

# **An Examination of Maryland Angler's Perceptions, Preferences and Attitudes; 2001**



State of Maryland  
Department of Natural Resources  
Fisheries Service  
Annapolis, MD

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## **Executive Summary**

The Fisheries Service, Maryland Department of Natural Resources, conducted an angler preference survey during January through June 2001. This survey was meant to help Fisheries Service staff understand the needs and desires of anglers so that Fisheries Service could most effectively improve the fishing experience. The instrument was designed based on past surveys from other states. The questionnaire was distributed at outdoor fishing shows, tackle stores, sport fishing groups, the Fisheries website and public presentations offered by Fisheries Service. This distribution strategy meant that the universe would not be the general public, but rather only those individuals that may have attended or otherwise come into contact with a site distributing the questionnaire. Thus, the survey was not designed to be an instrument with random sampling characteristics, but rather it was intended to target more committed anglers likely to participate in angling related activities and events. As a result, the survey is biased and reflects the perceptions of only a portion of the fishing public in Maryland. A total of 1255 questionnaires were at least partially completed and included in the calculations found throughout this report.

### **Geographic Distribution of Fishing Activities**

**Freshwater:** The most intensely fished area was the central region of Maryland, which had 35 percent of respondents saying that they fished at least once (vs. 25% overall) and the lowest rate of overall non-use (the percentage of respondents saying that they spent no time whatsoever fishing in that region) by anglers (65% vs. 75% overall).

**Chesapeake Bay and Coastal Bays** Clearly two regions stand out as the most heavily fished: the upper (north of the Bay Bridge to the Sassafras River) and middle (south of the Bay Bridge to Drum point) Chesapeake Bay regions. They have the lowest rates of non-use, the highest average days fishing, and the greatest number of respondents. Headwaters (north of the Sassafras River including the Susquehanna Flats and tributaries) was the least fished region, while the other four regions (lower bay, Potomac River, Coastal Bays and Atlantic Ocean) were closely matched in the middle range.

### **License Use and Fishing Setting**

**Licenses:** The overwhelming majority of respondents already had purchased a license in 2000 (94%) and intended to purchase a fishing license in 2001.

**Fishing Locale:** The Chesapeake Bay was cited as a favored locale for fishing by a majority (42%) of respondents, with tidal river (20%), freshwater stream (17%), lake/impoundment (14%) and coastal waters/Atlantic Ocean (7%) being mentioned less.

**Fishing Method:** Most respondents said that they fished from a boat (67%), followed by shoreline/bank (17%).

### **Fish Species Preference**

Respondents were asked to indicate their first, second and third preferences regarding targeted fish species. The final ranking of species was based on the percent of total mentions. Striped bass was the most sought-after species, constituting about 27 percent of all mentions. Smallmouth and largemouth bass were second with 61

percent. Trout were reported as the third most sought after species (40%), followed by perch (19%) croaker (19%) and flounder (19%).<sup>1</sup>

## **Motivations for Fishing and Reasons why Anglers might not Fish Frequently**

Among the choices offered respondents on the questionnaire, the primary motivations for fishing were “to enjoy the outdoors/nature” (mentioned by 75% as being “very important”), followed by “to be with family and friends” (45%) and “for the challenge/sport” (44%). Catching large or many fish, or fish to eat, were secondary motivations. Commonly cited reasons why anglers might not fish frequently included: “pollution, water quality, fish health (24% saying “very important”), “too crowded” (15%), “fishing areas are not accessible” (11%) and “don’t know when and where to fish” (10%).

## **Quality of Fishing**

A majority of respondents thought that the quality of fishing had improved much (25%) or at least somewhat (42%) over the last five years.

## **Satisfaction with Fishing Experience**

The survey inquired about respondents’ satisfaction with various elements of the fishing experience. Respondents were most satisfied with “outdoor/natural experience” (50% saying “very satisfied”), “time spent with family/friends” (44%), “overall quality of the fishing experience” (32%) and “access/availability” (31%). They were least impressed with the size (19%), health (24%), number (24%) and types (26%) of fish caught.

## **Regulations and Responsiveness of Fisheries Service**

Most respondents said that Maryland’s fishing regulations were easy to understand (80%).

When questioned whether Fisheries Service was responsive “to the recreational anglers concerns in comparison with other users when making regulatory decisions” respondents were evenly split, with one-half agreeing that Fisheries Service was responsive, and the other half either undecided or disagreeing. Open-ended comments frequently mentioned a perceived bias in favor of commercial anglers.

## **Equipment – Circle Hooks and Fish Mortality**

Most respondents agreed (59%) while only four percent disagreed that circle hooks were more effective for reducing fish mortality (the rest were undecided). Most respondents would use circle hooks at least occasionally (71%) or always (16%).

## **Importance of Fisheries Service Activities**

A survey question asked respondents to examine a list of ten Fisheries Service activities and rank the top five activities in terms of importance. “Improving fish habitat” was the first perceived priority for the sample (90% on cumulative scale). Also of high importance was “establishing and enforcing fishing regulations” (75%), “monitoring and surveying fish populations,” (71%) and “educating children on fishing fundamentals” (66%).

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<sup>1</sup> The general category “trout” was the most common constituting 36 of 40 percent of all trout results. Most respondents did not specify the type of trout (rainbow, brown, brook or gray). Also, most respondents did not specify the type of perch (white or yellow).

The least important activities were fish stocking and improving fishing opportunities for urban residents (all 25% and under).

### **Preferences for Receiving Information about Fishing and Satisfaction with the Performance of Fisheries Service**

Another ranking question focused on respondents' preferences regarding how they would "prefer to hear about fisheries activities and information." Respondents were given nine choices and asked to rank the top three. Newspapers were reported as the best means of communication followed closely by the DNR Fisheries website. Other items such as magazines, fishing shows and radio ranked well behind.

Respondents were asked to rate Fisheries Service regarding how well it provided information about Maryland's fisheries and regulations, giving a choice ranging from excellent to very poor. Another question asked, "how would you rate the overall performance of the MD DNR Fisheries Service?" The findings show that there was nearly no difference between the two measures. In both cases about one-half of the sample thought that Fisheries performed "excellent" or "very good" with most (over 40%) of the remainder saying "good." Only a small percent (around 10%) said poor or very poor. Overall this seems a positive assessment of Fisheries Service.

### **Sport Fish Advisory Commission**

The last question asked of this sample was "Did you know there is a Sport Fish Advisory Commission that represents and takes comments from the recreational fishing public and makes recommendations to the Department?" Most respondents did *not* know that such a commission existed with only 38 percent saying "yes."

### **Background Questions**

The questionnaire concluded with a series of background questions, starting with *zip code*, which is available in Appendix B.

*Gender* was also asked, with the results clearly favoring males who constituted 95 percent of the sample.

*Ethnicity/race* was asked with the results, summarized on table 20, showing that the great majority of respondents were white (95%).

*The results for "income"* suffered from the lack of sufficient categories at the high end. This is shown on table 21, where well over half of the respondents (57%) were in the highest income category (\$60,000 or more).

The average *age* of the respondents was 46 years with a range from 7 to 84 years old. The most frequently reported age was 50 years old.

The great majority (81%) reported having access to the Internet.

## ***Introduction***

The Fisheries Service, Maryland Department of Natural Resources, conducted an angler preference survey during 2001. This survey was meant to help Fisheries Service understand the needs and desires of anglers so that the Fisheries Service staff could most effectively improve the fishing experience. The instrument design was based on past surveys from other states. The questionnaire was distributed at outdoor fishing shows, tackle stores, sport fishing groups, the Fisheries website and public presentations offered by Fisheries. This distribution strategy meant that the universe would not be the general public, but rather only those individuals that may have attended or otherwise come into contact with a site distributing the questionnaire. Thus, the survey was not designed to be an instrument with random sampling characteristics, but rather it was intended to target more committed anglers likely to participate in angling related activities and events.<sup>2</sup> As a result, the survey is biased and reflects the perceptions of only a portion of the fishing public in Maryland. An incentive prize was offered as a means of improving response rates. A total of 1255 valid questionnaires were received, although not all respondents completed every question.<sup>3</sup>

## ***Results***

The questionnaire was divided into several components as listed below and will be reported in this order. A copy of the questionnaire is included in Appendix A.

- A geographic component focusing on the regional distribution of fishing activities as reported by respondents;
- License use and preferred fishing locale and method;
- Fish type preference;
- Motivations for fishing and reasons why anglers might not fish frequently;
- Satisfaction with fishing experiences
- Regulations, responsiveness of Fisheries Service and equipment used;
- Perceptions of the Fisheries Service;
- Suggestions for improving fishing;
- Preferences for receiving information about fishing and satisfaction with Fisheries performance in that respect and overall;
- Various background questions.

## ***Regional Distribution of Fishing Activities***

The first part of the questionnaire depicted freshwater locations in Maryland and regions of the Chesapeake Bay and Coastal Bays, asking respondents to indicate the number of days spent fishing in each.

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<sup>2</sup> The percentage filling out this questionnaire in various locales was as follows: Baltimore Boat Show, 2%; BGE Anglers Club, 2%; Bass Pro Shops, 9%; Coastal Conservation Association, 3%; Dick's Sporting Goods, 3%; Internet, 16%; Maryland Saltwater Sportfishermen's Association, 2%; Outdoor Fishing Show, 45%; Pasadena Sportfishing Group, 9%; and Tackle Stores, 10%.

<sup>3</sup> This accounts for the fact that tables showing "cases" often include fewer than 1255 for a particular question or answer.

## Freshwater Findings

Four freshwater regions were provided: Western, Central, Southern and Eastern Maryland. In all cases, the largest response was “no days” fishing in the region, Table 1 shows both overall results (the percentage of those saying either no days or at least one day fishing in the region) and the distribution of results among those saying at least one day fishing in the region.<sup>4</sup>

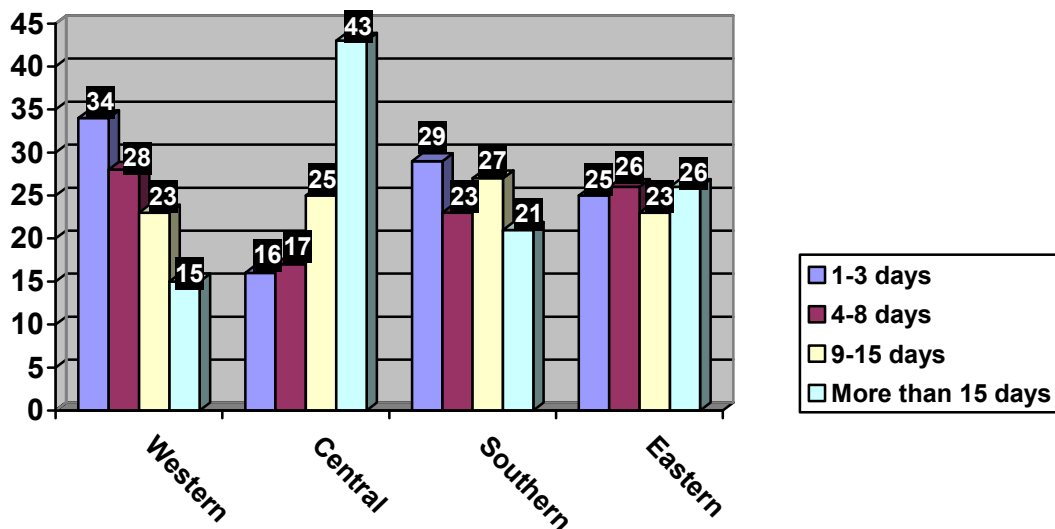
**Table 1: Frequency of Fishing within Freshwater Regions (in percentages)**

Frequency/Region	Western	Central	Southern	Eastern	Overall
Non-use (“no days”)	78	65	81	75	75%
At least one day	22	35	19	25	25%
Among those fishing at least once					
1-3	34	16	29	25	26%
4-8	28	17	23	26	24%
9-15	23	25	27	23	25%
More than 15 days	15	43	21	26	26%
Total	100	101	100	100	101%
Mean	<b>12</b>	<b>22</b>	<b>13</b>	<b>15</b>	<b>16%</b>
Cases	272	445	238	309	

Note: Mean scores only include respondents fishing at least one day, not the total sample. In this and all other tables, values may not total 100% due to rounding.

The most intensely fished area was the central region, which had 16 percent of its anglers saying that they fished 1-3 days and the lowest rate of angler non-use (65% vs. 75% overall). No other area came close; the others were fairly closely matched, with only the western region showing a lower frequency of use (34% reporting 1-3 days use) despite a non-use rate (78%) that was similar to the other two regions (southern (81%) and eastern (75%). The same conclusions are derived from an examination of the mean number of fishing days per region. Graph 1 shows the percentages in each fishing frequency category by region.

**Graph 1: Frequency of Fishing by Freshwater Region**



<sup>4</sup> The idea that a respondent spent “no days” fishing is referred to in the table and text as “non-use.”

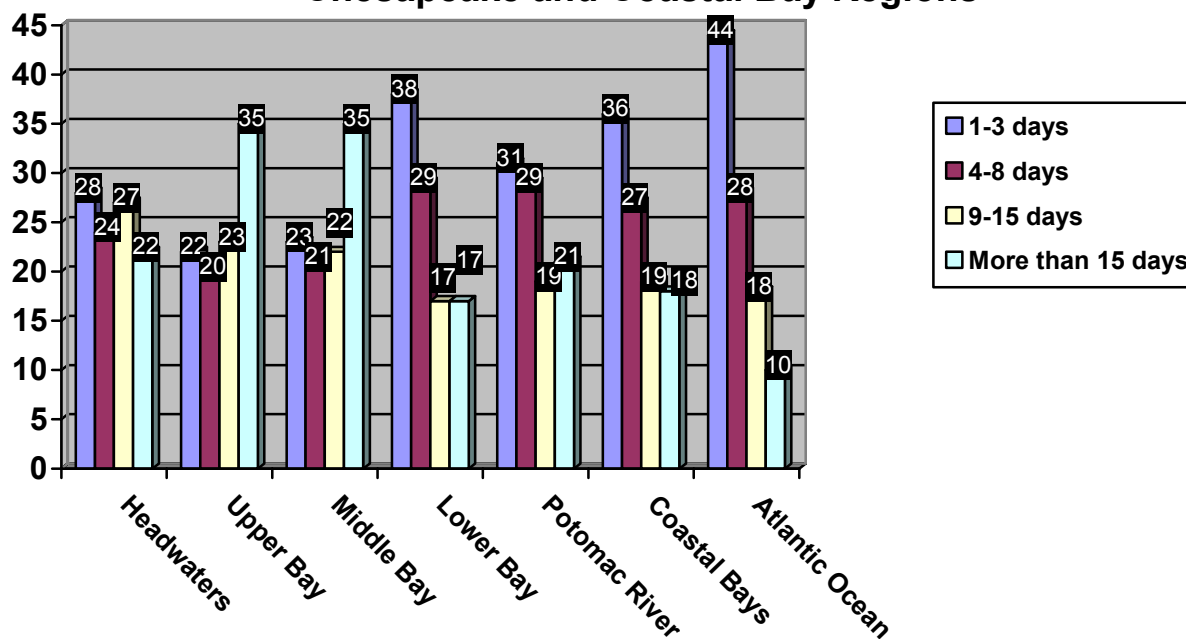
## Chesapeake and Coastal Bays Findings

There were seven tidal fisheries regions: headwaters, upper bay, middle bay, lower bay (all portions of the Chesapeake Bay), Potomac River, Coastal Bays and Atlantic Ocean. (Table 2 follows the same format as the previous table). The upper and middle bay regions clearly stand out as the most heavily fished regions. They have the lowest rates of non-use, the highest average days fishing, and the greatest number of respondents. The headwaters of the Chesapeake Bay was the least fished region, while the other four areas (lower bay, Potomac River, Coastal Bays and Atlantic Ocean) were closely matched in the middle range.

**Table 2: Frequency of Fishing within Chesapeake and Coastal Bay Regions (in percentages)**

Frequency/Region	Headwaters	Upper Bay	Middle Bay	Lower Bay	Potomac River	Coastal Bays	Atlantic Ocean	Overall
No days	85	64	51	74	76	80	76	75%
At least one day	15	36	49	26	24	20	24	25%
Among those fishing at least once								
1-3	28	22	23	38	31	36	44	32%
4-8	24	20	21	29	29	27	28	25%
9-15	27	23	22	17	19	19	18	21%
More than 15 days	22	35	35	17	21	18	10	23%
Total	101	100	101	101	100	100	100	101%
Mean	14	19	19	12	13	11	8	14%
Cases	187	450	614	322	301	249	296	

**Graph 2: Frequency of Fishing - Chesapeake and Coastal Bay Regions**



## License Use and Fishing Setting

The survey inquired about an individual's license status and if they planned to purchase a license again. Table 3 shows the results: the overwhelming majority in both cases had or intended to purchase licenses.<sup>5</sup>

**Table 3: License Purchased in 2000 and Intention in 2001  
(in percentages)**

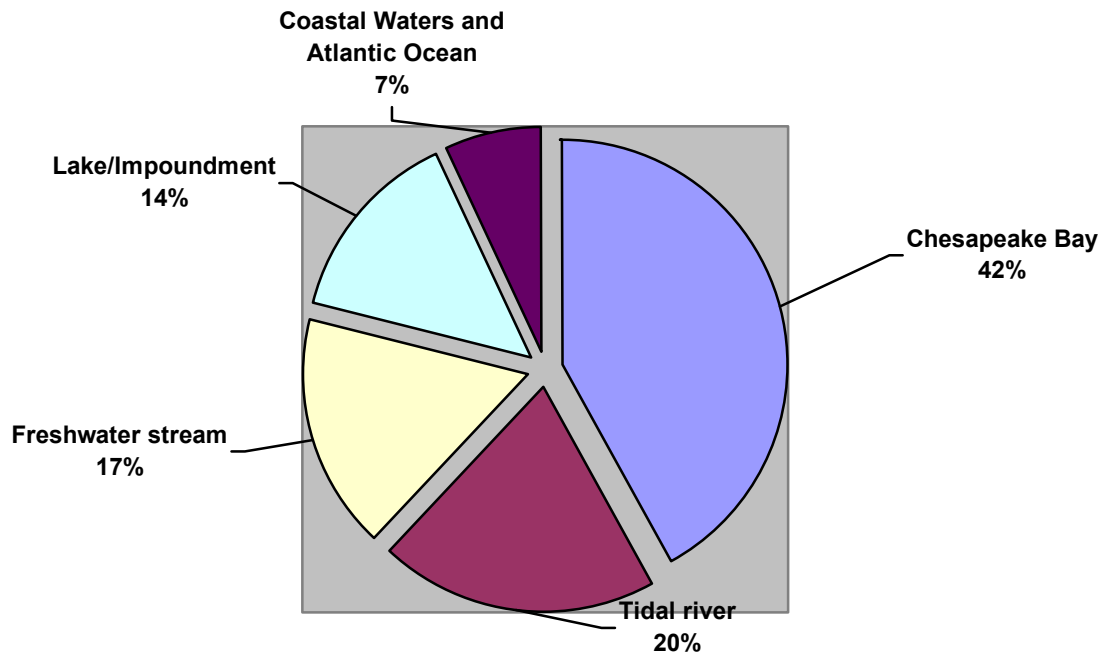
	Purchases in 2000	Intend to purchase in 2001
Yes	94	96
No	6	4
Total	100	100
Cases	1255	1255

Table 4 and Graph 3 show the results when respondents were asked where they fished most often. The Chesapeake Bay was clearly the most common area in which they fished (42%).

