

African-American Anglers Project

Dunbar Association, Inc.

Methodology

Upon determining the scope of the survey instrument, a test instrument was designed and tested. This instrument was black and white text, and the illustration of the fish, were black line drawings on white paper. The results of the test revealed the following:

- 1) People were willing to participate in the survey.
- 2) A personal approach proved most successful in getting the respondents to participate.
- 3) Although rather long, most respondents would complete the survey.
- 4) Color prints of the fish were needed to insure an accurate representation of the fish. The color prints used in the final survey were scanned from the posters, Fish of the Great Lakes and Freshwater Game Fish of North America.

The survey was conducted during the spring and summer of 1997. The majority of the surveys were completed at two beauty salons, three barbershops, and one newsstand.

The support **and** the permission of the owners of these establishments were sought prior to administering the survey. This was accomplished through a face to face meeting with the owner of each business. The nature and the purpose of the project was explained with by the agency Executive Director accompanied by the intern. At this initial meeting the intern working on the project was introduced to the owner, and the letter explaining the project was presented. The intern and the owner then made arrangements for when and where in the shop the survey could be administered. The intern worked within the establishments normal business. Several auto repair shops **and** car wash facilities were

also used as survey locations. At these locations, the questionnaire was left and picked up later at an agreed upon time. The surveys were completed while customers waited for their turn at the beauty salons and barbershops and at the newsstand between cups of coffee and conversation. Additional locations included community events, such as church gatherings.

The intern would approach each potential respondent and asked if they would like to participate in the study, the respondent was presented with the letter explaining the purpose of the project. If they person agreed to participate then they were given the survey on a clipboard with a pencil. If the respondent decided that he or she did not want to participate they were thanked for their time and the intern left them alone.

The analysis was conducted using the Statistical Package for Social Sciences (SPSS 7.5) for Windows.

Results

Respondent demographics:

Fifty-four percent (**54%**) of the respondents were between the ages of **30** – 49 years old with one individual indicating they were over seventy years of age. Males comprised 75% of those persons completing the survey. African-Americans were **93%** of the respondents that chose to identify their ethnicity, Latino, European American, a person of African descent each **2%**. The number of years the participants resided in Syracuse was relatively evenly distributed from less than one year to **48** years. Previous places of residences were dominated by southern states, South Carolina, Georgia, Florida,

Louisiana, Maryland, North Carolina, Washington, D.C. , Delaware, Virginia, Alabama, and Tennessee. Other states included Ohio, California, and Massachusetts.

The number of surveys completed during this time (N=52) is less than the stated goal for the project. Therefore, the analysis focused on determining patterns in the responses.

How Often Do **They** Fish?

When asked, how often do they fish during the season, the most frequent response at 28% (N=14) was almost everyday, followed by *once or twice per year* at 26% (N=13). The remainder of the respondents were equally divided among the other categories.

Regarding the consumption of the fish they caught 78% (N=36) indicated that they *sometime, often, or always ate* the fish they caught. This is consistent with one of the findings of the reasons why they fished. Forty-one percent (N=15) indicated that fishing for food was *somewhat to very important*.

Aesthetics

The aesthetics of fishing were examined from two perspectives: the personal experience for the individual, and the attributes of the fishing site. To be with friends, experience nature, for sport and relaxation, *were somewhat to very important* to 75% of the respondents. Eighty-eight percent of the respondents stated that fishing was a desirable activity because it was relaxing.

The attributes of the fishing site included such items as 1) water clarity, 2) the smell, 3) the color of the water, 4) the abundance of plants in the water, 5) objects, including trash, in the water and, 6) the condition of the shoreline and public health advisory. With the exception of the abundance of aquatic plants, more the 75% of the respondents agreed that the stated site indicators played an important role in selecting a fishing site. The abundance of aquatic plants may play a role in whether the angler remains at a location. If the person gets hung up several times, he or she may then move to a new location, this may be influence by the use of lures or bait. The condition of the shoreline did not identify specific indicators, therefore, it cannot be concluded if the angler was referring to such conditions as the presence or absence of trees and rocks, or the proximity to a road. An important comparison to note, while 82% of the respondents stated that the posting of a health advisory was an important criteria for site selection, only approximately half of the respondents stated they were familiar with the health advisory concerning the consumption of fish.

