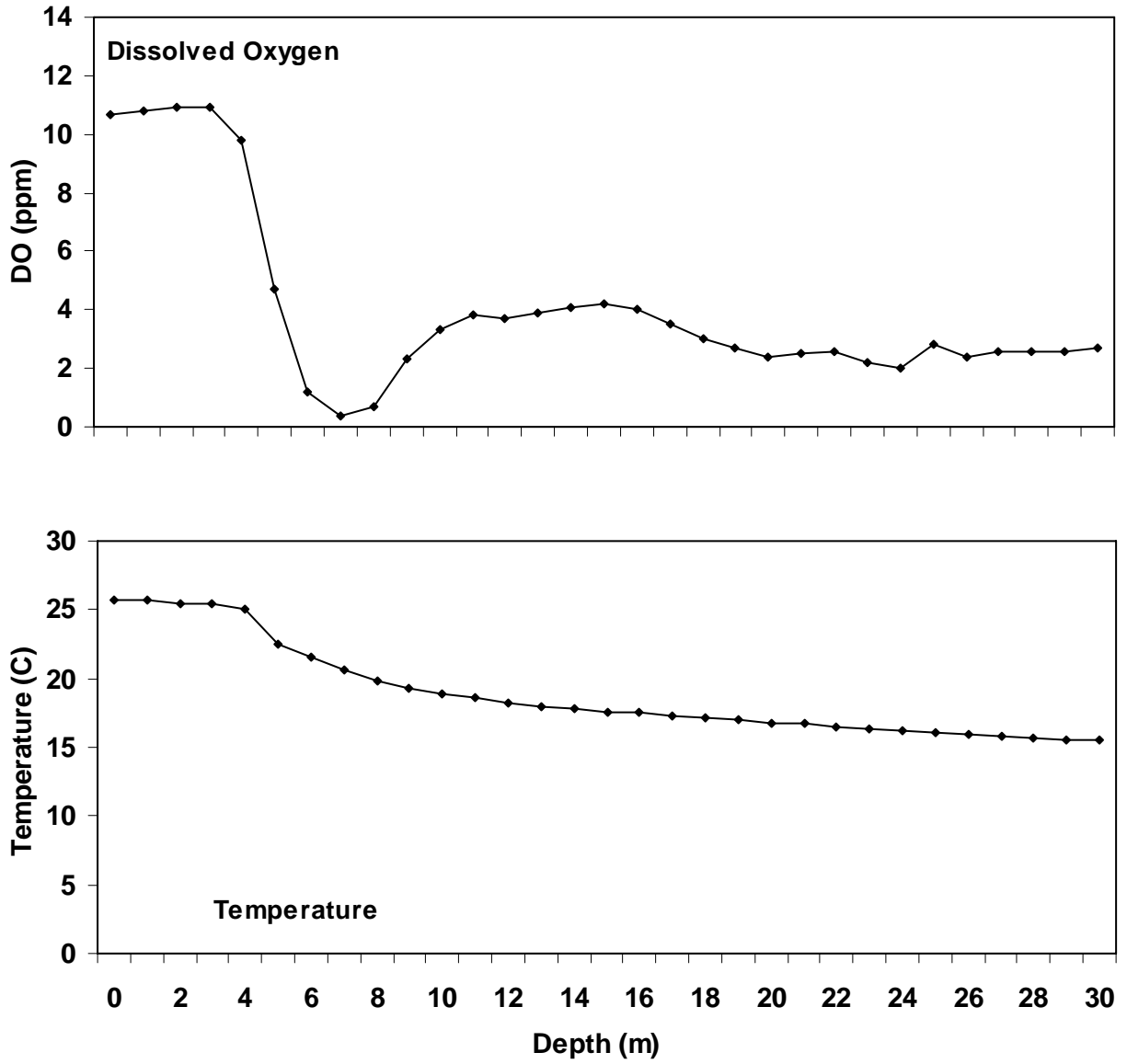


Figure A10. Boone Reservoir water quality data at SFHRM 26, September 2005.

