#### Creel Survey Summary 2008

A creel survey is a technique for estimating fishing effort by interviewing anglers and surveying their catch. Creel surveys were conducted in Metro Parks, Serving Summit County parks in 2008. Fourteen fishing locations within the parks were selected to be surveyed in an effort to estimate the importance and use fishing serves. The creel survey was organized by the Natural Resource Management Department and conducted by the Ranger Department. These surveys were completed in an effort to understand the current role fishing plays in the park district. Answers to these questions will help guide future management recommendations for these areas.

Fishing locations surveyed included the Cuyahoga River at Cascade Valley and Gorge Metro Parks, as well as at the Bike & Hike Trail at S.R. 91. The Tuscarawas River was surveyed in Firestone Metro Park. Fishing locations at Firestone Metro Park that were also surveyed included Little Turtle Pond and the Race. Brushwood Lake in Furnace Run Metro Park, Alder Pond in Goodyear Heights, Heron Pond in Munroe Falls, Long Lake at the Ohio and Erie Canal/S.R. 93 and the Canal were all included in the survey. Big Oak, Piney Pond and Silver Creek Lake in Silver Creek Metro Park were also included in the surveys.

The creel survey was modeled after the Inland Creel Survey established by the Ohio Department of Natural Resources, Division of Wildlife. (ODOW) They have been conducting creel surveys for many years on their inland reservoirs. Metro Parks' surveys were tailored for smaller water bodies that lacked the large draw most sport-fishing reservoirs hold. The survey included seventeen questions which could be answered with one word or less (refer to Appendix A for survey form). Many questions had multiple choice answers for ease of use and data analysis.

Rangers were trained to conduct the angler interviews in March and conducted survey during spring and summer at these locations. Sixty-nine surveys representing 10 fishing locations were completed over the course of the season. Seventy-two percent of the anglers surveyed were male and 26% were female. Most of the anglers surveyed in both categories were under the age of 40. Raw data is listed in Appendix B.

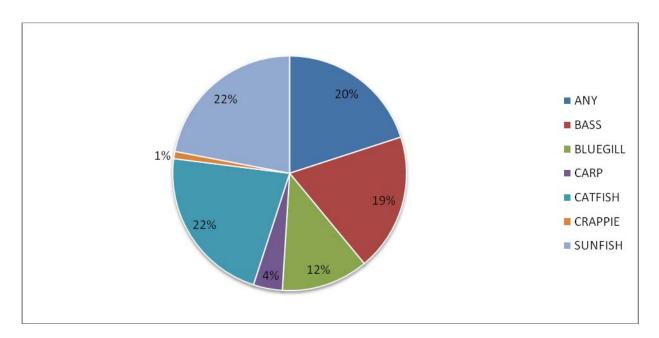
Silver Creek Lake was the most surveyed fishing location within the parks, followed by Little Turtle Pond. Table I illustrates the number of surveys completed at each fishing location and also compiles the surveys by park. Some fishing locations were not surveyed at all including the Cuyahoga River in Gorge Metro Park or at the Bike & Hike Trail at S.R. 91, the Race in Firestone Metro Park, the Canal along the Ohio and Erie Canal/S.R. 93, and Big Oak and Piney Pond in Silver Creek Metro Park.

Table 1. Number of Creel Surveys Completed by Fishing Location in Metro Parks, Serving Summit County, 2008.

Location/ Park	CV	FR	FS	GH	MF	SC	TP
ALDER POND				2			
BIG OAK						4	
BRUSHWOOD		5					
CANAL							6
CUYAHOGA	7						
HERON POND					3		
LAKE						17	
LONG LAKE							5
TURTLE POND			15				
TUSCARAWAS			5				
Grand Total	7	5	20	2	3	21	11

The Metro Parks was interested in determining what type of fish anglers were targeting while fishing in the parks (Graph I). While an equal number of anglers where targeting sunfish species and catfish (22%), just as many anglers where happy to catch any species (20%). Bass were also a favorite at 19%.

