RESPONSIVE MANAGEMENT

NEW YORK ANGLER EFFORT AND EXPENDITURES IN 2017

REPORT 1 OF 4

Conducted for the New York State Department of Environmental Conservation, Division of Fish and Wildlife

by Responsive Management

2019

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REPORT 1 OF 4

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EXECUTIVE SUMMARY

To help assess both the biological and human dimensions aspects of managing New York's freshwater fisheries, the New York State Department of Environmental Conservation's (DEC) Bureau of Fisheries (hereinafter referred to as the "Bureau") has contracted surveys of its licensed freshwater anglers approximately every 10 years starting in 1973. This survey was conducted in 2018 and addresses angler effort, expenditures, and attitudes for calendar year 2017 (hereinafter referred to as the "2017 survey").

The 2017 survey was conducted by Responsive Management both online and by mail. The online survey was the primary method for obtaining data, with a mail survey conducted to address any potential biases in the online survey sample. Note that the online survey was a closed survey, meaning only those specifically invited to take it could complete the survey. In addition, a telephone survey of non-responders to the online and mail surveys was conducted to assess any potential biases in the other methods.

The study's results are presented in four reports, with data presented in reports 1 through 3 and the survey and analysis methodology presented in the fourth report.

The survey questionnaire was developed cooperatively by Responsive Management and the Bureau, based in part on the previous mail surveys that the Bureau had conducted. Two questionnaires were developed for the 2017 survey: a paper copy for mail surveying, and an electronic version for online surveying. Responsive Management conducted pre-tests of the questionnaires to ensure proper wording, flow, and logic.

The Bureau provided a database of individuals who had a valid freshwater fishing license any time during the calendar year 2017. Note that the database was used solely for the survey; all personal identifying information was stripped from any data provided to the Bureau. Upon completion of the surveying effort, Responsive Management has not and will not use the database for any other purposes.

From this database, a sample of anglers was drawn. The sampling and contact plan was to attempt to contact those with a valid email address by email and send mail surveys only to those who did not have a valid email address. Both samples (the online and mail samples) were drawn from the license database so that the various license types were proportional to their actual representation in the database and the angler age structure in the sample matched the age structure of the license database.

OVERALL SUMMARY

Freshwater anglers fished an estimated 19.899 million angler days in New York State's inland and Great Lakes waters in 2017, generating nearly $252 million in at-location expenditures (e.g., bait, lodging, groceries, restaurants, guide services). An additional $204 million was expended at home and en route from fishing destinations. Finally, fishing equipment expenditures totaled $1,814 million. When direct, indirect, and induced economic effects of angler spending are taken into consideration, an estimated $2,138 million of economic activity was generated and 10,961 jobs were supported in 2017 in New York. A substantial portion of

this economic activity was attributable to out-of-state anglers ($564 million, which is 26% of the total).

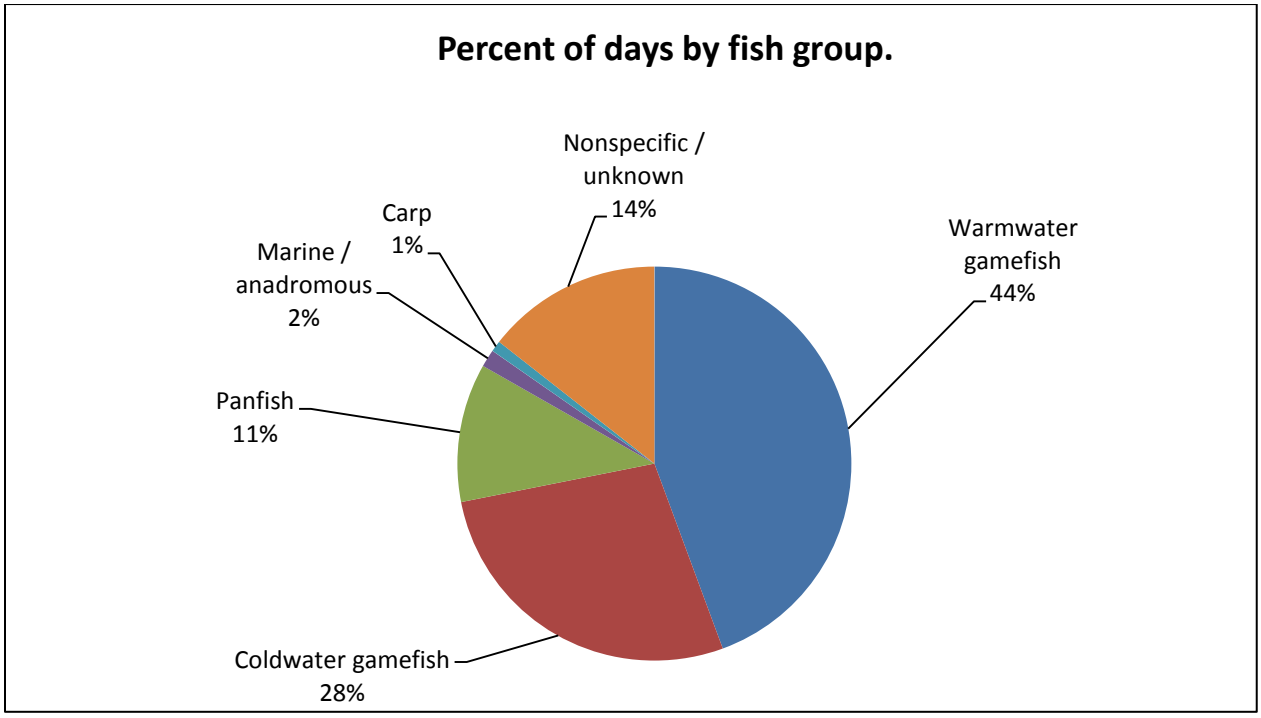
GENERAL ANGLER EFFORT

Anglers fished an estimated 19.899 million days in New York's fresh waters in 2017, including 894 thousand days of ice fishing (4% of the total). The mean number of days fished per angler was 29.04 (median 17 days).

ES Table 1 shows number of days fished in 2017 for major fish groupings, while ES Figure 1 shows the percentages of days fished by fish species groupings.

ES Table 1. Estimated Number of Angler Days, by Species Group

Species Group	Estimated Days	Confidence Interval
Warmwater gamefish	8,787,520	163,123
Coldwater gamefish	5,448,281	111,698
Panfish	2,255,530	81,747
Marine / anadromous	286,059	29,937
Carp	176,119	30,332
Nonspecific / unknown	2,857,662	81,939

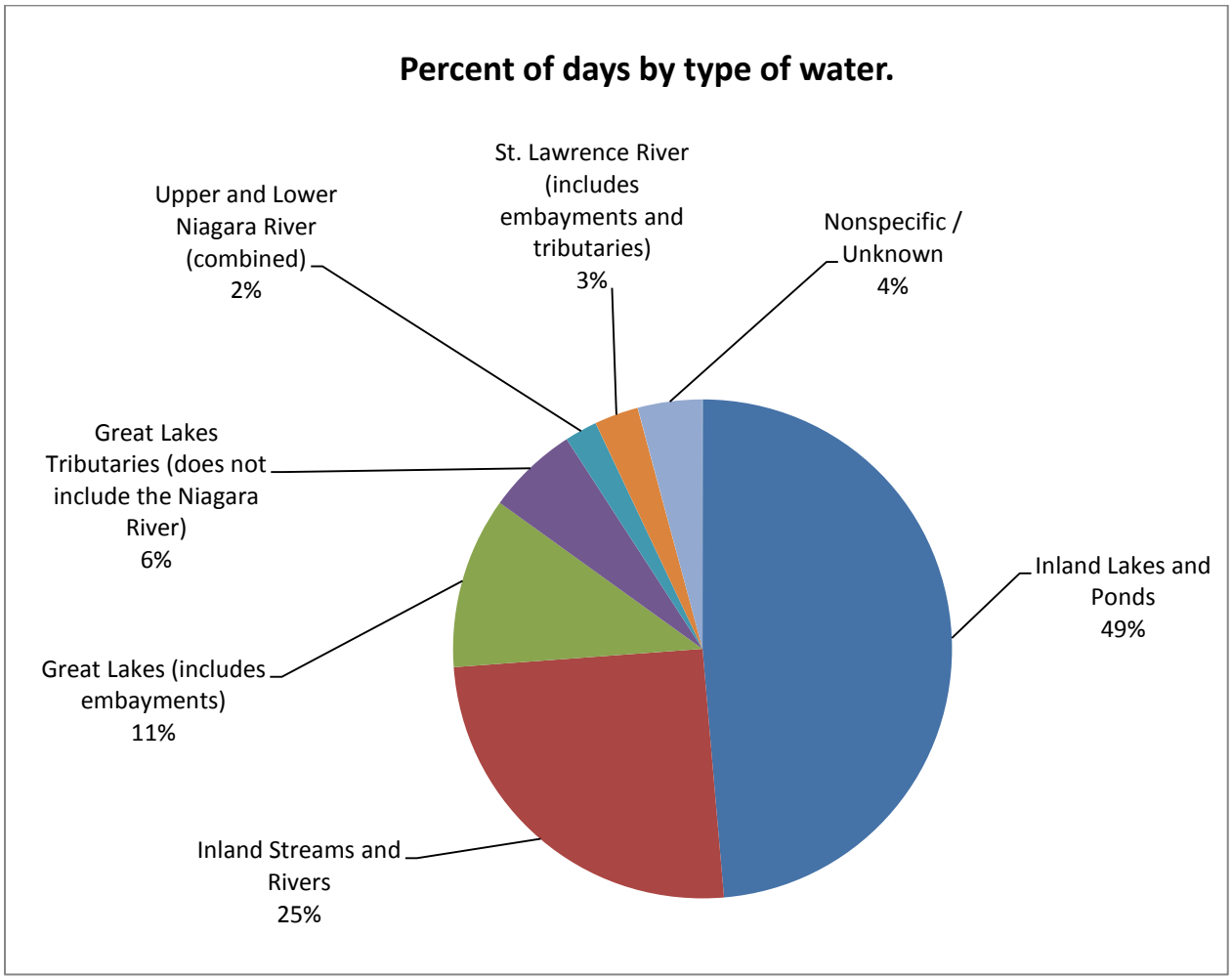


ES Figure 1. Percent of Days Fished by Fish Species Group

ES Table 2 and ES Figure 2 show a breakdown by waterbody types and subtypes for anglers fishing in New York in 2017. The three major groupings are Great Lakes waters, inland waters (making up the vast majority of days), and "unknown waters" (consisting of responses by anglers

who could not remember the specific waterbody but know that they fished for a certain amount of days, as well as those whose named waterbody could not be identified in the analysis).

