

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2010

LAKE=SOUTH HOLSTON

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	4665	32.2	0.7	706	0.1	3.7
02 FEBRUARY	2780	48.8	0.4	478	0.1	2.2
03 MARCH	14886	24.6	2.3	2320	0.4	11.7
04 APRIL	21731	16.6	3.4	2897	0.5	17.1
05 MAY	22150	12.7	3.5	3492	0.6	17.4
06 JUNE	15685	13.3	2.5	2694	0.4	12.3
08 AUGUST	10154	27.9	1.6	1931	0.3	8.0
09 SEPTEMBER	14269	17.4	2.3	2875	0.5	11.2
10 OCTOBER	10072	26.0	1.6	1666	0.3	7.9
11 NOVEMBER	6442	22.7	1.0	1332	0.2	5.1
12 DECEMBER	4186	15.7	0.7	678	0.1	3.3
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TOTAL	127020			21069		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2010

LAKE=SOUTH HOLSTON

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	1539	38.4	0.33	19.8	327	65.9	0.07	57.2
02 FEBRUARY	584	66.2	0.21	40.1	0	.	0.00	.
03 MARCH	17119	43.0	1.15	34.1	5061	59.0	0.34	52.6
04 APRIL	19341	22.5	0.89	14.9	3694	50.2	0.17	45.5
05 MAY	23258	21.5	1.05	17.1	3987	29.7	0.18	26.3
06 JUNE	8627	17.8	0.55	11.7	1098	54.6	0.07	50.8
08 AUGUST	5483	32.5	0.54	16.1	812	55.9	0.08	47.7
09 SEPTEMBER	11701	33.4	0.82	28.1	2426	38.7	0.17	33.2
10 OCTOBER	3928	35.3	0.39	22.9	1007	56.4	0.10	46.2
11 NOVEMBER	2706	38.9	0.42	31.0	515	38.7	0.08	30.8
12 DECEMBER	1800	49.2	0.43	45.6	209	49.6	0.05	47.2
----- TOTAL	96086				----- 19136			

SUMMARY OF SPECIES CATCH STATISTICS - 2010

LAKE=SOUTH HOLSTON

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	750	304.5	0.8	150	0	.	0.0	0	100.0	.	0
CHANNEL CATFISH	1552	140.7	1.6	739	258	232.5	1.3	194	83.4	3.14	4
RAINBOW TROUT	10626	36.3	11.1	8868	7391	40.0	38.6	6719	30.4	1.33	88
LAKE TROUT	4393	62.9	4.6	2778	2966	58.5	15.5	2063	32.5	3.66	46
BLUEGILL	25561	25.8	26.7	14860	591	60.7	3.1	296	97.7	0.37	10
SMALLMOUTH BASS	33035	13.8	34.4	31880	2659	25.6	13.9	2254	92.0	3.64	46
LARGEMOUTH BASS	12525	26.9	13.1	12422	333	75.4	1.7	333	97.3	5.66	5
WHITE CRAPPIE	907	231.7	0.9	800	258	223.9	1.3	258	71.6	0.98	4
BLACK CRAPPIE	3832	65.9	4.0	3449	2774	64.2	14.5	2555	27.6	1.22	38
BLACKNOSE CRAPPIE	283	478.8	0.3	283	101	481.5	0.5	101	64.3	1.08	2
WALLEYE	2346	84.7	2.4	2099	1713	68.0	8.9	1536	27.0	5.27	29

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2010

LAKE=SOUTH HOLSTON

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	468	110.1	79	0.4	0.37		0.08		2
RAINBOW TROUT	1672	44.1	283	1.3	1.27	24.6	0.94	43.8	8
ANY TROUT	10212	20.2	1715	8.0	0.45	63.0	0.30	41.1	29
LAKE TROUT	4690	25.7	806	3.7	0.42	23.6	0.30	22.1	15
ANY SUNFISH	3773	26.8	661	3.0	1.80	37.6	0.02	194.5	10
ANY BLACK BASS	76226	7.9	12472	60.0	0.42	14.4	0.01	79.3	284
SMALLMOUTH BASS	3946	24.9	659	3.1	0.44	59.9	0.09	98.7	20
ANY CRAPPIE	6003	21.9	990	4.7	1.01	46.2	0.53	51.6	26
WALLEYE	9040	20.9	1525	7.1	0.16	37.6	0.12	30.3	33
ANY SPECIES	10990	18.0	1876	8.7	0.93	46.7	0.08	92.8	33
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TOTAL	127020		21066						

**SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2010**

LAKE=SOUTH HOLSTON

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	CHANNEL CATFISH	0.37	0.08
ANY TROUT	RAINBOW TROUT	0.45	0.30
ANY SUNFISH	BLUEGILL	1.80	0.02
ANY BLACK BASS	ANY BLACK BASS	0.00	0.00
	SMALLMOUTH BASS	0.40	0.03
	LARGEMOUTH BASS	0.15	0.00
ANY CRAPPIE	WHITE CRAPPIE	0.18	0.05
	BLACK CRAPPIE	0.77	0.46
	BLACKNOSE CRAPPIE	0.06	0.02

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=SOUTH HOLSTON

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	21	0.33	4	0.32	16
02 FEBRUARY	0		0	0.22	13
03 MARCH	56	0.38	12	0.28	19
04 APRIL	19	0.48	9	0.71	48
05 MAY	18	0.45	12	0.54	34
06 JUNE	14	0.14	3	0.38	10
08 AUGUST	59	0.40	10	0.24	7
09 SEPTEMBER	8	0.32	8	0.31	23
10 OCTOBER	17	0.30	6	0.34	32
11 NOVEMBER	0		0	0.27	16
12 DECEMBER	0		0	0.39	22

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2010**

LAKE=SOUTH HOLSTON

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	2590	1280	3870	2
RAINBOW TROUT	3370	4630	8000	8
ANY TROUT	24740	23510	48250	29
LAKE TROUT	13160	15620	28780	15
ANY SUNFISH	4220	6920	11140	10
ANY BLACK BASS	374510	339950	714460	284
SMALLMOUTH BASS	15590	17400	32990	20
ANY CRAPPIE	9580	13340	22920	26
WALLEYE	30550	32770	63310	33
ANY SPECIES	19190	24770	43960	33
TOTAL	497500	480190	977680	460

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2010

LAKE=SOUTH HOLSTON

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	432	50.7
VA	413	48.5
OTHERS	7	0.8

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
CARTER	62	14.3
SULLIVAN	246	56.6
WASHINGTON	80	18.4
OTHERS IN TN	42	9.7
OUT-OF-STATE	5	1.1

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	590	68.9
B) 26-100	250	29.2
C) 101-250	7	0.8
D) > 250	9	1.1

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	459	99.8
B) VACATION	1	0.2

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	450	97.8
B) 2-5	8	1.7
C) 6-10	2	0.4