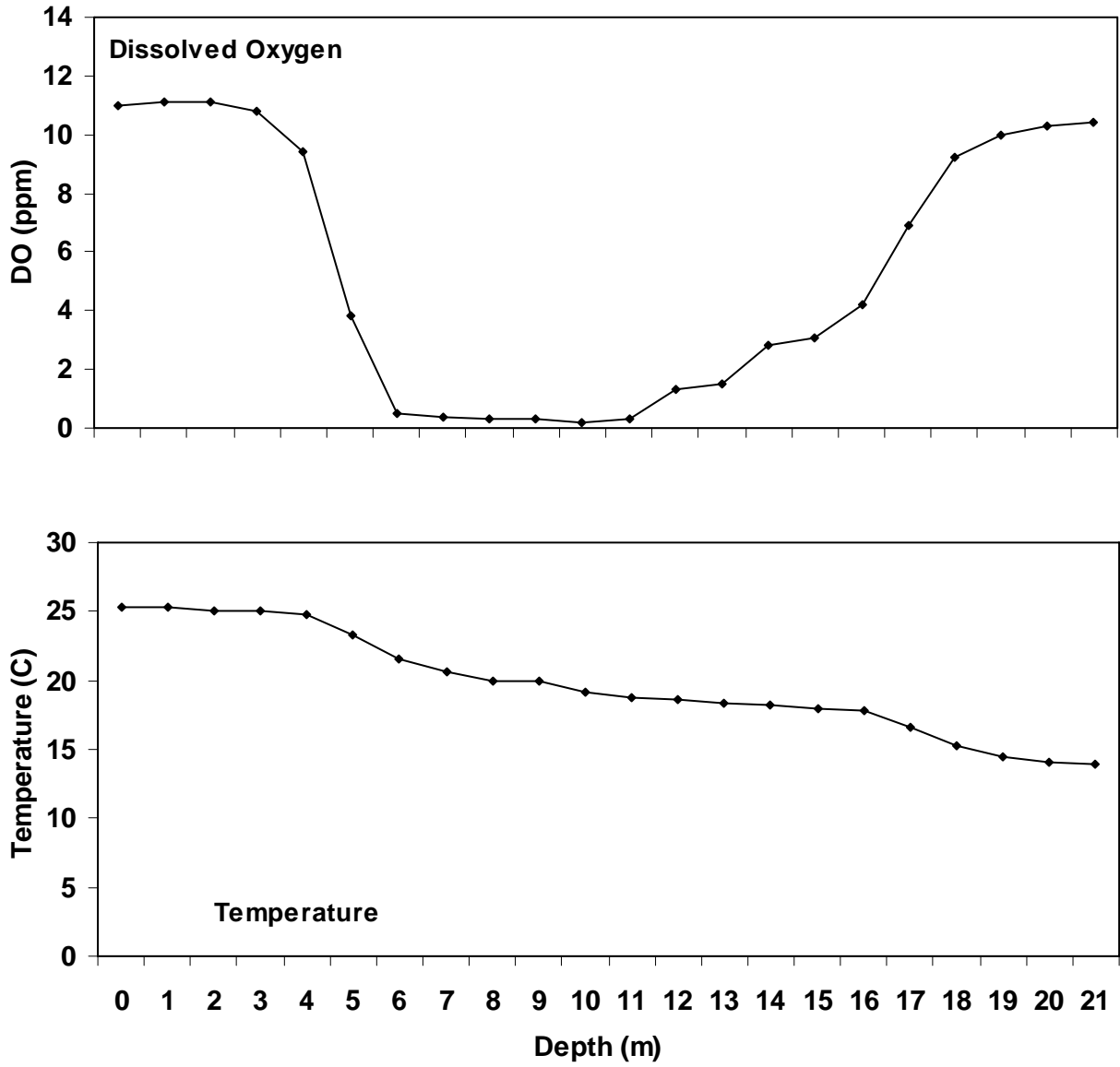