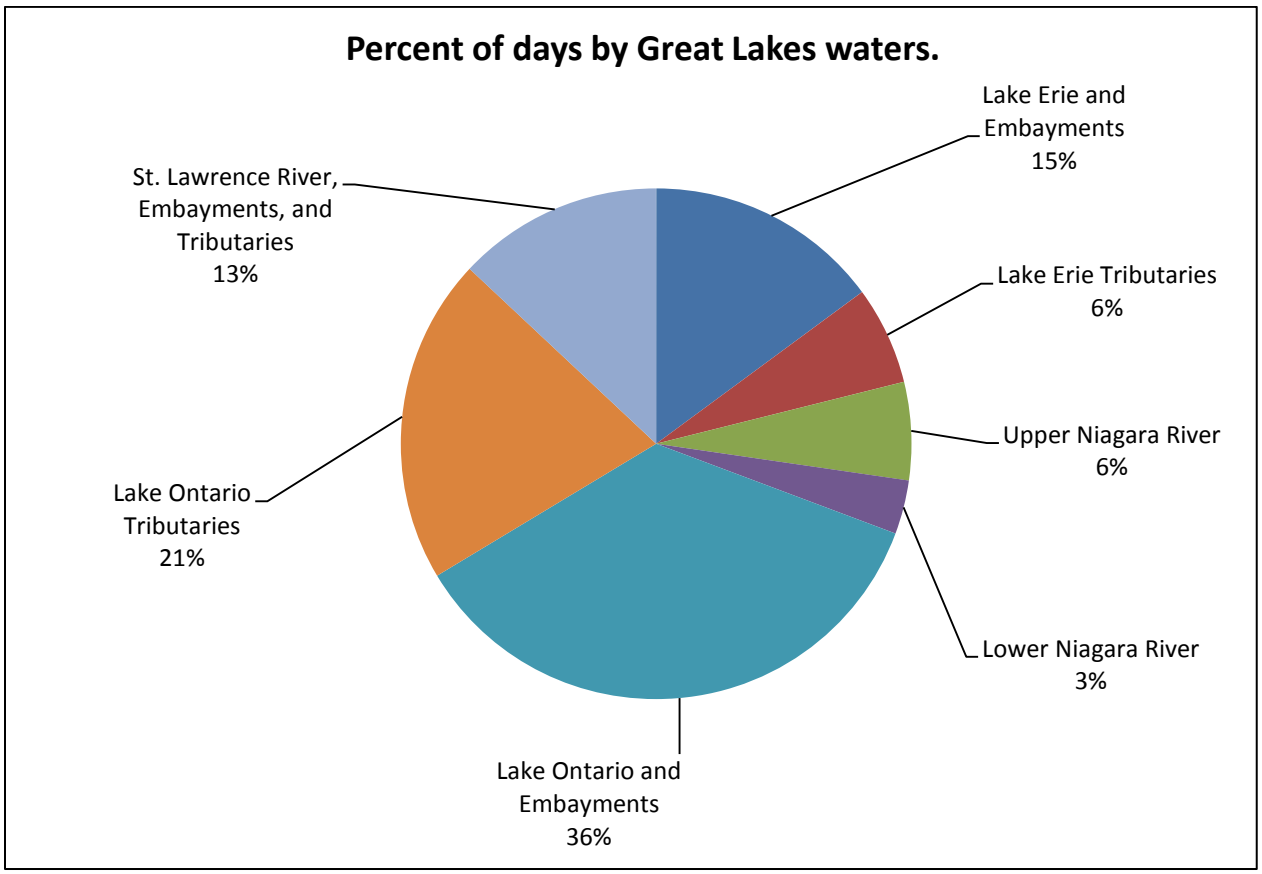
ES Table 2. Estimated Number of Angler Days, by Waterbody Type		
Waterbody Type	**Estimated Days**	**Confidence Limit**
Inland Lakes and Ponds	9,675,704	178,135
Inland Streams and Rivers	5,018,531	110,724
Great Lakes (includes embayments)	2,207,383	99,454
Great Lakes Tributaries (excluding the Niagara River)	1,175,775	61,580
Upper and Lower Niagara River (combined)	419,271	40,225
St. Lawrence River (includes embayments and tributaries)	568,257	40,259
Nonspecific / Unknown	834,178	75,537



ES Figure 2. Percent of Days Fished by Type of Water

Great Lakes angler effort is shown in ES Table 3 and ES Figure 3.

ES Table 3. Estimated Number of Great Lakes Angler Days		
Waterbody	**Estimated Days**	**Confidence Interval**
Lake Erie and Embayments	650,180	43,585
Lake Erie Tributaries	271,027	22,318
Lake Erie Total	921,207	48,809
Upper Niagara	270,725	36,290
Lower Niagara	148,546	17,452
Niagara Total	419,271	40,225
Lake Ontario and Embayments	1,557,203	89,892
Lake Ontario Tributaries	900,370	57,561
Lake Ontario Total	2,457,573	99,795
St. Lawrence River and Embayments and Tributaries	568,257	40,259

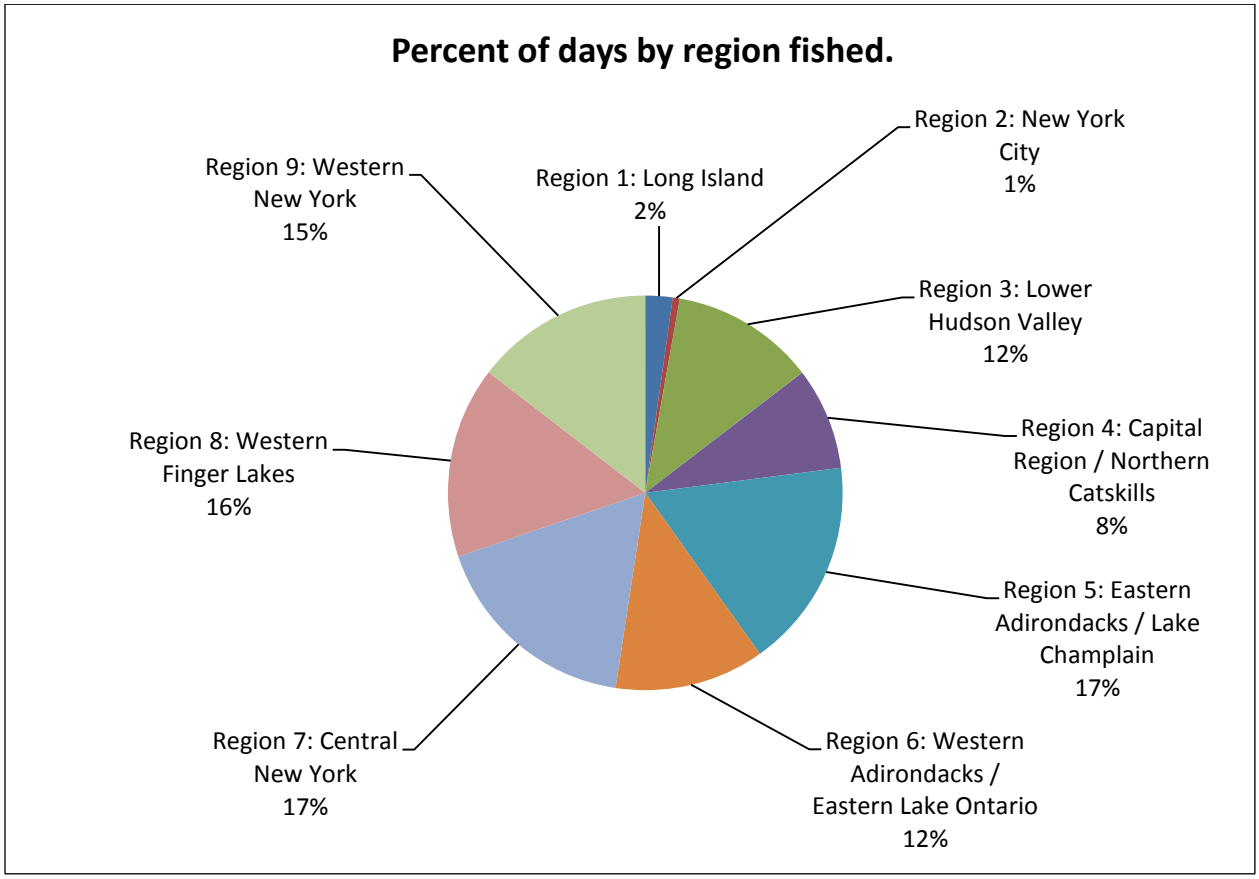


ES Figure 3. Percent of Days Fished Among Great Lakes Anglers

ES Table 4 and ES Figure 4 show the number and percentage of days fished, broken down by DEC administrative region in New York during 2017. In this table and graph, the data are for the *region fished*. In ES Table 5 and ES Figure 5, data are shown by *region of residence*. The leading

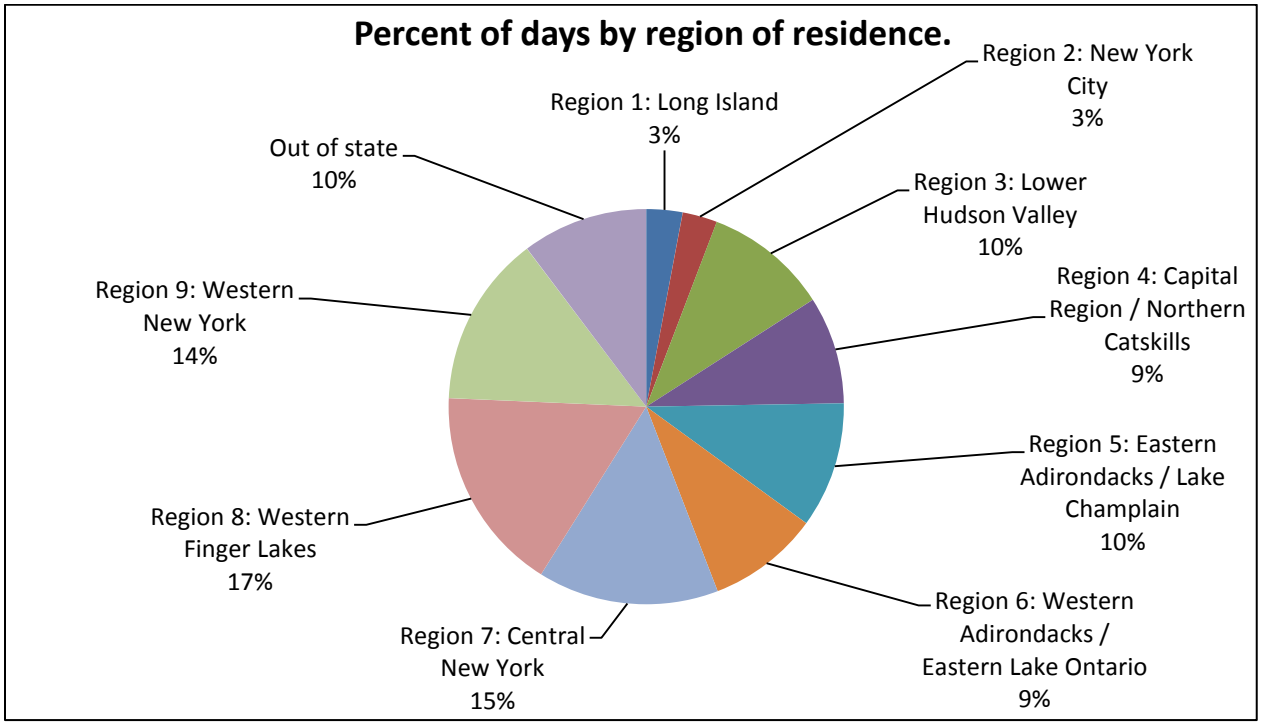
regions fished were Central New York, Eastern Adirondacks/Lake Champlain, the Western Finger Lakes, and Western New York.