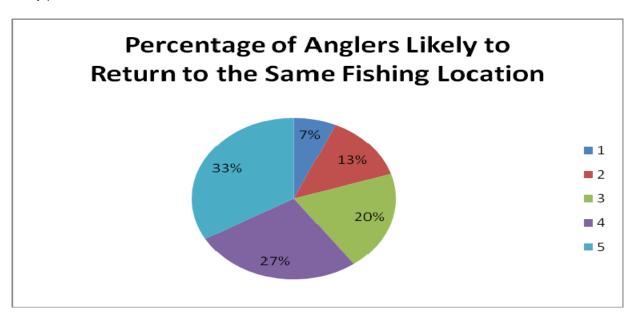
Graph I. Target Species Sought by Anglers in Metro Parks, Serving Summit County, 2008.



Anglers reported that they fished a total number of 2,989 days in the state of Ohio and that 2,382 of those were fished in Summit County (80%). Of those days fished in Summit County, 1,258 were fished at the park location where the angler was surveyed, or 42%.

Of the anglers surveyed (69), 33% said they were highly likely to return to the same fishing location again. An additional 27% felt they were very likely to return. Graph 2 illustrates the responses of anglers when asked if they were likely to return to the same fishing location on a scale of 1 to 5.

Graph 2. Percentage of Anglers Likely to Return to the Same Fishing Location Surveyed. (Surveyed conducted on a scale of 1 to 5 with 5 being the most likely and 1 being the least likely.)



When asked how important the fishing location was to anglers, 75% felt is was extremely important for them to be able to fish at the location where they were surveyed. Again, the question was held on a scale of I to 5. No angler interviewed gave this question a score lower than 3.

While the creel surveys answer some interesting questions about the anglers in the parks and the importance of these fishing locations to park partrons, the sample size is extremely small. In 2006, there were almost 800,000 fishing licenses sold in the state of Ohio. Nearly 40,000 were sold in Summit County alone (Appendix C).

Interestingly, the greatest number of licenses sold were from the 44203 zip code, the same area as Silver Creek Metro Park (Appendix D). This could be a coincidence because it is a very large zip code in a rural part of the county. However, it is where 25% of the creel surveys were conducted (refer to Appendix D). A large number of surveys (20 surveys, or 29%) came from Firestone Metro Park where Little Turtle Pond and the Tuscarawas River were surveyed. This map also displays where the angler resides by zip code. As you can see many of the anglers surveyed came from within Summit County. However, Cuyahoga, Portage, Stark, Wayne and Medina counties were also represented.

Half of the anglers travelled between two and ten miles to the fishing locations where they were surveyed. Another 30% traveled less than two miles to reach their destination. It is clear that the majority of anglers in the parks are fishing close to home. It would be interesting to know if this is a product of high gas prices this year, or if this occurs every year.

Seventy percent of anglers surveyed do not eat any meals caught in the parks. Twenty percent claimed to eat I-II meals, while 10% ate II+ meals from the parks. Similarly, 16% found it extremely important to eat the fish they caught in the parks and 44% found it un-important to them to eat their catch.

#### **Conclusions**

The creel survey asked some very interesting questions of anglers in our parks. Unfortunately the number of surveys is very small compared to the total number of fishing licenses sold to Summit County residents. Because of this small samples size, reporting on the findings of the study is difficult. However, generalizations and observations from the data are useful. Caution should be taken when using this small data set and therefore weak information to make resource management plans.

# Appendix A Angler Interview Form



#### **Angler Interview Sheet**

Date: Time:

Park/Fishing Location:CV - Cuyahoga RiverFP - Cuyahoga RiverFP - RaceFP - Turtle PondGO - RiverFR - BrushwoodGH - AlderMF - HeronPondSC - Big OakSC - LakeSC - Piney PondBHT /Rt. 9I - Cuyahoga RiverOET/Rt. 93 - Long LakeOET/Rt. 93 - Canal

What time did you start fishing today? (24hr format)

If not obvious, how many people in your party are fishing?