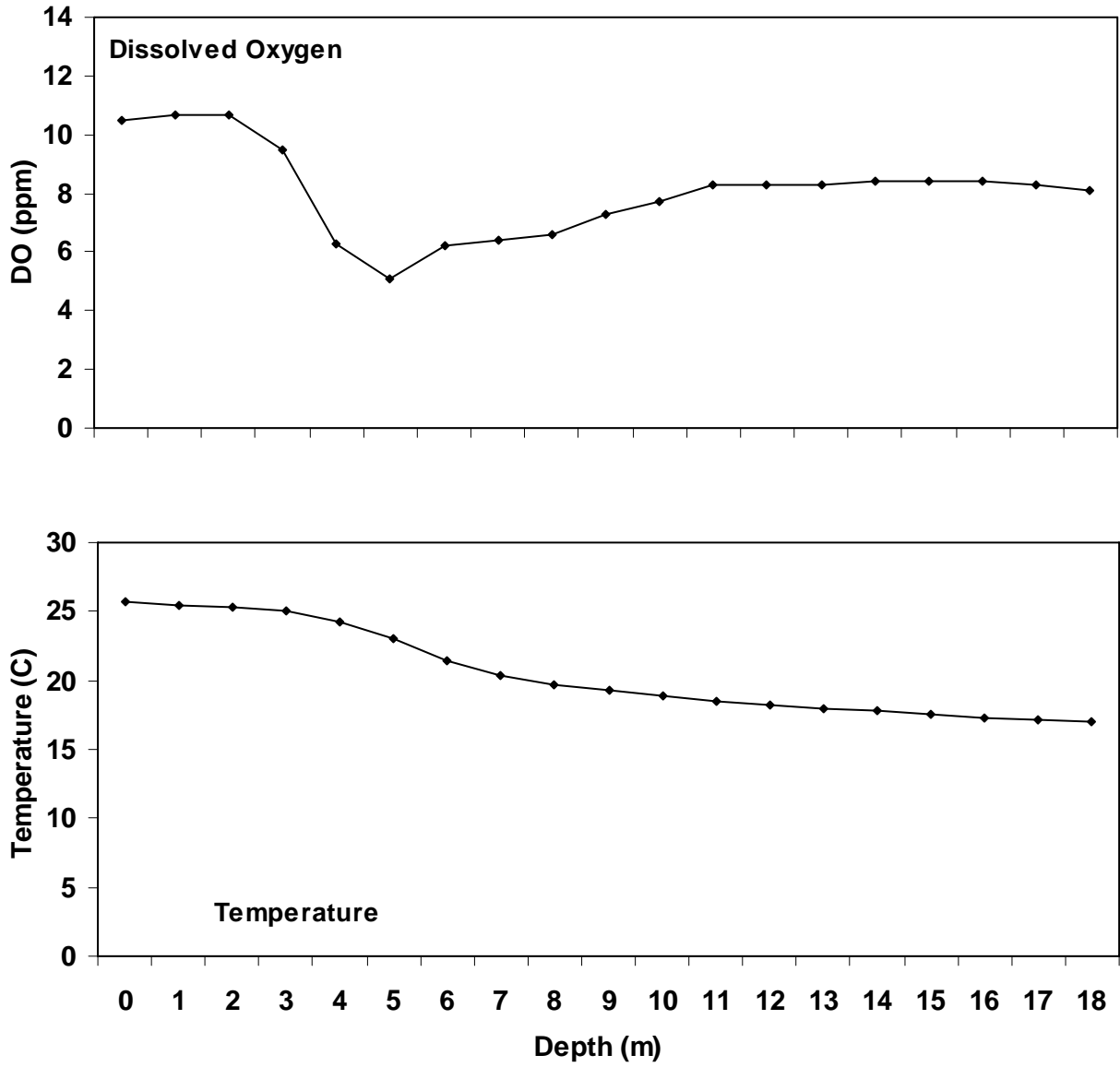