**Table 4: Favored Locales for Fishing (in percentages)**

Locale	Percent	Cases
Chesapeake Bay	42	525
Tidal river	20	243
Freshwater stream	17	215
Lake/Impoundment	14	181
Coastal Waters and Atlantic Ocean	7	88
Total	100	1252

**Graph 3: Fishing Locales, in percent**

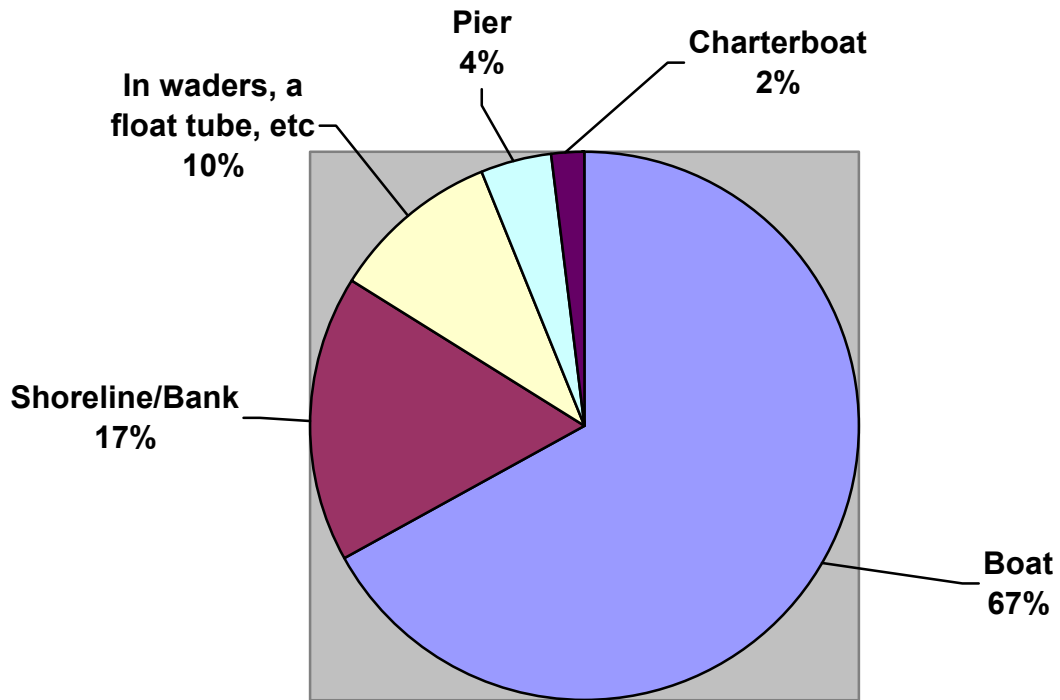


<sup>5</sup> This result may be biased by the survey methodology – most questionnaires were completed where anglers can purchase a license.



Graph 4 indicates that most respondents tended to fish from a boat (67%) followed at a distance by shoreline/bank (17%)<sup>6</sup>.

**Graph 4: Fishing Methods (in percent)**



### ***Fish Species Preference***

The questionnaire asked respondents to volunteer their three top choices among fish species. Table 6 summarizes the reported species and shows that respondents did not always provide enough detail for effective reporting (as with “trout” which was rarely specified as brown, brook or rainbow).

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<sup>6</sup> This result may be biased by the survey methodology – 47% of the surveys were completed at outdoor fishing and boating shows.

**Table 6: Fish Species Preference (alphabetically, in percent)**

<b>Fish Species</b>	<b>1<sup>st</sup> Choice</b>	<b>2<sup>nd</sup> Choice</b>	<b>3<sup>rd</sup> Choice</b>	<b>Cumulative Percent</b>
Bass (overall)	30	23	8	61
-Bass – Largemouth Bass	25	11	5	41
-Bass – Smallmouth Bass	5	12	3	20
Bass – Striped Bass	41	16	13	70
Bluefish	2	4	5	11
Bluegill	0	1	1	2
Carp	0	0	0	0
Catfish (overall)	1	2	5	8
Cobia	0	0	0	0
Crappie (overall)	1	2	4	7
Croaker	2	7	10	19
Dolphin	0	0	0	0
Drum (overall)	0	1	0	1
Flounder	5	8	6	19
Marlin	0	0	0	0
Muskie	0	1	1	2
Panfish	0	1	3	4
Perch (overall)	3	8	8	19
-Perch – White	2	3	3	8
-Perch – Yellow	1	5	5	11
Pickrel, Chain	0	1	1	2
Pike, Northern	0	1	1	2
Sea trout	0	0	0	0
Shad	0	1	1	2
Sharks	0	0	0	0
Sheepshead	0	0	0	0
Spanish Mackerel	0	0	0	0
Spot	0	0	1	1
Sunfish	0	0	1	1
Tautog	0	1	0	1
Trout (overall)	11	16	13	40
-Trout – all others	10	14	12	36
-Trout – Brown	1	1	0	2
-Trout – Rainbow	0	1	1	2
Tuna	1	2	2	5
Wahoo	0	0	0	0
Walleye	1	1	2	4
All other mentions	1	4	11	16
Total	100	103	100	

Table 6 provides a comprehensive listing of most of the fish species mentioned. Some that were only mentioned once (i.e. hickory shad) were not included as species; others that received “zero” percent were usually mentioned two or more times, but never to the point of constituting at least one percent of the tables. Table 7 provides a summary look at the top thirteen species.

**Table 7: Top 13 Fish Species, Ranked by Cumulative Percent<sup>7</sup>**

<b>Fish Species</b>	<b>1<sup>st</sup> Choice</b>	<b>2<sup>nd</sup> Choice</b>	<b>3<sup>rd</sup> Choice</b>	<b>Cumulative Percent</b>
Striped Bass	41	16	13	70
Bass (largemouth / smallmouth)	30	23	8	61
Trout (overall)	11	16	13	40
Perch (overall)	3	8	8	19
Croaker	2	7	10	19
Flounder	5	8	6	19
Bluefish	2	4	5	11
Catfish (overall)	1	2	5	8
Crappie	1	2	4	7
Tuna	1	2	2	5
Panfish	0	1	3	4
Walleye	1	1	2	4
Total	99	92	82	

Clearly striped bass was the most highly sought species, constituting 27 percent of all preferences. Smallmouth and largemouth bass combined were the second most sought-after species (61%), followed by trout (40%), followed by croakers (19%) and bluefish (19%).

### ***Motivations for Fishing and Reasons why Anglers might not Fish Frequently***

This question used a five-point scale asking respondents to identify the importance of specified motivations for fishing. Table 8 shows the results. The column labeled “*mean scale*” takes the 0-4 scale and provides an easy-to-understand average value. The higher the value, the greater the importance placed on the item by the respondents. The three motivations that ranked highest were: to enjoy the outdoors/nature, to be with family/friends, and the challenge/sport.

The question was left open-ended for motivations other than those given. Additional motivations commonly mentioned included: enjoyment, getting away from work, retired, relaxing, stress relief, to be out in nature. A complete list of volunteered motivations for not fishing is provided in Appendix B (see “Fishing Motive: Volunteered Answer” on page 41)

<sup>7</sup> Cumulative percent is the 1<sup>st</sup> choice, 2<sup>nd</sup> choice and 3<sup>rd</sup> choice responses combined in each fish species category.

**Table 8: Reasons for Fishing, Ranked by Mean Scale (in percent)**

Possible reasons for fishing:	Not Important		Somewhat Important		Very Important	Total	Mean Scale	Cases
	0	1	2	3	4			
SCALE USED (0-4)	0	1	2	3	4			
To enjoy the outdoors/nature	2	1	4	19	75	101	3.6	1255
To be with family and friends	7	6	16	27	45	101	3.0	1255
For the challenge/sport	9	4	12	30	44	99	3.0	1255
To catch large fish	7	10	32	29	23	101	2.5	1255
To catch many fish	14	16	38	17	16	101	2.1	1255
To catch fish to eat	34	13	22	14	17	100	1.7	1255
For tournament competition	62	12	11	8	7	100	.8	1255

The next set of questions used the same “importance” scale but asked which reasons motivated the respondent *not* to fish. Table 9 shows the results. “Pollution, water quality, fish health” was the most important reason, followed by “too crowded,” “fishing areas not accessible,” “don’t know when and where to fish,” and “costs too much” respectively. This question was also left open-ended for motivations other than those given. The majority of additional answers included: poor weather, lack of a boat, other obligations, no access, no fish to catch, and old age or other impairments. A complete list of volunteered motivations for not fishing is provided in Appendix B (see “Don’t fish more because: Volunteered answer” on page 45)

**Table 9: Reasons for NOT Fishing, Ranked by Mean Scale (in percent)**

Possible reasons for NOT fishing more often:	Not Important		Somewhat Important		Very Important	Total	Mean Scale	Cases
	0	1	2	3	4			
SCALE USED (0-4)	0	1	2	3	4			
Pollution, water quality, fish health	33	14	17	12	24	100	1.8	1255
Too crowded	34	14	21	16	15	100	1.7	1255
Fishing areas are not accessible	40	15	21	14	11	101	1.4	1255
Don’t know when & where to fish	49	17	17	8	10	100	1.1	1255
Costs too much	51	18	17	8	6	100	1.0	1255
Don’t know the fishing laws	65	13	9	5	8	100	.8	1255
No one to go with	60	14	13	8	5	100	.8	1255
Am not very successful at fishing	63	13	15	6	3	101	.7	1253
Fishing areas too primitive (no restroom, pavilion, parking.)	67	13	10	6	5	101	.7	1254

## Quality of Fishing

Question eight of the survey asked respondents to rate the quality of fishing in Maryland during the last five years, with a scale ranging from “much improved” to “drastically declined.” Table 10 provides the results. A majority of respondents thought that the quality of fishing had much improved (25%) or at least somewhat improved (42%). A complete list of open-ended responses can be found in Appendix B “How would you rate the quality of fishing in Maryland during the last 5 years volunteered answer” on page 47)

**Table 10: Quality of Fishing in Maryland, Change over last Five Years (in percent)**

Perception of Quality of Fishing	Percent	Cases
Much improved	25	313
Somewhat improved	42	521
Has not changed	10	129
Somewhat declined	13	157
Drastically declined	3	31
No opinion	8	104
Total	101	1255

## Satisfaction with Fishing Experience

The survey inquired into the respondents’ satisfaction with various aspects of fishing. These questions used a five-point satisfaction scale with higher numbers being associated with *lower* levels of satisfaction. Table 11 shows the results, which reinforces findings in table 8 suggesting that *the outdoor experience and social interaction are the best elements of fishing*. Other elements more directly related to fishing – access, types of fish, number of fish, fish health and size of fish – all ranked lower.

**Table 11: Satisfaction with Various Elements of Fishing Experience (in percent)**

	Very Satisfied					Total	Mean Scale	Cases
	1	2	3	4	5			
SCALE USED (1-5)								
Outdoor / natural experience	50	27	10	6	7	100	2.0	1233
Time spent with family/friends	44	23	19	8	6	100	2.1	1218
Overall quality of fishing experience	32	35	20	8	5	100	2.2	1239
Access / availability	31	29	24	11	6	101	2.6	1232
Type of fish caught	26	30	31	11	3	101	2.4	1237
Number of fish caught	24	24	36	12	4	100	2.5	1246
Fish Health	24	31	29	12	4	100	2.4	1241
Size of fish caught	19	28	37	15	3	102	2.6	1241

Note: Low numbers for the mean scale indicate *higher levels of satisfaction*.

## **Regulations/Responsiveness of Fisheries Service and Equipment used**

Questions 10 and 12 dealt in some way with the issues related to the Fisheries Service: the complexity of fishing regulations and the responsiveness of the Fisheries Service.

### **Regulations**

The overwhelming majority of respondents found that Maryland’s fishing regulations were “easily understood” (80% vs. 20% “too hard to understand”). There were no statistically significant differences in these results when this question was cross-tabulated with all of the demographic variables (zip, gender, race, income, age and Internet access).

### **Responsiveness of Fisheries Service**

The responsiveness question asked respondents to express their degree of agreement with the statement “I believe Fisheries Service understands and is responsive to the recreational anglers’ concerns in comparison with other users when making regulatory decisions” using a five-point scale ranging from strongly agree to strongly disagree. As seen on Table 12, respondents were evenly split, with one-half agreeing that Fisheries was responsive, and the other half either undecided or disagreeing. About 13 percent of the sample volunteered an open-ended comment on this matter, with typical responses including: “biased in favor of commercial anglers”, “commercial fishermen have more influence,” “decisions based on politics,” “freshwater, I agree, saltwater, no,” and “need tougher enforcement of laws.” A complete list of comments is provided in Appendix B on page 56 under “volunteered responses.”

**Table 12: Responsiveness of Fisheries**

	<b>Percent</b>	<b>Cases</b>
Strongly agree	10	127
Agree	40	490
Undecided	31	382
Disagree	14	178
Strongly disagree	5	59
Total	100	1236

### **Circle Hooks**

Questions 11a and 11b asked the respondent about the perceived effectiveness of circle hooks in reducing fishing mortality and whether the respondent would use these hooks.

Table 13 shows the results for perceptions of effectiveness. A majority of respondents (59%) agreed that circle hooks were more effective for reducing fish mortality than other types of hooks. A large portion of respondents (38%) was undecided about the effectiveness of circle hooks. Only a small percentage (4%) disagreed.

**Table 13: Circle Hooks Reduce Mortality? (in percent)**

	Percent	Cases
Strongly agree	27	332
Agree	32	394
Undecided	38	472
Disagree	3	37
Strongly disagree	1	12
Total	101	1247

Table 14 shows that most respondents would use circle hooks at least occasionally (71%) or always (16%).

**Table 14: Would You Use Circle Hooks? (in percent)**

	Percent	Cases
Always	16	192
Occasionally	71	864
Never	13	156
Total	100	1212

### ***Importance of Fisheries Service Activities***

Question 15 asked respondents to examine a list of ten possible Fisheries Service activities and rank the top five activities in terms of their importance. Clearly, “improving fish habitat” was the top priority for the sample (90% placed it in the top 5). Also of high importance were “establishing and enforcing fishing regulations” (75%), “monitoring and surveying fish populations,” (71%) and “educating children on fishing fundamentals” (66%). The least important activities reported in the survey were fish stocking and improving fishing opportunities for urban residents (all 25% and under).

**Table 15: Fisheries Activities Ranked by Importance, Ranked by Cumulative Percent<sup>8</sup> (in percent)**

Activity	1 <sup>st</sup> Choice	2 <sup>nd</sup> Choice	3 <sup>rd</sup> Choice	4 <sup>th</sup> Choice	5 <sup>th</sup> Choice	Cumulative Percent
Improving fish habitat	39	23	15	7	6	90
Establishing and enforcing fishing regulations	19	20	16	10	10	75
Monitoring and surveying fish populations	10	16	17	16	12	71
Educating children on fishing fundamentals	15	12	12	14	13	66
Improving fishing access (i.e., boat ramps & piers)	5	9	12	16	12	54
Providing fishing information to the public	4	6	10	14	17	51
Fish stocking for put and take fishing (i.e., rainbow trout)	3	3	6	6	7	25
Improving fishing opportunities for urban residents	1	3	3	4	4	15
Fish stocking for population restoration (i.e., American shad)	0	0	0	0	0	0
None	5	8	10	14	19	56
	101	100	101	101	100	503

<sup>8</sup> Cumulative percent is the 1<sup>st</sup> choice, 2<sup>nd</sup> choice, 3<sup>rd</sup> choice, 4<sup>th</sup> choice and 5<sup>th</sup> choice responses combined in each fish species category.

## ***Preferences for Receiving Information about Fishing and Satisfaction with Fisheries Performance in that Respect and Overall***

The survey also focused on respondents' preferences regarding how they would "prefer to hear about fisheries activities and information." They were given nine choices and were asked to rank the top three. Table 16 indicates that the sample felt that newspapers were the best means of communication (63% cumulative) followed closely by the DNR Fisheries website (55%). Other items such as magazines (37%), fishing shows (34%) and radio (19%) ranked well behind.

**Table 16: Ranking of Ways in which Fisheries Contacts the Public (in percent)**

<b>Activity</b>	<b>1<sup>st</sup> Choice</b>	<b>2<sup>nd</sup> Choice</b>	<b>3<sup>rd</sup> Choice</b>	<b>Cumulative Percent</b>
Newspaper	26	24	13	63
DNR Fisheries Website	31	14	10	55
Magazines	12	14	11	37
Fishing shows	5	13	16	34
Brochures/flyers	4	11	13	28
Signs/bulletin boards in the field (at fishing spots)	4	7	13	24
At my Sport fishing club	7	6	8	21
Radio	6	6	7	19
Contacts with Fisheries field and office personnel	2	5	7	14
Shops*	1	1	1	3
Friends*	1	0	1	2
Other	1	0	0	1
	100	101	100	
Cases	1231	1204	1180	

Note: \*These items were added based on recoded results.