What are you fishing for today? (name one target species)

What kinds of fish and how many of each did you (or your party) catch and release?

Species	# Released	# Kept
Black Bass (large and smallmouth bass)		
Crappie (black and white)		
Sunfish (any sunfish species)		
Catfish (any catfish species)		
White bass, white perch or hybrid		
Saugeye		
Muskie		
Pike		
Trout		

How much did you (and your party) spend on items such as gas, bait, food, lodging or related items for today's fishing trip?

0-\$25 \$26-\$50 \$50-\$100 \$100+

<u>Angler Information</u> (these questions should be estimated by the creel clerk)

Gender: F M Ethnicity: Caucasian Afro-American Hispanic Asian

**Age:** < 16 years 16-40 40-65 66+

What is the zip code at your residence?

How far do you live from this fishing location? 0-2 miles 2-10 miles 10-4

Have you been interviewed while fishing this reservoir during 2008? YES  $\ensuremath{\mathsf{NO}}$ 

If yes, END SUVEY. If no, continue.

How many days did you fish in Ohio during 2008?

Of those days, how many were spent fishing in Summit County? In this location?

On a scale of I to 5, with I being not likely and 5 being extremely likely, how likely are you to return here to fish? I 2 3 4 5

On a scale of I to 5, with I being not important and 5 being extremely important, how important is it for you to eat the fish you catch at this location?  $1 \quad 2 \quad 3 \quad 4 \quad 5$ 

On a scale of I to 5 with I being not important and 5 being very important, how important is it for you to be able to fish at this location?

1 2 3 4 5

How many meals of fish do you eat per year from this location?

Comments from Staff:

**Comments from Angler:** 

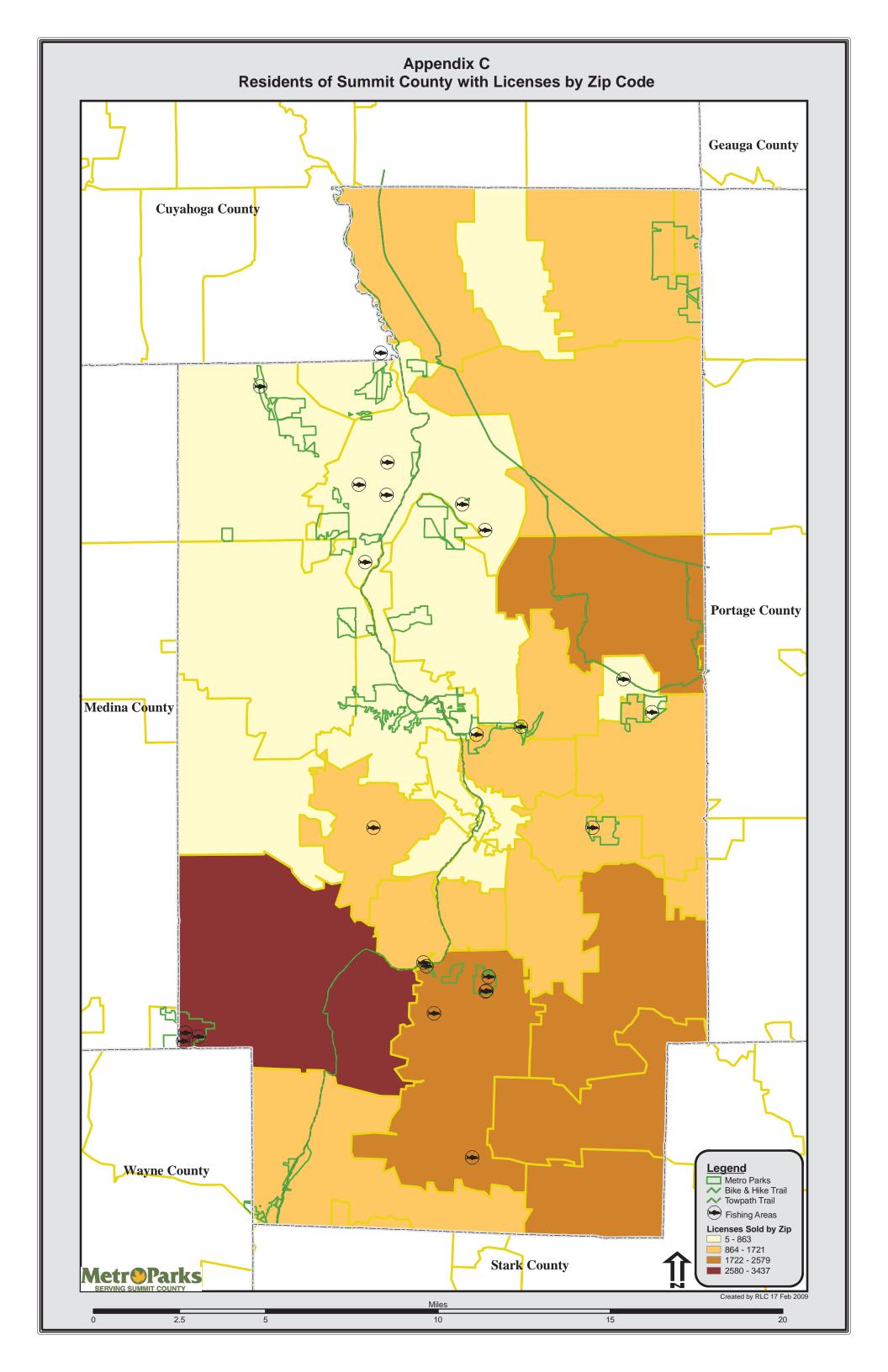
Appendix B

Raw Data

MONTH DATE YEAR TIME PARK LOCATION TIME PARTY	# TARCET DI ACK DASS D CRADDIS D	CUNCICUD CATEICUD	WHITE B CALICEYER M	LIEVIE D DIVE D	TROUT B BLACK BASS	N CDADDIE N CLINEICH N CAT	EIGH K WHITE K GALICEVE	MIIENIE V	DIVE V TROUT V M	ONEY CENDER	ETHNICITY ACI	ZIR CODE	DISTANCE PREV.INTERVIEW	IN OHIO IN	I CLIMMIT AT	LOCATION DETUR	N EAT IMPORTANT	NCE MEALS
		SONFISH R CATFISH R	WHITER SAUGETER IN	OSKIEK FIKEK	I ROUT K BLACK BASS	CRAFFIER SONFISH & CAT	FISH K WHITE K SAUGETET	K PIOSKIEK I	FIRE K TROOT K IFI							LOCATION RETUR	T EAT INFORTANC	TCE PIEALS
	I BASS 2	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M		40 44262	0 NO	150	150	60	5 1	
7 28 2008 16:20 MF HERON POND 15:00	3 bass 0	0 0 11	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 F		16 44224	2 NO	30	30	5	4 1	3
7 25 2008 17:45 MF HERON POND 16:15	4 BLUEGILL 2	0 8 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	0 44313	2 NO	4	4	1	3 1	4
6 27 2008 19:50 SC BIG OAK 13:00	3 BASS 2	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	16 44230	0 NO	50	30	30	5 3	5 !
	2 BLUEGILL 0	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	16 44333	10 NO		- 1	1	5 3	5
	4 ANY 0			0 0	0	0 0	0 0	0 0	0 0	0 M			2 NO	14	14	-	<del>1 1</del>	
		0 1 0	0 0	0 0	U	0 0	0 0	0 0									-1	4
	3 BASS 2	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M		16 44230	0 NO	50	30	30	5 3	5 1
5 10 2008 1:00 TP LONG LAKE 12:15	2 CATFISH 0	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	16 44230	10 NO					
5 9 2008 14:30 TP LONG LAKE 13:30	2 CATFISH 0	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	AFRO-AMERICAN	16 44312	2 NO	30	15	- 1	4 5	5
	2 CRAPPIE 0 I	15 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M		40 44310	10 NO					
	2 CATFISH 0		0 0	0 0	•	0 0	0 0	0 0	0 0	0 M		40 44203	2 NO	14	14	•		
		0 0	, , ,	0 0	0	0 0	0 0	0 0	0 0					14	14	U	3 3	5
7 7 2008 12:00 TP LONG LAKE 10:30	I BLUEGILL 0	0 5 I	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M	AFRO-AMERICAN	66 44314	0 YES					
6 15 2008 20:30 TP CANAL 17:30	I BLUEGILL 0	0 2 0	0 0	0 0	0	0 0 2	0 0	0 0	0 0	0 M	AFRO-AMERICAN	66 44320	2 NO	100	100	100	5 5	5 !