Figure A11. Boone Reservoir water quality data at WRM 6, September 2005.



Appendix B
Reservoir Elevations

Table B1. Boone Reservoir elevation data for 2005. Data is courtesy of TVA.

Elevation	Month	Day	Elevation	Month	Day	Elevation	Month	Day
1363.01	January	1	1363.92	February	24	1378.05	April	19
1362.86	January	2	1364.53	February	25	1378.39	April	20
1363.32	January	3	1364.87	February	26	1378.40	April	21
1363.09	January	4	1365.00	February	27	1378.47	April	22
1363.25	January	5	1365.79	February	28	1378.57	April	23
1363.27	January	6	1366.41	March	1	1378.85	April	24
1362.94	January	7	1367.00	March	2	1379.13	April	25
1363.26	January	8	1367.54	March	3	1379.13	April	26
1362.51	January	9	1368.26	March	4	1379.47	April	27
1361.36	January	10	1368.70	March	5	1380.04	April	28
1361.99	January	11	1368.91	March	6	1380.90	April	29
1362.14	January	12	1368.82	March	7	1381.30	April	30
1360.99	January	13	1369.72	March	8	1381.80	May	1
1362.70	January	14	1369.89	March	9	1381.66	May	2
1363.72	January	15	1370.08	March	10	1380.90	May	3
1363.89	January	16	1369.22	March	11	1380.27	May	4
1362.54	January	17	1369.81	March	12	1380.55	May	5
1362.10	January	18	1370.56	March	13	1380.30	May	6
1362.05	January	19	1370.72	March	14	1380.58	May	7
1361.59	January	20	1370.60	March	15	1380.58	May	8
1361.50	January	21	1370.57	March	16	1381.22	May	9
1361.65	January	22	1370.96	March	17	1381.33	May	10
1362.04	January	23	1371.28	March	18	1380.90	May	11
1360.86	January	24	1371.38	March	19	1381.09	May	12
1361.21	January	25	1371.69	March	20	1381.19	May	13
1362.11	January	26	1370.90	March	21	1381.37	May	14
1361.99	January	27	1370.90	March	22	1381.66	May	15
1361.86	January	28	1371.18	March	23	1381.93	May	16
1362.42	January	29	1372.57	March	24	1382.08	May	17
1362.41	January	30	1373.09	March	25	1381.89	May	18
1362.37	January	31	1373.69	March	26	1381.44	May	19
1362.75	February	1	1374.20	March	27	1381.71	May	20
1362.54	February	2	1374.94	March	28	1381.33	May	21
1362.49	February	3	1375.36	March	29	1381.88	May	22
1361.64	February	4	1375.73	March	30	1381.95	May	23
1361.66	February	5	1375.77	March	31	1382.20	May	24
1361.75	February	6	1375.30	April	1	1382.02	May	25
1362.18	February	7	1375.41	April	2	1382.15	May	26
1361.73	February	8	1376.63	April	3	1381.99	May	27
1360.90	February	9	1376.81	April	4	1382.28	May	28
1360.70	February	10	1376.57	April	5	1382.63	May	29
1360.26	February	11	1375.05	April	6	1382.43	May	30
1361.25	February	12	1374.46	April	7	1382.44	May	31
1361.13	February	13	1375.24	April	8	1382.42	June	1
1361.56	February	14	1374.90	April	9	1382.27	June	2
1362.37	February	15	1375.28	April	10	1382.36	June	3
1362.53	February	16	1375.25	April	11	1382.29	June	4
1362.86	February	17	1376.17	April	12	1381.85	June	5
1362.71	February	18	1377.40	April	13	1381.75	June	6
1362.50	February	19	1377.89	April	14	1382.36	June	7
1362.31	February	20	1377.64	April	15	1382.23	June	8
1361.97	February	21	1377.80	April	16	1382.11	June	9
1362.39	February	22	1377.54	April	17	1382.32	June	10
1363.32	February	23	1377.59	April	18	1382.13	June	11

