

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2009

LAKE=MELTON HILL

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	5538	27.6	1.0	1291	0.2	5.3
02 FEBRUARY	4149	17.4	0.7	1220	0.2	4.0
03 MARCH	11049	30.5	1.9	2805	0.5	10.6
04 APRIL	9272	17.8	1.6	2183	0.4	8.9
05 MAY	16183	30.8	2.8	3995	0.7	15.6
06 JUNE	12332	10.3	2.2	3200	0.6	11.9
07 JULY	11871	14.3	2.1	2678	0.5	11.4
08 AUGUST	10612	4.4	1.9	2012	0.4	10.2
09 SEPTEMBER	11384	8.4	2.0	2406	0.4	11.0
10 OCTOBER	6938	11.9	1.2	1361	0.2	6.7
11 NOVEMBER	2835	23.5	0.5	803	0.1	2.7
12 DECEMBER	1667	22.0	0.3	506	0.1	1.6
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TOTAL	103830			24460		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2009

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	7366	33.3	1.33	18.0	1329	27.6	0.24	0.0
02 FEBRUARY	1494	17.7	0.36	2.7	83	17.4	0.02	0.0
03 MARCH	11049	40.6	1.00	25.5	1215	48.9	0.11	37.0
04 APRIL	7510	21.2	0.81	11.4	927	51.7	0.10	46.1
05 MAY	13756	33.9	0.85	13.5	324	63.2	0.02	53.8
06 JUNE	8386	21.5	0.68	18.7	863	51.0	0.07	51.1
07 JULY	9734	22.4	0.82	17.0	1187	52.0	0.10	51.6
08 AUGUST	9657	17.1	0.91	16.4	743	72.2	0.07	69.2
09 SEPTEMBER	12864	19.7	1.13	17.8	3643	52.8	0.32	51.2
10 OCTOBER	7909	29.9	1.14	27.2	1388	50.7	0.20	48.3
11 NOVEMBER	1503	52.4	0.53	45.3	340	84.4	0.12	80.9
12 DECEMBER	83	107.0	0.05	100.0	0	.	0.00	.
TOTAL	91311				12042			

SUMMARY OF SPECIES CATCH STATISTICS - 2009

LAKE=MELTON HILL

SPECIES	TOTAL	RSE	SPECIES	INTENDED	TOTAL	RSE	SPECIES	INTENDED	% OF	AVERAGE	NUMBER
	NUMBER	FOR	CATCH	NUMBER	NUMBER	FOR	HARVEST	NUMBER	CAUGHT	WEIGHT	FISH
	FISH	CATCH	COMPOSITION	CAUGHT	FISH	HARVEST	COMPOSITION	HARVESTED	FISH	(LBS)	RECORDED
	CAUGHT		(%)		HARVESTED		(%)		RELEASED		
CARP	1552	175.2	1.7	1293	0	.	0.0	0	100.0	.	0
BLACK BUFFALO	40	602.6	0.0	40	40	602.6	0.3	40	0.0	3.50	1
BLUE CATFISH	214	353.0	0.2	214	59	524.4	0.5	59	72.4	8.10	2
CHANNEL CATFISH	388	459.7	0.4	388	41	516.9	0.3	41	89.4	8.00	1
MUSKELLUNGE	214	375.7	0.2	214	0	.	0.0	0	100.0	.	0
RAINBOW TROUT	84	361.0	0.1	84	84	361.0	0.7	84	0.0	0.77	3
WHITE BASS	232	607.3	0.3	58	0	.	0.0	0	100.0	.	0
STRIPED BASS	2567	94.2	2.8	781	0	.	0.0	0	100.0	.	0
BLUEGILL	16397	25.9	18.0	15058	4909	34.9	40.8	4909	70.1	0.41	149
SMALLMOUTH BASS	5709	54.2	6.2	5609	59	242.2	0.5	59	99.0	4.13	2
SPOTTED BASS	2580	140.1	2.8	2141	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	35678	14.7	39.1	34874	980	43.8	8.1	980	97.3	2.36	29
WHITE CRAPPIE	17695	27.3	19.4	17045	4357	24.7	36.2	4300	75.4	0.96	76
BLACKNOSE CRAPPIE	27	792.8	0.0	27	27	792.8	0.2	27	0.0	1.40	1
YELLOW PERCH	1575	101.1	1.7	1170	894	81.4	7.4	787	43.2	0.72	25
FRESHWATER DRUM	1598	174.4	1.7	1090	0	.	0.0	0	100.0	.	0