ES Table 4. Estimated Number of Angler Days, by NYSDEC Region Fished		
Region	**Estimated Days**	**Confidence Interval**
Region 1: Long Island	420,469	35,216
Region 2: New York City	109,712	19,596
Region 3: Lower Hudson Valley	2,223,540	80,834
Region 4: Capital Region / Northern Catskills	1,585,473	73,013
Region 5: Eastern Adirondacks / Lake Champlain	3,240,954	103,000
Region 6: Western Adirondacks / Eastern Lake Ontario	2,314,158	97,530
Region 7: Central New York	3,280,452	102,344
Region 8: Western Finger Lakes	2,958,913	105,917
Region 9: Western New York	2,747,881	86,645
Region unknown	1,017,546	56,465



ES Figure 4. Percent of Days Fished by Region Fished

ES Table 5. Estimated Number of Angler Days, by NYSDEC Region of Residence		
Region	**Estimated Days**	**Confidence Interval**
Region 1: Long Island	590,152	41,097
Region 2: New York City	564,247	38,200
Region 3: Lower Hudson Valley	2,011,322	78,644
Region 4: Capital Region / Northern Catskills	1,754,186	80,035
Region 5: Eastern Adirondacks / Lake Champlain	2,045,631	90,035
Region 6: Western Adirondacks / Eastern Lake Ontario	1,812,726	89,480
Region 7: Central New York	2,944,048	91,432
Region 8: Western Finger Lakes	3,335,734	115,499
Region 9: Western New York	2,788,826	86,230
Out of state	2,047,237	65,194
Unknown	4,990	3,833



ES Figure 5. Percent of Days Fished by Region of Residence

SPECIFIC USE

New York anglers spend the most days fishing for largemouth bass (3.54 million angler days) and smallmouth bass (2.70 million angler days). Three other species accounted for more than a million angler days each: brown trout (2.12 million angler days), walleye (1.62 million angler days), and yellow perch (1.06 million angler days).

ES Table 6 shows the top 25 waterbodies, ranked by the total estimated angler days. The top waterbodies fished are Lake Ontario, Lake Erie, Oneida Lake, the St. Lawrence River, and Lake Champlain—each with more than 400,000 angler days. Note that the estimated number of anglers on a given waterbody is not ranked in the same order, as some waterbodies may have more angler days while having fewer anglers, compared to another waterbody. For instance, Lake George has fewer anglers than the Salmon River, but it accounts for more angler days.

ES Table 6. Estimated Number of Anglers and Angler Days, by Major Waterbodies

Rank	Waterbody	Estimated Days	Confidence Interval	Estimated Anglers	Confidence Interval
1	Lake Ontario	1,514,585	89,510	114,888	5,318
2	Lake Erie	659,487	43,911	50,373	3,715
3	Oneida Lake	648,947	49,120	47,190	3,605
4	St. Lawrence River	569,519	40,266	45,638	3,550
5	Lake Champlain	478,846	61,426	28,304	2,833
6	Cayuga Lake	359,547	47,995	29,646	2,896
7	Lake George	316,890	28,061	31,472	2,980
8	Lower Hudson River	313,618	30,687	30,627	2,942
9	Erie Canal	288,722	32,519	20,397	2,419
10	Salmon River	287,769	23,906	43,389	3,467
11	Upper Niagara River	270,725	36,290	16,688	2,194
12	Keuka Lake	248,131	32,018	21,009	2,454
13	Chautauqua Lake	243,987	26,298	22,189	2,520
14	Seneca Lake	223,777	34,686	17,790	2,264
15	Saratoga Lake	201,385	32,389	17,062	2,218
16	Great Sacandaga Lake	183,874	24,502	15,612	2,124
17	Conesus Lake	167,839	29,176	15,448	2,113
18	Mohawk River	160,232	20,135	17,484	2,245
19	Lower Niagara River	148,546	17,452	16,833	2,204
20	Susquehanna River	148,093	19,420	11,537	1,832
21	Black Lake (St. Lawrence County)	134,838	22,815	10,536	1,752
22	Canandaigua Lake	134,027	20,508	12,467	1,903
23	Delaware River, Lower West Branch	133,461	25,087	11,680	1,843
24	Cattaraugus Creek	123,245	14,414	15,397	2,110
25	Beaver Kill	120,813	14,569	17,205	2,227

EXPENDITURES

Expenditures were categorized by location: those expenses at the fishing location, and those expenses that were incurred at home and on the way to and from the fishing location. ES Table 7 shows these expenditures by region of residence. Out-of-state anglers expended over $96.5 million in New York State during 2017. ES Table 8 shows expenditures by region fished. The regions with the most at-location expenditures are the Eastern Adirondacks/Eastern Lake Ontario and Central New York.

ES Table 7. Estimated Expenditures by Region of Residence						
Region of Residence	**Amount Spent at Location**	**Confidence Interval**	**Amount Spent at Home and en Route**	**Confidence Interval**	**Total**	**Confidence Interval**
Region 1: Long Island	$7,324,362	$973,596	$5,617,170	$1,220,347	$12,941,531	$1,681,316
Region 2: New York City	$9,804,622	$1,253,813	$7,680,674	$1,015,430	$17,485,296	$1,910,000
Region 3: Lower Hudson Valley	$20,834,443	$1,704,098	$16,479,132	$3,652,769	$37,313,575	$4,237,301
Region 4: Capital Region / Northern Catskills	$13,982,537	$1,320,566	$13,731,461	$863,581	$27,713,997	$1,882,758
Region 5: Eastern Adirondacks / Lake Champlain	$16,731,968	$1,344,424	$18,909,513	$1,455,764	$35,641,481	$2,530,168
Region 6: Western Adirondacks / Eastern Lake Ontario	$11,193,594	$914,228	$9,879,630	$563,709	$21,073,224	$1,271,262
Region 7: Central New York	$22,049,084	$1,591,996	$20,806,040	$1,355,075	$42,855,124	$2,395,452
Region 8: Western Finger Lakes	$26,268,723	$1,593,501	$20,316,523	$1,260,065	$46,585,246	$2,399,646
Region 9: Western New York	$27,158,742	$1,655,527	$22,558,862	$2,322,415	$49,717,604	$3,150,409
Out of state	$96,538,811	$4,053,827	$67,655,187	$7,034,897	$164,193,998	$8,820,882
Total	$251,938,829	$5,641,823	$203,666,853	$8,708,143	$455,605,683	$11,302,539

"At Location" expenditures are those made by the anglers, regardless of whether they spent that money inside or out of their region of residence. In other words, anglers residing in Region 1 (Long Island) spent $7,324,362 *at their fishing location*, including some locations outside of Region 1 itself. Note the total row includes a small percentage of anglers whose county of residence could not be positively identified and are listed in the database as residence unknown.

ES Table 8. Estimated Expenditures by Region Fished		
Region Fished	**At Location Expenditures**	**Confidence Interval**
Region 1: Long Island	$1,948,409	$336,147
Region 2: New York City	$203,643	$58,607
Region 3: Lower Hudson Valley	$18,324,383	$1,592,490
Region 4: Capital Region / Northern Catskills	$19,308,691	$1,842,880
Region 5: Eastern Adirondacks / Lake Champlain	$52,465,572	$2,956,565
Region 6: Western Adirondacks / Eastern Lake Ontario	$34,035,834	$2,070,109
Region 7: Central New York	$48,700,691	$2,391,010
Region 8: Western Finger Lakes	$30,560,496	$1,978,856
Region 9: Western New York	$31,769,625	$1,966,433

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INTRODUCTION

The management of New York's freshwater fisheries has both a biological aspect and a human dimensions aspect, requiring that the state know what its anglers' preferences and practices are. To this end, the New York State Department of Environmental Conservation's (DEC) Bureau of Fisheries (hereinafter referred to as the "Bureau") has contracted surveys of its licensed freshwater anglers approximately every 10 years starting in 1973. Prior to this latest survey, the survey was most recently conducted by the Human Dimensions Research Unit at Cornell University in 2007-2008 (Connelly and Brown 2009).

Prior surveys were conducted by mail in 1973, 1976-1977, 1988, 1996, and 2007-2008. All of the surveys prior to 2007-2008 were done as a single annual mailing (i.e., the survey asked about a calendar year, with one survey covering the entire year); the survey in 2007-2008 was conducted as a trimester recall survey, with three surveys spaced throughout the year in which respondents answered questions regarding the previous 3- to 5-month period. This was done to test whether this shorter recall time would be more accurate than the single-year survey. The 2007-2008 survey included a single-year survey, conducted by telephone, on a smaller sample to be compared with the trimester recall survey.

The conclusions of that report (Connelly and Brown 2009) were that there were very few statistically significant differences in the trimester recall survey compared to a single-year survey on the test variables. For instance, the report stated: "Estimates of fishing effort derived from the three-phase survey did not differ significantly very often from the 12-month recall survey, and when differences occurred, no consistent pattern could be found." In light of the greater costs associated with a three-phase survey, which were deemed to outweigh the benefits, the Bureau decided to contract a single-year survey in 2018 about angler activity during calendar year 2017 (hereinafter referred to as the "2017 survey").

