

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2010

LAKE=MELTON HILL

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	2944	33.8	0.5	689	0.1	3.8
02 FEBRUARY	8722	11.4	1.5	2333	0.4	11.3
03 MARCH	10884	16.1	1.9	2527	0.4	14.1
04 APRIL	14348	15.6	2.5	3368	0.6	18.6
05 MAY	6592	16.6	1.2	1825	0.3	8.5
06 JUNE	7927	20.6	1.4	2157	0.4	10.3
07 JULY	6698	30.6	1.2	2233	0.4	8.7
08 AUGUST	5203	22.4	0.9	1368	0.2	6.7
09 SEPTEMBER	2894	12.7	0.5	715	0.1	3.8
10 OCTOBER	7621	11.2	1.3	1923	0.3	9.9
11 NOVEMBER	2121	25.6	0.4	539	0.1	2.8
12 DECEMBER	1143	37.7	0.2	329	0.1	1.5
-----	-----			-----		
TOTAL	77097			20006		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2010

LAKE=MELTON HILL

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	530	62.5	0.18	50.1	0	.	0.00	.
02 FEBRUARY	3663	20.4	0.42	16.6	1134	34.9	0.13	34.0
03 MARCH	5877	22.5	0.54	15.7	762	38.9	0.07	33.8
04 APRIL	15209	26.7	1.06	21.4	2296	26.8	0.16	21.8
05 MAY	5867	35.8	0.89	31.1	1252	66.1	0.19	64.8
06 JUNE	2457	32.9	0.31	25.2	317	82.6	0.04	71.5
07 JULY	1005	83.8	0.15	75.1	0	.	0.00	.
08 AUGUST	1925	47.0	0.37	40.8	0	.	0.00	100.0
09 SEPTEMBER	2576	31.4	0.89	28.5	29	90.5	0.01	100.0
10 OCTOBER	6935	19.5	0.91	15.7	381	57.6	0.05	61.6
11 NOVEMBER	721	49.0	0.34	40.7	85	64.9	0.04	65.8
12 DECEMBER	0	.	0.00	.	0	.	0.00	.
TOTAL	46765				6256			

SUMMARY OF SPECIES CATCH STATISTICS - 2010

LAKE=MELTON HILL

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
SKIPJACK HERRING	156	307.1	0.3	156	39	329.3	0.6	39	75.0	1.00	2
CARP	144	425.1	0.3	36	0	.	0.0	0	100.0	.	0
BLUE CATFISH	926	104.6	2.0	842	619	92.4	9.9	580	33.2	3.74	16
CHANNEL CATFISH	219	358.0	0.5	183	33	609.3	0.5	33	84.9	4.10	1
MUSKELLUNGE	601	112.8	1.3	538	26	286.4	0.4	26	95.7	.	1
RAINBOW TROUT	208	470.8	0.4	208	166	372.2	2.7	166	20.2	1.26	5
STRIPED BASS	1591	94.3	3.4	712	140	200.5	2.2	140	91.2	10.24	5
ROCK BASS	207	815.8	0.4	207	0	.	0.0	0	100.0	.	0
WARMOUTH	33	861.3	0.1	33	33	861.3	0.5	33	0.0	0.85	1
BLUEGILL	8586	32.1	18.3	7110	1908	42.8	30.5	1819	77.8	0.64	43
SMALLMOUTH BASS	2359	69.2	5.0	315	0	.	0.0	0	100.0	.	0
SPOTTED BASS	1911	105.4	4.1	0	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	19790	15.1	42.3	18858	268	66.7	4.3	268	98.6	2.39	7
WHITE CRAPPIE	7595	38.1	16.2	7595	1894	32.9	30.3	1894	75.1	1.05	70
BLACK CRAPPIE	114	582.8	0.2	114	45	636.7	0.7	45	60.5	1.35	2
YELLOW PERCH	1664	64.7	3.6	1575	942	48.0	15.1	942	43.4	0.75	37
FRESHWATER DRUM	84	644.8	0.2	84	0	.	0.0	0	100.0	.	0

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

LAKE=MELTON HILL

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	4169	21.3	1111	5.4	0.20	83.3	0.13	116.1	23
MUSKELLUNGE	6999	15.4	1768	9.1	0.07	46.8	0.01	153.2	47
ANY TROUT	82	140.4	19	0.1	1.71		1.43		1
STRIPED BASS	5243	19.2	1378	6.8	0.10	66.2	0.02	137.5	34
ANY SUNFISH	677	53.9	185	0.9	2.64	42.3	1.39	84.3	6
ANY BLACK BASS	1504	33.3	375	2.0	0.68	67.2	0.10	156.4	9
SMALLMOUTH BASS	621	51.0	150	0.8	0.12	115.3	0.00		5
SPOTTED BASS	145	103.3	34	0.2	0.00		0.00		1
LARGEMOUTH BASS	26368	8.8	6867	34.2	0.59	26.6	0.01	200.7	200
ANY CRAPPIE	7916	14.8	1987	10.3	0.94	63.9	0.31	46.5	65
ANY SPECIES	23374	9.4	6134	30.3	0.57	55.4	0.14	87.7	118
-----	-----		-----						
TOTAL	77098		20008						

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

LAKE=MELTON HILL

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
	BLUE CATFISH	0.16	0.12
	CHANNEL CATFISH	0.04	0.01
ANY TROUT	RAINBOW TROUT	1.71	1.43
ANY SUNFISH	WARMOUTH	0.01	0.02
	BLUEGILL	2.63	1.37
ANY BLACK BASS	SMALLMOUTH BASS	0.01	0.00
	SPOTTED BASS	0.00	0.00
	LARGEMOUTH BASS	0.66	0.01
	LARGEMOUTH BASS	0.66	0.01
ANY CRAPPIE	WHITE CRAPPIE	0.93	0.30
	BLACK 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=MELTON HILL

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	0.48	6
02 FEBRUARY	0		0	0.64	10
03 MARCH	0		0	0.48	22
04 APRIL	7	1.12	5	0.52	33
05 MAY	7	0.75	2	0.99	23
06 JUNE	8	1.00	4	0.24	29
08 AUGUST	0		0	0.43	15
09 SEPTEMBER	17	0.60	2	0.91	20
10 OCTOBER	0		0	0.86	18
11 NOVEMBER	0		0	0.26	15
12 DECEMBER	0		0	0.00	1

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

LAKE=MELTON HILL

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	17910	6050	23960	23
MUSKELLUNGE	50260	53590	103850	47
ANY TROUT	580	390	970	1
STRIPED BASS	34030	14460	48490	33
ANY SUNFISH	3060	1300	4360	6
ANY BLACK BASS	8160	7350	15520	9
SMALLMOUTH BASS	1800	3750	5550	5
SPOTTED BASS	340	340	670	1
LARGEMOUTH BASS	133520	73110	206640	199
ANY CRAPPIE	31870	13770	45640	64
ANY SPECIES	60510	15070	75580	118
TOTAL	342040	189180	531230	506

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2010

LAKE=MELTON HILL

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	890	97.3
OTHERS	25	2.7

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
ANDERSON	410	46.1
KNOX	419	47.1
OTHERS IN TN	61	6.9

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	877	96.0
B) 26-100	19	2.1
C) 101-250	8	0.9
D) > 250	10	1.1

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	494	97.4
B) VACATION	13	2.6

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	487	96.1
B) 2-5	18	3.6
C) 6-10	2	0.4