Table 17 shows that higher income respondents dominated the survey and favored the use of the Fisheries web site a bit more than other means of communication.

**Table 17: Cross Tabulation of 1<sup>st</sup> Preference for Communication and Income (in percent)**

<b>Activity</b>	<b>Under \$20k</b>	<b>\$20,000- 39,999</b>	<b>\$40,000- 59,999</b>	<b>\$60,000 or more</b>	<b>Total Percent</b>
DNR Fisheries Website	3	9	23	65	100
Fishing shows	4	12	23	61	100
At my Sportfishing club	8	17	14	61	100
Brochures/flyers	7	11	25	57	100
Contacts with Fisheries field and office personnel	0	35	9	57	101
Newspaper	3	15	28	54	100
Signs/bulletin boards in the field (at fishing spots)	5	21	25	50	101
Magazines	10	18	22	50	100
Radio	7	8	40	44	99
<b>Overall percentages of income categories</b>	<b>5</b>	<b>13</b>	<b>25</b>	<b>57</b>	<b>100</b>



Rather obvious conclusions were obtained regarding the cross tabulation between Internet access and first preference for communication, with virtually all those identifying the website having Internet access (see Table 18).

**Table 18: Cross Tabulation of 1<sup>st</sup> Preference for Communication and Internet Access (in percent)**

<b>Activity</b>	<b>Has Internet Access</b>	<b>No Internet Access</b>	<b>Total Percent</b>
DNR Fisheries Website	97	3	100
Fishing shows	83	17	100
At my Sportfishing club	81	19	100
Brochures/flyers	75	25	100
Contacts with Fisheries field and office personnel	67	33	100
Newspaper	74	26	100
Signs/bulletin boards in the field (at fishing spots)	80	20	100
Magazines	71	29	100
Radio	81	19	100
<b>Overall</b>	<b>82</b>	<b>18</b>	<b>100</b>

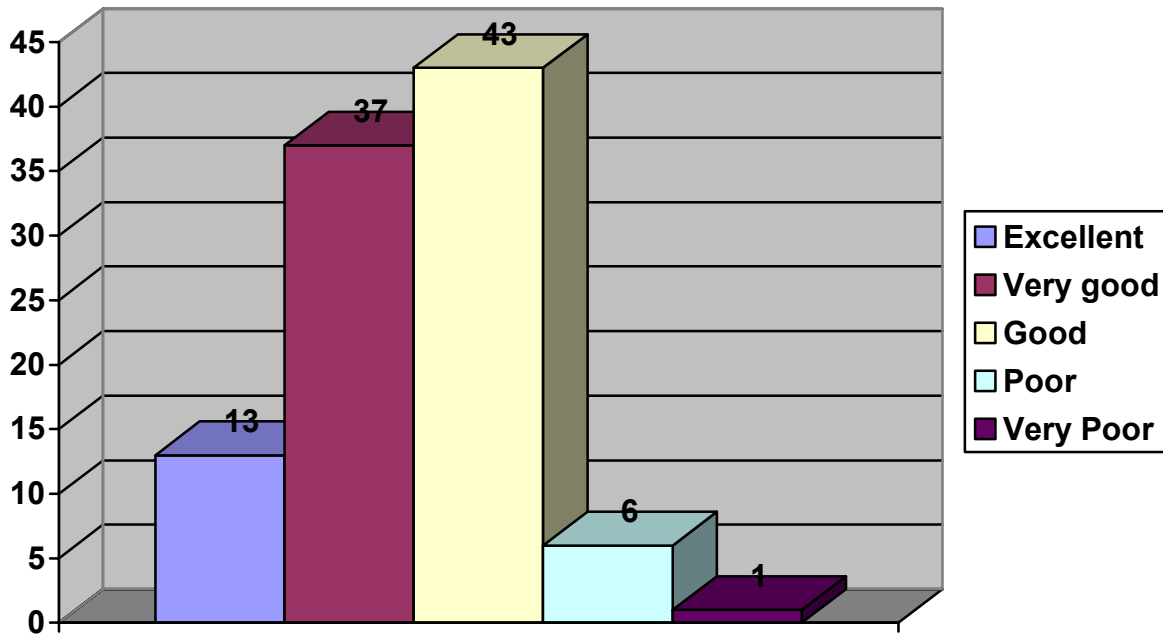
### **Rating of Fisheries Service Ability to Provide Public Information about Maryland’s Fisheries and Regulations plus Overall Fisheries Service Rating**

Question 15 asked respondents to rate Fisheries Service regarding how well it provided information about Maryland’s fisheries and regulations, giving a choice ranging from excellent to very poor. Question 16 asked respondents to rate the overall performance of the Fisheries Service. Table 19 shows that there was nearly no difference between the two measures. In both cases about one-half of the sample thought that Fisheries performed “excellent” or “very good” (47% and 50%), with most of the remainder saying “good” (44% and 43%). Overall this seems a positive assessment of Fisheries Service.

**Table 19: Rating of Fisheries Service Ability to Provide Information and Overall (in percent)**

	<b>Providing Information</b>		<b>Overall</b>	
	<b>Percent</b>	<b>Cases</b>	<b>Percent</b>	<b>Cases</b>
Excellent	14	167	13	163
Very good	33	412	37	459
Good	44	541	43	534
Poor	9	108	6	71
Very poor	1	12	1	10
<b>Total</b>	<b>101</b>	<b>1240</b>	<b>100</b>	<b>1237</b>

**Graph 5: Overall Rating for Fisheries (in percent)**



**Sport Fish Advisory Commission**

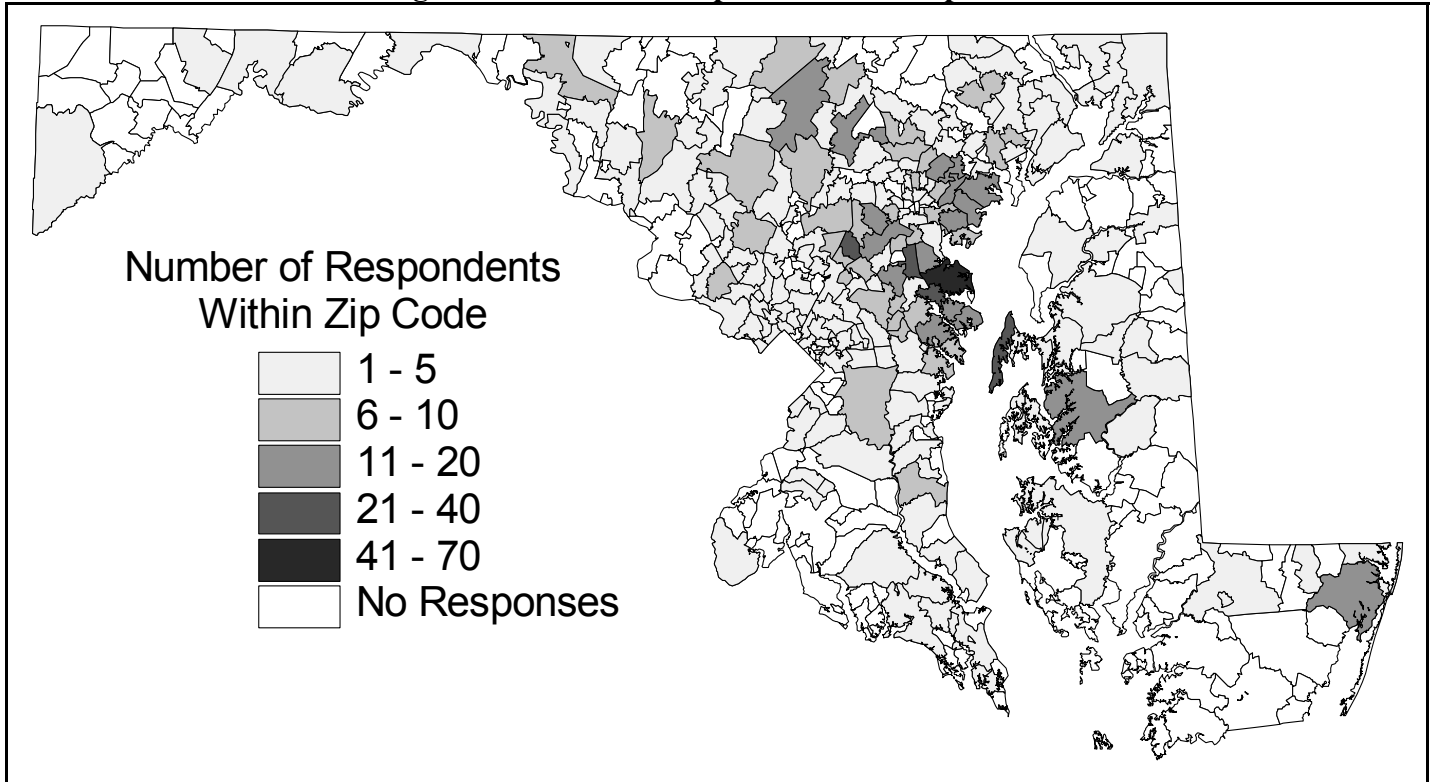
The last substantive question asked of this sample was “Did you know there is a Sport Fish Advisory Commission (SFAC) that represents and takes comments from the recreational fishing public and makes recommendations to the Department?” Most respondents did *not* know that this commission existed with only 38 percent saying “yes.” The SFAC has the duty of advising the Director of Fisheries Service on all matters referred to the commission by the Director. SFAC is comprised of individuals from across the State that represent the interests of various constituencies in recreational fisheries. The Commission meets once a month at the Tawes State Office Building in Annapolis, Maryland.<sup>9</sup>

<sup>9</sup> Internet access did not have any statistically significant relationship to knowledge about the Commission.

## Background Questions

The questionnaire concluded with a series of background questions, starting with *zip code*, which is listed in Appendix B and illustrated geographically in Figure 1.

**Figure1. Number of Respondents with Zip Code.**



*Gender* was also asked, with the results clearly favoring males who constituted 95 percent of the sample.

*Ethnicity/race* was asked with the results, summarized in Table 20, showing that the great majority of respondents were white (95%).

**Table 20: Ethnicity/Race**

	Percent	Cases
Hispanic	0	5
Native American	1	9
White	95	1143
Asian American	1	8
African American	3	41
Total	100	1208

The results for “income” suffered from the lack of sufficient categories at the higher income level. This is shown in Table 21, where well over half of the respondents were in the highest income category.

**Table 21: Income**

	<b>Percent</b>	<b>Cases</b>
Under \$20,000	5	57
\$20,000-\$39,999	14	158
\$40,000-\$59,999	25	289
\$60,000 or more	57	666
Total	101	1170

The average *age* of the respondents was 46 years with a range from 7 to 84 years old. The most frequently reported age was 50 years old.

In the last question, the great majority (81%) reported having access to the Internet. It is unlikely that this figure is significantly affected by access to the survey on the Internet because only sixteen percent of the completed surveys forms were received via the Internet.

# Appendix A: Questionnaire

## 2001 FISHERIES SERVICE ANGLER PREFERENCE SURVEY



**Your answers are important!**  
This questionnaire should be completed ...even if you don't fish very often!

1. Using the blank box next to each region, write the approximate number of days you fished within each region of Maryland last year. Leave the box blank if you did not fish in that region. Tidal tributaries are considered portions of the Chesapeake Bay (Give your best estimate.)

Freshwater Fisheries Regions	Regions of the Chesapeake and Coastal Bays
<p>Using the blank boxes next to each region, indicate the number of days you fished within each region of Maryland and the Chesapeake and Coastal Bays this year.</p>	

2. Did you buy a MD fishing license in 2000?    3. Do you plan on buying a MD fishing license for 2001?
- Yes     No                     
  Yes     No

<p>4.a. Where do you fish <u>most often</u>? Mark only <u>one</u> box.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Freshwater stream</li> <li><input type="checkbox"/> Tidal river</li> <li><input type="checkbox"/> Lake / Impoundment</li> <li><input type="checkbox"/> Chesapeake Bay</li> <li><input type="checkbox"/> Coastal waters &amp; Atlantic Ocean</li> </ul>	<p>4.b. How do you fish <u>most often</u>? Mark only <u>one</u> box.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> From a boat</li> <li><input type="checkbox"/> From a charterboat</li> <li><input type="checkbox"/> From a pier</li> <li><input type="checkbox"/> From the shoreline / bank</li> <li><input type="checkbox"/> In waders, a float tube, etc.</li> </ul>
---	--

5. Which fish type (species) do you most prefer to fish for ranked in order of first, second, and third choices?

① \_\_\_\_\_

② \_\_\_\_\_

③ \_\_\_\_\_

6. When you go fishing, how important is each of the following reasons? Circle a number to rate the importance of each reason.

<b>Possible reasons for fishing:</b>	<b>Not Important</b>		<b>Somewhat Important</b>		<b>Very Important</b>	
To catch fish to eat	0	1	2	3	4	
To be with family and friends	0	1	2	3	4	
To catch many fish	0	1	2	3	4	
To enjoy the outdoors/nature	0	1	2	3	4	
To catch large fish	0	1	2	3	4	
For tournament competition	0	1	2	3	4	
For the challenge/sport	0	1	2	3	4	
Other _____	0	1	2	3	4	

7. Below is a list of some of the reasons why people do not fish more often. How important is each reason for you not fishing more often? Circle a number to rate each reason.

<b>Possible reasons for not fishing more often:</b>	<b>Not Important</b>		<b>Somewhat Important</b>		<b>Very Important</b>	
Am not very successful at fishing	0	1	2	3	4	
Fishing areas are not accessible	0	1	2	3	4	
Don't know when & where to fish	0	1	2	3	4	
Pollution, water quality, fish health	0	1	2	3	4	
Don't know the fishing laws	0	1	2	3	4	
Fishing areas too primitive (no restroom, pavilion, parking.)	0	1	2	3	4	
Too crowded	0	1	2	3	4	
Costs too much	0	1	2	3	4	
No one to go with	0	1	2	3	4	
Other _____	0	1	2	3	4	

8. How would you rate the quality of fishing in Maryland during the last 5 years?

- much improved
- somewhat improved
- has not changed
- somewhat declined
- drastically declined
- no opinion or

Other Comment \_\_\_\_\_

9. How satisfied were you with each of the following aspects of your fishing experience during the last year you fished?  
Circle a number to rate each item.

	Very Satisfied			Very Dissatisfied	
Number of fish caught	1	2	3	4	5
Type of fish caught	1	2	3	4	5
Time spent with family/friends	1	2	3	4	5
Size of fish caught	1	2	3	4	5
Fish Health	1	2	3	4	5
Outdoor / natural experience	1	2	3	4	5
Access / availability	1	2	3	4	5
Overall quality of fishing experience	1	2	3	4	5

10. What is your opinion regarding the level of complexity of Maryland's fishing regulations?

- easily understood
- too hard to understand

<p>11.a. I believe circle hooks are effective at reducing mortality in caught &amp; released fish. Mark only <u>one</u> box.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> strongly agree</li> <li><input type="checkbox"/> agree</li> <li><input type="checkbox"/> not sure</li> <li><input type="checkbox"/> disagree</li> <li><input type="checkbox"/> strongly disagree</li> </ul>	<p>11.b. I would use circle hooks in fishing? Mark only <u>one</u> box.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> always</li> <li><input type="checkbox"/> occasionally</li> <li><input type="checkbox"/> never</li> </ul>
--	--

12. I believe Fisheries Service understands and is responsive to the recreational anglers concerns in comparison with other users when making regulatory decisions:

- strongly agree
- agree
- undecided
- disagree
- strongly disagree

Comments:

\_\_\_\_\_

13. Please mark the **TOP 5** activities which you believe are the most important activities of Fisheries Service using: **1= most important, 2= second most important, 3= third most important, 4= fourth most important, 5= fifth most important.** Only rank five - leave the rest blank.

- educating children on fishing fundamentals
- establishing and enforcing fishing regulations
- improving fish habitat
- improving fishing opportunities for urban residents
- improving fishing access (ie. boat ramps & piers)
- providing fishing information to the public
- monitoring and surveying fish populations
- fish stocking for put and take fishing (ie. rainbow trout)
- fish stocking for population restoration (ie. American shad)
- other (specify) \_\_\_\_\_

14. Where do you prefer to hear about fisheries activities and information? **Rank your top 3 preferences using: 1= most important, 2= second most important, 3= third most important.** Only rank three!

- radio
- magazines
- newspaper
- DNR Fisheries Website
- brochures/flyers
- contacts with Fisheries field and office personnel
- fishing shows
- at my Sportfishing club
- signs/bulletin boards in the field (at fishing spots)
- other (specify) \_\_\_\_\_

15. How would you rate the MD DNR Fisheries Service in providing public information on Maryland's fisheries and regulations:

- excellent
- very good
- good
- poor
- very poor

16. How would you rate the overall performance of the MD DNR Fisheries Service:

- excellent
- very good
- good
- poor
- very poor

17. Did you know there is a Sport Fish Advisory Commission that represents and takes comments from the recreational fishing public and makes recommendations to the Department?

- Yes  No



**Background questions (optional)...**

The following questions help us understand a little bit more about you. Your responses are confidential and will not be associated with your name.

18. What is the zip code of your primary residence? \_\_\_\_\_

19. Please mark your gender:  male  female

20. What race or ethnic background do you consider yourself? (only check one)

- Hispanic  White  African American  
 Native American  Asian American  Other \_\_\_\_\_

21. What was your annual household income last year, before taxes?

- Less than \$20,000  \$20,000 - \$39,999  
 \$40,000 - \$59,999  \$60,000 or more

22. What is your age? \_\_\_\_\_

23. Do you have internet access?  Yes  No

C

-----  
If you would like to qualify for the drawing we need your name and phone number to contact the winner. Your responses are confidential and will not be associated with your name. **Thank you for your cooperation!**

**Name & phone number** \_\_\_\_\_

## Appendix B: Frequency Distribution

**Frequency Table. (Note that the following terms and definitions are used in the tables below:**

- **“Valid”** in the leftmost column indicates the value that was entered;
- **“Frequency”** is the number of times that value was cited;
- **“Percent”** is the percentage out of the total sample (N=1255);
- **“Valid Percent”** is the percentage out of the total sample minus the missing values for that specific variable. Thus for the first variable below, there are 981 missing values (respondents failing to enter any value for this question). The valid percent is calculated using only 272 responses.
- **“Cumulative Percent”** adds up the percent listed in “Valid Percent” until 100 percent is reached.