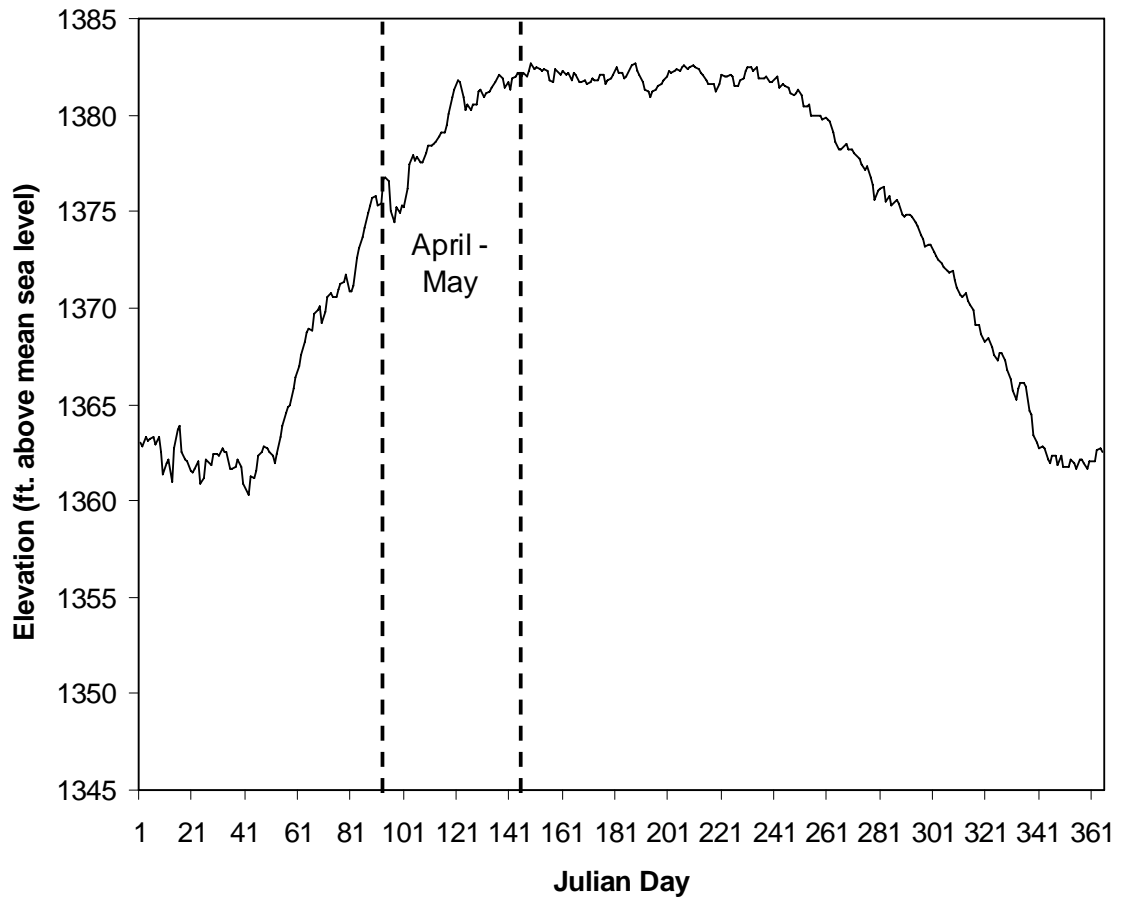
Table B1. Continued.