The Anglers History and Familiarity with the Fishing Site

The questions, How do you decide where to fish? and, How important are the items listed below? examines what role familiarity and having a history with the site enters into selecting a fishing site. The most important factors to the angler were associated with the abundance and quality of fish that could be caught at the specific location. The presence of *bigfish, lots offish, and I like thefish that are there*, were *somewhat to very important* to 51%, 46%, and 55% of the anglers respectively. The presence or absence of other anglers was of less importance. Less than 20% indicated that their experience there as a

child was important. The finding may be the result of the respondents not having spent their childhood in the Central New York area or that they did not fish often as a child.

The anglers are apparently willing to travel to pursue their hobby. Forty-one percent indicated that distance to fishing locations had little or no importance. A place to bring children, the necessity of a boat or a good boat launch was important to some of the respondents. The importance of aesthetics of the fishing site was again shown to be an important component of the fishing experience (76%; *somewhat to very important*).

The Anglers Perception of the Relative Cleanliness of Selected Bodies of Water.

Of the eleven lakes that were individually rated for their cleanliness, Skaneateles and Cazenovia were "*clean or very clean*" by 71% and 75% respectively of those that responded. Not surprising Onondaga Lake was considered to be *very dirty* (89%).

In this section of the survey there was a much higher level **of** non-responses. This may be the result of the respondent not knowing the names of the bodies of water where they are fishing or not having fished at that particular body of water. Skaneateles Creek, Butternut Creek, Green Lakes (at Green Lakes State Park) and Adirondacks were not listed in this section **of** the survey.

Overall there **is** the perception among the participants that the waters within Central New York are relatively clean.

Preparation and cooking of the fish

Poaching, and use in soups were the methods least used (Never: 95% and 75% respectively). Seventy-four percent either broiled, “*sometimes or never*”, a similar percentage was for baking. Frying is the overwhelming favorite of fish preparation. Regarding the reuse of the oil used for frying the fish, 59% stated that they did not reuse the cooking oil.

Respondents indicated “*usually or always*” for the following for preparation for cooking; head removed (69%), gutted (83%), and scaled (68%), with fins being removed less frequently (52%). This preparation is consisted for frying. The anglers reported “never or sometimes” filleting at (70%).

The Benefits Associated with Buying a Fishing License

As noted earlier approximately half of the anglers reported purchasing a fishing license, therefore the responses to this series of questions could be interpreted as, what the perceived benefit may have been or could be in purchasing a fishing license. The cost of a fishing license was viewed as being *about right* by 44% of the anglers. Despite the relatively low portion of respondents that did purchase a license, 80% felt the purchasing was an important part of obeying the law. Purchasing a license has the potential to be an opportunity to provide information to the public (43%). Assuming that with each purchase of a license the angler would receive relevant information on advisories, the locations of a variety of species, etc., there is reason to examine this interface to increase the level of usefulness of the license purchasing process. There is a general consensus that New York State is doing a good job of helping people who like to fish.

Species Accounts

Correct fish identification using the common names occurring in most literature overall was observed to be poor. None of the respondents correctly identified the walleye or the rainbow trout. Others names given to the walleye were marbleeye, brownie, and sogeye. The rainbow was referred to as a bass and trout. Only the northern pike and the bullhead and catfish were correctly identified by those names by a majority of the anglers.

Conclusions

Although the sample size was less than the target goal, the survey did identify several patterns that should receive further attention. One easily overlooked trend is, people sought out places that were aesthetically appealing and afforded opportunities to relax and enjoy their surroundings. Thus increasing fishing access may be less dependent on establishing boat launches but rather designing low cost well planned places for people to fish along the shore. This may have the potential to satisfy more anglers and future anglers than expected.

The combination of the number of people that eat the fish they catch and the number of persons indicating at the time of the survey that they did not have a fishing license. New York State should continue in it efforts at distributing health advisories beyond places that sell licenses, and through the normal Department of Health outreach points. Given that the color pictures in the survey were relatively clear and accurate representations of the fish being presented, the number of misidentifications suggest that a special effort should be made to educate the public in fish identification. This effort could target

school age children, including those not involved in such important and useful programs such as SAREP. Inserts in the Sunday newspapers (or comics) during the first quarter of the year could aid in reaching his goal. Children have a way of educating their parents.

Although, a change in personnel impacted on the goals initially stated for this project, community based organizations can and should be an important component in the New York State's effort to inform and educate its residents about the natural resources available to the public. As demonstrated by the willingness of the persons that participated in this project to complete a lengthy questionnaire, the community if approached in a personal manner can provide useful information to policy makers. This personal approach is the strength of the community based organization.

Central New York waters are considered clean by most of the participants. This is an excellent starting point for building the education initiative stated above, and to develop and fund efforts to increase the presence of DEC within the African-American community.