### ❖ Frequency of fishing in: Western Region

WESTERN\_RE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	25	2.0	9.2	9.2
	2	45	3.6	16.5	25.7
	3	23	1.8	8.5	34.2
	4	21	1.7	7.7	41.9
	5	27	2.2	9.9	51.8
	6	9	.7	3.3	55.1
	7	9	.7	3.3	58.5
	8	11	.9	4.0	62.5
	9	1	.1	.4	62.9
	10	38	3.0	14.0	76.8
	12	6	.5	2.2	79.0
	14	3	.2	1.1	80.1
	15	14	1.1	5.1	85.3
	20	10	.8	3.7	89.0
	25	3	.2	1.1	90.1
	30	4	.3	1.5	91.5
	35	3	.2	1.1	92.6
	40	7	.6	2.6	95.2
	44	1	.1	.4	95.6
	50	3	.2	1.1	96.7
	60	2	.2	.7	97.4
	70	1	.1	.4	97.8
	90	1	.1	.4	98.2
100	2	.2	.7	98.9	
130	1	.1	.4	99.3	
160	1	.1	.4	99.6	
200	1	.1	.4	100.0	
	Total	272	21.7	100.0	
Missing	0	981	78.2		
	System	2	.2		
	Total	983	78.3		
Total		1255	100.0		

❖ Frequency of fishing in: Central Region

CENTRAL\_RE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	14	1.1	3.1	3.1
	2	35	2.8	7.9	11.0
	3	20	1.6	4.5	15.5
	4	12	1.0	2.7	18.2
	5	36	2.9	8.1	26.3
	6	19	1.5	4.3	30.6
	7	3	.2	.7	31.2
	8	4	.3	.9	32.1
	9	1	.1	.2	32.4
	10	72	5.7	16.2	48.5
	11	1	.1	.2	48.8
	12	13	1.0	2.9	51.7
	13	1	.1	.2	51.9
	14	4	.3	.9	52.8
	15	20	1.6	4.5	57.3
	16	1	.1	.2	57.5
	18	1	.1	.2	57.8
	19	1	.1	.2	58.0
	20	56	4.5	12.6	70.6
	25	21	1.7	4.7	75.3
	30	22	1.8	4.9	80.2
	35	5	.4	1.1	81.3
	36	1	.1	.2	81.6
	40	20	1.6	4.5	86.1
	45	5	.4	1.1	87.2
	50	18	1.4	4.0	91.2
	52	1	.1	.2	91.5
	55	1	.1	.2	91.7
	60	5	.4	1.1	92.8
	68	1	.1	.2	93.0
	70	3	.2	.7	93.7
	75	3	.2	.7	94.4
	80	1	.1	.2	94.6
	90	2	.2	.4	95.1
	91	1	.1	.2	95.3
	100	14	1.1	3.1	98.4
	105	1	.1	.2	98.7
	120	2	.2	.4	99.1
	150	2	.2	.4	99.6
	200	2	.2	.4	100.0
	Total	445	35.5	100.0	
Missing	0	810	64.5		
Total		1255	100.0		

❖ Frequency of fishing in: Southern Region

SOUTHERN\_R

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	25	2.0	10.5	10.5
	2	29	2.3	12.2	22.7
	3	15	1.2	6.3	29.0
	4	17	1.4	7.1	36.1
	5	24	1.9	10.1	46.2
	6	8	.6	3.4	49.6
	7	1	.1	.4	50.0
	8	4	.3	1.7	51.7
	9	2	.2	.8	52.5
	10	43	3.4	18.1	70.6
	11	1	.1	.4	71.0
	12	5	.4	2.1	73.1
	13	2	.2	.8	73.9
	15	12	1.0	5.0	79.0
	20	21	1.7	8.8	87.8
	23	1	.1	.4	88.2
	24	1	.1	.4	88.7
	25	7	.6	2.9	91.6
	30	9	.7	3.8	95.4
	35	2	.2	.8	96.2
36	1	.1	.4	96.6	
40	1	.1	.4	97.1	
50	1	.1	.4	97.5	
70	1	.1	.4	97.9	
100	2	.2	.8	98.7	
150	1	.1	.4	99.2	
175	1	.1	.4	99.6	
200	1	.1	.4	100.0	
	Total	238	19.0	100.0	
Missing	0	1017	81.0		
Total		1255	100.0		

❖ Frequency of fishing in: Eastern Region

EASTERN\_RE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	19	1.5	6.1	6.1
	2	33	2.6	10.7	16.8
	3	26	2.1	8.4	25.2
	4	25	2.0	8.1	33.3
	5	31	2.5	10.0	43.4
	6	15	1.2	4.9	48.2
	7	3	.2	1.0	49.2
	8	7	.6	2.3	51.5
	9	1	.1	.3	51.8
	10	46	3.7	14.9	66.7
	12	10	.8	3.2	69.9
	14	1	.1	.3	70.2
	15	13	1.0	4.2	74.4
	20	29	2.3	9.4	83.8
	25	8	.6	2.6	86.4
	30	15	1.2	4.9	91.3
	35	3	.2	1.0	92.2
	40	6	.5	1.9	94.2
	50	6	.5	1.9	96.1
	60	2	.2	.6	96.8
	65	1	.1	.3	97.1
	70	2	.2	.6	97.7
	75	2	.2	.6	98.4
	100	2	.2	.6	99.0
	150	1	.1	.3	99.4
	160	1	.1	.3	99.7
	300	1	.1	.3	100.0
	Total	309	24.6	100.0	
Missing	0	946	75.4		
Total		1255	100.0		

❖ **Frequency of fishing within Chesapeake and Coastal Bay Regions:  
Headwaters**

**HEADWATERS**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	24	1.9	12.8	12.8
	2	20	1.6	10.7	23.5
	3	8	.6	4.3	27.8
	4	15	1.2	8.0	35.8
	5	16	1.3	8.6	44.4
	6	7	.6	3.7	48.1
	7	2	.2	1.1	49.2
	8	4	.3	2.1	51.3
	10	39	3.1	20.9	72.2
	12	6	.5	3.2	75.4
	15	5	.4	2.7	78.1
	19	1	.1	.5	78.6
	20	16	1.3	8.6	87.2
	25	5	.4	2.7	89.8
	30	7	.6	3.7	93.6
	40	3	.2	1.6	95.2
	50	4	.3	2.1	97.3
	60	1	.1	.5	97.9
	75	1	.1	.5	98.4
	90	1	.1	.5	98.9
	100	1	.1	.5	99.5
	365	1	.1	.5	100.0
	Total	187	14.9	100.0	
Missing	0	1068	85.1		
Total		1255	100.0		

❖ Frequency of fishing within Chesapeake and Coastal Bay Regions: Upper Bay

UPPER\_BAY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	32	2.5	7.1	7.1
	2	38	3.0	8.4	15.6
	3	30	2.4	6.7	22.2
	4	25	2.0	5.6	27.8
	5	44	3.5	9.8	37.6
	6	10	.8	2.2	39.8
	7	6	.5	1.3	41.1
	8	6	.5	1.3	42.4
	10	67	5.3	14.9	57.3
	12	12	1.0	2.7	60.0
	14	1	.1	.2	60.2
	15	23	1.8	5.1	65.3
	18	2	.2	.4	65.8
	20	50	4.0	11.1	76.9
	21	1	.1	.2	77.1
	22	1	.1	.2	77.3
	25	8	.6	1.8	79.1
	26	1	.1	.2	79.3
	27	1	.1	.2	79.6
	30	30	2.4	6.7	86.2
	32	1	.1	.2	86.4
	35	4	.3	.9	87.3
	40	12	1.0	2.7	90.0
	45	6	.5	1.3	91.3
	50	13	1.0	2.9	94.2
	60	9	.7	2.0	96.2
	70	2	.2	.4	96.7
	72	1	.1	.2	96.9
	90	1	.1	.2	97.1
	100	5	.4	1.1	98.2
	120	1	.1	.2	98.4
	150	3	.2	.7	99.1
	175	1	.1	.2	99.3
	180	1	.1	.2	99.6
	190	1	.1	.2	99.8
	300	1	.1	.2	100.0
	Total	450	35.9	100.0	
Missing	0	805	64.1		
Total		1255	100.0		

❖ Frequency of fishing within Chesapeake and Coastal Bay: Middle Bay

MIDDLE\_BAY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	48	3.8	7.8	7.8
	2	57	4.5	9.3	17.1
	3	33	2.6	5.4	22.5
	4	24	1.9	3.9	26.4
	5	67	5.3	10.9	37.3
	6	21	1.7	3.4	40.7
	7	9	.7	1.5	42.2
	8	9	.7	1.5	43.6
	10	76	6.1	12.4	56.0
	11	2	.2	.3	56.4
	12	17	1.4	2.8	59.1
	14	2	.2	.3	59.4
	15	35	2.8	5.7	65.1
	16	2	.2	.3	65.5
	17	1	.1	.2	65.6
	18	3	.2	.5	66.1
	20	59	4.7	9.6	75.7
	23	1	.1	.2	75.9
	24	3	.2	.5	76.4
	25	22	1.8	3.6	80.0
	28	3	.2	.5	80.5
	30	38	3.0	6.2	86.6
	35	4	.3	.7	87.3
	40	6	.5	1.0	88.3
	45	3	.2	.5	88.8
	47	1	.1	.2	88.9
	50	23	1.8	3.7	92.7
	58	1	.1	.2	92.8
	60	14	1.1	2.3	95.1
	65	1	.1	.2	95.3
	70	3	.2	.5	95.8
	75	2	.2	.3	96.1
	80	3	.2	.5	96.6
	82	1	.1	.2	96.7
	85	1	.1	.2	96.9
	90	5	.4	.8	97.7
	100	6	.5	1.0	98.7
	130	2	.2	.3	99.0
	150	1	.1	.2	99.2
	160	1	.1	.2	99.3
	180	1	.1	.2	99.5
	200	1	.1	.2	99.7
	300	2	.2	.3	100.0
	Total	614	48.9	100.0	
Missing	0	640	51.0		
	System	1	.1		
	Total	641	51.1		
Total		1255	100.0		



❖ Frequency of fishing within Chesapeake and Coastal Bay Regions: Lower Bay

LOWER\_BAY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	35	2.8	10.9	10.9
	2	54	4.3	16.8	27.6
	3	32	2.5	9.9	37.6
	4	17	1.4	5.3	42.9
	5	52	4.1	16.1	59.0
	6	14	1.1	4.3	63.4
	7	5	.4	1.6	64.9
	8	4	.3	1.2	66.1
	10	40	3.2	12.4	78.6
	12	7	.6	2.2	80.7
	15	9	.7	2.8	83.5
	16	1	.1	.3	83.9
	17	1	.1	.3	84.2
	20	21	1.7	6.5	90.7
	21	1	.1	.3	91.0
	25	3	.2	.9	91.9
	26	1	.1	.3	92.2
	28	1	.1	.3	92.5
	30	8	.6	2.5	95.0
	35	1	.1	.3	95.3
	40	3	.2	.9	96.3
	50	2	.2	.6	96.9
	60	2	.2	.6	97.5
	70	1	.1	.3	97.8
	75	2	.2	.6	98.4
	100	1	.1	.3	98.8
	105	1	.1	.3	99.1
	120	1	.1	.3	99.4
	250	1	.1	.3	99.7
	365	1	.1	.3	100.0
	Total	322	25.7	100.0	
Missing	0	933	74.3		
Total		1255	100.0		

❖ Frequency of fishing within Chesapeake and Coastal Bay Regions: Coastal Bays

COASTAL\_BA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	27	2.2	10.8	10.8
	2	35	2.8	14.1	24.9
	3	28	2.2	11.2	36.1
	4	16	1.3	6.4	42.6
	5	33	2.6	13.3	55.8
	6	10	.8	4.0	59.8
	7	5	.4	2.0	61.8
	8	5	.4	2.0	63.9
	9	2	.2	.8	64.7
	10	30	2.4	12.0	76.7
	12	4	.3	1.6	78.3
	13	1	.1	.4	78.7
	15	9	.7	3.6	82.3
	16	1	.1	.4	82.7
	20	19	1.5	7.6	90.4
	21	1	.1	.4	90.8
	25	4	.3	1.6	92.4
	30	6	.5	2.4	94.8
	35	1	.1	.4	95.2
	40	4	.3	1.6	96.8
	45	1	.1	.4	97.2
	60	1	.1	.4	97.6
	75	1	.1	.4	98.0
	80	1	.1	.4	98.4
	90	1	.1	.4	98.8
	135	2	.2	.8	99.6
	150	1	.1	.4	100.0
	Total	249	19.8	100.0	
Missing	0	1006	80.2		
Total		1255	100.0		

❖ Frequency of fishing within Chesapeake and Coastal Bay Regions: Atlantic Ocean

ATLANTIC\_O

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	45	3.6	15.2	15.2
	2	53	4.2	17.9	33.1
	3	33	2.6	11.1	44.3
	4	26	2.1	8.8	53.0
	5	27	2.2	9.1	62.2
	6	16	1.3	5.4	67.6
	7	4	.3	1.4	68.9
	8	11	.9	3.7	72.6
	9	1	.1	.3	73.0
	10	40	3.2	13.5	86.5
	11	1	.1	.3	86.8
	12	5	.4	1.7	88.5
	14	1	.1	.3	88.9
	15	5	.4	1.7	90.5
	20	9	.7	3.0	93.6
	24	1	.1	.3	93.9
	25	2	.2	.7	94.6
	30	4	.3	1.4	95.9
	31	1	.1	.3	96.3
	35	2	.2	.7	97.0
	40	1	.1	.3	97.3
	50	4	.3	1.4	98.6
	60	1	.1	.3	99.0
	65	1	.1	.3	99.3
	85	1	.1	.3	99.7
	120	1	.1	.3	100.0
	Total	296	23.6	100.0	
Missing	0	959	76.4		
Total		1255	100.0		

❖ Frequency of fishing within Chesapeake and Coastal Bay Regions:  
Potomac River

POTOMAC\_RI

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	25	2.0	8.3	8.3
	2	43	3.4	14.3	22.6
	3	26	2.1	8.6	31.2
	4	23	1.8	7.6	38.9
	5	34	2.7	11.3	50.2
	6	16	1.3	5.3	55.5
	7	9	.7	3.0	58.5
	8	4	.3	1.3	59.8
	10	36	2.9	12.0	71.8
	11	1	.1	.3	72.1
	12	6	.5	2.0	74.1
	14	1	.1	.3	74.4
	15	14	1.1	4.7	79.1
	16	3	.2	1.0	80.1
	20	20	1.6	6.6	86.7
	25	5	.4	1.7	88.4
	30	6	.5	2.0	90.4
	35	2	.2	.7	91.0
	40	7	.6	2.3	93.4
	50	8	.6	2.7	96.0
	60	1	.1	.3	96.3
	70	1	.1	.3	96.7
	75	1	.1	.3	97.0
	80	2	.2	.7	97.7
	90	1	.1	.3	98.0
	100	3	.2	1.0	99.0
104	1	.1	.3	99.3	
110	1	.1	.3	99.7	
200	1	.1	.3	100.0	
	Total	301	24.0	100.0	
Missing	0	939	74.8		
	System	15	1.2		
	Total	954	76.0		
Total		1255	100.0		

❖ **Did you buy a MD fishing license in 2000?**

V2

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1177	93.8	93.8	93.8
	2	78	6.2	6.2	100.0
	Total	1255	100.0	100.0	

❖ **Do you plan on buying a MD fishing license for 2001?**

V3

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	1214	96.7	96.7	96.7
	2	41	3.3	3.3	100.0
	Total	1255	100.0	100.0	

❖ **Where do you fish most often?**

WHERE\_DO\_Y

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	3	.2	.2	.2
	Freshwater strm	215	17.1	17.1	17.4
	Tidal rvr	243	19.4	19.4	36.7
	Lake/impdmnt	181	14.4	14.4	51.2
	Ches Bay	525	41.8	41.8	93.0
	Coastal wtrs/Ocean	88	7.0	7.0	100.0
	Total	1255	100.0	100.0	

❖ **How do you fish most often?**

HOW\_DO\_YOU

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	5	.4	.4	.4
	Boat	841	67.0	67.0	67.4
	Charterboat	30	2.4	2.4	69.8
	Pier	44	3.5	3.5	73.3
	Shoreline/bank	216	17.2	17.2	90.5
	Waders etc	119	9.5	9.5	100.0
	Total	1255	100.0	100.0	

Note for Fish Species Preference: LMB = Largemouth bass, SMB= Smallmouth bass, Trout= Species was not specified - may include brook, brown, rainbow or grey (weakfish).

