

**BOONE RESERVOIR
CREEL SURVEY 2007**

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2007

LAKE=BOONE

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	4327	17.5	1.0	663	0.1	5.1
02 FEBRUARY	3822	16.3	0.8	622	0.1	4.5
03 MARCH	8574	8.9	1.9	1301	0.3	10.2
04 APRIL	8499	12.5	1.9	1292	0.3	10.1
05 MAY	8832	7.6	2.0	1417	0.3	10.5
06 JUNE	8972	5.6	2.0	1426	0.3	10.7
07 JULY	10154	18.7	2.2	1584	0.4	12.1
08 AUGUST	6584	11.9	1.5	979	0.2	7.8
09 SEPTEMBER	8437	17.0	1.9	1248	0.3	10.0
10 OCTOBER	5642	10.9	1.2	858	0.2	6.7
11 NOVEMBER	5525	12.0	1.2	862	0.2	6.6
12 DECEMBER	4730	11.8	1.0	770	0.2	5.6
----- TOTAL	84098			13022		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2007

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	865	33.1	0.20	27.3	87	36.4	0.02	36.5
02 FEBRUARY	1185	35.4	0.31	31.4	76	19.4	0.02	10.6
03 MARCH	1372	16.5	0.16	14.1	171	43.4	0.02	49.9
04 APRIL	1445	19.6	0.17	15.3	255	45.8	0.03	42.3
05 MAY	2208	21.5	0.25	20.0	883	53.4	0.10	53.3
06 JUNE	2512	22.9	0.28	22.4	449	37.6	0.05	40.2
07 JULY	2742	25.5	0.27	16.9	406	58.3	0.04	60.3
08 AUGUST	2041	31.8	0.31	29.2	132	54.0	0.02	48.7
09 SEPTEMBER	2278	28.3	0.27	22.5	422	42.2	0.05	40.7
10 OCTOBER	1749	22.7	0.31	19.8	226	34.0	0.04	36.1
11 NOVEMBER	1381	25.3	0.25	22.2	111	31.3	0.02	26.1
12 DECEMBER	1183	27.9	0.25	24.9	142	47.9	0.03	55.3
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TOTAL	20961				3360			

SUMMARY OF SPECIES CATCH STATISTICS - 2007

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	103	280.3	0.5	0	58	184.2	1.7	0	43.7	11.20	2
BLUE CATFISH	19	348.4	0.1	19	19	348.4	0.6	19	0.0	13.35	1
CHANNEL CATFISH	837	67.1	4.0	747	652	59.5	19.4	652	22.1	2.93	26
FLATHEAD CATFISH	101	255.0	0.5	101	101	255.0	3.0	101	0.0	10.29	4
RAINBOW TROUT	192	276.5	0.9	17	0	.	0.0	0	100.0	.	0
BROWN TROUT	157	308.0	0.7	16	10	183.0	0.3	0	93.6	4.85	1
ANY TEMPERATE BASS	23	950.4	0.1	23	0	.	0.0	0	100.0	.	0
STRIPED BASS	463	119.6	2.2	356	94	109.4	2.8	94	79.7	10.55	6
CHEROKEE BASS	669	88.0	3.2	242	208	96.7	6.2	185	68.9	3.03	9
BLUEGILL	2820	34.5	13.3	1893	806	43.2	24.0	806	71.4	0.22	28
SMALLMOUTH BASS	6934	12.4	32.8	6902	453	26.0	13.5	453	93.5	2.40	25
LARGEMOUTH BASS	8120	11.3	38.4	8032	550	25.2	16.4	550	93.2	2.84	26
WHITE CRAPPIE	83	258.8	0.4	83	66	281.9	2.0	66	20.5	1.08	2
BLACK CRAPPIE	584	99.6	2.8	478	313	100.2	9.3	313	46.4	0.86	16
BLACKNOSE CRAPPIE	44	379.8	0.2	44	27	234.2	0.8	27	38.6	0.95	2

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

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	1978	25.3	305	2.4	0.24	43.5	0.24	43.5	18
ANY TEMPERATE BASS	7638	12.5	1185	9.1	0.05	82.1	0.03	128.2	59
WHITE BASS	125	91.7	19	0.1	0.00		0.00		1
STRIPED BASS	8798	11.5	1358	10.5	0.05	79.6	0.01	140.2	68
CHEROKEE BASS	260	77.0	40	0.3	0.42		0.13		2
ANY SUNFISH	1955	25.9	298	2.3	2.16	39.2	0.55	97.0	17
ANY BLACK BASS	47724	5.3	7387	56.8	0.31	12.7	0.01	71.8	386
SMALLMOUTH BASS	1628	24.7	258	1.9	0.22	25.7	0.12	42.0	20
ANY CRAPPIE	8783	11.7	1361	10.4	0.14	84.0	0.09	99.3	87
ANY SPECIES	4927	15.6	764	5.9	0.26	90.4	0.14	132.9	56
OTHER	279	63.9	44	0.3	0.00		0.00		4
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TOTAL	84095		13019						

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

LAKE=BOONE

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	BLUE CATFISH	0.01	0.01
	CHANNEL CATFISH	0.21	0.20
	FLATHEAD CATFISH	0.03	0.03
ANY TEMPERATE BASS	STRIPED BASS	0.03	0.01
	CHEROKEE BASS	0.02	0.02
ANY SUNFISH	BLUEGILL	2.16	0.55
ANY BLACK BASS			
ANY BLACK BASS	SMALLMOUTH BASS	0.14	0.01
	LARGEMOUTH BASS	0.16	0.01
ANY CRAPPIE	WHITE CRAPPIE	0.02	0.01
	BLACK CRAPPIE	0.11	0.07
	BLACKNOSE CRAPPIE	0.01	0.01

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

LAKE=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	0.38	31
02 FEBRUARY	0		0	0.28	25
03 MARCH	0		0	0.25	44
04 APRIL	13	0.27	5	0.27	37
05 MAY	32	0.41	6	0.26	29
06 JUNE	10	0.32	5	0.31	34
07 JULY	27	0.36	8	0.33	33
08 AUGUST	5	0.18	2	0.29	28
09 SEPTEMBER	17	0.37	6	0.34	27
10 OCTOBER	0		0	0.34	29
11 NOVEMBER	0		0	0.32	27
12 DECEMBER	0		0	0.27	29

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

LAKE=BOONE

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	4270	2440	6700	18
ANY TEMPERATE BASS	13990	9530	23520	59
WHITE BASS	190	190	380	1
STRIPED BASS	15080	13910	28990	68
CHEROKEE BASS	550	390	940	2
ANY SUNFISH	1960	1690	3650	17
ANY BLACK BASS	106840	51280	158120	383
SMALLMOUTH BASS	2810	3250	6060	20
ANY CRAPPIE	13860	14070	27930	87
ANY SPECIES	6800	7340	14150	56
OTHER	610	440	1060	4
----- TOTAL	166960	104530	271500	715

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2007

LAKE=BOONE

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	1015	84.7
VA	157	13.1
OTHERS	27	2.3

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARTER	52	5.1
SULLIVAN	465	45.9
WASHINGTON	422	41.6
OTHERS IN TN	74	7.3
OUT-OF-STATE	1	0.1

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	914	76.3
B) 26-100	265	22.1
C) 101-250	8	0.7
D) > 250	11	0.9

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	713	99.3
B) VACATION	5	0.7

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	710	99.0
B) 2-5	6	0.8
C) 6-10	1	0.1