Aesthetics

- HOWCLEAR - How clear the water is.
- HOWSMELL - How it smells.
- HOWPLANT - How many plants are in the water.
- TRASHWAT - Objects like cans or trash in the water.
- SHORELIN - Condition of the shoreline.
- COLORWAT - Color of the water.
- ADVISORY - Public health advisories about the water.

Statistics

	N	
	Valid	Missing
HOWCLEAR	40	12
HOWSMELL	40	12
HOWPLANT	40	12
TRASHWAT	40	12
SHORELIN	40	12
COLORWAT	39	13
ADVISORY	46	6

HOWCLEAR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	20	38.5	50.0	50.0
	2	8	15.4	20.0	70.0
	3	6	11.5	15.0	85.0
	4	3	5.8	7.5	92.5
	5	3	5.8	7.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWSMELL

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	29	55.8	72.5	72.5
	2	7	13.5	17.5	90.0
	3	3	5.8	7.5	97.5
	4	1	1.9	2.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWPLANT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	14	26.9	35.0	35.0
	2	5	9.6	12.5	47.5
	3	14	26.9	35.0	82.5
	4	3	5.8	7.5	90.0
	5	4	7.7	10.0	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

TRASHWAT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	28	53.8	70.0	70.0
	2	5	9.6	12.5	82.5
	3	2	3.8	5.0	87.5
	5	5	9.6	12.5	100.0
	Total	40	76.9	100.0	
	Missing	System Missing	12	23.1	
Total		12	23.1		
Total		52	100.0		

SHORELIN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	22	42.3	55.0	55.0
	2	9	17.3	22.5	77.5
	3	6	11.5	15.0	92.5
	4	2	3.8	5.0	97.5
	5	1	1.9	2.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

COLORWAT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	16	30.8	41.0	41.0
	2	14	26.9	35.9	76.9
	3	4	7.7	10.3	87.2
	4	4	7.7	10.3	97.4
	5	1	1.9	2.6	100.0
	Total	39	75.0	100.0	
Missing	System Missing	13	25.0		
	Total	13	25.0		
Total		52	100.0		

ADVISORY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	24	46.2	52.2	52.2
	1	22	42.3	47.8	100.0
	Total	46	88.5	100.0	
Missing	System Missing	6	11.5		
	Total	6	11.5		
Total		52	100.0		

THE ANGLER'S HISTORY AND FAMILIARITY WITH THE FISHING SITE

- FISHCLEA - Water is clean.
- FISHCLOS - Close to where I live.
- FISHEASY - Easy to get to water.
- FISHKID - Fished there when I was a kid.
- FISHLIKE - The fish I like are there.
- FISHLOTS - Lots of fish.
- CHILDREN - Can bring children.
- NOBOAT - Don't need a boat to fish.
- SCENERY - Good scenery.
- LOTSANGL - Lot of other anglers.
- FEWANGLE - Very few other anglers.
- GOODBOAT - Good boat launch.
- BIGFISH - Big fish.

Statistics

	N	
	Valid	Missing
FISHCLEA	43	9
FISHCLOS	41	11
FISHEASY	41	11
FISHKID	41	11
FISHLIKE	40	12
FISHLOTS	41	11
CHILDREN	42	10
NOBOAT	42	10
SCENERY	42	10
LOTSANGL	41	11
FEWANGLE	42	10
GOODBOAT	42	10
BIGFISH	43	9

FISHCLEA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	25	48.1	58.1	58.1
	2	8	15.4	18.6	76.7
	3	4	7.7	9.3	86.0
	4	2	3.8	4.7	90.7
	5	4	7.7	9.3	100.0
Total		43	82.7	100.0	
Missing	System Missing	9	17.3		
	Total	9	17.3		
Total		52	100.0		

FISHCLOS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	6	11.5	14.6	14.6
	2	5	9.6	12.2	26.8
	3	9	17.3	22.0	48.8
	4	5	9.6	12.2	61.0
	5	16	30.8	39.0	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

FISHEASY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	9	17.3	22.0	22.0
	2	6	11.5	14.6	36.6
	3	7	13.5	17.1	53.7
	4	8	15.4	19.5	73.2
	5	11	21.2	26.8	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

FISHKID

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	7	13.5	17.1	17.1
	2	1	1.9	2.4	19.5
	3	12	23.1	29.3	48.8
	4	4	7.7	9.8	58.5
	5	17	32.7	41.5	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