Elevation	Month	Day	Elevation	Month	Day	Elevation	Month	Day
1382.19	June	12	1381.59	August	5	1378.01	September	28
1381.83	June	13	1381.65	August	6	1377.79	September	29
1382.21	June	14	1381.22	August	7	1377.71	September	30
1382.08	June	15	1381.62	August	8	1377.44	October	1
1381.75	June	16	1382.05	August	9	1377.17	October	2
1381.67	June	17	1382.00	August	10	1377.31	October	3
1381.81	June	18	1382.03	August	11	1376.81	October	4
1381.65	June	19	1382.05	August	12	1376.41	October	5
1381.74	June	20	1381.96	August	13	1375.62	October	6
1381.87	June	21	1381.56	August	14	1376.09	October	7
1381.76	June	22	1381.55	August	15	1376.15	October	8
1381.83	June	23	1381.82	August	16	1376.30	October	9
1382.13	June	24	1381.87	August	17	1375.55	October	10
1382.07	June	25	1382.28	August	18	1375.77	October	11
1381.62	June	26	1382.48	August	19	1375.35	October	12
1381.85	June	27	1382.45	August	20	1375.38	October	13
1381.89	June	28	1382.31	August	21	1375.56	October	14
1382.14	June	29	1382.46	August	22	1375.38	October	15
1382.49	June	30	1381.94	August	23	1374.85	October	16
1382.21	July	1	1381.87	August	24	1374.69	October	17
1382.23	July	2	1381.91	August	25	1374.81	October	18
1381.88	July	3	1382.02	August	26	1374.82	October	19
1381.97	July	4	1381.73	August	27	1374.78	October	20
1382.38	July	5	1381.70	August	28	1374.41	October	21
1382.55	July	6	1381.93	August	29	1374.27	October	22
1382.71	July	7	1381.95	August	30	1373.72	October	23
1382.32	July	8	1381.37	August	31	1373.57	October	24
1382.13	July	9	1381.59	September	1	1373.19	October	25
1381.70	July	10	1381.53	September	2	1373.29	October	26
1381.36	July	11	1381.37	September	3	1373.26	October	27
1381.22	July	12	1381.11	September	4	1372.90	October	28
1380.89	July	13	1381.02	September	5	1372.72	October	29
1381.19	July	14	1381.09	September	6	1372.52	October	30
1381.33	July	15	1381.35	September	7	1372.34	October	31
1381.55	July	16	1380.99	September	8	1372.16	November	1
1381.64	July	17	1380.45	September	9	1371.88	November	2
1381.84	July	18	1380.47	September	10	1371.82	November	3
1381.97	July	19	1380.52	September	11	1371.97	November	4
1382.31	July	20	1379.94	September	12	1371.41	November	5
1382.21	July	21	1380.00	September	13	1371.10	November	6
1382.27	July	22	1379.94	September	14	1370.62	November	7
1382.38	July	23	1379.99	September	15	1370.61	November	8
1382.32	July	24	1379.75	September	16	1370.78	November	9
1382.46	July	25	1379.84	September	17	1370.34	November	10
1382.55	July	26	1379.77	September	18	1370.15	November	11
1382.40	July	27	1379.65	September	19	1369.89	November	12
1382.53	July	28	1379.10	September	20	1369.13	November	13
1382.56	July	29	1378.59	September	21	1369.13	November	14
1382.53	July	30	1378.21	September	22	1368.59	November	15
1382.40	July	31	1378.22	September	23	1368.26	November	16
1382.16	August	1	1378.32	September	24	1368.31	November	17
1382.09	August	2	1378.51	September	25	1368.45	November	18
1381.80	August	3	1378.23	September	26	1367.93	November	19
1381.60	August	4	1378.20	September	27	1367.57	November	20

Table B1. Continued.

Elevation	Month	Day
1367.25	November	21
1367.67	November	22
1367.66	November	23
1367.24	November	24
1366.83	November	25
1366.27	November	26
1365.75	November	27
1365.21	November	28
1365.81	November	29
1366.15	November	30
1366.10	December	1
1365.92	December	2
1364.62	December	3
1364.42	December	4
1363.44	December	5
1362.98	December	6
1362.69	December	7
1362.79	December	8
1362.75	December	9
1362.18	December	10
1361.92	December	11
1362.29	December	12
1362.35	December	13
1361.87	December	14
1362.34	December	15
1361.77	December	16
1361.71	December	17
1361.73	December	18
1362.16	December	19
1361.96	December	20
1361.65	December	21
1362.18	December	22
1362.19	December	23
1361.98	December	24
1361.69	December	25
1362.06	December	26
1362.01	December	27
1362.09	December	28
1362.65	December	29
1362.69	December	30
1362.52	December	31

Figure B1. Boone Reservoir daily reservoir elevations for 2005 (TVA data).