2008 TP CANAL 13:00	I BLUEGILL 0	0 1 0	0 0	0 0	0	0 0 1	0 0	0 0	0 0	0 M	AFRO-AMERICAN	66 44306	2 NO				4 1	5
6 24 2008 10:35 TP CANAL 10:00	3 BLUEGILL 0		9 9	0 0			0 0	0 0	0 0	0 F		40 44203	2 NO	-	- 4		3 1	
		0 0	, 0	0 0	U	0 0	0 0	0 0	0 0					3				3
6 6 2008 13:50 TP CANAL 13:00	I BLUEGILL 0	0 5 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M		16 44203	0 NO	330	300	60	5 2	5
6 6 2008 21:00 TP CANAL 19:45	2 ANY I	0 1 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 F	CAUCASIAN	16						
7 7 2008 TP CANAL 10:00	2 BLUEGILL 0	0 8 0	0 0	0 0	0	0 0 8	0 0	0 0	0 0	0 M	AFRO-AMERICAN	40 44320	10 NO	15	15	0	5 3	5
7 II 2008 19:15 SC LAKE 18:15	I CATFISH 0	1 2 0		0 0	0	0 0	0 0	0 0	0 0	0 M		16 44230	0 YES	1 1	1			-
	2 CATFISH 0			0 0	0	0 0	0 0	- 0	0 0	0 F			2 NO	IE0	100	20	-	-
		0 0	, 0	0 0	U	0 0	0 0	0 0	0 0					150		30	3 1	- 3
	I SUNFISH 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M		40 44203	2 NO	60	57	30	5 2	5 2
6 24 2008 19:10 SC LAKE 19:05	I BASS 0	0 0	0 0	0 0	0	0 0	0	0 0	0 0	0 M	CAUCASIAN	16 44281	2 NO	120	50	30	5 1	5
6 24 2008 18:50 SC LAKE 18:45	I ANY 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M		66 44270	2 NO	175	175	175	5 4	5
6 24 2008 18:50 SC LAKE 18:50	I ANY 0	0 0		0 0	0		0 0	0 0	0 0	0 M		40 44314	2 NO	175	175	175	5 2	5
		3 0		0 0	0	<u> </u>	9 9	0 0	0 0	0 F						1/3		
6 24 2008 18:40 SC LAKE 18:15	3 SUNFISH 0	2 0 0	0 0	υ 0	U	1 0	0 0	0	0 0			40 44203	2 NO	120	120	110	3 5	5 10
6 24 2008 18:32 SC LAKE 18:30	2 ANY 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 F		66 44306	10 NO	16	13	- 1	4 2	4
6 27 2008 18:55 SC LAKE 18:30	5 CATFISH 0	0 0 0	0 0	0 0	0	0 0 0	1 0	0 0	0 0	0 M	CAUCASIAN	40 44071	2 NO	10	0	0	5 5	5
	4 ANY 0	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	44203	2 NO	0	0	0	5 1	5
				0 0		0 0		0 0	0 0	0 M				25		,	<del>-       -                              </del>	
	2 CATFISH I	0 0	, , ,	0 0	0	0 0	0 1	0 0	0 0	-			2 NO	25	4	4	5 4	5
7 10 2008 19:10 SC LAKE 18:30	I CARP 0	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M	CAUCASIAN	40 44333	2 NO	30	20	20	4 1	4
7 10 2008 18:55 SC LAKE 17:30	I CATFISH 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	40 44281	2 NO	8	2	2	5 5	5