FISHLIKE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	15	28.8	37.5	37.5
	2	7	13.5	17.5	55.0
	3	7	13.5	17.5	72.5
	4	4	7.7	10.0	82.5
	5	7	13.5	17.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total					

FISHLOTS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	15	28.8	36.6	36.6
	2	4	7.7	9.8	46.3
	3	14	26.9	34.1	80.5
	4	2	3.8	4.9	85.4
	5	6	11.5	14.6	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

CHILDREN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	10	19.2	23.8	23.8
	2	6	11.5	14.3	38.1
	3	11	21.2	26.2	64.3
	4	6	11.5	14.3	78.6
	5	9	17.3	21.4	100.0
	Total	42	80.8	100.0	
Missing	System Missing	10	19.2		
	Total	10	19.2		
Total		52	100.0		

NOBOAT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	11	21.2	26.2	26.2
	2	4	7.7	9.5	35.7
	3	10	19.2	23.8	59.5
	4	3	5.8	7.1	66.7
	5	14	26.9	33.3	100.0
	Total	42	80.8	100.0	
Missing	System Missing	10	19.2		
	Total	10	19.2		
Total		52	100.0		

SCENERY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	11	21.2	26.2	26.2
	2	10	19.2	23.8	50.0
	3	11	21.2	26.2	76.2
	4	2	3.8	4.8	81.0
	5	8	15.4	19.0	100.0
	Total	42	80.8	100.0	
Missing	System Missing	10	19.2		
	Total	10	19.2		
Total		52	100.0		

LOTSANGL

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	3	5.8	7.3	7.3
	2	6	11.5	14.6	22.0
	3	7	13.5	17.1	39.0
	4	6	11.5	14.6	53.7
	5	19	36.5	46.3	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

FEWANGLE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	5	9.6	11.9	11.9
	2	4	7.7	9.5	21.4
	3	16	30.8	38.1	59.5
	4	2	3.8	4.8	64.3
	5	15	28.8	35.7	100.0
	Total		42	80.8	100.0
Missing	System Missing	10	19.2		
	Total	10	19.2		
Total		52	100.0		

GOODBOAT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	12	23.1	28.6	28.6
	2	4	7.7	9.5	38.1
	3	8	15.4	19.0	57.1
	4	2	3.8	4.8	61.9
	5	15	28.8	35.7	97.6
	25	1	1.9	2.4	100.0
	Total		42	80.8	100.0
Missing	System Missing	10	19.2		
	Total	10	19.2		
Total		52	100.0		

BIGFISH

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	15	28.8	34.9	34.9
	2	7	13.5	16.3	51.2
	3	11	21.2	25.6	76.7
	4	1	1.9	2.3	79.1
	5	9	17.3	20.9	100.0
	Total		43	82.7	100.0
Missing	System Missing	9	17.3		
	Total	9	17.3		
Total		52	100.0		

How Frequently are Selected Waters Fished

HOWSMILE - Nine Mile Creek
 HOWADIRO - Adirondacks
 HOWBUTTE - Butternut Creek
 HOWCAZ - Cazenovia Lake
 HOWGREEN - Green Lakes
 HOWLAWR - St. Lawrence River
 HOWLIMES - Limestone Creek
 HOWONEID - Oneida Lake
 HOWONONC - Onondaga Creek
 HOWONOND - Onondaga Lake
 HOWONTAR - Lake Ontario
 HOWOTISC - Otisco Lake
 HOWSALMO - Salmon River
 HOWSKANE - Skaneateles Creek

Statistics

	N	
	Valid	Missing
HOWSMILE	41	11
HOWADIRO	41	11
HOWBUTTE	40	12
HOWCAZ	40	12
HOWCLEAR	40	12
HOWGREEN	41	11
HOWLAWRE	41	11
HOWLIMES	40	12
HOWONEID	41	11
HOWONONC	41	11
HOWONOND	41	11
HOWONTAR	41	11
HOWOTISC	39	13
HOWPLANT	40	12
HOWSALMO	41	11
HOWSKANE	40	12
SKCREEK	41	11

HOW9MILE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.9	2.4	2.4
	2.00	6	11.5	14.6	17.1
	3.00	11	21.2	26.8	43.9
	4.00	23	44.2	56.1	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWADIRO

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.9	2.4	2.4
	2.00	7	13.5	17.1	19.5
	3.00	8	15.4	19.5	39.0
	4.00	24	46.2	58.5	97.6
	44.00	1	1.9	2.4	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWBUTTE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	2.00	7	13.5	17.5	17.5
	3.00	8	15.4	20.0	37.5
	4.00	25	48.1	62.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWCAZ

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	10	19.2	25.0	25.0
	2.00	15	28.8	37.5	62.5
	3.00	5	9.6	12.5	75.0
	4.00	10	19.2	25.0	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWCLEAR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	20	38.5	50.0	50.0
	2	8	15.4	20.0	70.0
	3	6	11.5	15.0	85.0
	4	3	5.8	7.5	92.5
	5	3	5.8	7.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWGREEN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	5.8	7.3	7.3
	2.00	5	9.6	12.2	19.5
	3.00	10	19.2	24.4	43.9
	4.00	23	44.2	56.1	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWLAWRE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	6	11.5	14.6	14.6
	2.00	9	17.3	22.0	36.6
	3.00	5	9.6	12.2	48.8
	4.00	21	40.4	51.2	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWLIMES

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	5.8	7.5	7.5
	2.00	3	5.8	7.5	15.0
	3.00	8	15.4	20.0	35.0
	4.00	25	48.1	62.5	97.5
	44.00	1	1.9	2.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWONEID

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	8	15.4	19.5	19.5
	2.00	16	30.8	39.0	58.5
	3.00	8	15.4	19.5	78.0
	4.00	9	17.3	22.0	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWONONC

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.9	2.4	2.4
	2.00	2	3.8	4.9	7.3
	3.00	6	11.5	14.6	22.0
	4.00	32	61.5	78.0	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWONOND

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.9	2.4	2.4
	2.00	5	9.6	12.2	14.6
	3.00	4	7.7	9.8	24.4
	4.00	31	59.6	75.6	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWONTAR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	8	15.4	19.5	19.5
	2.00	14	26.9	34.1	53.7
	3.00	8	15.4	19.5	73.2
	4.00	11	21.2	26.8	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWOTISC

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	3.8	5.1	5.1
	2.00	16	30.8	41.0	46.2
	3.00	9	17.3	23.1	69.2
	4.00	12	23.1	30.8	100.0
	Total	39	75.0	100.0	
Missing	System Missing	13	25.0		
	Total	13	25.0		
Total		52	100.0		

HOWPLANT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	14	26.9	35.0	35.0
	2		9.6	12.5	47.5
	3		26.9	35.0	82.5
	4		5.8	7.5	90.0
	5		7.7	10.0	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

HOWSALMO

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	4	7.7	9.8	9.8
	2.00	8	15.4	19.5	29.3
	3.00	7	13.5	17.1	46.3
	4.00	22	42.3	53.7	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

HOWSKANE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	2	3.8	5.0	5.0
	2.00	12	23.1	30.0	35.0
	3.00	11	21.2	27.5	62.5
	4.00	15	28.8	37.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

SKCREEK

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	5.8	7.3	7.3
	2.00	3	5.8	7.3	14.6
	3.00	12	23.1	29.3	43.9
	4.00	22	42.3	53.7	97.6
	22.00	1	1.9	2.4	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

Angler's Perception of Water Cleanliness

CLADIRON - Adirondacks
 CLCAYUGA - Cayuga Lake
 CLERIE - Lake Erie
 CLONEIDA - Oneida Lake
 CLOTHER - Other
 CLSALMON - Salmon River
 CLLIMEST - Limestone Creek

CLBLACK - Black Lake
 CLCAZ - Cazenovia Lake
 CLGREEN - Green Lakes
 CLONONDAGA - Onondaga Lake
 CLOTISCO - Otisco Lake
 CLSKANEA - Skaneateles Lake

CLBUTTER - Butternut Creek
 CLEAN9MI - Nine Mile Creek
 CLLAWREN - St. Lawrence River
 CLONTARIO - Lake Ontario
 CLOWASCO - Owasco Lake
 CLSKCREE - Skaneateles Creek

Statistics

	Valid	Missing
CLADIRON	0	52
CLBLACK	33	19
CLBUTTER	0	52
CLCAYUGA	33	19
CLCAZ	36	16
CLEAN9MI	35	17
CLERIE	32	20
CLGREEN	0	52
CLLAWREN	32	20
CLLIMEST	35	17
CLONEIDA	36	16
CLONONCK	36	16
CLONONDA	37	15
CLONTARI	34	18
CLOTHER	52	0
CLOTISCO	32	20
CLOWASCO	32	20
CLSALMON	32	20
CLSKANEA	34	18
CLSKCREE	0	52