❖ Fish Species Preference –1<sup>st</sup> Choice

#1\_FISH\_TY

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	12	1.0	1.0	1.0
ANY	2	.2	.2	1.1
BLUE CRAB	1	.1	.1	1.2
BLUEFISH	8	.6	.6	1.8
BLUEGILL	1	.1	.1	1.9
BROOK TROUT	1	.1	.1	2.0
BROWN TROUT	13	1.0	1.0	3.0
CARP	2	.2	.2	3.2
CATFISH	16	1.3	1.3	4.5
COBIA	1	.1	.1	4.5
CRABS	1	.1	.1	4.6
CRAPPIE	7	.6	.6	5.2
CROAKER	21	1.7	1.7	6.9
DOLPHIN	2	.2	.2	7.0
FLOUNDER	58	4.6	4.6	11.6
LMB	307	24.5	24.5	36.1
MAKO SHARK	3	.2	.2	36.3
MARLIN	3	.2	.2	36.6
MUSKIE	2	.2	.2	36.7
PANFISH	3	.2	.2	37.0
PERCH	10	.8	.8	37.8
PICKEREL	3	.2	.2	38.0
PIKE	5	.4	.4	38.4
RAINBOW TROUT	1	.1	.1	38.5
REDDRUM	1	.1	.1	38.6
SBASS	520	41.4	41.4	80.0
SHAD	3	.2	.2	80.2
SHARK	2	.2	.2	80.4
SMB	64	5.1	5.1	85.5
SPOT	3	.2	.2	85.7
SUNFISH	1	.1	.1	85.8
TAUTOG	2	.2	.2	86.0
TIGER MUSKIE	1	.1	.1	86.1
TROUT	129	10.3	10.3	96.3
TUNA	11	.9	.9	97.2
W PERCH	21	1.7	1.7	98.9
WALLEYE	7	.6	.6	99.4
WHITE MARLIN	2	.2	.2	99.6
Y PERCH	4	.3	.3	99.9
YELLOWFIN TUNA	1	.1	.1	100.0
Total	1255	100.0	100.0	

## ❖ Fish Species Preference – 2<sup>nd</sup> Choice

#2\_FISH\_TY

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	46	3.7	3.7	3.7
A SHAD	2	.2	.2	3.8
BLUE MARLIN	1	.1	.1	3.9
BLUEFIN TUNA	1	.1	.1	4.0
BLUEFISH	54	4.3	4.3	8.3
BLUEGILL	12	1.0	1.0	9.2
BROOK TROUT	5	.4	.4	9.6
BROWN TROUT	3	.2	.2	9.9
CARP	2	.2	.2	10.0
CATFISH	28	2.2	2.2	12.3
COBIA	1	.1	.1	12.4
CRABS	2	.2	.2	12.5
CRAPPIE	30	2.4	2.4	14.9
CROAKER	83	6.6	6.6	21.5
DOLPHIN	3	.2	.2	21.8
DRUM	4	.3	.3	22.1
FLOUNDER	100	8.0	8.0	30.0
GROUPE	1	.1	.1	30.1
H SHAD	1	.1	.1	30.2
HICKORY	1	.1	.1	30.3
LMB	138	11.0	11.0	41.3
MARLIN	2	.2	.2	41.4
MUSKIE	4	.3	.3	41.8
PANFISH	15	1.2	1.2	42.9
PERCH	52	4.1	4.1	47.1
PICKERAL	9	.7	.7	47.8
PIKE	10	.8	.8	48.6
RAINBOW TROUT	7	.6	.6	49.2
REDDRUM	1	.1	.1	49.2
SBASS	199	15.9	15.9	65.1
SHAD	10	.8	.8	65.9
SHARK	1	.1	.1	66.0
SMB	150	12.0	12.0	77.9
SPANISH MACKERAL	1	.1	.1	78.0
SPECKLED TROUT	1	.1	.1	78.1
SPOT	4	.3	.3	78.4
SPOTTED TROUT	3	.2	.2	78.6
STROUT	3	.2	.2	78.9
SUNFISH	3	.2	.2	79.1
TAUOG	6	.5	.5	79.6
THRESHER	1	.1	.1	79.7
TIGER MUSKIE	2	.2	.2	79.8
TROUT	170	13.5	13.5	93.4
TUNA	22	1.8	1.8	95.1
W PERCH	37	2.9	2.9	98.1
WALLEYE	16	1.3	1.3	99.4
Y PERCH	7	.6	.6	99.9
YELLOWFIN TUNA	1	.1	.1	100.0
Total	1255	100.0	100.0	

## ❖ Fishing Species Preference – 3<sup>rd</sup> Choice

#3\_FISH\_TY

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	139	11.1	11.1	11.1
ALL FISH	1	.1	.1	11.2
ALL FRESHWATER FI	1	.1	.1	11.2
ALL OTHER	2	.2	.2	11.4
ANY	4	.3	.3	11.7
BLUEFISH	66	5.3	5.3	17.0
BLUEGILL	6	.5	.5	17.5
BONEFISH	1	.1	.1	17.5
BOTTOMFISH	1	.1	.1	17.6
BROOK TROUT	2	.2	.2	17.8
BROWN TROUT	1	.1	.1	17.8
CARP	4	.3	.3	18.2
CATFISH	62	4.9	4.9	23.1
COBIA	2	.2	.2	23.3
CRAPPIE	48	3.8	3.8	27.1
CROAKER	128	10.2	10.2	37.3
DOLPHIN	1	.1	.1	37.4
DRUM	4	.3	.3	37.7
FLOUNDER	71	5.7	5.7	43.3
LMB	64	5.1	5.1	48.4
MARLIN	3	.2	.2	48.7
MUSKIE	7	.6	.6	49.2
PANFISH	38	3.0	3.0	52.3
PERCH	57	4.5	4.5	56.8
PICKERAL	8	.6	.6	57.5
PICKEREL	1	.1	.1	57.5
PIKE	18	1.4	1.4	59.0
RAINBOW TROUT	9	.7	.7	59.7
RED DRUM	2	.2	.2	59.8
RED FISH	1	.1	.1	59.9
REDDRUM	1	.1	.1	60.0
SALTWATER	1	.1	.1	60.1
SBASS	163	13.0	13.0	73.1
SHAD	8	.6	.6	73.7
SHARK	4	.3	.3	74.0
SHEEPSHEAD	1	.1	.1	74.1
SMB	42	3.3	3.3	77.5
SPADEFISH	1	.1	.1	77.5
SPANISH MACKERAL	5	.4	.4	77.9
SPECKLED TROUT	3	.2	.2	78.2
SPOT	12	1.0	1.0	79.1
STRUT	2	.2	.2	79.3
SUNFISH	7	.6	.6	79.8
TAUTOG	3	.2	.2	80.1
TIGER MUSKIE	1	.1	.1	80.2
TROUT	155	12.4	12.4	92.5
TUNA	19	1.5	1.5	94.0
W PERCH	43	3.4	3.4	97.5
WAHOO	1	.1	.1	97.5
WALLEYE	20	1.6	1.6	99.1
WHITE MARLIN	1	.1	.1	99.2
Y PERCH	10	.8	.8	100.0
Total	1255	100.0	100.0	



❖ **Fishing Motive: Catch Fish to Eat**

TO\_EAT\_FIS

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	426	33.9	34.0	34.0
	1	156	12.4	12.5	46.4
	2	279	22.2	22.3	68.7
	3	180	14.3	14.4	83.1
	4	212	16.9	16.9	100.0
	Total	1253	99.8	100.0	
Missing	System	2	.2		
Total		1255	100.0		

❖ **Fishing Motive: Be with family and friends**

BE\_WITH\_FR

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	85	6.8	6.8	6.8
	1	71	5.7	5.7	12.4
	2	206	16.4	16.4	28.8
	3	334	26.6	26.6	55.5
	4	559	44.5	44.5	100.0
	Total	1255	100.0	100.0	

❖ **Fishing Motive: Catch many fish**

CATCH\_MANY

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	169	13.5	13.5	13.5
	1	196	15.6	15.6	29.1
	2	482	38.4	38.4	67.5
	3	210	16.7	16.7	84.2
	4	198	15.8	15.8	100.0
	Total	1255	100.0	100.0	

❖ **Fishing Motive: Enjoy the outdoors**

ENJOY\_OUTD

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	23	1.8	1.8	1.8
	1	9	.7	.7	2.5
	2	44	3.5	3.5	6.1
	3	242	19.3	19.3	25.3
	4	937	74.7	74.7	100.0
	Total	1255	100.0	100.0	

❖ **Fishing Motive: Catch large fish**

**CATCH\_LARG**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	90	7.2	7.2	7.2
	1	120	9.6	9.6	16.7
	2	396	31.6	31.6	48.3
	3	359	28.6	28.6	76.9
	4	290	23.1	23.1	100.0
	Total	1255	100.0	100.0	

❖ **Fishing Motive: Tournament competition**

**TOURNAMENT**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	782	62.3	62.3	62.3
	1	154	12.3	12.3	74.6
	2	133	10.6	10.6	85.2
	3	100	8.0	8.0	93.1
	4	86	6.9	6.9	100.0
	Total	1255	100.0	100.0	

❖ **Fishing Motive: Challenge or sport**

**CHALLENGE/**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	114	9.1	9.1	9.1
	1	51	4.1	4.1	13.2
	2	155	12.4	12.4	25.5
	3	377	30.0	30.1	55.6
	4	557	44.4	44.4	100.0
	Total	1254	99.9	100.0	
Missing	System	1	.1		
	Total	1255	100.0		

## ❖ Fishing Motive: Volunteered Answer

DESCRIBE OTHER	DESCRIBE OTHER
BETTER THAN WORK	1
BUSINESS MEETINGS	1
CATCH & RELEASE	3
CHARTERBOAT CAPTAIN	1
CONSERVATION	1
COST	1
DISCOVER NEW PLACES TO FISH	1
DRINK BEER	1
EDUCATION ABOUT THE RESOURCE	1
ENJOY BOATING	2
ENJOY OUTDOORS	1
ENJOYMENT	1
ENTERTAINMENT	1
ENVIRONMENTAL ADVOCACY	1
FEED THE HUNGRY	2
FISH CONSERVATION	1
FOR HIRE	1
FUN	16
GET AWAY FROM CIVILIZATION	1
GET AWAY FROM WORK	1
I'M HOOKED ON FISHING	1
INTRODUCE OTHERS TO FISHING	1
INTRODUCE URBAN YOUTH TO FISHING	1
KILL TIME AT LUNCH	1
LEARNING HOW TO FISH	1
LEISURE TIME	1
MOVE ON WATER	1
NOT WORK	1
NOW RETIRED	1
R&R	8
RECHARGE MY BATTERIES	1
RECREATION	2
RELAX, FUN	1
RELAXATION	24
SANITY CHECK	1
STRIPED BASS TO EAT	1
SOLITUDE	3
STRESS RELIEF	4
SUNTAN	1
TEACH OTHERS	1

TIME	1
TO BE ALONE	1
TO BE AWAY FROM FAMILY AND FRIENDS	1
TO BE OUT IN NATURE ALONE.	1
TO BE OUT IN MY BOAT	1
TO CATCH FISH	1
TO FIND PEACE WITH MYSELF	1
TO FISH	1
TO HAVE FUN	1
TO LEARN ABOUT NATURE	1
TO RELAX	1
TO SHARE WITH FRIENDS	1
TOURNAMENTS ARE DESTROYING FISHERIES	1
WATCH BIRDS	1

❖ **Don't fish more because: Not very successful at fishing**

**NOT\_SUCCES**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	793	63.2	63.3	63.3
	1	168	13.4	13.4	76.7
	2	182	14.5	14.5	91.2
	3	72	5.7	5.7	97.0
	4	38	3.0	3.0	100.0
	Total	1253	99.8	100.0	
Missing	System	2	.2		
Total		1255	100.0		

❖ **Don't fish more because: Fishing areas not accessible**

**NOT\_ACCESS**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	501	39.9	39.9	39.9
	1	182	14.5	14.5	54.4
	2	264	21.0	21.0	75.5
	3	171	13.6	13.6	89.1
	4	137	10.9	10.9	100.0
	Total	1255	100.0	100.0	

❖ Don't fish more because: Don't know when and where to fish

WHEN\_&\_WHE

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	618	49.2	49.2	49.2
	1	211	16.8	16.8	66.1
	2	211	16.8	16.8	82.9
	3	96	7.6	7.6	90.5
	4	119	9.5	9.5	100.0
	Total	1255	100.0	100.0	

❖ Don't fish more because: Pollution, water quality, fish health

POLLUTION/

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	413	32.9	32.9	32.9
	1	176	14.0	14.0	46.9
	2	217	17.3	17.3	64.2
	3	145	11.6	11.6	75.8
	4	304	24.2	24.2	100.0
	Total	1255	100.0	100.0	

❖ Don't fish more because: Don't know fishing laws

FISHING\_LA

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	816	65.0	65.0	65.0
	1	160	12.7	12.7	77.8
	2	118	9.4	9.4	87.2
	3	59	4.7	4.7	91.9
	4	102	8.1	8.1	100.0
	Total	1255	100.0	100.0	

❖ Don't fish more because: Fishing areas too primitive

AREAS\_TOO\_

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	835	66.5	66.6	66.6
	1	160	12.7	12.8	79.3
	2	124	9.9	9.9	89.2
	3	75	6.0	6.0	95.2
	4	60	4.8	4.8	100.0
	Total	1254	99.9	100.0	
Missing	System	1	.1		
Total		1255	100.0		

❖ Don't fish more because: Fishing areas too crowded

TOO\_CROWDE

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	428	34.1	34.1	34.1
1	169	13.5	13.5	47.6
2	267	21.3	21.3	68.8
3	201	16.0	16.0	84.9
4	190	15.1	15.1	100.0
Total	1255	100.0	100.0	

❖ Don't fish more because: Costs too much

COSTS\_TOO\_

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	638	50.8	50.8	50.8
1	229	18.2	18.2	69.1
2	213	17.0	17.0	86.1
3	98	7.8	7.8	93.9
4	77	6.1	6.1	100.0
Total	1255	100.0	100.0	

❖ Don't fish more because: No one to go with

NO\_ONE\_T

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 0	758	60.4	60.4	60.4
1	174	13.9	13.9	74.3
2	165	13.1	13.1	87.4
3	97	7.7	7.7	95.1
4	61	4.9	4.9	100.0
Total	1255	100.0	100.0	

❖ Don't fish more because: Volunteered answer

DESCRIBE OTHER	FREQUENCY
LIMITED PUBLIC BOAT RAMPS	1
HEALTH	1
HONEY DO'S	1
I'M IN A WHEELCHAIR	1
LACK KNOWLEDGE OF AREAS I WANT TO FISH	1
LACK OF PUBLIC RAMPS IN A.A. CO.	2
LICENSE TOO EXPENSIVE	1
NO ACCESS	1
LIMITED KNOWLEDGE	1

GETTING OLD	1
LOCH RAVEN FROZEN	1
MORE KIDS ONLY FISHING	1
MOST OF THE STREAMS ARE DIRTY AND POLLUTED	1
NEARBY AREAS FISHED OUT	1
NEED MORE PUBLIC BOAT RAMPS ON WESTERN SHORE BAY	1
NEED TO DRIVE TOO FAR TO ACCESS GOOD SPOTS	1
LIMITED BOAT ACCESS	1
DISCOURTESY OF BOATERS TOO CROWDED	1
NEED MORE BOAT RAMPS	1
"VERY" POOR WEATHER	1
AGE	1
BAD WEATHER	1
HAVE TO WORK	1
CROWDED BOAT RAMPS	1
HAVE A TODDLER	1
DISTANCE TOO FAR TO OCEAN	1
DON'T OWN A BOAT	1
DRIVE FROM PA.	1
FISH ID BOOK FOR BEGINERS, SIZE LIMITS ETC.	1
FISH TOO SMALL	1
NO AVAILABLE TIME	1
COST OF GAS	1
TOO MUCH TRASH	1
SIZE & NUMBERS OF FISH	1
NO BOAT	1
TOO BUSY	1
TOO COLD	1
TOO FAR TO DRIVE	1
WORK, FAMILY OBLIGATIONS	1
TOO MUCH COMMERCIAL FISHING ON PATUXENT	1
SEASONS	1
TOURNAMENTS HOGGING THE FACILITY EVERY WEEKEND	1
WE NEED A GOOD FISHING PIER IN WAA COUNTY	1
WEATHER AND CROWDS	1
WIND	1
WINTER	1
WORK AT MY JOB	1
TOO MANY CRAB POTS IN FISHING AREAS	1
OLD AGE	1
NO FISH TO CATCH	1
NO OVERNIGHT FISHING AT PARKS	1
NO TIME OFF	1

NO WALLEYE IN MONT. CO.	1
SPOTTY PRODUCTIVITY OF FISHERY	1
NOT ENOUGH LARGEMOUTH BASS, MUSKIES	1
SD	1
OTHER INTERESTS	1
PIERS AND SHORELINE FACILITIES ARE INADEQUATE, EX.	1
PLEASURE BOATERS	1
POOR MANAGEMENT OF RESOURCES	1
QUESTIONS NOT APPLICABLE	1
RESPONSIBILITIES OF LIFE	1
ROCKY GAP STATE PARK LAUNCH FEE IS TOO EXPENSIVE!	1
NO BOAT	2
NOT ENOUGH TIME	2
WIFE	3
WEATHER	7
WORK	20
TIME	92

❖ **How would you rate the quality of fishing in Maryland during the last 5 years?**

**RATE\_FISHI**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid MISSING	7	.6	.6	.6
MUCH IMPROVED	313	24.9	24.9	25.5
SOMEWHAT IMPROVED	521	41.5	41.5	67.0
NO CHANGE	129	10.3	10.3	77.3
SOMEWHAT DECLINED	157	12.5	12.5	89.8
DRASTICALLY DECLINED	31	2.5	2.5	92.3
NO OPINION	97	7.7	7.7	100.0
Total	1255	100.0	100.0	



❖ **How would you rate the quality of fishing in Maryland during the last 5 years? (Volunteered answer)**

COMMENTS	FREQUENCY
BAY SEEMS TO BE HEALTHY FOR FISHING	1
1999 MIDDLE RIVER FISH KILLS DRASTICALLY IMPAIRED LARGEMOUTH BASS FISHING	1
2000 WAS A GREAT FISHING YEAR	1
ABSENCE OF 24-28" STRIPED BASS	1
ALWAYS KEEPING UNDERSIZED FISH	1
ANY DAY FISHING IS A GOOD DAY	1
AREAS ARE MORE CROWDED	1
B BACHMAN DID A GREAT JOB ON POTOMAC AND GUNPOWDER	1
BAN COMMERCIAL HARVEST OF STRIPED BASS	1
BAN NETS AND LONGLINES	1
BAN NETS IN CHESAPEAKE BAY	1
BAY AND COAST MUCH IMPROVED, F.W. PONDS ARE TERRIBLE, MUCH BETTER IN DELAWARE	1
BLUE CRABS NEED HELP	1
BYCATCH MORTALITIES BY NETTERS A PROBLEM	1
C BAY FISHERIES IN MORE DECLINE THAN FRESHWATER	1
CATCH LIMITS ON ROCKFISH SEEM READY TO REVIEW	1
CENTENIAL PARK LAKE TOO FULL OF WEEDS AND PARK CLOSES TOO EARLY	1
CERTAIN AREAS	1
CHESTER RIVER HAS DRASTICALLY DECLINED	1
CLEAN UP OF BAY IN LAST FIVE YEARS DUE TO VOLUNTEER GROUPS GREAT	1
COMMERCIAL FISHING IN OCEAN DEPLETING FISH STOCKS	1
CONCERNED ABOUT DECLINE OF MENHADEN	1
CONTINUOUS IMPROVEMENT ON ALL FRONTS EXCEPT STRIPED BASS DECREASE IN SIZE	1
COULD BE BETTER FOR BLUEFISH	1
CRABBING WORST EVER IN PAST 5 YEARS	1
CRABS GREATLY DECLINED	1
CROAKER FISHING HAS IMPROVED	1
CROAKER INCREASED, WHITE PERCH DECLINED	1
DECLINE OF GRASS BEDS IN POTOMAC	1
DEEP CREEK LAKE TOO CONGESTED IN SUMMER, OKAY IN FALL AND SPRING	1
DEPENDS ON WHERE YOU GO FISHING	1
DNR SOLD OUT TO FISHERMAN WHEN YOU STRUCK DEAL WITH POWER PLANT ON THE YOUGHIOGHENY! WANT TO FISH THERE AGAIN.	1
DON'T LIKE SHORT NOTICE ON FLOUNDER REGULATIONS	1
DREDGING HAS DESTROYED FISHING IN OUR AREA	1
EXCELLENT WORK REVIVING LIBERTY AND TROUT STREAMS	1
FINFISH ONLY	1
FISHERIES DOING A GREAT JOB EDUCATING PUBLIC	1
FISHING BETTER THAN EVER	1
FISHING HAS IMPROVED BECAUSE ENFORCEMENT OF REGULATIONS	1