The 2017 survey was conducted both online and by mail. The online survey was the primary method for obtaining data, with a mail survey being conducted to address any potential bias in the online survey sample. Note that the online survey was a closed survey, meaning only those specifically invited to take it could complete the survey. In addition, a telephone survey of non-responders to the online and mail surveys was conducted to help assess any potential biases in the other methods. The 2017 survey effort, which included online, mail, and telephone surveys, was conducted by Responsive Management. The study's results are presented in four reports, with data presented in reports 1 through 3 and the methods presented in the fourth report. This is Report 1, which concentrates on effort and expenditures. (Report 2 explores anglers' preferences and attitudes toward fishing and fisheries management, Report 3 shows results for each county, and Report 4 explains the full methodology.)

SURVEYING METHODOLOGY

The overarching purpose of these ongoing surveys is to determine angler preferences, opinions, behaviors, spending, and travel. The study entailed a scientific multi-modal survey of licensed New York freshwater anglers. Specific aspects of the surveying methodology are detailed below. (More detailed information on the survey methodology is presented in the fourth report as part of this project, *New York Angler Survey: Full Description of Methodology, Possible Biases, and Recommendations for Improving Future Surveys, Report 4 of 4*.)

Use of a Multi-Modal Survey

As mentioned previously, the survey combined a closed online survey of licensed anglers (closed means that only those identified and invited to take the survey could take it; a person surfing the Internet could not stumble across the survey and take it) with a mail survey of licensed anglers.

Questionnaire Design

The survey questionnaire was developed cooperatively by Responsive Management and the Bureau, based partly on the previous mail surveys that the Bureau had contracted but including some new questions. Two questionnaires were developed for this 2017 survey: a paper copy for mail surveying (shown in the Appendix), and an electronic version for online surveying. Responsive Management conducted pre-tests of the questionnaires to ensure proper wording, flow, and logic in them.

Survey Sampling

The survey goal was to obtain at least 10,250 completed questionnaires with resident and non-resident anglers who had purchased a fishing license valid at any time in 2017, including resident and non-resident 1-day, 7-day, and annual licenses, as well as lifetime, resident senior, and military licenses. The survey sampling plan called for approximately 8,200 questionnaires to be obtained from the closed online survey and approximately 2,050 to be obtained by postal mail. The sampling and contact procedures were to attempt to contact those with a valid email address by email and send mail surveys only to those who did not have a valid email address. Note that the plan was to give the full survey only to those anglers who had fished in 2017, 2016, and/or 2015, but the questionnaires of those who did not fish in any of those years were recorded to establish participation rates in fishing among various categories of license holders.

To start, the Bureau provided a database of individuals who had a freshwater fishing license valid for any time during the calendar year 2017 (this includes holders of any short-term licenses valid at any part of 2017 and annual license purchasers from January 1, 2016, through December 31, 2017—because annual licenses are valid 365 days from the date of purchase, all annual licenses purchased during that time were valid during part of the calendar year 2017). Note that the database was used solely for the survey; all personal identifying information was stripped from any data provided to the Bureau. Upon completion of the surveying effort, Responsive Management has not and will not use the database for any other purposes.

The database was first prepared for the samples to be drawn, one sample for email contact and another sample for postal mail contact. Responsive Management's initial task in preparing the database was to de-duplicate it. This is necessary because some people are in the database more

than once, typically because they have purchased more than one license. Duplicate anglers are taken out so that each data record is a unique individual.

This de-duplicated database was used to establish the age structure of holders of each license type; the database can be thought of as containing two pools: an online pool (license holders with a valid email addresses in the database) and a postal mail pool (those without a valid email address—note that all records included a postal mail address). In the next step, Responsive Management removed invalid email addresses (e.g., "noemail@noemail.com"); these anglers were put into the postal mail pool. Responsive Management then used the online survey vendor's automated pre-launch check, which identified additional invalid emails—these anglers were also put into the postal mail pool.

From the two pools in this database, an online sample and a postal mail sample of anglers were drawn. Each sample (the online sample and the mail sample) was pulled from the license database so that the various types of licenses were proportional to their actual representation in the database and the age structure within each license type in the sample matched the age structure of each license type in the license database.

Contact Procedures

The email survey was sent on February 28 and March 1 (random halves sent on each date; not two emails to the same person). The Bureau also sent a separate email to assure potential respondents of the legitimacy of the survey; it was sent on March 6, 2018. Email reminders encouraging anglers to take the survey were then sent on March 8, March 22, and April 3, 2018, under the direction of Responsive Management (i.e., not sent by the Bureau).

The mail survey was postmarked on March 15, 2018. A follow-up mailing to 1,025 of those who had not responded (with the paper survey again enclosed) was postmarked on June 8, 2018.

The cutoff after which no new mail or online surveys would be accepted was August 31, 2018.

Response Rates

The response rate is based on the number of completed questionnaires compared to the number of people in the survey of whom a contact was attempted. This calculation does not include invalid sample records that were removed in the development of the final sample, such as duplicate records of people already in the sample (which can happen when the same person is in the database twice because he or she held two licenses) or people who have no valid contact information. Nor does the response rate calculation include records in the sample that are determined to be invalid after the development of the final sample, such as those records for people who are no longer at the address or telephone number provided or who have died—these invalid records are revealed during the administration of the survey.

In the email sample, there were 43,514 contacts attempted that are considered valid email contacts. Responsive Management obtained 9,338 completed online questionnaires, resulting in a response rate of 21.5%.

For the final postal mail sample considered in the response rate, there were 13,410 questionnaires mailed to valid contacts. In the mail portion of the survey, Responsive Management obtained 1,997 completed questionnaires, resulting in a response rate of 14.9%.

ANALYSIS OF THE DATA FROM THE SURVEYS

This section on data analysis discusses data format, weighting procedures, analysis of individual waterbodies named by survey respondents, the economic analysis of waterbodies, DEC administrative regions used in analyses, types of fish, and confidence intervals.

Data Obtained From Surveys

All of the data were in the online survey vendor's format. The online respondents entered their responses directly during the survey. The mail survey questionnaires were returned to Responsive Management's office, and the responses were entered into the online version of the survey from the mail surveys by Responsive Management staff. Once all the data were obtained/entered, the online data were then imported directly into IBM SPSS Statistics for analyses.

Data Weighting

The decision was made by the research team, in consultation with the Bureau, to weight all the data to the age, gender, and regional breakdown of the database from which the samples were pulled. The license database included the age, gender, and county of residence, and those data were appended to the survey data for each respondent. (Note that before any survey data were subsequently provided to the Bureau, all personal information that could link a survey respondent to a particular person was removed to ensure that all respondents were completely anonymous.)

Procedures for the Analysis of Waterbodies Fished

In the survey, anglers were asked to name the waterbodies in which they fished in 2017 for up to a dozen waterbodies. Because of the vast number of possible waterbodies in the State of New York, drop-down lists were not considered (nor could they be used in the paper surveys). Therefore, the survey respondents wrote the name of the waterbodies in which they fished and the nearest village or county to identify their location. This procedure followed the prior survey that included the line for nearest village or county (in one field) to help identify the location. (Please see the fourth report of this project for a discussion of how to better obtain data on waterbodies and nearest location.)

Each entry was examined (there were approximately 26,000 such entries). If the waterbody could be easily determined, its spelling was normalized (lake erie, LAKE ERIE, and Lake erie would all be entered as "Lake Erie"). If the waterbody could not be determined initially, analysts examined the county/nearest village entry to help identify the waterbody, considering possible spelling variations as well that might show up when people are writing in the waterbodies in an open-ended question. For instance, "Willomoc Creek" near "roscoe" was identified in the final data as Willowemoc Creek in Sullivan County.

If a waterbody was listed with only part of the name that could apply to other waterbodies (e.g., if the entry was simply "Keuka," which could refer to Keuka Lake, Keuka Inlet, or Keuka

Outlet), DEC Regional Fisheries Managers were consulted to help determine the waterbody if possible. In cases where a waterbody did not have a unique name (e.g., Mill Pond) and could not be attributed to any of the waterbodies with that name, the waterbody was coded as "Mill Pond (unknown)," but trips could still be counted in the state total, even though the waterbody was not identified.

For each waterbody, analysts determined the actual waterbody (i.e., with normalized spelling), the county and the DEC region, and the type of waterbody. Each waterbody was classified as a river/stream or pond/lake, as well as whether it was an inland waterbody or a Great Lakes waterbody. The Great Lakes waterbodies category included the lakes themselves (including embayments) as well as rivers that feed into those lakes. This task was undertaken using a combination of Responsive Management and Bureau staff. The end result is a very useful database that includes a matrix of waterbodies and locations connected to other survey responses.

Each angler entered information about the waterbodies in which he or she fished and could enter up to 12 waterbodies. Each of these entries is a row of data; among the attributes in each of these rows of data are four attributes related to the waterbody in which the angler fished: the name of the waterbody, the county, the region, and the type of water (river/stream or lake/pond). All the possible scenarios regarding waterbody, county, region, and type are shown in Table 1.

Table 1. Waterbody Data Scenarios

Waterbody	County	Region	Type	Notes
Known	Known	Known	Known	This is the perfect case.
Known	Unknown	Known	Known	This can occur when the county could not be identified but the given waterbody was in only one region
Known	Unknown	Unknown	Known	This can occur when the waterbody is known, the county could not be identified, and the waterbody spans more than one county and more than one region.
Unknown	Known	Known	Known	This can occur when the waterbody could not be identified, the county could be identified, and the waterbody type was indicated in the name.
Unknown	Known	Known	Unknown	This can occur when the waterbody and its type could not be identified, but the county could.
Unknown	Unknown	Unknown	Known	This can occur when only the type was identifiable in the name but the waterbody and county could not be identified.
Unknown	Unknown	Unknown	Unknown	In these cases, the trip days, type of fish, and spending could be counted in state totals, but not in any region or type of water.

Because of the unknown fields, no single column above will sum to the total. For instance, the sum of days for all the known waterbodies will be less than the total days, the sum of days for all counties will be less than the total days, and so forth. Tables may have totals that have apparent slight discrepancies with other tables because of these unknown fields, as well.

Fresh waters in the state were also categorized as being inland or Great Lakes-related. In these reports "Great Lakes" waters were defined as Lake Erie and its embayments, the Niagara River, Lake Ontario and its embayments, and the portions of major Lake Erie and Lake Ontario tributaries in the county closest to the lake (below the first barrier impassable to fish), as well as the St. Lawrence River and its embayment and tributaries. This categorization was possible only

when the name of the waterbody was known, as well as the county for some waterbodies. Note that this survey and the analysis of data used a more detailed breakdown of the Great Lakes than did prior reports contracted by the Bureau.