CLADIRON

	Frequency	Percent
Missing System Missing	52	100.0
Total	52	100.0
Total	52	100.0

CLBLACK

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	6	11.5	18.2	18.2
	2.00	7	13.5	21.2	39.4
	3.00	15	28.8	45.5	84.8
	4.00	2	3.8	6.1	90.9
	5.00	3	5.8	9.1	100.0
	Total	33	63.5	100.0	
Missing	System Missing	19	36.5		
	Total	19	36.5		
Total		52	100.0		

CLBUTTER

		Frequency	Percent
Missing	System Missing	52	100.0
	Total	52	100.0
Total		52	100.0

CLCAYUGA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	4	7.7	12.1	12.1
	2.00	11	21.2	33.3	45.5
	3.00	15	28.8	45.5	90.9
	4.00	1	1.9	3.0	93.9
	5.00	2	3.8	6.1	100.0
	Total	33	63.5	100.0	
Missing	System Missing	19	36.5		
	Total	19	36.5		
Total		52	100.0		

CLCAZ

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	13	25.0	36.1	36.1
	2.00	14	26.9	38.9	75.0
	3.00	7	13.5	19.4	94.4
	4.00	1	1.9	2.8	97.2
	5.00	1	1.9	2.8	100.0
	Total	36	69.2	100.0	
Missing	System Missing	16	30.8		
	Total	16	30.8		
Total		52	100.0		

CLEAN9MI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	3	5.8	8.6	8.6
	2.00	4	7.7	11.4	20.0
	3.00	12	23.1	34.3	54.3
	4.00	3	5.8	8.6	62.9
	5.00	13	25.0	37.1	100.0
	Total	35	67.3	100.0	
Missing	System Missing	17	32.7		
	Total	17	32.7		
Total		52	100.0		

CLERIE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	6	11.5	18.8	18.8
	2.00	7	13.5	21.9	40.6
	3.00	10	19.2	31.3	71.9
	4.00	6	11.5	18.8	90.6
	5.00	3	5.8	9.4	100.0
	Total	32	61.5	100.0	
Missing	System Missing	20	38.5		
	Total	20	38.5		
Total		52	100.0		

CLGREEN

		Frequency	Percent
Missing	System Missing	52	100.0
	Total	52	100.0
Total		52	100.0

CLLAWREN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	8	15.4	25.0	25.0
	2.00	7	13.5	21.9	46.9
	3.00	10	19.2	31.3	78.1
	4.00	4	7.7	12.5	90.6
	5.00	3	5.8	9.4	100.0
	Total	32	61.5	100.0	
Missing	System Missing	20	38.5		
	Total	20	38.5		
Total		52	100.0		

CLLIMEST

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	7	13.5	20.0	20.0
	2.00	5	9.6	14.3	34.3
	3.00	14	26.9	40.0	74.3
	4.00	5	9.6	14.3	88.6
	5.00	4	7.7	11.4	100.0
	Total		35	67.3	100.0
Missing	System Missing	17	32.7		
	Total	17	32.7		

CLONEIDA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	10	19.2	27.8	27.8
	2.00	10	19.2	27.8	55.6
	3.00	14	26.9	38.9	94.4
	4.00	1	1.9	2.8	97.2
	5.00	1	1.9	2.8	100.0
	Total		36	69.2	100.0
Missing	System Missing	16	30.8		
	Total	16	30.8		
Total		52	100.0		

CLONONCK

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.9	2.8	2.8
	3.00	5	9.6	13.9	16.7
	4.00	3	5.8	8.3	25.0
	5.00	27	51.9	75.0	100.0
	Total		36	69.2	100.0
Missing	System Missing	16	30.8		
	Total	16	30.8		
Total		52	100.0		

CLONONDA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	1	1.9	2.7	2.7
	2.00	1	1.9	2.7	5.4
	3.00	2	3.8	5.4	10.8
	5.00	33	63.5	89.2	100.0
	Total	37	71.2	100.0	
Missing	System Missing	15	28.8		
	Total	15	28.8		
Total		52	100.0		

CLONTARI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	5	9.6	14.7	14.7
	2.00	12	23.1	35.3	50.0
	3.00	9	17.3	26.5	76.5
	4.00	5	9.6	14.7	91.2
	5.00	3	5.8	8.8	100.0
	Total	34	65.4	100.0	
Missing	System Missing	18	34.6		
	Total	18	34.6		
Total		52	100.0		