7 10 2008 18:50 SC LAKE 18:45	4 CATFISH 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	16 44281	2 NO	180	60	60	5 2	5 '
	2 BASS 0	0 0		0 0	0	0 0	0 0	0 0	0 0	0 M		16 44203	2 NO	100	50	10	5 1	- 2
				0 0			9	0 0	0 0				The second secon	100	30		-	
	4 SUNFISH 0	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M		16 44203	0 NO	4	2	ı	2 1	3
7 7 2008 15:00 SC LAKE 14:15	2 SUNFISH 0	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M		16 44305	10 NO	0	0	0	4 1	3
8 20 2008 17:00 FS TURTLE POND 17:00	I ANY 0	0 8 0	0 0	0 0	0	0 0 2	0 0	0 0	0 0	0 F	CAUCASIAN	0 44312	2 NO	100	100	4	5 4	5
8 20 2008 18:10 FS TURTLE POND 17:30	3 ANY 0	0 1 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M	CAUCASIAN	0 44306	0 NO	0	0	0	5 1	5
7 16 2008 20:30 FS TURTLE POND 19:30	7 CATFISH 0	0 0	0 0	0 0			0 0	0 0	0 0	0 F	CAUCASIAN	0 44203	10 NO	24	12	12	F 3	-
		0 0 2	0 0	0 0	U	0 0	0 0	0 0	0 0							12	3 4 —	3
7 16 2008 20:30 FS TURTLE POND 19:30	7 CATFISH 0	0 0 2	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M	CAUCASIAN	0 44203	10 NO	24	12	12	5 2	5
7 16 2008 20:30 FS TURTLE POND 19:30	7 CATFISH 0	0 0 2	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	0 44203	10 NO	24	12	12	5 2	5
7 16 2008 20:40 FS TURTLE POND 20:15	2 ANY 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	0 44319	0 NO	60	60	45	5 1	5
7 31 2008 19:00 FS TURTLE POND 17:15	3 ANY 2	0 1 0	0 0	0 0	n	2 0 1	0 0	0 0	0 0	0 M	CAUCASIAN	0 44319	0 NO	30	30	15	5 1	5
	2 SUNFISH 0		0 0	0 0			0 0	0 0	0 0	0 F	0.00.00.0	0 44312	0 NO	12	10		- 1	
		0 10 0	, 0	0 0	ů .	0 0	0 0	0 0	0 0						12	U	3 1	3
	2 SUNFISH 0	0 12 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 F	CAUCASIAN	0 44312	0 NO	12	12	0	5 I	5
7 18 2008 20:06 FS TURTLE POND 18:30	I CARP 0	0 0 1	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M		0 44203	2 NO	0	0	0	5 I	5
7 18 2008 19:55 FS TURTLE POND 18:00	2 ANY	0 0 0	0 0	0 0	0	0 0	0	0 0	0 0	0 F	CAUCASIAN	0 44314	0 NO	5	5	5	5 1	5
6 15 2008 21:00 FS TURTLE POND 17:00	2 ANY 0	0 4 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 F	CAUCASIAN	0 44314	0 NO	30	30	30	5 1	4
	2 CATFISH 0	1 1		2 0	0		0 0	0	0 0	0 M	AFRO-AMERICAN		2 NO			30		