FISHING HAS IMPROVED	1
FISHING ON THE LOWER PATUXENT HAS DECLINED	1
FLOUNDER AT O CITY NEED HELP	1
FLOUNDER FISHING BETTER THAN THE 90'S	1
FLOUNDER SEEM TO BE LESS ABUNDANT	1
FRESHWATER IMPROVED, SALTWATER DRASTICALLY DECLINED	1
GOOD JOB	1
GREAT FISHING; STRIPED BASS, CROAKER, FLOUNDER, SEATROUT	1
GREAT FOR STRIPED BASS, CROAKER, FLOUNDER, WEAKFISH	1
GREAT JOB WITH STRIPED BASS NOW DO THE SAME WITH CRABS	1
GREAT NUMBERS OF BIG CROAKER AND SPOT IN KENT NARROWS AREA	1
HAS ALWAYS BEEN GOOD	1
HAVE NOT CAUGHT ENOUGH FISH TO KNOW	1
HAVE NOT FISHED IN MARYLAND	1
HAVE SEEN A DECLINE IN SPECIFIC AREAS	1
HYDRAULIC CLAM DREDGING IN COASTAL BAYS DESTROYING VITAL HABITAT, JET SKIES A BIG PROBLEM	1
I DID NOT DO MUCH FISHING TILL 5 YEARS AGO	1
I HAVE FISHED IN 50'S, 60'S, 70'S AND HAVE SEEN A RAPID DECLINE IN BASS AND CRABS IN OUR BAY. ENVIRONMENT HAS TAKEN TOLL, HOWEVER, #1 REASON IS OVER-FISHING BY SPORT FISHERMEN.	1
I HOOK & LINE FISH; COMMERCIAL & NETTERS ARE TOO GREEDY.	1
I SEE NO IMPROVEMENT IN SIZE, NUMBERS OR VARIETY	1
IF YOU CONTINUE TO OVER REGULATE AND ALLOW SPECIAL INTERESTS TO DICTATE RULES YOU WILL DESTROY THIS RESOURCE	1
IMMIGRANTS KEEPING UNDERSIZED FISH	1
IMPRESSED WITH IMPROVEMENT OF AREA OUTDOORS, I LOVE FISHING IN MD.AS MUCH AS POSSIBLE	1
INCREASE IN STRIPED BASS	1
INCREASE IN NUMBER OF WHITE PERCH TO BE HAVING A NEGATIVE IMPACT ON LIBERTY RESVR	1
INTENTIONAL KILLING OF UPPER BAY GRASSES BY THE STATE IS IMPORTANT HIDDEN HISTORY	1
KEEP CLEAN WATERS	1
KEEP STOCKING MORE WALLEYE, STRIPED BASS AND TROUT	1
KEEP TRYING TO REDUCE RUNOFF	1
LARGER STRIPED BASS AND FLOUNDER HAVE DECLINED, SEA TROUT HAVE IMPROVED	1
LARGER TROUT BEING STOCKED, NEED MORE CATCH&RELEASE FOR TROUT	1
LAST TWO YEARS NOT MANY KEEPER SIZE STRIPED BASS, MOSTLY SMALL	1
LESS GOOD HABITAT, GRASS BEDS	1
LESS STRIPED BASS OF LEGAL SIZE	1
LICENSE COSTSTOO MUCH	1
LIMITS ON LANDLOCKED STRIPED BASS MADE BIGGER FISH	1
LITTLE KNOWLEDGE	1
LARGEMOUTH BASS ON PATUXENT SEEM TO BE DECLINING DUE TO COMMERCIAL FISHING	1
LOCH RAVEN IS SILTING IN, CRAPPIE DECLINING, DUNDEE, SALTPETER STILLFAIR	1
MAGOTHY RIVER NEEDS HELP	1
MAKE STRIPED BASS A GAMEFISH	1
MANY HABITATS HAVE IMPROVED SINCE 99 DROUGHT	1

MORE BOATERS	1
MORE FISH BUT FISH ARE SMALLER	1
MORE STRIPED BASS	1
MORE STRIPED BASS BUT THEY'RE SMALLER	1
MORE STOCKING IS NEEDED	1
MUCH BETTER INSOME AREAS WORSE IN OTHERS	1
NEED A.A. CTY PUBLIC RAMPS, JET SKIS ARE A HAZARD	1
NEED BOAT RAMPS INN A.A. CO.	1
NEED LESS \$ ON PT STOCKING MORE FOR TROPHY CATCH&RELEASE PROGRAMS	1
NEED MORE CATCH&RELEASE	1
NEED MORE SAV'S INBAY AND TRIBS.	1
NEED TO CONTINUE WATER QUAITY MONITORING	1
NEED TO CONTROL COMMERCIAL OVERFISHING, A BIG PROBLEM IN THE CHESAPEAKE BAY	1
NEED TO IMPROVE WATER, MORE BOAT RAMPS AND MORE PEOPLE NEED TO PRACTICE CATCH AND RELEASE	1
NEED TO LIMIT THE NUMBER OFLARGE LARGEMOUTH BASS TOURNAMENTS, ENFORCE NO WAKE ZONES	1
NEED TO REDUCE NUMBER OF CRAB POTS IN THE BAY	1
NEED TO STOP CATERING TO WATERMAN AS IF THEY WERE AN ENDANGERED SPECIES	1
NEED TO STOP HARVESTING OF MENHADEN	1
NEW TO FISHING IN MD	1
NEW REGULATIONS HAVE AFFECTED DECLINE, DUE TO INABILITY TO KEEP FISH	1
NO COMMERCIAL FISHING IN CHESAPEAKE BAY	1
NO PUBLIC RAMPS IN A.A. CO.	1
NON-RESIDENT LICENSE IS TOO COSTLY	1
NOT AS GOOD AS 60'S & 70'S EDUCATION AND CONSERVATION HAVE IMPROVED; NEED MORE NRP.	1
NOT HAPPY WITH 2001 FLOUNDER REGS.	1
ONLY BEEN HERE 5YRS.	1
ONLY BEEN HERE TWO YEARS	1
ONLY BEENFISHING FOR ONE YEAR	1
ONLY CATCH FISH NEAR ST. JEROME'S CREEK OYSTER HATCHERY NOWHERE ELSE	1
ONLY ONE YER OF FISHING IN MARYLAND!	1
OPEN WATER DUMPING ABOVE POOLES ISLAND AND DREDGING AT HANDY'S BAR HAS RUINED FISHING	1
OVER FISHING, TOO MANY PEOPLE NOT ENOUGH FISH	1
OVERALL QUALITY OF FISHING IS VERY GOOD	1
PAUTUXENT RIVER HAS IMPROVED FOR TROUT	1
PCB,DIOXIN, ETC. IS A MAJOR CONCERN	1
PERCH FISHING DECLINING	1
PLEASED TO SEE THE POTOMAC SMALLMOUTH BASS FISHERY DOING BETTER	1
POLLUTION ICREASING, COMMERCIAL HARVESTING OVERWHELMING FISH POPULATIONS	1
POTOMIC SMALLMOUTH BASS FISHING THE BEST! TERRIFIC IMPROVEMENTS IN QUALITY OF TROUT	1
QUALITY AND NUMBER OFTROUT HAS INCREASED	1
QUALITY HAS IMPROVED BUT INCREASED FISHING PRESSURE MAY NEGATE IMPROVEMENTS	1
QUALITY HAS IMPROVED BUT MORE CROWDED	1
QUALITY OF FISHING HAS DECLINED IN AREA I FISH DUE TO DEVELOPMENT	1

REC. FLOUNDER SIZE IS 17" AND COMMERCIAL IS 14". WHAT SENSE DOES THAT MAKE?	1
RECREATIONAL FISHERMAN TAKE A BACK SEAT TO COMMERCIAL FISHERMAN	1
RECREATIONAL FLOUNDER REGS. ARE A BAD JOKE! EVERYONE KNOWS THE COMMERCIAL FISHERMAN ARE MAIN CAUSE FOR DEPLETION OF STOCKS	1
REDUCED FLOWS ON GUNPOWDER RIVER	1
REMOVE DAMS	1
RESTRICTIONS ON SOME TIDAL SPECIES SHOULD BE LIFTED, HOWEVER, CRAB HARVES IS DIMINISHING AND SHOUD BE CONSIDERED.	1
ROCKFISH ARE ALREADY BEING NEGATIVELY IMPACTED BY COMMERCIAL WATERMAN	1
SALTWATER HAS IMPROVED	1
SAV GROWTH DECLINE IN THE POTAMAC	1
STRIPED BASS AND CROAKER INCREASE IS A REAL PLEASURE WISH CRABS AND SHAD COULD DO THE SAME	1
STRIPED BASS AND SHAD IMPROVED, FLOUNDER DECLINED	1
STRIPED BASS AND WHITE PERCH FISHERIES NORTH OF BAY BRIDGE HAVE DECLINED NO ENVIRONMENTAL WORK SEEMS TO TAKE PLACE NORTH OF BRIDGE	1
STRIPED BASS FISHING HAS IMPROVED BUT THAT'S ALL!	1
STRIPED BASS IMPROVED LARGE CRAPPIE DECLINED	1
STRIPED BASS IMPROVED Y PERCH AND WHITE PERCH DECLINED	1
STRIPED BASS ON THE RETURN	1
STRIPED BASS POPULATIONS HAVE IMPROVED	1
STRIPED BASS SMALLER ENJOY CROAKERCOMEBACK	1
STRIPED BASS, CROAKER, IMPROVED. FLOUNDER,SPOT, BLUEFISH DECLINED. CRABS DRASTICALLY DECLINED!	1
SEEM TO BE MORE STRIPED BASS, BLUEFISH ANDSEA TROUT IN SURF	1
SHAD FISHING HAS BEEN GREAT SO IS TROUT FISHING ON PATAPSCO	1
SHAD,CROAKER,TROUT IMPROVED STRIPED BASS UNCHANGED	1
SIZE AND NUMBERS OF STRIPED BASS HAVE DECLINED	1
SIZE&CREEL LIMITSSEEM TO WORK	1
SMALLMOUTH BASS FISHING IN POTOMAC BETTER	1
SMALLMOUTH BASS POPULATIONS ON POTOMAC BETWEEN WHITES FERRY AND CABIN JOHN BRIDGE HAVE DECLINED IN SIZE AND NUMBERS AND RIVER IS RUNNING DIRTY	1
SOME TROUT STREAMS DON'T HAVE NATURAL TROUT THEY USED TO	1
STILL FINDING NEW ANGLING OPPORTUNITIES IN MD.	1
THANKS TO RESTRICTIONS ON NETTING IN BAY	1
THE RISE & FALL IN POPULATION OF CERTAIN SPECIES.	1
THE WATERWAYS ARE A SEWER, OTHER BOATERS HAVE NO RESPECT STATE BLIND TO REAL FISHERIES MANAGEMENT PROBLEMS	1
TIDAL LARGEMOUTH BASS AND SMALLMOUTH BASS FISHING GREATLY IMPROVED	1
TIRED OF LACK OF KEEPER SIZED FISH IN FALL	1
TOO MANY BASS TOURNAMENTS EVERY WEEKEND	1
TOO MANY CRAB POTS IN FISHING AREA	1
TOO MANY LARGEMOUTH BASS TOURNAMENTS	1
TOO MANY NEW SIZE, AREA AND CREEL LIMIT RESTRICTIONS	1
TOO MANY OUT OF STATE CRABERS, RESURGENCE OF CROAKER ANDFLOUNDER WELCOME	1
TOO MANYNETTERS	1
TOO MUCH DEVELOPMENT NEAR SEVERN RIVER	1

TROUT ARE BECOMING SMALLER ON GUNPOWDER ABOVE BRIDGE	1
TROUT FISHING DECLINED, TIDAL FISHING IMPROVED	1
TROUT STOCKED ARE OF HIGH QUALITY, SPECIAL REGS. ON POTOMAC SMALLMOUTH BASS FISHERY GREAT!	1
UPPER POTOMAC NEEDS MUSKIES STOCKED TO ENHANCE REPRODUCTION. WALLEYE POPULATION NEEDS MONITORING, PROBLEM WITH SPAWNING IN SPRING.	1
VERY CONCERNED ABOUT BLUE CRAB POPULATION IN BAY AND OVERFISHING	1
WHITE PERCH AND CRABS HARD TO FIND	1
WANT TO KNOW WHY SOME RESIVOIRES ARE STOCKED OTHERS NOT	1
WATER LEVELS LOW	1
WHERE ARE THE BLUEFISH?	1
WHY WAS THE MAGOTHY RIVER ALLOWED TO GET SO BAD	1
WILD TROUT FISHERY HAS DECLINED	1
WRECK FISHING HAS IMPROVED WITH ADDITIONAL ARTIFICAL REEFS	1

❖ **How satisfied are you with: The number of fish caught**

NUMBER\_OF\_

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	299	23.8	24.0	24.0
2	299	23.8	24.0	48.0
3	446	35.5	35.8	83.8
4	152	12.1	12.2	96.0
5	50	4.0	4.0	100.0
Total	1246	99.3	100.0	
Missing System	9	.7		
Total	1255	100.0		

❖ **How satisfied are you with: The type of fish caught**

TYPE\_OF\_FI

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid 1	320	25.5	25.9	25.9
2	369	29.4	29.8	55.7
3	377	30.0	30.5	86.2
4	133	10.6	10.8	96.9
5	38	3.0	3.1	100.0
Total	1237	98.6	100.0	
Missing System	18	1.4		
Total	1255	100.0		

❖ **How satisfied are you with: Time spent with family/friends**

**FRIENDS/FA**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	537	42.8	44.1	44.1
	2	282	22.5	23.2	67.2
	3	233	18.6	19.1	86.4
	4	97	7.7	8.0	94.3
	5	69	5.5	5.7	100.0
	Total	1218	97.1	100.0	
Missing	System	37	2.9		
Total		1255	100.0		

❖ **How satisfied are you with: Size of fish caught**

**SIZE\_OF\_FI**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	230	18.3	18.5	18.5
	2	341	27.2	27.5	46.0
	3	454	36.2	36.6	82.6
	4	181	14.4	14.6	97.2
	5	35	2.8	2.8	100.0
	Total	1241	98.9	100.0	
Missing	System	14	1.1		
Total		1255	100.0		

❖ **How satisfied are you with: Fish health**

**FISH\_HEALT**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	300	23.9	24.2	24.2
	2	382	30.4	30.8	55.0
	3	364	29.0	29.3	84.3
	4	149	11.9	12.0	96.3
	5	46	3.7	3.7	100.0
	Total	1241	98.9	100.0	
Missing	System	14	1.1		
Total		1255	100.0		

❖ **How satisfied are you with: Outdoor, natural experience**

**OUTDOOR/NA**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	616	49.1	50.0	50.0
	2	327	26.1	26.5	76.5
	3	120	9.6	9.7	86.2
	4	79	6.3	6.4	92.6
	5	91	7.3	7.4	100.0
	Total	1233	98.2	100.0	
Missing	System	22	1.8		
Total		1255	100.0		

❖ **How satisfied are you with: Access and availability**

**ACCESS/AVA**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	382	30.4	31.0	31.0
	2	352	28.0	28.6	59.6
	3	292	23.3	23.7	83.3
	4	131	10.4	10.6	93.9
	5	75	6.0	6.1	100.0
	Total	1232	98.2	100.0	
Missing	System	23	1.8		
Total		1255	100.0		

❖ **How satisfied are you with: Overall quality of fishing experience**

**OVERALL\_QU**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	1	400	31.9	32.3	32.3
	2	430	34.3	34.7	67.0
	3	248	19.8	20.0	87.0
	4	102	8.1	8.2	95.2
	5	59	4.7	4.8	100.0
	Total	1239	98.7	100.0	
Missing	System	16	1.3		
Total		1255	100.0		

❖ **What is your opinion regarding the level of complexity of MD's fishing regulations?**

**COMPLEXITY**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	EASY	1003	79.9	80.1	80.1
	HARD	249	19.8	19.9	100.0
	Total	1252	99.8	100.0	
Missing	System	3	.2		
Total		1255	100.0		

❖ **I believe circle hooks are effective at reducing mortality in caught and released fish...**

**HOOKS\_EFFE**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	STRONGLY AGREE	332	26.5	26.6	26.6
	AGREE	394	31.4	31.6	58.2
	NOT SURE	472	37.6	37.9	96.1
	DISAGREE	37	2.9	3.0	99.0
	STRONGLY DISAGREE	12	1.0	1.0	100.0
	Total	1247	99.4	100.0	
Missing	System	8	.6		
Total		1255	100.0		

❖ **I would use circle hooks in fishing...**

**USE\_HOOKS**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	ALWAYS	192	15.3	15.8	15.8
	OCCASIONALLY	864	68.8	71.3	87.1
	NEVER	156	12.4	12.9	100.0
	Total	1212	96.6	100.0	
Missing	System	43	3.4		
Total		1255	100.0		