CLOTHER

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid		48	92.3	92.3	92.3
	2.00	1	1.9	1.9	94.2
	5.00	1	1.9	1.9	96.2
	Newinna	1	1.9	1.9	98.1
	two	1	1.9	1.9	100.0
Total		52	100.0	100.0	
Total		52	100.0		

CLOTISCO

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	10	19.2	31.3	31.3
	2.00	9	17.3	28.1	59.4
	3.00	8	15.4	25.0	84.4
	4.00	1	1.9	3.1	87.5
	5.00	4	7.7	12.5	100.0
	Total	32	61.5	100.0	
Missing	System Missing	20	38.5		
	Total	20	38.5		
Total		52	100.0		

CLOWASCO

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	4	7.7	12.5	12.5
	2.00	7	13.5	21.9	34.4
	3.00	19	36.5	59.4	93.8
	4.00	1	1.9	3.1	96.9
	5.00	1	1.9	3.1	100.0
	Total	32	61.5	100.0	
Missing	System Missing	20	38.5		
	Total	20	38.5		
Total		52	100.0		

CLSALMON

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	10	19.2	31.3	31.3
	2.00	7	13.5	21.9	53.1
	3.00	10	19.2	31.3	84.4
	4.00	2	3.8	6.3	90.6
	5.00	3	5.8	9.4	100.0
	Total	32	61.5	100.0	
Missing	System Missing	20	38.5		
	Total	20	38.5		
Total		52	100.0		

CLSKANEA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	13	25.0	38.2	38.2
	2.00	11	21.2	32.4	70.6
	3.00	8	15.4	23.5	94.1
	4.00	1	1.9	2.9	97.1
	5.00	1	1.9	2.9	100.0
	Total	34	65.4	100.0	
Missing	System Missing	18	34.6		
	Missing				
	Total	18	34.6		
Total		52	100.0		

CLSKCREE

		Frequency	Percent
Missing	System Missing	52	100.0
	Missing		
	Total	52	100.0
Total		52	100.0

Preparation and Cooking of the Fish

- FREQBAKE - Bake
- FREQBROI - Broil
- FREQFILL - Fillet
- FREQFINS - Cut off fins and tail
- FREQFRY - Fry
- FREQGUT - Gut
- FREQHEAD - Remove head
- FREQPOAC - Poach
- FREQSCAL - Remove scales
- FREQSOUP - Use in soup
- REUSEOIL - Reuse oil

Statistics

	N	
	Valid	Missing
FREQBAKE	42	10
FREQBROI	43	9
FREQFILL	45	7
FREQFINS	46	6
FREQFRY	42	10
FREQGUT	46	6
FREQHEAD	45	7
FREQPOAC	40	12
FREQSCAL	47	5
FREQSOUP	40	12
REUSEOIL	46	6

FREQBAKE

		Frequency	Percent	Valid Percent	Cumulative Percent
		Frequency	Percent	Percent	Percent
Valid	1			26.2	26.2
	2			47.6	73.8
	3			23.8	97.6
	4			2.4	100.0
	Total		80.8	100.0	
Missing	System Missing				
	Total	10	19.2		
Total		52	100.0		

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	14	26.9	32.6	32.6
	2	18	34.6	41.9	74.4
	3	10	19.2	23.3	97.7
	4	1	1.9	2.3	100.0
	Total	43	82.7	100.0	
Missing	System Missing	9	17.3		
	Total	9	17.3		
Total		52	100.0		

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	6	11.5	13.3	13.3
	2	25	48.1	55.6	68.9
	3	5	9.6	11.1	80.0
	4	9	17.3	20.0	100.0
	Total	45	86.5	100.0	
Missing	System Missing	7	13.5		
	Total	7	13.5		
Total		52	100.0		

FREQFINS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	11	21.2	23.9	23.9
	2	7	13.5	15.2	39.1
	3	4	7.7	8.7	47.8
	4	23	44.2	50.0	97.8
	5	1	1.9	2.2	100.0
Missing	Total	46	88.5	100.0	
	System Missing	6	11.5		
Total	Total	6	11.5		
		52	100.0		

FREQFRY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	2	3.8	4.8	4.8
	2	7	13.5	16.7	21.4
	3	17	32.7	40.5	61.9
	4	16	30.8	38.1	100.0
	Total	42	80.8	100.0	
Missing	System Missing	10	19.2		
	Total	10	19.2		
Total		52	100.0		

FREQGUT

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	4	7.7	8.7	8.7
	2	2	3.8	4.3	13.0
	3	2	3.8	4.3	17.4
	4	37	71.2	80.4	97.8
	5	1	1.9	2.2	100.0
	Total	46	88.5	100.0	
Missing	System Missing	6	11.5		
	Total	6	11.5		
Total		52	100.0		