		3 2	0 0	0 0	U	0 0	0 0	0 0	0 0				The second secon	60	50	3	3 1	٥ ا
	2 SUNFISH 0	U 4 0	0 0	0 0	0	U 4 0	0 0	υ 0	0 0	0 M	CAUCASIAN	0 44278	10 NO	2	2	2	5 5	4
6 24 2008 14:15 FS TURTLE POND 13:45	2 SUNFISH 0:00	0 2 0	0 0	0 0	0	0 0	0	0 0	0 0	0 F	CAUCASIAN	0 44203	2 NO	2	2	2	4 2	3
8 20 2008 19:00 FS TUSCARAWAS 17:00	I ANY 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 M	AFRO-AMERICAN	16 44306	0 NO	40	40		4 3	5
8 20 2008 19:06 FS TUSCARAWAS 18:30	I CATFISH 0	0 0	0 0	0 0	0	0 0	0 0	0 0	0 0	0 M		16 44307	0 NO	20	20		5 4	4
7 16 2008 21:00 FS TUSCARAWAS 19:00	I CARP 0			,	0		0 0	0 0	0 0	0 F		16 44319	0 NO	60	50	40		-
		0 0	, 0	0 0	U	0 0	0 0	0 0	0 0							40	3 3	3 2
	4 SUNFISH 0	0 8 0	0 0	0 0	0	1 4 15	0 0	0 0	0 0	0 M		16 44306	2 NO	200	200	50	5 4	4 2
6 6 2008 13:24 CV CUYAHOGA 13:00	I BASS I	0 0	0 0	0 0	0	1 0 0	0 0	0 0	0 0	26 M	AFRO-AMERICAN	40 44306	0 NO				5 4	5 !
6 15 2008 14:00 CV CUYAHOGA 14:00	2 BASS 0	0 0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 F		16 44305	2 NO	10	5	0	4 3	5
6 15 2008 12:42 CV CUYAHOGA 9:00	2 BASS 8	0 0		0 0	0		0 0	0 0	0 0	0 M		16 44221	2 NO	50	I.E.	15	5 1	
				5 .	0	<u> </u>	9 9	0	0	-					13	13		
6 5 2008 14:15 CV CUYAHOGA 13:15	I BASS 3	0 0	0 0	υ 0	U	0 0	0 0	0	0 0	0 M		16 44305	2 NO	25	20	10	3 I	5
8 I 2008 II:20 CV CUYAHOGA I3:00	2 BASS 2	0 0 0	0 0	0 0	0	2 0 0	0 0	0 0	0 0	0 F		16 44641	10 NO	30	4	4	5 I	5
8 I 2008 17:30 CV CUYAHOGA 13:30	2 BASS 2	0 0 0	0 0	0 0	0	2 0 0	0 0	0 0	0 0	0 M	CAUCASIAN	40 44641	2 NO	50	25		5 2	5
6 5 2008 14:00 FS TUSCARAWAS 14:00	2 SUNFISH 0	0 0	0 0	0 0	0	0 0 0	0 0	0 0	0 0	0 F		40 44301	2 NO	4	3	3	3 5	3
	2 SUNFISH 0			0 0	0	0 0	0 0	0 0	0 0	0 M		40 44301	2 NO	4	3	2	3 5	
		0 0	, 0	0 0	0	0 0	0	0	0 0	0 11				1	3	3	3 3	- 3
6 5 2008 14:00 FS TUSCARAWAS 14:00		0 0 1	0 0	0 0	0	0 0	0 0	υ 0	0 0	0		16 44147	2 NO	5	5	5	5 1	5
6 5 2008 14:00 FS TUSCARAWAS 14:00 7 13 2008 14:00 FR BRUSHWOOD 11:00	2 CATFISH 0		ni ol ol	0 0	0	0 0 1	0 0	0 0	0 0	0 F		16 44125	10 NO	10	4	4	5 3	5
6 5 2008 14:00 PS TUSCARAWAS 14:00 77 13 2008 14:00 FR BRUSHWOOD 11:00 6 10 2008 17:10 FR BRUSHWOOD 15:30	4 SUNFISH 0	0 1 0	1 1															r
6 5 2008 14:00 FS TUSCARAWAS 14:00 7 13 2008 14:00 FR BRUSHWOOD 11:00		0 1 0	0 0	0 0	0	0 0 1	0 0	0 0	0 0	0 M	CAUCASIAN	16 44125	10 NO	10	4	4	5 3	9