**❖ I believe Fisheries Service understands and is responsive to the recreational anglers' concerns in comparison with other users when making regulatory decisions**

**FS\_UNDERST**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid STRONGLY AGREE	127	10.1	10.3	10.3
AGREE	490	39.0	39.6	49.9
UNDECIDED	382	30.4	30.9	80.8
DISAGREE	178	14.2	14.4	95.2
STRONGLY DISAGREE	59	4.7	4.8	100.0
Total	1236	98.5	100.0	
Missing System	19	1.5		
Total	1255	100.0		

**❖ I believe Fisheries Service understands and is responsive to the recreational anglers' concerns in comparison with other users when making regulatory decisions – volunteered responses**

COMMENTS	FREQUENCY
	0
BIASED IN FAVOR OF COMMERCIAL FISHERMAN, RAISE SIZE OF WHITE PERCH TO 9" AND CLOSE Y PERCH TO COMMERCIAL FISHING	1
COMMERCIAL FISHERIES RECEIVE MORE LEEWAY THAN RECREATIONAL INTERESTS IN REGARDS TO ENFORCEMENT AND CREEL LIMITS	1
COMMERCIAL FISHING INTERESTS SEEM TO HAVE THE LAST WORD ON REGULATIONS	1
POLITICS PLAYS TOO LARGE A ROLE IN MAKING MANAGEMENT DECISIONS INVOLVING COMMERCIAL FISHERMAN	1
TOURNAMENT FISHERMAN AT DUNDEE ON THE GUNPOWDER CAN'T PARK	1
" IT'S ALL ABOUT MONEY!"	1
AGAINST 15 CREEL LIMIT ON CRAPPIE AND SUNFISH, IT SHOULD BE 25 OR MORE	1
ALLOW LONGER SEINE NETS TO CATCH MINNOWS	1
ANY FISHERIES COMMERCIALY VALUABLE IS SEVERLY DEPLETED, CRAB POTS SO THICK IN SOME AREAS YOU CAN'T GET THROUGH WITH A BOAT OR FISH	1
APPRECIATE FISHERIES WORK AND PUBLIC MEETINGS BEFORE RULE CHANGES	1
BALT.CITY AGAINST FISHING IN RESIVOIRS	1
BE FAIRER TO RECREATIONAL FISHERIES	1
BETTER REGULATION OF COMMERCIAL FISHING, MAKE STRIPED BASS A GAME FISH	1
BIG NETS CATCH MORE FISH THAN ALL LITTLE HOOKS COMBINED	1
CATCH AND RELEASE FISHERMAN SHOULD BE ABLE TO FISH WHEN AND WHERE THEY WANT	1
CATER TO COMMERCIAL FISHERMAN WHO GENERATE LESS REVENUE FOR STATE THAN RECREATIONAL	1
CERTAIN BIAS TOWARDS COMMERCIAL ON FEDERAL LEVEL, I BELIEVE MD WORKS HARD TO SUPPORT RECREATIONAL INTERESTS	1
CHARTER BOAT CAPTAINS HAVE TOO MUCH CONTROL	1
COMMERCIAL NETTERS PILLAGE FISH STOCKS WHILE RECREATIONAL ANGLERS ARE GREATLY RESTRICTED	1
COMMERCIAL INTERESTS SHOULD NOT BE MORE IMPORTANT THAN RECREATIONAL CRABBING INTERESTS	1
COMMERCIAL AND CHARTER GET TOO MUCH	1

COMMERCIAL CRABBERS HAVE TOO MANY POTS IN BAY	1
COMMERCIAL FISHERIES ESPECIALLY CRABBERS NEED TIGHTER RESTRICTIONS, TOO MANY CRAB POTS!	1
COMMERCIAL FISHERIES HAS MORE INFLUENCE THAN IS MERITED BY ECONOMIC IMPACT VS RECREATIONAL ANGLERS	1
COMMERCIAL FISHERIES SEEMS TO GET THE MAJORITY OF CONCESSIONS WHEN A CHANGE IS NEEDED	1
COMMERCIAL FISHERMAN GET TOO MUCH OF THE QUOTA	1
COMMERCIAL FISHERMAN ARE HEARD, RECREATIONAL ARE NOT	1
COMMERCIAL FISHERMAN FAVORED OVER RECREATIONAL FISHERMAN	1
COMMERCIAL FISHERMAN GET PREFERENCE	1
COMMERCIAL FISHERMAN GET TOO MUCH FAVORITISM	1
COMMERCIAL FISHERMAN GET TOO MUCH OF THE RESOURCE	1
COMMERCIAL FISHERMAN GET TOO MUCH, RECREATIONAL FISHERMAN SHORT CHANGED OVER & OVER	1
COMMERCIAL FISHERMAN HAVE TOO MUCH INFLUENCE	2
COMMERCIAL FISHERMANS LOBBY INFLUENCES MANAGEMENT DECISIONS TOO MUCH, RECREATIONAL FISHERMAN ALWAYS COME UP SHORT	1
COMMERCIAL FISHING IN BAY OUT OF CONTROL	1
COMMERCIAL FISHING NEEDS TO BE GREATLY REDUCED	1
COMMERCIAL FISHING TAKING ALL THE BAITFISH	1
COMMERCIAL FISHING/NETTING NEEDS TIGHTER RESTRICTIONS THAN RECREATIONAL FISHERMAN. WE NEED MORE ORGANIZED LOBBY.	1
COMMERCIAL GUYS ARE ALWAYS ON THE TOP OF THE LIST	1
COMMERCIAL INTERESTS ARE GIVEN PREFERENCE TO RESOURCE THAT BELONGS TO EVERYONE, I'M MAD AS HELL!	1
COMMERCIAL INTERESTS COME FIRST	1
COMMERCIAL INTERESTS GET TOO MUCH, CROAKER AT \$.06/LB IS A SIN	1
COMMERCIAL INTERESTS OVERPOWER REGULATIONS, TEACH CHILDREN WHEN YOUNG	1
COMMERCIAL INTERESTS PREVAIL SPORTFISHERMAN LOSE	1
COMMERCIAL LAW ENFORCEMENT VERY POOR	1
COMMERCIAL LOBBY HAS TOO MUCH INFLUENCE AND ARE DESTROYING FISHERIES RESOURCES IN THE BAY	1
COMMERCIAL NETTERS HAVE TOO MUCH TO SAY, CONSIDERING THEIR SMALL NUMBERS, COMPARED TO THE SPORTFISHING GROUP	1
COMMERCIAL WATERMAN GIVEN TOO MUCH PREFERENCE	1
COMMERCIAL WATERMEN HAVE NO LIMIT FOR CATCHING CERTAIN SPECIES.	1
COMMERCIAL WATERMAN HAVE TOO MUCH INFLUENCE WE DO NOT OWE THEM THE RIGHT TO MAKE A LIVING	1
CRAB LICENSING IS FEEL GOOD LEGISLATION. MUST LIMIT COMMERCIAL FISHING.	1
CUT BACK ON COMMERCIAL HARVESTS, ENFORCE LAWS	1
DANGEROUS WATER RELEASES ON YOUGHIOGHENY	2
DECEMBER STRIPED BASS SEASON NEEDED	1
DECISIONS BASED ON WATERMANS DESIRES TO OVERFISH, ORIENTALS KEEP TAKING UNDERSIZED FISH AND CRABS	1
DECISIONS SEEM TO BE BASED ON POLITICAL REASONS AND NOT SCIENCE ALWAYS LEAN TOWARDS COMMERCIAL INTERESTS	1
DESPITE RECREATIONAL ANGLER INPUT COMMERCIAL INTERESTS GET A HIGHER PRIORITY	1
DISAGREE WITH COMMERCIAL FISHING DECISIONS	1
DON'T HAVE ANY INFO.	1
DON'T KNOW WHAT THIS MEANS?	1
DON'T THINK THEY LISTEN TO FRESHWATER ANGLERS	1
EMPHASIZES COMMERCIAL INTERESTS OVER RECREATIONAL, ESPECIALLY IN REGARD TO CRABBING	1

EVERY YEAR IT'S THE SAME OLD STORY	1
FAVORTISM TOWARDS COMMERCIAL FISHERMAN	1
FISHERIES BIOLOGISTS REPORTS IGNORED, POLITICS AND MONEY MAKE DECISIONS	1
FISHERIES BIOLOGISTS YES, BUREAUCRATS /ADVISORY BOARDS NO!	1
FISHERIES FAVORS COMMERCIAL INTERESTS	1
FISHERIES FAVORS COMMERCIAL VALUES TOO MUCH	1
FISHERIES IGNORES RECREATIONAL FISHERMAN AND LET'S COMMERCIAL FISHERMAN CATCH THE BULK OF THE FISH	1
FISHERIES IS AND SHOULD BE, RESPONSIVE TO COMMERCIAL INTERESTS	1
FISHERIES IS CLUELESS!	1
FISHERIES IS CONTROLLED BY POLITICIANS NOT SCIENCE. I KNOW I WORKED FOR DNR FOR 20 YEARS.	1
FISHERIES LEANS TOO MUCH TOWARDS COMMERCIAL INTERESTS	1
FISHERIES RESPONDS MORE TO COMMERCIAL FISHERMAN	1
FISHERIES SEEMS MORE INTERESTED IN COMMERCIAL INTERESTS THAN RECREATIONAL	1
FISHERIES SERVICE CATERS TO COMMERCIAL INTERESTS	1
FISHERIES TOO INFLUENCED BY COMMERCIAL LOBBIES	1
FLOUNDER SIZE, COMMERCIAL INTEREST FAVORITISM- CRAB/ROCK FISH SEASON	1
FRESHWATER I AGREE, SALTWATER NO, COMMERCIAL FISHERMAN ARE RAPEING THE BAY OF EVERYTHING	1
GOVERNOR AND HIS GIRLFRIEND ARE A MAJOR PROBLEM	1
GOV'T OFFICES & COMMERCIAL LOBBYIST SET REGULATIONS IN BAY, NOT BIOLOGISTS OR DNR.	1
HOW ABOUT A WEEKLY T. V. SHOW, APRIL-OCTOBER	1
I WOULD HOPE THEY KNOW WHAT TO DO WITH THEIR SURROUNDING WATERS.	1
I HAVE A LOT OF COMPLAINTS ABOUT HOW COMMERCIAL ROCKFISH SEASON IS HANDLED	1
I QUESTION ACCURACY OF SURVEYS	1
I THINK FISHERIES SERVICE IS AMBIVALENT	1
I THINK FISHERIES SERVICE WANTS TO MAKE MD A TOP FISHING STATE.	1
I WOULD LIKE TO KNOW WHY CARROLLCREEK WAS DESIGNATED 'YOUTH&BLIND'ONLY	1
LAWS ARE NOT ENFORCED	1
LEAVE CROAKER LIMIT AT 25	1
LESS P&T STOCKING OF SMALL TROUT, NEED MORE \$ ON TROPHY TROUT PROGRAMS	1
LIVE IN VA. LITTLE KNOWLEDGE OF MD. FISHERIES	1
LOCAL LAKES NEED MORE AUTHORITY TO ENSURE SURVIVAL OF GAME FISH	1
LOVE WEBSITE, AND WELCOME ANGEL	1
MAKE STRIPED BASS A GAMEFISH	1
MARYLAND ALLOWS TOO MUCH COMMERCIAL FISHING	1
MIDNIGHT TIME LIMIT FOR ROCKFISH IS RIDICULOUS	1
MONEY TALKS IN ANNAPOLIS, VERY OBVIOUS	1
MORE CONSERVATION OF STRIPED BASS IS NEEDED	1
MORE RECREATIONAL FISHERMAN THAN COMMERCIAL YET RECREATIONAL GET SHORT END OF STICK	1
NEED MORE ACCESS IN SOME AREAS	1
NEED MORE BOAT RAMPS IN A.A. CO.	1
NEED MORE ENFORCEMENT AND STIFFER PENALTIES	1
NEED TO FOCUS ON RECREATIONAL MORE THAN COMMERCIAL WHEN DIVIDING UP BAYS ASSETS	1
NEED TO HAVE STRONGER REGULATIONS TO TAKE PRESSURE OFF BAITFISH FROM COMMERCIAL FISHING	1

NEED TO REDUCE POUNDAGE OF STRIPED BASS TAKEN BY NETS	1
NEED TO SOLICIT INFORMATION FROM PEOPLE WHO FISH.	1
NEED TOUGHER ENFORCEMENT,	1
NOT BEEN INVOLVED LONG ENOUGH TO MAKE JUDGEMENT!	1
NRP OFFICERS HAVE NO KNOWLEDGE OF FISH OR HABITAT-CLUELESS	1
OVERFISHING OF MENHADEN AT MOUTH OF THE BAY	1
POLITICS RULES OVER WHAT IS BEST FOR FISHERIES	1
PROPOSED REC. CRABBING REGULATIONS ARE A BAD JOKE! WHEN WILL NUMBER OF COMMERCIAL POTS BE LIMITED?	1
QUOTAS SHOULD BE MORE STATEWIDE THAN EAST COAST WIDE	1
RECREATIONAL FISHERMAN PAY THE BILLS, BUT SEEM TORANK LAST TO COMMERCIAL LOBBY	1
REGULATIONS TOO COMPLEX AND RESTRICTIVE FOR RECREATIONAL FISHERMAN	1
SOMETIMES IT SEEMS RECREATIONAL ANGLER GETS THE MOST REGULATIONS, BUT OVERALL IT WORKS OUT.	1
STOCK LARGER TROUT, NO BAIT, BARBLESS HOOKS, NO TAKE	1
STOP VIRGINIA FROM OVERFISHING MENHADEN	1
TEND NOT TO SERVE INTERESTS OF RECREATIONAL FISHERMAN	1
THEY ARE ONLY INTERESTED IN COMMERCIAL FISHING	1
THEY SUPPORT COMMERCIAL FISHERIES MORE THAN RECREATIONAL FISHERMAN	1
THEY TRY TO MAKE THINGS AS CONFUSINGAS POSSIBLE	1
THINK LONG TERM WHATS BEST FOR FISH AND HABITAT	1
THIS SURVEY IS A GOOD IDEA	1
TOO LIBERAL WITH COMMERCIAL HOOK&LINE SIZE AND CREEL LIMIT	1
TOO MANY COMMERCIAL INTERESTS, CRABS IN TROUBLE, STOP EXPORTING SOFT CRABS.	1
TOO MANY UNANSWERED QESTIONS ABOUT ANGLER MORTALITY	1
TOO MUCH EMPHASIS TOWARDS COMMERCIAL NETTING	1
TOO MUCH INTEREST TOWARDS COMMERCIAL FISHING	1
TOO MUCH NETTING	1
TOO POLITCAL FOR ME!	1
TOO STONGLEY ATTENTIVE TOWARDS COMMERCIAL WATERMAN	1
UNDERSTAND DIFFICULTYOF MANAGING RESOURCE YOU HAVEDONE AN INCREASINGLY BETTER JOB LATELY	1
UPSET THAT POLITICS DECIDES REGULATIONS NOT SCIENCE	1
USUALLY PUT THE COMMERCIAL INTERESTS FIRST	1
VERY DIFFICULT TO KEEP FOLKS HAPPY AND STILL MEET DNR GOALS AND AGENDA	1
VERY HAPPY WITH BACHMAN THROUGH CURRENT STAFF,LIKE WEBSITE ALSO.	1
WE DON'T OWE A LIVING TO COMMERCIAL FISHERMAN,	1
WHY THE RECENT FIRINGS?	1

❖ **Most important Fisheries activities # 1 most important**

#1\_TOP\_5\_A

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	62	4.9	4.9	4.9
	CHILDREN	185	14.7	14.7	19.7
	REGULATION	240	19.1	19.1	38.8
	HABITAT	494	39.4	39.4	78.2
	OPPORTUNITIES	16	1.3	1.3	79.4
	ACCESS	58	4.6	4.6	84.1
	INFORMATION	49	3.9	3.9	88.0
	MONITORING	119	9.5	9.5	97.5
	PT STOCKING	32	2.5	2.5	100.0
	Total	1255	100.0	100.0	

❖ **Most important Fisheries activities # 2 most important**

#2\_TOP\_5\_A

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	106	8.4	8.4	8.4
	CHILDREN	147	11.7	11.7	20.2
	REGULATION	249	19.8	19.8	40.0
	HABITAT	290	23.1	23.1	63.1
	OPPORTUNITIES	37	2.9	2.9	66.1
	ACCESS	115	9.2	9.2	75.2
	INFORMATION	74	5.9	5.9	81.1
	MONITORING	199	15.9	15.9	97.0
	PT STOCKING	38	3.0	3.0	100.0
	Total	1255	100.0	100.0	

❖ **Most important Fisheries activities # 3 most important**

#3\_TOP\_5\_A

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	130	10.4	10.4	10.4
	CHILDREN	146	11.6	11.6	22.0
	REGULATION	206	16.4	16.4	38.4
	HABITAT	185	14.7	14.7	53.1
	OPPORTUNITIES	37	2.9	2.9	56.1
	ACCESS	151	12.0	12.0	68.1
	INFORMATION	120	9.6	9.6	77.7
	MONITORING	209	16.7	16.7	94.3
	PT STOCKING	71	5.7	5.7	100.0
	Total	1255	100.0	100.0	

❖ **Most important Fisheries activities # 4 most important**

#4\_TOP\_5\_A

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	173	13.8	13.8	13.8
	CHILDREN	172	13.7	13.7	27.5
	REGULATION	125	10.0	10.0	37.5
	HABITAT	84	6.7	6.7	44.1
	OPPORTUNITIES	49	3.9	3.9	48.0
	ACCESS	202	16.1	16.1	64.1
	INFORMATION	172	13.7	13.7	77.8
	MONITORING	204	16.3	16.3	94.1
	PT STOCKING	74	5.9	5.9	100.0
	Total	1255	100.0	100.0	

❖ **Most important Fisheries activities # 5 most important**

#5\_TOP\_5\_A

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	236	18.8	18.8	18.8
	CHILDREN	157	12.5	12.5	31.3
	REGULATION	136	10.8	10.8	42.2
	HABITAT	77	6.1	6.1	48.3
	OPPORTUNITIES	50	4.0	4.0	52.3
	ACCESS	149	11.9	11.9	64.1
	INFORMATION	210	16.7	16.7	80.9
	MONITORING	147	11.7	11.7	92.6
	PT STOCKING	93	7.4	7.4	100.0
	Total	1255	100.0	100.0	