FREQHEAD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	6	11.5	13.3	13.3
	2	6	11.5	13.3	26.7
	3	2	3.8	4.4	31.1
	4	30	57.7	66.7	97.8
	5	1	1.9	2.2	100.0
	Total	45	86.5	100.0	
Missing	System Missing	7	13.5		
	Total	7	13.5		
Total		52	100.0		

FREQPOAC

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	38	73.1	95.0	95.0
	2	1	1.9	2.5	97.5
	4	1	1.9	2.5	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

FREQSCAL

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	5	9.6	10.6	10.6
	2	5	9.6	10.6	21.3
	3	5	9.6	10.6	31.9
	4	31	59.6	66.0	97.9
	5	1	1.9	2.1	100.0
	Total	47	90.4	100.0	
Missing	System Missing	5	9.6		
	Total	5	9.6		
Total		52	100.0		

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	30	57.7	75.0	75.0
	2	8	15.4	20.0	95.0
	4	2	3.8	5.0	100.0
	Total	40	76.9	100.0	
Missing	System Missing	12	23.1		
	Total	12	23.1		
Total		52	100.0		

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	27	51.9	58.7	58.7
	1	19	36.5	41.3	100.0
	Total	46	88.5	100.0	
Missing	System Missing	6	11.5		
	Total	6	11.5		
Total		52	100.0		

The Benefits Associated with Buying a Fishing License

- BUYLISN - I would like a place to buy a license in my neighborhood.
- GETLISN - Getting a license is easy for me.
- INFOLISN - Information which comes with a license is helpful.
- LISNGOOD - I thinking New York State does a good job helping people to fish.
- LISNUMBE - Fishing licenses help maintain the number of fish to be caught.
- OBEYLISN - Having a license is an important part of obeying the law.

Statistics

	N	
	Valid	Missing
COSTLISN	41	11
NYSFLISN	52	0
BUYLISN	43	9
INFOLISN	44	8
LISNGOOD	45	7
LISNUMBE	44	8
OBEYLISN	AS	7

COSTLISN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	8	15.4	19.5	19.5
	2.00	10	19.2	24.4	43.9
	3.00	7	13.5	17.1	61.0
	4.00	7	13.5	17.1	78.0
	5.00	9	17.3	22.0	100.0
	Total	41	78.8	100.0	
Missing	System Missing	11	21.2		
	Total	11	21.2		
Total		52	100.0		

NYSFLISN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	6	11.5	11.5	11.5
	1	21	40.4	40.4	51.9
	Total	25	48.1	48.1	100.0
Total		52	100.0	100.0	

BUYLISN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	30	57.7	69.8	69.8
	2.00	4	7.7	9.3	79.1
	3.00	3	5.8	7.0	86.0
	4.00	2	3.8	4.7	90.7
	5.00	4	7.7	9.3	100.0
	Total	43	82.7	100.0	
Missing	System Missing	9	17.3		
	Total	9	17.3		
Total		52	100.0		

INFOLISN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1.00	11	21.2	25.0	25.0
	2.00	8	15.4	18.2	43.2
	3.00	17	32.7	38.6	81.8
	4.00	3	5.8	6.8	88.6
	5.00	5	9.6	11.4	100.0
	Total	44	84.6	100.0	
Missing	System Missing	8	15.4		
	Total	8	15.4		
Total		52	100.0		

LISNGOOD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	10	19.2	22.2	22.2
	2	10	19.2	22.2	44.4
	3	15	28.8	33.3	77.8
	4	5	9.6	11.1	88.9
	5	5	9.6	11.1	100.0
	Total	45	86.5	100.0	
Missing	System Missing	7	13.5		
	Total	7	13.5		
Total		52	100.0		

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	11	21.2	25.0	25.0
	2	7	13.5	15.9	40.9
	3	11	21.2	25.0	65.9
	4	1	1.9	2.3	68.2
	5	14	26.9	31.8	100.0
	Total	44	84.6	100.0	
Missing	System Missing	8	15.4		
	Total	8	15.4		
Total		52	100.0		

OBEYLISN

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	26	50.0	57.8	57.8
	2	10	19.2	22.2	80.0
	3	6	11.5	13.3	93.3
	5	3	5.8	6.7	100.0
	Total	45	86.5	100.0	
Missing	System Missing	7	13.5		
	Total	7	13.5		
Total		52	100.0		