6 5 2008 14:00 PS TUSCARAWAS 14:00 7 13 2008 14:00 PR BRUSHWOOD 11:00 6 10 2008 17:10 PR BRUSHWOOD 15:30 6 10 2008 17:10 PR BRUSHWOOD 15:30	4 SUNFISH 0	0 1 0	0 0 0	0 0	0	0 0 1	0 0	0 0	0 0			- 1	10 NO 2 NO	10	10	4	5 3	5
6 5 2008 14:00 FS TUSCARAWAS 14:00 7 13 2008 14:00 FR BRUSHWOOD 11:00 6 10 2008 17:10 FR BRUSHWOOD 15:30 6 10 2008 17:10 FR BRUSHWOOD 15:30 6 18 2008 19:30 FR BRUSHWOOD 19:30	4 SUNFISH 0 4 SUNFISH 0 1 ANY 0	0 1 0	0 0	0 0	0	0 0 1	0 0	0 0	0 0	50 M	CAUCASIAN	40 44147	2 NO	10	10	0	5 3 4 I	5
6 5 2008 14:00 PS TUSCARAWAS 14:00 7 13 2008 14:00 PR BRUSHWOOD 11:00 6 10 2008 17:10 PR BRUSHWOOD 15:30 6 10 2008 17:10 PR BRUSHWOOD 15:30 6 18 2008 19:30 PR BRUSHWOOD 15:30 6 18 2008 19:30 PR BRUSHWOOD 19:30 6 18 2008 20:05 PR BRUSHWOOD 19:15	4 SUNFISH 0 4 SUNFISH 0 1 ANY 0 1 BASS 2	0 1 0 0 1 0 0 0 0 0 0 0	0 0 0	0 0 0 0 0 0	0 0	0 0 1	0 0 0 0 0 0 0 0	0 0	0 0 0 0 0 0	50 M 0 M	CAUCASIAN CAUCASIAN	40 44147 40 44125	2 NO 10 NO		10	0	5 3 4 1 5 2	5
6 5 2008 14:00 F5 TUSCARAWAS 14:00 7 13 2008 14:00 FR BRUSHWOOD 11:00 6 10 2008 17:10 FR BRUSHWOOD 15:30 6 10 2008 17:10 FR BRUSHWOOD 15:30 6 18 2008 19:30 FR BRUSHWOOD 19:30 6 18 2008 20:05 FR BRUSHWOOD 19:10 7 4 2008 20:50 GH ALDER POND 20:50	4 SUNFISH 0 4 SUNFISH 0 1 ANY 0 1 BASS 2 1 SUNFISH 0	0 I C C C C C C C C C C C C C C C C C C	0 0 0	0 0 0 0 0 0 0 0	0 0 0	0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	50 M 0 M 0 M	CAUCASIAN CAUCASIAN AFRO-AMERICAN	40 44147 40 44125 16 44305	2 NO 10 NO 0 NO	10	4 10 60 0	0	5 3 4 1 5 2 5 2	5 5
6 5 2008 14:00 PS TUSCARAWAS 14:00 7 13 2008 14:00 PR BRUSHWOOD 11:00 6 10 2008 17:10 PR BRUSHWOOD 15:30 6 10 2008 17:10 PR BRUSHWOOD 15:30 6 18 2008 19:30 PR BRUSHWOOD 19:30 6 18 2008 20:05 PR BRUSHWOOD 19:15	4 SUNFISH 0 4 SUNFISH 0 1 ANY 0 1 BASS 2	0 I 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0	0 0 1 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	50 M 0 M	CAUCASIAN CAUCASIAN AFRO-AMERICAN	40 44147 40 44125	2 NO 10 NO	10	4 10 60 0 40	0 0 40	5 3 4 1 5 2 5 2 5 1	5 5 5 5

### Appendix C

Residence with Licenses in Summit County by Zip Code



## Appendix D Creel Survey Summary