Specifically, in the analysis of the Great Lakes waters, the following lists were used:

Lake Erie Embayments
- Dunkirk Harbor
- Barcelona Harbor
- Buffalo Harbor

Lake Erie Tributaries
- Big Sister Creek
- Buffalo Creek
- Buffalo River
- Canadaway Creek
- Cattaraugus Creek (only the portion in Chautauqua, or Erie Counties)
- Cayuga Creek
- Cazenovia Creek
- Chautauqua Creek
- Clear Creek (Erie County; tributary to Cattaraugus Creek)
- Delaware Creek
- Eighteen Mile Creek (Erie County)
- Silver Creek
- Smokes Creek
- Walnut Creek

Lake Ontario Embayments
- Black River Bay
- Blind Sodus Bay (Wayne County)
- Braddock Bay
- Buck Pond
- Chaumont Bay
- Cranberry Pond
- East Bay (Wayne County)
- Henderson Harbor
- Irondequoit Bay
- Little Sodus Bay
- Long Pond
- Maxwell Bay
- Mexico Bay
- Port Bay
- Sandy Pond
- Sodus Bay

Lake Ontario Tributaries
- Bear Creek (Wayne County)
- Black River (Village of Dexter; Jefferson County)
- Deer Creek (Oswego County)
- Eighteen Mile Creek (Niagara County)
- Four Mile Creek (Monroe County)
- Genesee River (only the portion in Monroe County/City of Rochester)
- Grindstone Creek
- Irondequoit Creek
- Johnson Creek
- Keg Creek
- Little Salmon River
- Little Sandy Creek
- Marsh Creek (Orleans County)
- Maxwell Creek
- Mill Creek (Jefferson County)
- Mill Creek (Monroe County)
- Ninemile Creek (Oswego County)
- Oak Orchard Creek (only the portion in Orleans County)
- Orwell Brook
- Oswego River (only the portion at the City of Oswego)
- Salmon Creek (the one in Monroe County)
- Salmon River
- Sandy Creek (AKA “North Sandy” - Jefferson County)
- Sandy Creek (Monroe County)
- South Sandy Creek
- Sterling Creek
- Stony Creek
- Twelvemile Creek (Niagara County)

St. Lawrence Embayments and Tributaries
- Brandy Brook
- Chippewa Bay
- Coles Creek
- Eel Bay
- Goose Bay
- Lake of the Isles
- Oswegatchie River (City of Ogdensburg only; St. Lawrence County)
- Raquette River (City of Massena only; St. Lawrence County)

Economic Impact

The data analyses included an estimation of the economic impact of anglers' activities at the top 50 waterbodies.

To estimate the size of the economic contributions made by anglers, this analysis used economic data and software called IMPLAN. The IMPLAN model uses publicly available economic data to calculate several economic multipliers and uses them to estimate and break down the total impact of fishing activity into three separate effects:

1. Direct effects.
2. Indirect effects.
3. Induced effects.

The direct effects result from the home-based and location-specific spending by anglers on each fishing trip. Direct effects represent the money spent by individuals, businesses, and other institutions for the various products used for fishing recreation. The first-round money includes expenditures for items such as fishing tackle, camping equipment, lodging, groceries, and restaurants.

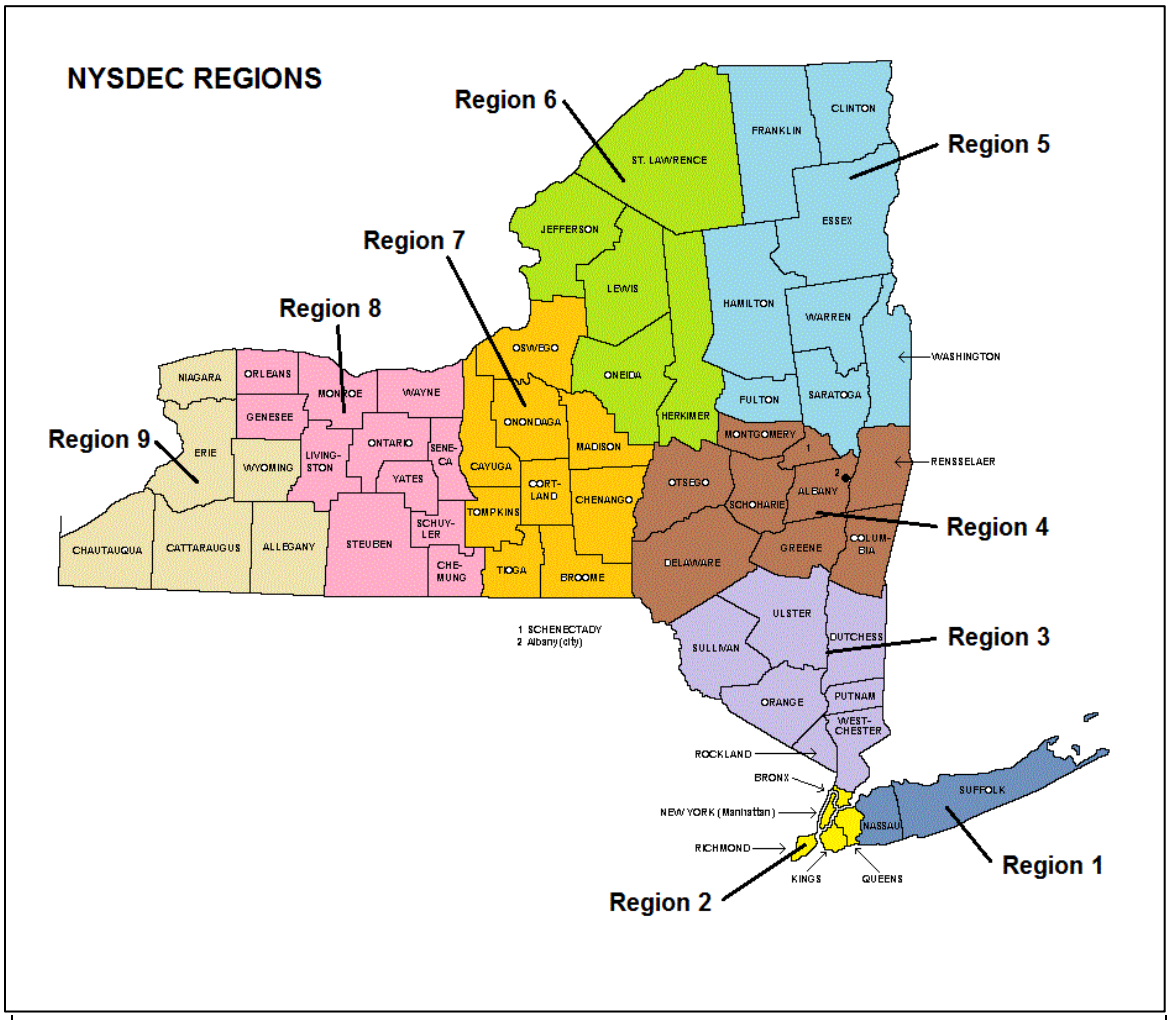
Indirect effects represent subsequent rounds of money spent among local businesses based on the direct effects. Subsequent rounds of money (or indirect effects) include the impact of local industries buying goods and services from other local industries. These purchases are also known as intermediate expenditures.

The last effect, the induced effect, includes all money spent by the employees who receive salaries and benefits from jobs created by angler expenditures and local businesses on purchases such as those from retail clothing stores, restaurants, and other local businesses. Breaking out and examining the two types of secondary effects (indirect and induced effects) helps illustrate the types of economic relationships in a large economy. For example, industries that are more labor-intensive will tend to have larger induced effects and smaller indirect effects. In addition, industries that tend to pay higher wages and salaries will also tend to have larger induced effects. Decomposing the multiplier into its induced and indirect effects can provide a better understanding of the industry under examination and its relationship to the larger economy.

Note that expenditures on equipment include rods, reels, lines, leaders, lures, baits, tackle boxes, creels, and so forth, as well as specialized clothing, guidebooks, and camping gear used for fishing. The equipment expenditures also include large items such as boats and vehicles (if used for fishing), as well as cabins, again if used primarily for fishing. These equipment expenditures—most of which were likely bought at home rather than on a fishing trip—were also included in the total economic effects.

Regions

Addition analyses were conducted at the DEC administrative regional level, as shown in Figure 1.



Region 1: Long Island
Region 2: New York City
Region 3: Lower Hudson Valley
Region 4: Capital Region / Northern Catskills
Region 5: Eastern Adirondacks / Lake Champlain
Region 6: Western Adirondacks / Eastern Lake Ontario
Region 7: Central New York
Region 8: Western Finger Lakes
Region 9: Western New York

Figure 1. NYSDEC Regions

Types of Fish

In the study, fish species groupings were used as shown in Table 2. These are the same groupings as were used in DEC's 2007 survey (Connelly and Brown 2009), with the exception of shad. The Hudson River shad fishery in New York was closed during 2017.

Table 2. Species Groupings as Defined for This Report
Warmwater gamefish
Black bass (smallmouth or largemouth)
Muskie
Northern pike
Pickerel
Tiger muskie
Walleye
Coldwater gamefish
Coho/Chinook salmon
Lake trout
Landlocked Atlantic salmon
Steelhead trout
Trout (brook, brown, rainbow)
Panfish
Bluegill/sunfish
Bullheads, catfish
Crappie (calico bass)
Yellow perch
Marine/anadromous
Striped bass
Carp

Confidence Intervals

All confidence intervals in the tables are reported at the 95% confidence level.

GENERAL ANGLER EFFORT

Anglers fished an estimated total of 19,899,099 days in fresh waters in New York in 2017. (Any part of a day is defined as 1 day of fishing in the survey.) The mean number of days fished per angler was 29.04, and the median was 17 days. The mean is so much higher than the median because of some avid anglers who went fishing many days. The total days include 894,301 days of ice fishing (4% of the total days, but 5% of days known to be either open or ice—a small percentage of days could not be classified as either open or ice).

Table 3 shows number of days fished in 2017 for major fish groupings, while Figure 2 shows the data graphically. Warmwater gamefish led the list, with nearly 9 million days in 2017. Note that carp has a high confidence interval relative to its estimated days. Figure 3 shows the percentages of the fish species groupings.

