

MONTHLY ANGLING EFFORT FOR ALL ANGLERS - 2009

LAKE=FT. LOUDOUN

MONTH	ANGLER HOURS	RELATIVE STANDARD ERROR	HOURS PER ACRE	ANGLER TRIPS	TRIPS PER ACRE	PERCENT EFFORT
01 JANUARY	13880	50.0	1.0	2610	0.2	6.3
02 FEBRUARY	3680	.	0.3	1338	0.1	1.7
03 MARCH	20668	16.9	1.4	4161	0.3	9.4
04 APRIL	24719	12.9	1.7	5527	0.4	11.2
05 MAY	29268	7.7	2.0	5969	0.4	13.3
06 JUNE	29210	6.1	2.0	6996	0.5	13.2
07 JULY	20915	31.2	1.4	5074	0.3	9.5
08 AUGUST	24608	49.6	1.7	5275	0.4	11.2
09 SEPTEMBER	21144	20.7	1.4	4458	0.3	9.6
10 OCTOBER	15607	7.0	1.1	3698	0.3	7.1
11 NOVEMBER	13437	20.6	0.9	3238	0.2	6.1
12 DECEMBER	3452	31.1	0.2	958	0.1	1.6
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TOTAL	220588			49302		

MONTHLY CATCH STATISTICS FOR ALL ANGLERS - 2009

LAKE=FT. LOUDOUN

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	14158	90.5	1.02	67.7	3886	57.7	0.28	26.0
02 FEBRUARY	0	.	0.00	.	0	.	0.00	.
03 MARCH	14881	22.0	0.72	13.9	2894	39.2	0.14	34.3
04 APRIL	44741	14.3	1.81	6.2	10629	31.3	0.43	28.4
05 MAY	57951	10.8	1.98	7.7	5854	12.7	0.20	10.0
06 JUNE	33592	13.4	1.15	11.9	3505	52.4	0.12	53.1
07 JULY	32837	49.3	1.57	36.3	2928	50.0	0.14	36.6
08 AUGUST	29284	50.3	1.19	7.5	3691	71.7	0.15	45.4
09 SEPTEMBER	26853	25.7	1.27	14.9	7189	38.8	0.34	31.7
10 OCTOBER	17636	14.3	1.13	12.5	6711	22.7	0.43	21.6
11 NOVEMBER	19618	26.9	1.46	17.0	7659	28.6	0.57	19.6
12 DECEMBER	8285	57.0	2.40	45.7	5040	55.1	1.46	43.4
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TOTAL	299836				59986			

SUMMARY OF SPECIES CATCH STATISTICS - 2009

LAKE=FT. LOUDOUN

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	237	970.9	0.1	237	49	1200.0	0.1	49	79.3	22.50	1
BLUE CATFISH	4923	98.0	1.6	4841	2536	87.2	4.2	2464	48.5	6.22	35
CHANNEL CATFISH	2342	184.8	0.8	2155	742	212.8	1.2	607	68.3	5.08	11
WHITE BASS	15842	72.5	5.3	10525	813	130.1	1.4	452	94.9	1.41	9
STRIPED BASS	12257	76.2	4.1	3960	0	.	0.0	0	100.0	.	0
BLUEGILL	35974	28.5	12.0	26464	10247	33.8	17.1	7912	71.5	0.58	158
SMALLMOUTH BASS	17345	45.0	5.8	14984	363	170.1	0.6	363	97.9	3.16	5
SPOTTED BASS	2364	273.6	0.8	2273	0	.	0.0	0	100.0	.	0
LARGEMOUTH BASS	89841	14.6	29.9	83179	2363	44.0	3.9	2268	97.4	2.89	25
WHITE CRAPPIE	96979	14.4	32.3	95622	37742	15.0	62.9	37592	61.1	0.97	502
BLACK CRAPPIE	3430	101.9	1.1	3430	2628	81.4	4.4	2628	23.4	1.19	34
BLACKNOSE CRAPPIE	248	896.4	0.1	248	120	582.9	0.2	120	51.6	1.20	2
FRESHWATER DRUM	3402	236.4	1.1	928	0	.	0.0	0	100.0	.	0