❖ Where do you prefer to hear about Fisheries' activities and information? #1 preference

#1\_TOP\_3\_H

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	RADIO	77	6.1	6.3	6.3
	MAGAZINES	147	11.7	11.9	18.2
	NEWSPAPERS	325	25.9	26.4	44.6
	WEBSITE	389	31.0	31.6	76.2
	BROCHURES	47	3.7	3.8	80.0
	CONTACTS	24	1.9	1.9	82.0
	SHOWS	58	4.6	4.7	86.7
	CLUB	93	7.4	7.6	94.2
	SIGNS	46	3.7	3.7	98.0
	FRIENDS	9	.7	.7	98.7
	SHOPS	10	.8	.8	99.5
	OTHER	6	.5	.5	100.0
	Total	1231	98.1	100.0	
Missing	System	24	1.9		
Total		1255	100.0		

❖ Where do you prefer to hear about Fisheries' activities and information? #2 preference

#2\_TOP\_3\_H

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	RADIO	74	5.9	6.1	6.1
	MAGAZINES	166	13.2	13.8	19.9
	NEWSPAPERS	288	22.9	23.9	43.9
	WEBSITE	173	13.8	14.4	58.2
	BROCHURES	132	10.5	11.0	69.2
	CONTACTS	58	4.6	4.8	74.0
	SHOWS	153	12.2	12.7	86.7
	CLUB	66	5.3	5.5	92.2
	SIGNS	78	6.2	6.5	98.7
	FRIENDS	4	.3	.3	99.0
	SHOPS	7	.6	.6	99.6
	OTHER	5	.4	.4	100.0
	Total	1204	95.9	100.0	
Missing	System	51	4.1		
Total		1255	100.0		

❖ **Where do you prefer to hear about Fisheries' activities and information? #3 preference**

#3\_TOP\_3\_H

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	RADIO	83	6.6	7.0	7.0
	MAGAZINES	132	10.5	11.2	18.2
	NEWSPAPERS	151	12.0	12.8	31.0
	WEBSITE	123	9.8	10.4	41.4
	BROCHURES	151	12.0	12.8	54.2
	CONTACTS	85	6.8	7.2	61.4
	SHOWS	188	15.0	15.9	77.4
	CLUB	90	7.2	7.6	85.0
	SIGNS	155	12.4	13.1	98.1
	FRIENDS	9	.7	.8	98.9
	SHOPS	8	.6	.7	99.6
	OTHER	5	.4	.4	100.0
	Total	1180	94.0	100.0	
Missing	System	75	6.0		
Total		1255	100.0		

❖ **How would you rate the MD DNR Fisheries Service in providing public information on Maryland's fisheries and regulations?**

PUBLIC\_INF

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	EXCELLENT	167	13.3	13.5	13.5
	VERY GOOD	412	32.8	33.2	46.7
	GOOD	541	43.1	43.6	90.3
	POOR	108	8.6	8.7	99.0
	VERY POOR	12	1.0	1.0	100.0
	Total	1240	98.8	100.0	
Missing	System	15	1.2		
Total		1255	100.0		



❖ **How would you rate the overall performance of the MD DNR Fisheries Service?**

**OVERALLPEF**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	EXCELLENT	163	13.0	13.2	13.2
	VERY GOOD	459	36.6	37.1	50.3
	GOOD	534	42.5	43.2	93.5
	POOR	71	5.7	5.7	99.2
	VERY POOR	10	.8	.8	100.0
	Total	1237	98.6	100.0	
Missing	System	18	1.4		
Total		1255	100.0		

❖ **Did you know there is a Sport Fish Advisory Commission?**

**SPORT\_FISH**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	TRUE	480	38.2	38.2	38.2
	FALSE	775	61.8	61.8	100.0
Total		1255	100.0	100.0	

## ❖ Where do you live? Zip Code

ZIP CODE	FREQUENCY	PERCENT
21122	69	5.58%
21061	37	2.99%
21666	28	2.26%
21146	26	2.10%
21045	21	1.70%
21060	20	1.62%
21220	17	1.37%
21401	17	1.37%
21228	17	1.37%
21234	16	1.29%
21227	16	1.29%
21236	15	1.21%
21012	14	1.13%
21157	13	1.05%
21136	13	1.05%
21144	13	1.05%
21237	13	1.05%
21222	12	0.97%
21221	12	0.97%
21811	12	0.97%
21601	11	0.89%
21225	10	0.81%
21093	10	0.81%
21075	10	0.81%
21043	10	0.81%
21042	10	0.81%
21771	9	0.73%
21037	9	0.73%
21403	9	0.73%
21784	9	0.73%
20878	9	0.73%
21114	9	0.73%
21090	8	0.65%
21229	8	0.65%
20723	8	0.65%
21044	8	0.65%
21054	7	0.57%
21032	7	0.57%
21702	7	0.57%
20794	7	0.57%
21030	7	0.57%
21046	7	0.57%
21085	7	0.57%
21009	7	0.57%
21286	7	0.57%
21224	6	0.49%

20882	6	0.49%
21074	6	0.49%
21113	6	0.49%
21740	6	0.49%
21212	6	0.49%
20772	6	0.49%
21050	6	0.49%
20639	6	0.49%
21206	6	0.49%
21158	6	0.49%
17331	6	0.49%
21015	5	0.40%
21208	5	0.40%
21014	5	0.40%
20886	5	0.40%
20855	5	0.40%
20657	5	0.40%
21117	5	0.40%
21219	6	0.49%
20901	5	0.40%
21620	5	0.40%
21163	5	0.40%
20832	5	0.40%
20872	5	0.40%
21663	4	0.32%
21669	4	0.32%
21102	4	0.32%
20874	4	0.32%
20850	4	0.32%
21901	4	0.32%
21842	4	0.32%
21223	4	0.32%
21660	4	0.32%
21795	4	0.32%
17322	4	0.32%
21244	4	0.32%
20724	4	0.32%
20902	4	0.32%
21211	4	0.32%
17404	4	0.32%
21797	4	0.32%
20653	3	0.24%
20603	3	0.24%
20895	3	0.24%
21131	3	0.24%
21226	3	0.24%
21162	3	0.24%
20662	3	0.24%

21108	3	0.24%
21204	3	0.24%
21207	3	0.24%
20876	3	0.24%
20678	3	0.24%
21703	3	0.24%
21921	3	0.24%
21903	3	0.24%
20721	3	0.24%
20715	3	0.24%
21804	3	0.24%
21776	3	0.24%
21770	3	0.24%
20736	3	0.24%
20740	3	0.24%
21738	3	0.24%
21701	3	0.24%
20711	3	0.24%
19805	3	0.24%
17603	3	0.24%
21076	3	0.24%
20705	3	0.24%
20707	3	0.24%
21617	3	0.24%
22003	3	0.24%
21638	3	0.24%
21655	3	0.24%
20906	3	0.24%
20854	2	0.16%
20905	2	0.16%
20814	2	0.16%
20903	2	0.16%
19713	2	0.16%
21029	2	0.16%
21017	2	0.16%
21035	2	0.16%
19711	2	0.16%
21040	2	0.16%
21078	2	0.16%
20877	2	0.16%
20816	2	0.16%
20851	2	0.16%
21057	2	0.16%
20904	2	0.16%
21919	2	0.16%
20748	2	0.16%
21657	2	0.16%
21658	2	0.16%

20785	2	0.16%
20191	2	0.16%
21230	2	0.16%
17552	2	0.16%
17543	2	0.16%
17363	2	0.16%
21793	2	0.16%
21801	2	0.16%
21648	2	0.16%
20720	2	0.16%
21664	2	0.16%
21930	2	0.16%
20716	2	0.16%
17309	2	0.16%
20710	2	0.16%
22192	2	0.16%
20706	2	0.16%
17050	2	0.16%
22303	2	0.16%
20684	2	0.16%
20659	2	0.16%
25401	2	0.16%
8035	2	0.16%
21813	2	0.16%
19020	2	0.16%
20910	2	0.16%
19975	2	0.16%
20782	2	0.16%
20774	2	0.16%
21218	2	0.16%
20871	2	0.16%
21713	2	0.16%
21231	2	0.16%
20171	2	0.16%
19002	2	0.16%
21532	2	0.16%
21613	2	0.16%
20755	2	0.16%
21550	2	0.16%
21619	2	0.16%
20636	1	0.08%
19966	1	0.08%
19963	1	0.08%
20634	1	0.08%
19810	1	0.08%
20190	1	0.08%
20619	1	0.08%
20613	1	0.08%

20015	1	0.08%
20019	1	0.08%
19901	1	0.08%
20602	1	0.08%
19943	1	0.08%
19960	1	0.08%
20165	1	0.08%
19953	1	0.08%
20147	1	0.08%
20105	1	0.08%
20194	1	0.08%
19947	1	0.08%
20216	1	0.08%
20307	1	0.08%
20222	1	0.08%
19934	1	0.08%
20170	1	0.08%
17236	1	0.08%
17536	1	0.08%
17522	1	0.08%
17520	1	0.08%
17403	1	0.08%
17360	1	0.08%
17356	1	0.08%
17345	1	0.08%
17330	1	0.08%
17327	1	0.08%
17325	1	0.08%
17321	1	0.08%
17315	1	0.08%
17314	1	0.08%
19355	1	0.08%
15325	1	0.08%
6478	1	0.08%
6801	1	0.08%
8080	1	0.08%
8201	1	0.08%
8551	1	0.08%
17257	1	0.08%
10910	1	0.08%
17247	1	0.08%
17010	1	0.08%
17026	1	0.08%
17033	1	0.08%
17113	1	0.08%
17201	1	0.08%
17563	1	0.08%
8611	1	0.08%

19607	1	0.08%
17560	1	0.08%
19403	1	0.08%
19426	1	0.08%
19438	1	0.08%
19468	1	0.08%
19363	1	0.08%
19565	1	0.08%
19320	1	0.08%
19701	1	0.08%
19702	1	0.08%
19703	1	0.08%
19717	1	0.08%
19720	1	0.08%
19804	1	0.08%
19533	1	0.08%
19013	1	0.08%
19806	1	0.08%
17582	1	0.08%
17601	1	0.08%
17777	1	0.08%
17980	1	0.08%
19380	1	0.08%
18976	1	0.08%
17562	1	0.08%
19061	1	0.08%
19070	1	0.08%
19078	1	0.08%
19111	1	0.08%
19115	1	0.08%
19118	1	0.08%
18661	1	0.08%
21651	1	0.08%
20940	1	0.08%
21787	1	0.08%
21782	1	0.08%
21778	1	0.08%
21777	1	0.08%
21769	1	0.08%
21764	1	0.08%
21757	1	0.08%
21755	1	0.08%
21754	1	0.08%
21750	1	0.08%
21847	1	0.08%
21677	1	0.08%
21874	1	0.08%
21649	1	0.08%

21647	1	0.08%
21629	1	0.08%
21624	1	0.08%
21615	1	0.08%
21612	1	0.08%
21609	1	0.08%
21555	1	0.08%
21502	1	0.08%
21285	1	0.08%
21239	1	0.08%
21742	1	0.08%
22205	1	0.08%
33917	1	0.08%
27587	1	0.08%
26707	1	0.08%
26537	1	0.08%
25259	1	0.08%
23040	1	0.08%
22664	1	0.08%
22443	1	0.08%
22407	1	0.08%
22314	1	0.08%
22310	1	0.08%
21826	1	0.08%
22213	1	0.08%
21213	1	0.08%
22204	1	0.08%
22202	1	0.08%
22193	1	0.08%
22190	1	0.08%
22180	1	0.08%
22153	1	0.08%
22124	1	0.08%
22032	1	0.08%
22015	1	0.08%
21917	1	0.08%
21911	1	0.08%
22304	1	0.08%
20754	1	0.08%
20848	1	0.08%
20833	1	0.08%
20818	1	0.08%
20817	1	0.08%
20815	1	0.08%
20784	1	0.08%
20783	1	0.08%
20777	1	0.08%
20776	1	0.08%



20770	1	0.08%
20769	1	0.08%
21216	1	0.08%
20759	1	0.08%
20870	1	0.08%
20745	1	0.08%
20744	1	0.08%
20737	1	0.08%
20735	1	0.08%
20733	1	0.08%
20725	1	0.08%
20708	1	0.08%
20695	1	0.08%
20689	1	0.08%
20685	1	0.08%
20680	1	0.08%
20764	1	0.08%
21087	1	0.08%
20650	1	0.08%
21210	1	0.08%
21209	1	0.08%
21155	1	0.08%
21154	1	0.08%
21152	1	0.08%
21140	1	0.08%
21132	1	0.08%
21130	1	0.08%
21123	1	0.08%
21104	1	0.08%
20852	1	0.08%
21094	1	0.08%
20853	1	0.08%
21084	1	0.08%
21051	1	0.08%
21048	1	0.08%
21028	1	0.08%
21025	1	0.08%
21013	1	0.08%
21005	1	0.08%
21001	1	0.08%
20879	1	0.08%
21214	1	0.08%
21101	1	0.08%

❖ Gender

**GENDER**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	MALE	1194	95.1	95.3	95.3
	FEMALE	59	4.7	4.7	100.0
	Total	1253	99.8	100.0	
Missing	System	2	.2		
Total		1255	100.0		

❖ **Race/Ethnicity**

**ETHNIC**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	HISPANIC	5	.4	.4	.4
	NATIVE AM	9	.7	.7	1.2
	WHITE	1143	91.1	94.8	95.9
	ASIAN-AM	8	.6	.7	96.6
	AFRICAN-AM	41	3.3	3.4	100.0
	Total	1206	96.1	100.0	
Missing	System	49	3.9		
Total		1255	100.0		

❖ **Annual household Income**

**INCOME**

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	UNDER \$20K	57	4.5	4.9	4.9
	\$20-39999	158	12.6	13.5	18.4
	\$40-59999	289	23.0	24.7	43.1
	\$60K+	666	53.1	56.9	100.0
	Total	1170	93.2	100.0	
Missing	System	85	6.8		
Total		1255	100.0		

## ❖ What is your age?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	0	29	2.3	2.3	2.3
	7	1	.1	.1	2.4
	10	1	.1	.1	2.5
	12	3	.2	.2	2.7
	13	3	.2	.2	3.0
	15	9	.7	.7	3.7
	16	6	.5	.5	4.1
	17	2	.2	.2	4.3
	18	9	.7	.7	5.0
	19	5	.4	.4	5.4
	20	9	.7	.7	6.1
	21	2	.2	.2	6.3
	22	5	.4	.4	6.7
	23	6	.5	.5	7.2
	24	5	.4	.4	7.6
	25	12	1.0	1.0	8.5
	26	13	1.0	1.0	9.6
	27	18	1.4	1.4	11.0
	28	16	1.3	1.3	12.3
	29	15	1.2	1.2	13.5
	30	9	.7	.7	14.2
	31	20	1.6	1.6	15.8
	32	16	1.3	1.3	17.1
	33	25	2.0	2.0	19.1
	34	21	1.7	1.7	20.7
	35	27	2.2	2.2	22.9
	36	23	1.8	1.8	24.7
	37	27	2.2	2.2	26.9
	38	28	2.2	2.2	29.1
	39	31	2.5	2.5	31.6
	40	40	3.2	3.2	34.8
	41	38	3.0	3.0	37.8
	42	34	2.7	2.7	40.5
	43	37	2.9	3.0	43.5

44	31	2.5	2.5	45.9
45	40	3.2	3.2	49.1
46	23	1.8	1.8	51.0
47	38	3.0	3.0	54.0
48	27	2.2	2.2	56.1
49	25	2.0	2.0	58.1
50	43	3.4	3.4	61.6
51	30	2.4	2.4	64.0
52	39	3.1	3.1	67.1
53	32	2.5	2.6	69.6
54	40	3.2	3.2	72.8
55	27	2.2	2.2	75.0
56	32	2.5	2.6	77.5
57	23	1.8	1.8	79.3
58	30	2.4	2.4	81.7
59	21	1.7	1.7	83.4
60	28	2.2	2.2	85.6
61	20	1.6	1.6	87.2
62	25	2.0	2.0	89.2
63	23	1.8	1.8	91.1
64	19	1.5	1.5	92.6
65	20	1.6	1.6	94.2
66	7	.6	.6	94.7
67	15	1.2	1.2	95.9
68	12	1.0	1.0	96.9
69	5	.4	.4	97.3
70	5	.4	.4	97.7
71	5	.4	.4	98.1
72	2	.2	.2	98.2
73	7	.6	.6	98.8
74	3	.2	.2	99.0
75	4	.3	.3	99.4
76	1	.1	.1	99.4
77	1	.1	.1	99.5
79	3	.2	.2	99.8
80	1	.1	.1	99.8
82	1	.1	.1	99.9
84	1	.1	.1	100.0

	Total	1254	99.9	100.0	
Missing	System	1	.1		
Total		1255	100.0		

### ❖ Do you have Internet access?

#### INTERNET

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	TRUE	1020	81.3	81.3	81.3
	FALSE	235	18.7	18.7	100.0
	Total	1255	100.0	100.0	

### Origins of questionnaire (site where it was obtained, filled out)

#### ORIGIN\_OF\_

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	BBS	24	1.9	1.9	1.9
	BGE	20	1.6	1.6	3.5
	BPS	109	8.7	8.7	12.2
	CCA	41	3.3	3.3	15.5
	DS	38	3.0	3.0	18.5
	I	203	16.2	16.2	34.7
	MSSA	19	1.5	1.5	36.2
	O	564	44.9	44.9	81.1
	PSG	109	8.7	8.7	89.8
	TS	128	10.2	10.2	100.0
	Total	1255	100.0	100.0	

BBS=Baltimore Boat Show

BGE=BGE Anglers Club

BPS=Bass Pro Shops

CCA=Coastal Conservation Association

DS=Dick's Sporting Goods

I=Internet (form downloaded and mailed in)

MSSA = Maryland Saltwater Sportfishermen's Association

O=Outdoor Fishing Show

PSG= Pasadena Sportfishing Group

TS=Tackle stores (general)