Appendix C
Angler Creel Survey

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2005

LAKE=BOONE

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	7661	10.4	1.7	1176	0.3	7.1
02 FEBRUARY	6746	13.3	1.5	1023	0.2	6.2
03 MARCH	12893	18.8	2.9	1922	0.4	11.9
04 APRIL	13948	7.4	3.1	2148	0.5	12.9
05 MAY	11351	12.5	2.5	1702	0.4	10.5
06 JUNE	10992	8.8	2.4	1800	0.4	10.2
07 JULY	9693	15.3	2.1	1518	0.3	9.0
08 AUGUST	9296	15.0	2.1	1464	0.3	8.6
09 SEPTEMBER	7013	9.6	1.6	1092	0.2	6.5
10 OCTOBER	7518	13.9	1.7	1183	0.3	6.9
11 NOVEMBER	6144	9.3	1.4	925	0.2	5.7
12 DECEMBER	4934	10.7	1.1	728	0.2	4.6
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TOTAL	108189			16681		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2005

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	1609	16.6	0.21	12.8	77	52.8	0.01	36.6
02 FEBRUARY	1012	21.8	0.15	16.7	67	16.1	0.01	8.8
03 MARCH	3094	28.2	0.24	20.3	387	38.7	0.03	38.5
04 APRIL	5579	16.9	0.40	15.0	418	30.6	0.03	30.1
05 MAY	3632	40.8	0.32	38.9	341	39.8	0.03	38.5
06 JUNE	2638	28.6	0.24	26.8	330	47.4	0.03	49.0
07 JULY	2520	24.7	0.26	19.1	97	51.6	0.01	38.7
08 AUGUST	3347	37.8	0.36	34.6	279	49.4	0.03	49.9
09 SEPTEMBER	2034	20.0	0.29	17.5	210	52.6	0.03	52.6
10 OCTOBER	2631	35.4	0.35	32.3	75	62.5	0.01	57.4
11 NOVEMBER	2150	21.6	0.35	19.6	61	9.6	0.01	2.0
12 DECEMBER	1085	26.8	0.22	24.7	49	55.2	0.01	54.3
----- TOTAL	31331				----- 2391			

SUMMARY OF SPECIES CATCH STATISTICS - 2005

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	17	1067.4	0.1	0	0	.	0.0	0	100.0	.	0
BLUE CATFISH	39	293.0	0.1	39	39	293.0	1.6	39	0.0	14.63	2
CHANNEL CATFISH	841	82.6	2.7	519	421	47.6	17.6	421	49.9	4.29	19
FLATHEAD CATFISH	91	206.2	0.3	91	91	206.2	3.8	91	0.0	11.41	4
RAINBOW TROUT	74	575.8	0.2	0	0	.	0.0	0	100.0	.	0
STRIPED BASS	447	157.2	1.4	303	27	96.3	1.1	27	94.0	4.78	2
CHEROKEE BASS	892	84.8	2.8	335	184	69.6	7.7	184	79.4	3.06	9
ROCK BASS	28	391.0	0.1	28	28	391.0	1.2	28	0.0	0.40	1
BLUEGILL	2645	49.0	8.4	1207	113	87.0	4.7	113	95.7	0.14	5
SMALLMOUTH BASS	10835	12.5	34.4	10730	597	19.3	24.9	597	94.5	2.19	33
SPOTTED BASS	8	1092.1	0.0	8	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	14682	11.2	46.7	14494	475	21.1	19.8	475	96.8	2.67	23
WHITE CRAPPIE	54	473.9	0.2	54	21	424.3	0.9	21	61.1	1.05	1
BLACK CRAPPIE	726	99.9	2.3	545	375	54.8	15.7	375	48.3	0.79	19
BLACKNOSE CRAPPIE	79	536.9	0.3	59	23	268.9	1.0	23	70.9	0.90	1