Table 3. Estimated Number of Angler Days, by Species Group

Species Group	Estimated Days	Confidence Interval
Warmwater gamefish	8,787,520	163,123
Coldwater gamefish	5,448,281	111,698
Panfish	2,255,530	81,747
Marine / anadromous	286,059	29,937
Carp	176,119	30,332
Nonspecific / unknown	2,857,662	81,939

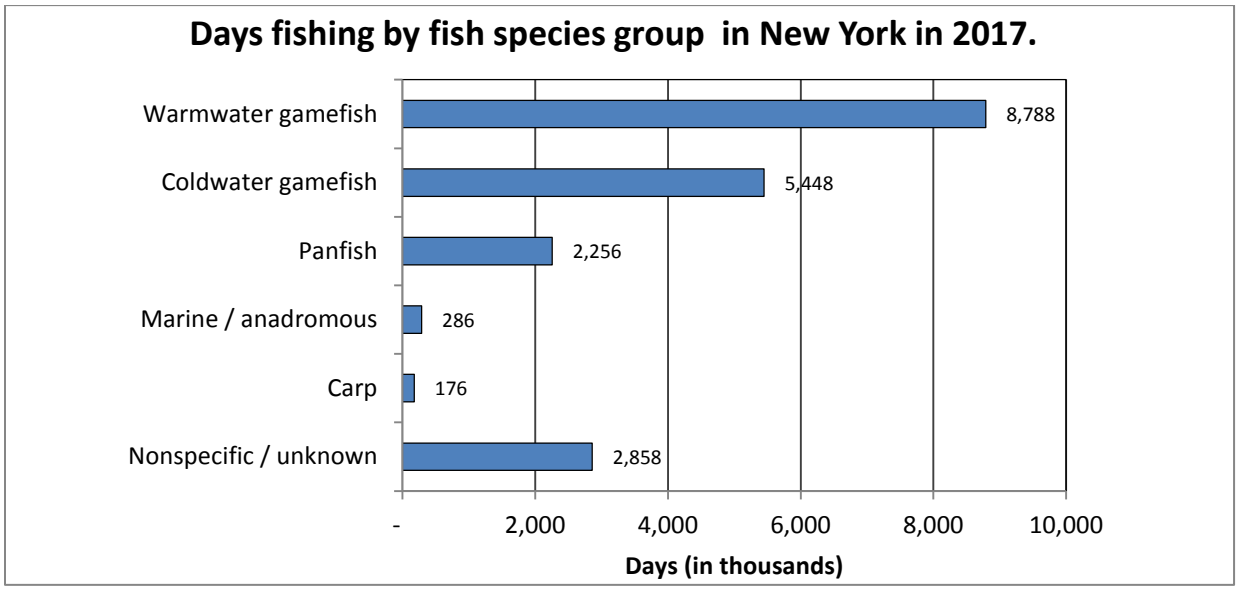


Figure 2. Number of Days Fished by Fish Species Group

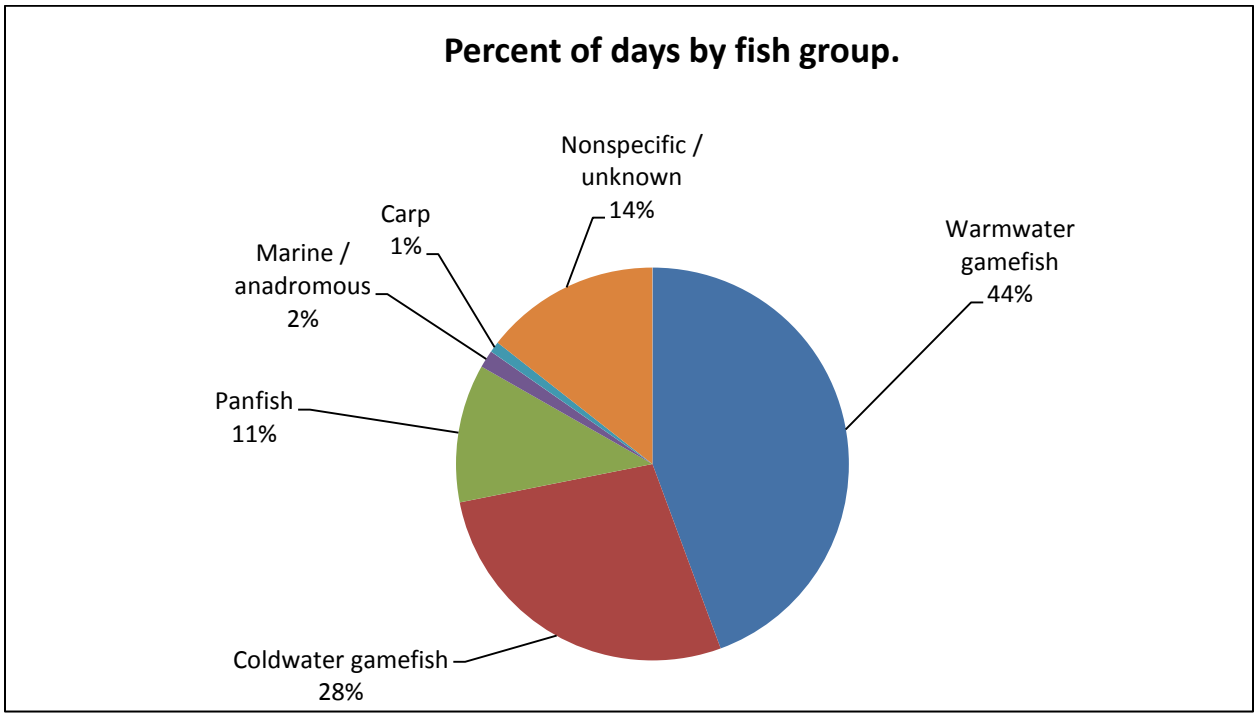


Figure 3. Percent of Days Fished by Fish Species Group

Table 4 and Figure 4 show a breakdown by waterbody types and subtypes for anglers fishing in New York in 2017. The three major groupings are Great Lakes waters, inland waters (making up the vast majority of days), and unknown waters (this type consisting of responses by respondents who could not remember the specific waterbody but know that they fished for a certain amount of days, as well as those whose named waterbody could not be identified by the analysts).

Table 4. Estimated Number of Angler Days, by Waterbody Type

Waterbody Type	Estimated Days	Confidence Limit
Inland Lakes and Ponds	9,675,704	178,135
Inland Streams and Rivers	5,018,531	110,724
Great Lakes (includes embayments)	2,207,383	99,454
Great Lakes Tributaries (excluding the Niagara River)	1,175,775	61,580
Upper and Lower Niagara River (combined)	419,271	40,225
St. Lawrence River (includes embayments and tributaries)	568,257	40,259
Nonspecific / Unknown	834,178	75,537

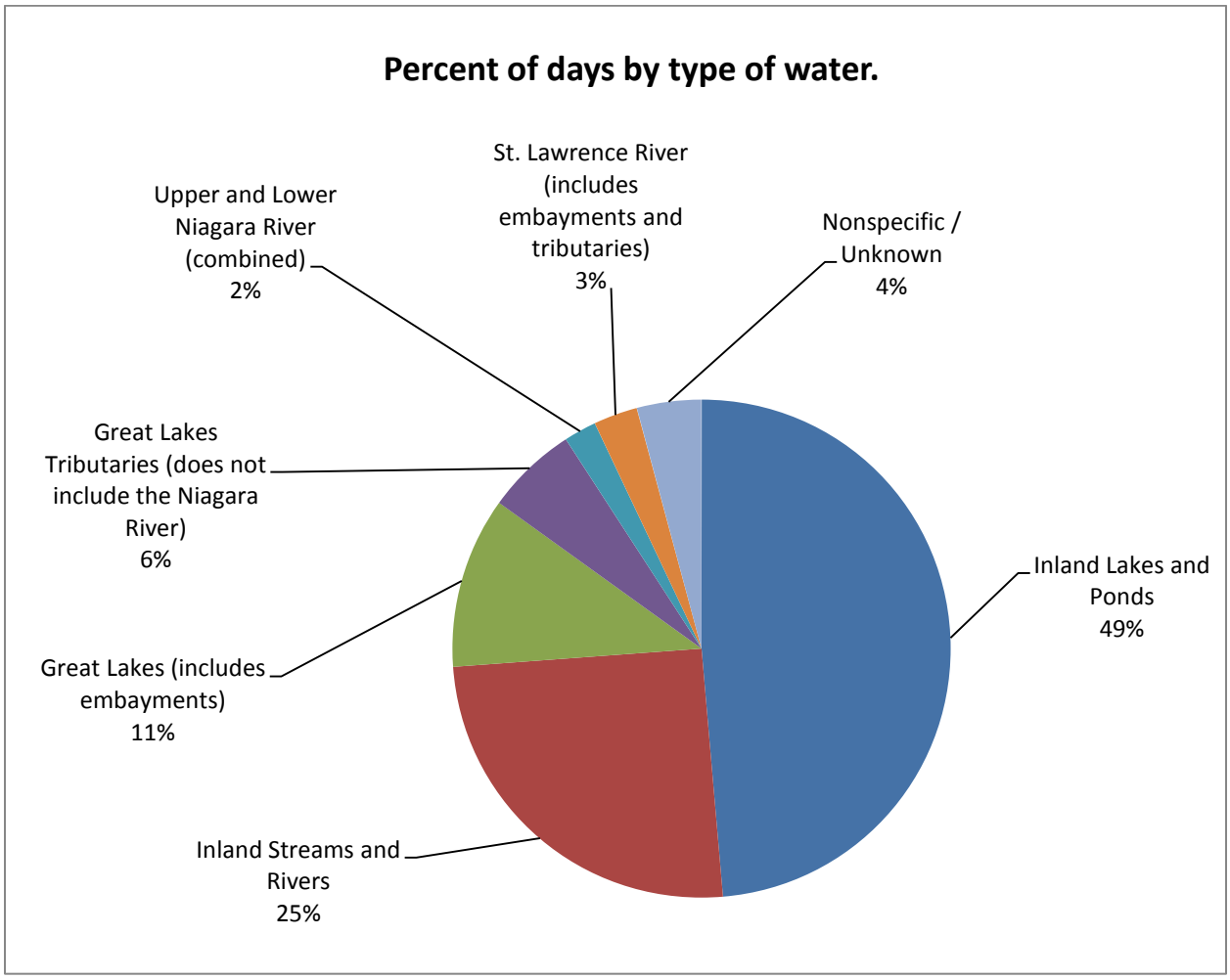


Figure 4. Percent of Days Fished by Type of Water

Table 5 and Figure 5 show days fished in inland versus Great Lakes waters as a whole in 2017. Table 6 breaks down the Great Lakes waters. The pie graph matching the data from Table 6 is shown in Figure 6; the division between Lakes Erie and Ontario is shown in Figure 7.