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

LAKE=FT. LOUDOUN

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	14431	19.6	3241	6.5	0.70	43.9	0.25	48.8	36
WHITE BASS	2901	49.0	651	1.3	1.62		0.00		3
STRIPED BASS	2654	45.0	590	1.2	1.03	210.9	0.00		6
ANY SUNFISH	6114	30.2	1380	2.8	2.50	53.8	1.40	41.9	14
ANY BLACK BASS	78936	11.1	17384	35.8	1.23	19.3	0.03	115.6	226
SMALLMOUTH BASS	710	71.5	154	0.3	0.77		0.15		2
LARGEMOUTH BASS	1002	56.7	245	0.5	0.46	0.0	0.09	0.0	4
ANY CRAPPIE	62013	10.0	13850	28.1	1.74	23.5	0.75	23.6	167
SAUGER	3139	18.7	990	1.4	0.00		0.00		5
ANY SPECIES	48685	12.4	10819	22.1	0.70	29.5	0.08	106.9	81
----- TOTAL	220585		49304						

SUMMARY OF RELATIVE SPECIES CATCH RATES
WITHIN TARGET GROUPS - 2009

LAKE=FT. LOUDOUN

TARGET GROUP	SPECIES WITHIN TARGET GROUPS	RELATIVE CATCH RATE	RELATIVE HARVEST RATE
ANY CATFISH	ANY CATFISH	0.00	0.00
	BLUE CATFISH	0.48	0.20
	CHANNEL CATFISH	0.22	0.05
ANY SUNFISH	BLUEGILL	2.50	1.40
ANY BLACK BASS	SMALLMOUTH BASS	0.19	0.00
	SPOTTED BASS	0.03	0.00
	LARGEMOUTH BASS	1.03	0.03
ANY CRAPPIE	WHITE CRAPPIE	1.68	0.70
	BLACK CRAPPIE	0.06	0.05
	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=FT. LOUDOUN

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	0.19	8
03 MARCH	0		0	0.72	23
04 APRIL	26	1.50	3	1.92	18
05 MAY	0		0	1.48	37
06 JUNE	4	0.00	4	1.27	15
07 JULY	3	1.00	2	1.08	24
08 AUGUST	24	0.30	4	1.18	22
09 SEPTEMBER	3	0.67	2	1.51	27
10 OCTOBER	0		0	1.21	26
11 NOVEMBER	0		0	1.35	14
12 DECEMBER	0		0	0.00	3

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

LAKE=FT. LOUDOUN

INTENDED SPECIES	TOTAL TRIP EXPENDITURES	TOTAL CONSUMER SURPLUS	TOTAL VALUE BY ANGLERS	NUMBER OF INTERVIEWS
ANY CATFISH	45800	21050	66850	36
WHITE BASS	35690	2620	38300	3
STRIPED BASS	7590	8490	16080	6
ANY SUNFISH	15800	6280	22070	14
ANY BLACK BASS	386360	404730	791090	226
SMALLMOUTH BASS	3920	1920	5840	2
LARGEMOUTH BASS	6890	3830	10720	4
ANY CRAPPIE	198060	82160	280210	167
SAUGER	13690	4110	17800	5
ANY SPECIES	110130	24680	134810	81
----- TOTAL	823930	559870	1383770	544

SUMMARY OF SOCIOLOGICAL QUESTIONS - 2009

LAKE=FT. LOUDOUN

DISTRIBUTION OF STATES OF RESIDENCE OF INTERVIEWED ANGLERS

STATE	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
TN	1020	99.7
OTHERS	3	0.3

DISTRIBUTION OF COUNTIES OF RESIDENCE OF INTERVIEWED ANGLERS

COUNTY	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
BLOUNT	435	42.5
KNOX	453	44.3
LOUDON	65	6.4
OTHERS IN TN	67	6.5
OUT-OF-STATE	3	0.3

DISTRIBUTION OF ONE-WAY MILEAGE OF ANGLERS INTERVIEWED

ONE-WAY MILES TRAVELED	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) 0-25	995	97.3
B) 26-100	26	2.5
C) 101-250	2	0.2

DISTRIBUTION OF REASONS WHY INTERVIEWED ANGLERS MADE THE TRIP

REASON FOR TRIP	NUMBER ANGLERS INTERVIEWED	PERCENT CONTRIBUTION
A) FISHING	543	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	541	99.4
B) 2-5	3	0.6