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2005

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	2901	22.1	448	2.7	0.22	53.3	0.22	53.3	22
ANY TEMPERATE BASS	8628	12.4	1327	8.0	0.04	91.3	0.01	194.5	59
WHITE BASS	500	52.0	79	0.5	0.00		0.00		3
STRIPED BASS	9898	11.4	1526	9.1	0.05	83.5	0.00	246.1	85
CHEROKEE BASS	1061	34.6	165	1.0	0.13	71.6	0.09	108.0	12
ANY SUNFISH	3386	20.5	521	3.1	1.10	55.0	0.10	173.0	20
ANY BLACK BASS	62545	4.9	9645	57.8	0.42	14.7	0.01	69.3	494
SMALLMOUTH BASS	1195	32.1	181	1.1	0.44	24.9	0.29	49.0	16
LARGEMOUTH BASS	178	90.2	27	0.2	0.00		0.00		1
ANY CRAPPIE	8936	12.2	1375	8.3	0.16	72.9	0.09	97.0	97
ANY SPECIES	8807	12.1	1365	8.1	0.14	63.7	0.01	175.5	82
OTHER	153	91.8	23	0.1	0.00		0.00		1
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TOTAL	108188		16682						

**SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2005**

LAKE=BOONE

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.01	0.02
	CHANNEL CATFISH	0.18	0.17
	FLATHEAD CATFISH	0.03	0.04
ANY TEMPERATE BASS	STRIPED BASS	0.02	0.00
	CHEROKEE BASS	0.02	0.01
ANY SUNFISH	BLUEGILL	1.10	0.10
ANY BLACK BASS	SMALLMOUTH BASS	0.17	0.01
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.23	0.01
ANY CRAPPIE	WHITE CRAPPIE	0.01	0.00
	BLACK CRAPPIE	0.13	0.08
	BLACKNOSE CRAPPIE	0.01	0.00

COMPARISON OF BLACK BASS CATCH RATES (# FISH/HOUR) BETWEEN TOURNAMENT AND NON-TOURNAMENT ANGLERS
(MONTHS ARE LISTED ONLY IF > 90% OF BLACK BASS ANGLERS RESPONDED TO THE QUESTION ON TOURNAMENT PARTICIPATION)

LAKE=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	0.33	57
02 FEBRUARY	20	0.41	7	0.24	38
03 MARCH	17	0.32	9	0.48	44
04 APRIL	21	0.50	8	0.39	45
05 MAY	0		0	0.43	44
06 JUNE	11	0.27	6	0.43	33
07 JULY	20	0.51	6	0.35	44
08 AUGUST	8	0.41	5	0.50	43
09 SEPTEMBER	0		0	0.49	23
10 OCTOBER	21	0.61	6	0.39	39
11 NOVEMBER	0		0	0.45	23
12 DECEMBER	0		0	0.43	31

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2005**

LAKE=BOONE

INTENDED SPECIES INTERVIEWS	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF
ANY CATFISH	5010	2170	7190	22
ANY TEMPERATE BASS	16740	9960	26700	59
WHITE BASS	1020	550	1570	3
STRIPED BASS	20580	13470	34040	84
CHEROKEE BASS	2140	1900	4040	12
ANY SUNFISH	3260	2830	6090	20
ANY BLACK BASS	136730	91320	228050	493
SMALLMOUTH BASS	2480	1520	4000	16
LARGEMOUTH BASS	270	140	410	1
ANY CRAPPIE	12950	13060	26010	97
ANY SPECIES	9310	10260	19570	81
OTHER	170	170	350	1
TOTAL	210660	147350	358020	889

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2005

LAKE=BOONE

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	1263	88.0
VA	141	9.8
OTHERS	31	2.2

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARTER	90	7.1
SULLIVAN	550	43.5
UNICOI	64	5.1
WASHINGTON	494	39.1
OTHERS IN TN	65	5.1

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	1058	73.7
B) 26-100	363	25.3
C) 101-250	12	0.8
D) > 250	2	0.1

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	888	99.9
B) VACATION	1	0.1

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	884	99.3
B) 2-5	6	0.7