Table 5. Estimated Number of Angler Days for Inland and Great Lakes Waters

Waterbody Type	Estimated Days	Confidence Limit
Inland Waters	*15,084,250	198,328
Great Lakes Waters	4,370,686	127,972

*Is more than the sum of inland waters in Table 4 because it includes waters known to be inland but otherwise unclassifiable regarding type of inland water.

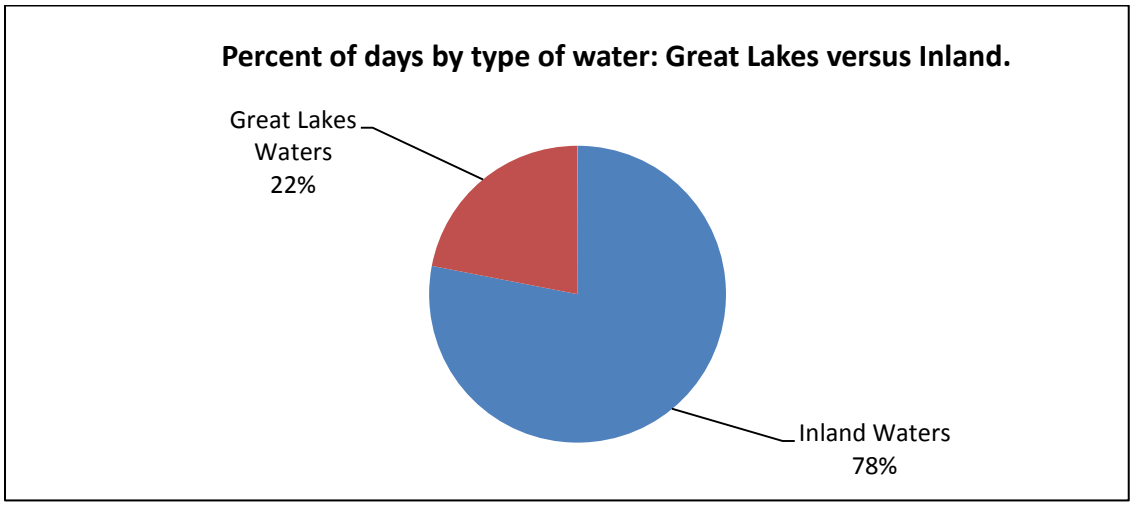


Figure 5. Percent of Days Fished by Great Lakes Versus Inland Waters

Table 6. Estimated Number of Great Lakes Angler Days

Waterbody	Estimated Days	Confidence Interval
Lake Erie and Embayments	650,180	43,585
Lake Erie Tributaries	271,027	22,318
Lake Erie Total	921,207	48,809
Upper Niagara	270,725	36,290
Lower Niagara	148,546	17,452
Niagara Total	419,271	40,225
Lake Ontario and Embayments	1,557,203	89,892
Lake Ontario Tributaries	900,370	57,561
Lake Ontario Total	2,457,573	99,795
St. Lawrence River and Embayments and Tributaries	568,257	40,259

This table sums to slightly less than the Great Lakes total in Table 5 because that table included some waters known to be Great Lakes waters but that could not be classified between the particular Great Lake and so are not in this table; this includes some anglers who fished Eighteenmile Creek but did not know which one and could not otherwise be categorized. Furthermore, the sum of the two Great Lakes tributaries rows is less than the total Great Lakes tributaries in Table 4 because of this same reason.

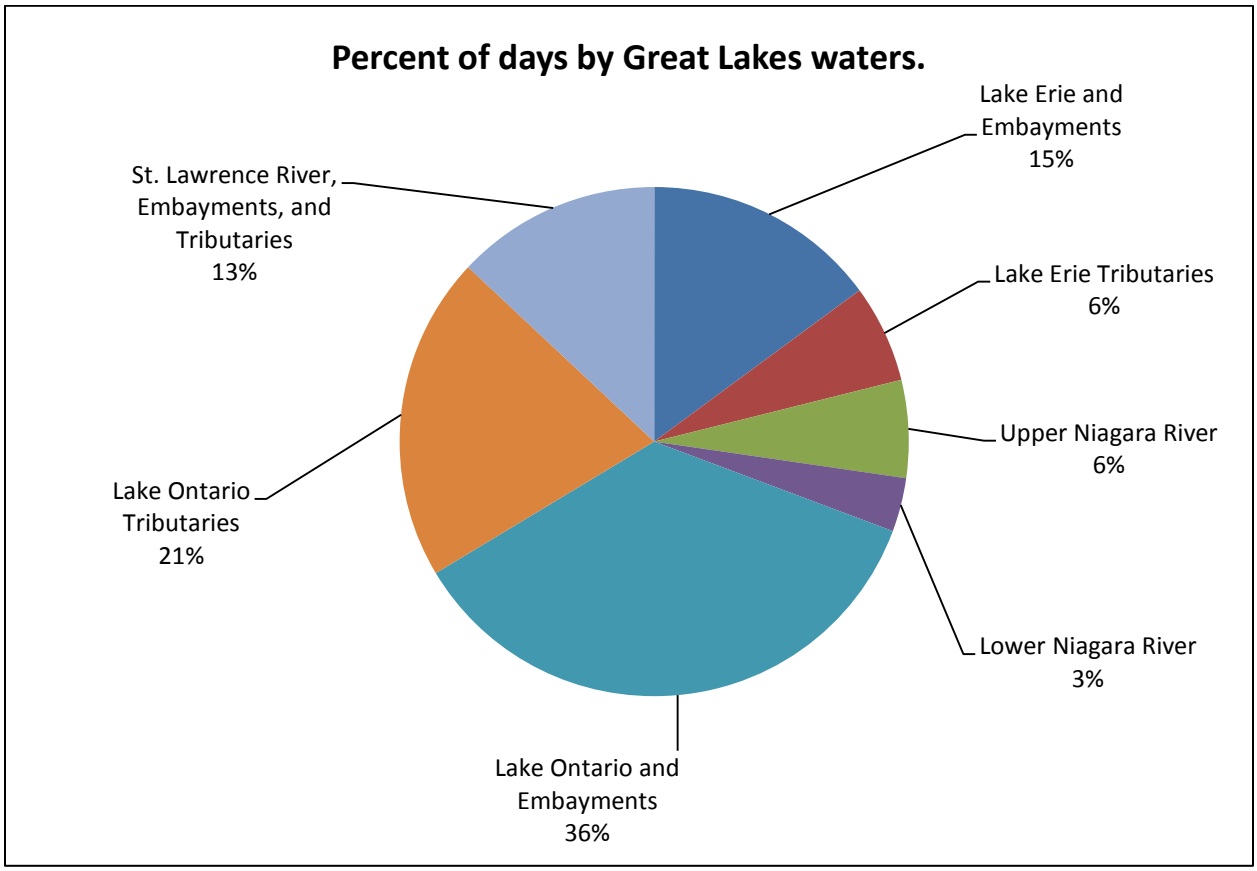


Figure 6. Percent of Days Fished Among Great Lakes Anglers

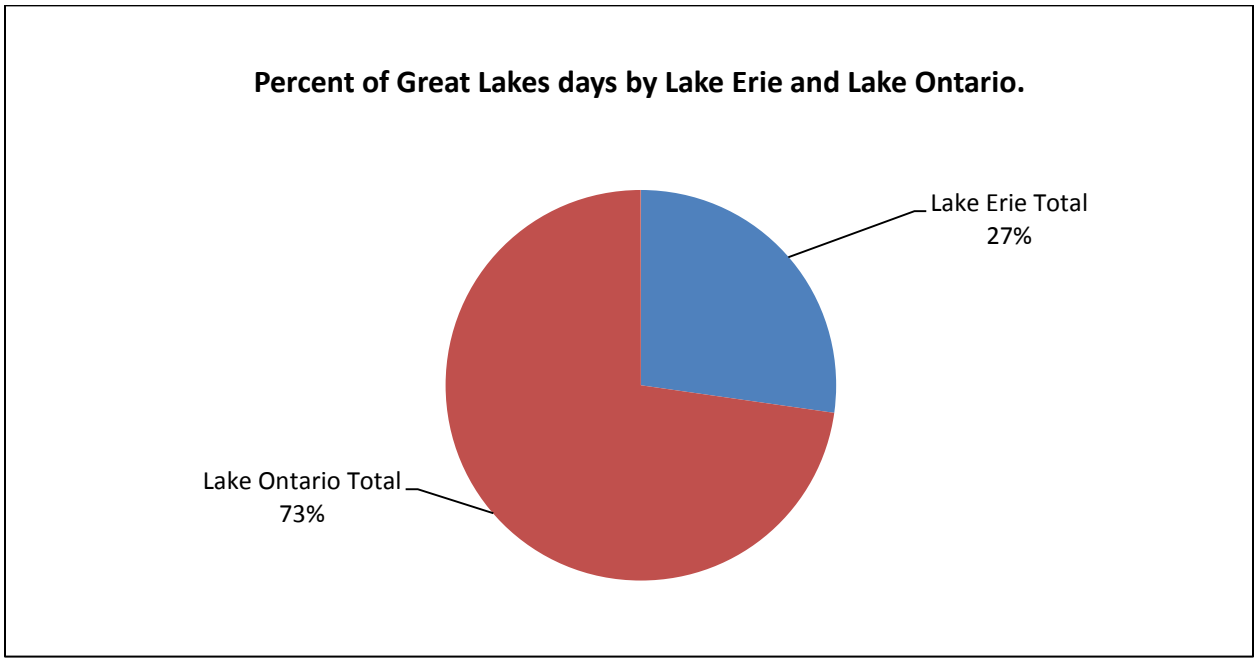


Figure 7. Division of Great Lakes Angler Days by Lake Erie or Lake Ontario

Table 7 and Figure 8 show the number and percentage of days fished by DEC region during 2017. In this table and graph, the data are for the region fished. In Table 8 and Figure 9, data are shown by region of residence.