SUMMARY OF FISHING EFFORT AND CATCH RATES FOR INTENDED SPECIES GROUPS - 2009

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	2811	32.6	643	2.7	0.19	57.5	0.07	0.0	11
MUSKELLUNGE	5585	19.3	1434	5.4	0.03	124.4	0.00		33
RAINBOW TROUT	142	98.8	33	0.1	0.75		0.75		1
STRIPED BASS	4537	22.5	1135	4.4	0.06	152.4	0.00		26
ANY SUNFISH	2581	36.1	629	2.5	1.53	34.6	0.75	63.1	8
ANY BLACK BASS	36280	9.3	8390	34.9	0.93	19.4	0.03	94.2	193
SMALLMOUTH BASS	422	71.3	104	0.4	0.17		0.00		2
LARGEMOUTH BASS	200	70.8	61	0.2	0.42	82.7	0.00		2
ANY CRAPPIE	13011	14.8	3164	12.5	0.96	33.6	0.28	48.2	91
ANY SPECIES	38258	9.5	8871	36.8	0.60	40.4	0.18	106.1	132
----- TOTAL	103827		24464						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2009

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	0.07	0.04
	CHANNEL CATFISH	0.12	0.03
ANY SUNFISH	ANY SUNFISH	0.00	0.00
	BLUEGILL	1.53	0.75
ANY BLACK BASS	SMALLMOUTH BASS	0.15	0.00
	SPOTTED BASS	0.06	0.00
	LARGEMOUTH BASS	0.95	0.03
ANY CRAPPIE	WHITE CRAPPIE	0.96	0.28
	BLACKNOSE CRAPPIE	0.00	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=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	0.17	7
02 FEBRUARY	0		0	0.00	3
03 MARCH	0		0	0.86	12
04 APRIL	0		0	1.14	25
05 MAY	5	0.67	2	1.26	19
06 JUNE	19	1.55	7	0.92	27
07 JULY	4	0.80	4	0.70	25
08 AUGUST	0		0	0.50	14
09 SEPTEMBER	35	1.26	3	1.20	22
10 OCTOBER	32	0.60	4	1.29	16
11 NOVEMBER	0		0	1.43	4
12 DECEMBER	0		0	0.42	2

**SUMMARY OF TRIP EXPENDITURES AND CONSUMER SURPLUS
FOR INTENDED SPECIES - 2009**

LAKE=MELTON HILL

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	12500	5480	17980	11
MUSKELLUNGE	42580	36810	79390	33
RAINBOW TROUT	500	0	500	1
STRIPED BASS	18460	14550	33020	26
ANY SUNFISH	7230	6910	14150	8
ANY BLACK BASS	174010	103920	277930	193
SMALLMOUTH BASS	520	1280	1800	2
LARGEMOUTH BASS	910	2730	3640	2
ANY CRAPPIE	49870	25340	75210	91
ANY SPECIES	73330	21830	95160	132
TOTAL	379910	218850	598780	499

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2009

LAKE=MELTON HILL

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

LAKE=MELTON HILL

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	940	97.6
OTHERS	23	2.4

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
ANDERSON	484	51.5
KNOX	349	37.1
OTHERS IN TN	107	11.4

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	915	95.2
B) 26-100	24	2.5
C) 101-250	16	1.7
D) > 250	6	0.6

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	489	98.2
B) VACATION	8	1.6
C) BUSINESS	1	0.2

DISTRIBUTION OF NUMBER OF DAYS IN TRIPS OF INTERVIEWED ANGLERS

NUMBER DAYS IN TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 1	481	96.8
B) 2-5	12	2.4
C) 6-10	1	0.2
D) 11-15	1	0.2
F) >20	2	0.4