Table 7. Estimated Number of Angler Days, by NYSDEC Region Fished

Region	Estimated Days	Confidence Interval
Region 1: Long Island	420,469	35,216
Region 2: New York City	109,712	19,596
Region 3: Lower Hudson Valley	2,223,540	80,834
Region 4: Capital Region / Northern Catskills	1,585,473	73,013
Region 5: Eastern Adirondacks / Lake Champlain	3,240,954	103,000
Region 6: Western Adirondacks / Eastern Lake Ontario	2,314,158	97,530
Region 7: Central New York	3,280,452	102,344
Region 8: Western Finger Lakes	2,958,913	105,917
Region 9: Western New York	2,747,881	86,645
Region unknown	1,017,546	56,465

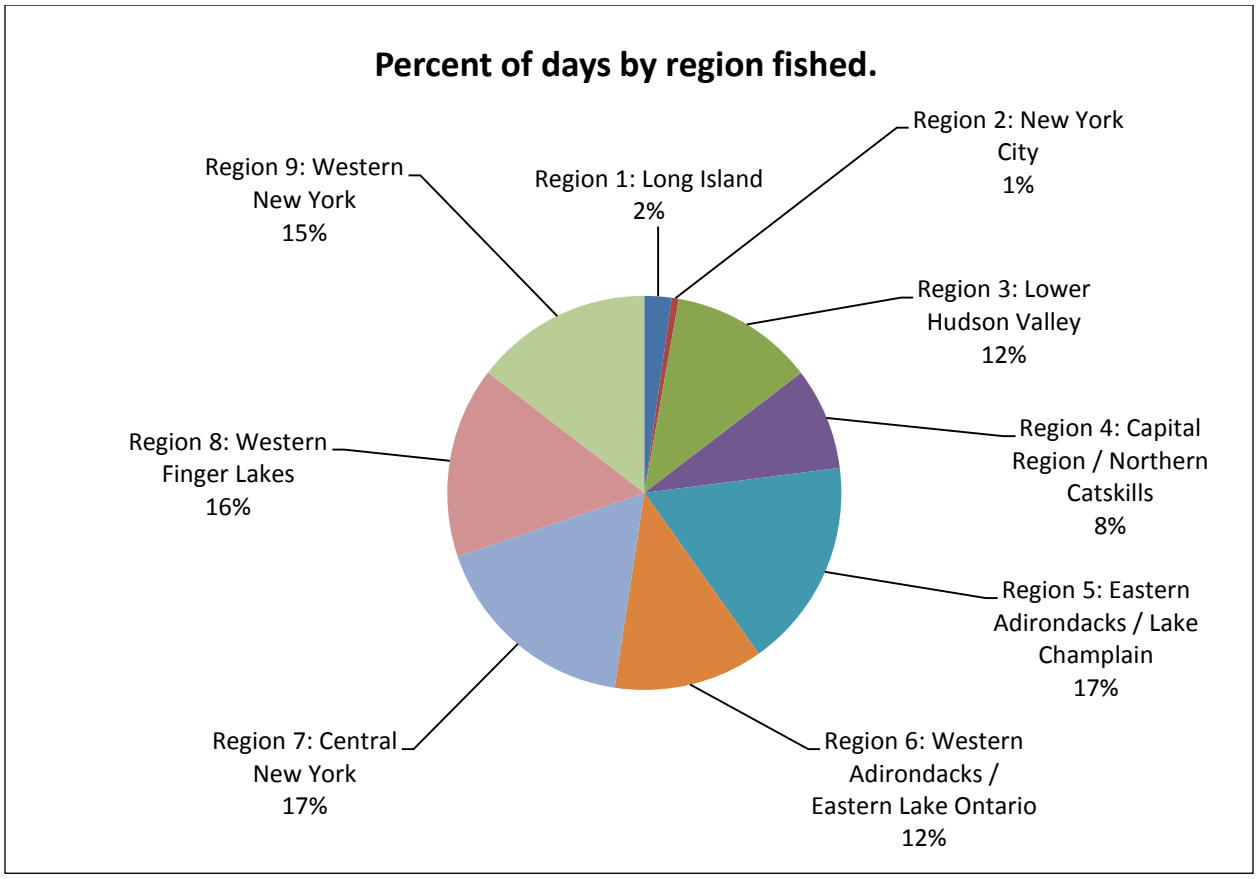


Figure 8. Percent of Days Fished by Region Fished

Table 8. Estimated Number of Angler Days, by NYSDEC Region of Residence		
Region	**Estimated Days**	**Confidence Interval**
Region 1: Long Island	590,152	41,097
Region 2: New York City	564,247	38,200
Region 3: Lower Hudson Valley	2,011,322	78,644
Region 4: Capital Region / Northern Catskills	1,754,186	80,035
Region 5: Eastern Adirondacks / Lake Champlain	2,045,631	90,035
Region 6: Western Adirondacks / Eastern Lake Ontario	1,812,726	89,480
Region 7: Central New York	2,944,048	91,432
Region 8: Western Finger Lakes	3,335,734	115,499
Region 9: Western New York	2,788,826	86,230
Out of state	2,047,237	65,194
Unknown	4,990	3,833

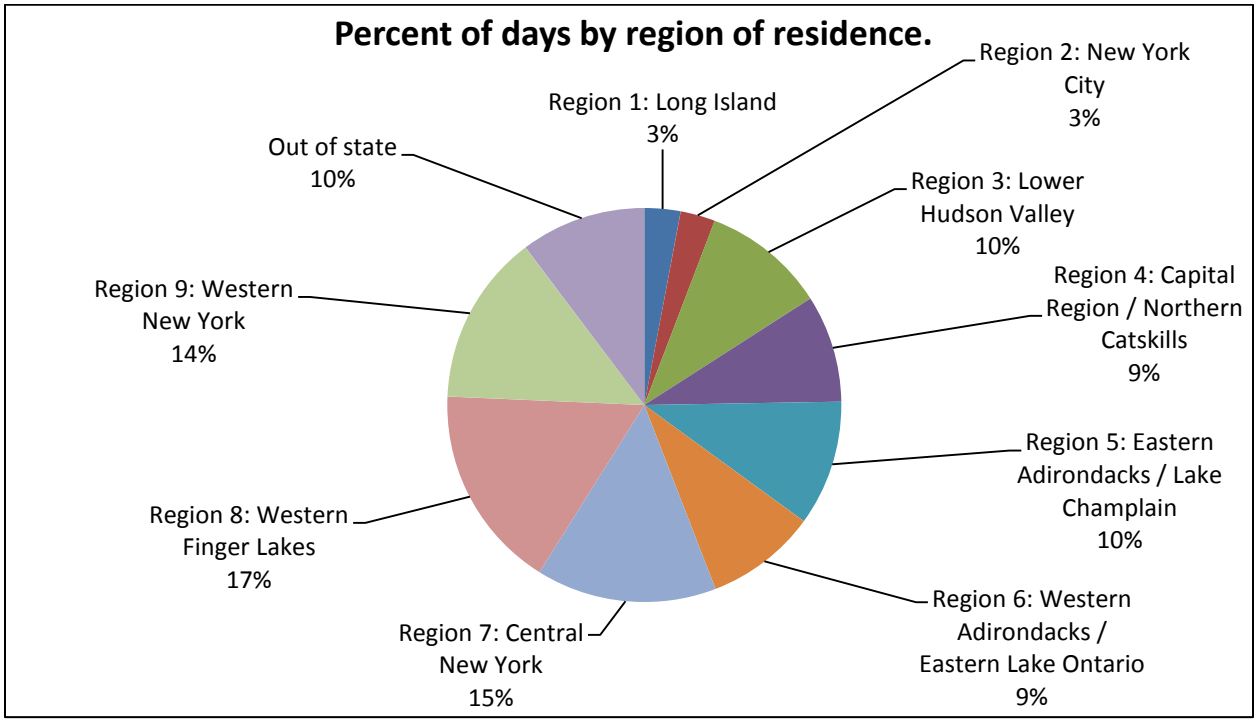


Figure 9. Percent of Days Fished by Region of Residence

SPECIFIC USE

Table 9 (shown on three pages) shows the number of days anglers spent fishing for each given species by the given method in 2017, as well as type of waterbody. It also includes the total days by species. In the survey, anglers were asked to name the primary species targeted, in cases where they could have fished for multiple species in the same waters at the same time. Figure 10 shows total days by fish species.

Table 9. Estimated Number of Angler Days, by Individual Species

Species	Estimated Days	Confidence Interval
Bass, largemouth (from shore)	1,645,884	71,344
Bass, largemouth (from a boat)	1,879,396	74,777
Bass, largemouth (ice fishing)	12,670	3,151
Bass, largemouth (lake/pond)	2,981,256	100,313
Bass, largemouth (river/stream)	408,063	32,648
Bass, largemouth (total)	3,537,950	107,131
Bass, smallmouth (from shore)	1,178,585	57,537
Bass, smallmouth (from a boat)	1,514,232	66,735
Bass, smallmouth (ice fishing)	6,721	1,960
Bass, smallmouth (lake/pond)	1,740,051	78,106
Bass, smallmouth (river/stream)	903,432	47,094
Bass, smallmouth (total)	2,699,538	91,064
Bass, striped (freshwater only) (from shore)	139,923	21,667
Bass, striped (freshwater only) (from a boat)	145,500	18,419
Bass, striped (freshwater only) (ice fishing)	0	NA
Bass, striped (freshwater only) (lake/pond)	10,366	3,704
Bass, striped (freshwater only) (river/stream)	263,575	29,174
Bass, striped (freshwater only) (total)	285,423	29,937
Bullhead (from shore)	148,082	15,147
Bullhead (from a boat)	12,453	3,082
Bullhead (ice fishing)	494	439
Bullhead (lake/pond)	117,495	13,436
Bullhead (river/stream)	40,232	7,568
Bullhead (total)	161,029	15,477
Carp (from shore)	168,119	30,022
Carp (from a boat)	7,298	3,071
Carp (ice fishing)	701	681
Carp (lake/pond)	106,593	27,949
Carp (river/stream)	61,632	11,139
Carp (total)	176,119	30,332
Catfish, channel (from shore)	115,435	18,710
Catfish, channel (from a boat)	22,948	6,185
Catfish, channel (ice fishing)	99	137
Catfish, channel (lake/pond)	42,252	8,717
Catfish, channel (river/stream)	94,538	17,768
Catfish, channel (total)	138,482	19,824
Crappie / calico bass (from shore)	140,334	21,033
Crappie / calico bass (from a boat)	151,406	18,974
Crappie / calico bass (ice fishing)	58,677	7,804
Crappie / calico bass (lake/pond)	323,131	31,370
Crappie / calico bass (river/stream)	19,394	4,762
Crappie / calico bass (total)	350,417	31,882

Table 9. Estimated Number of Angler Days, by Individual Species		
Species	**Estimated Days**	**Confidence Interval**
Muskie (from shore)	49,194	13,626
Muskie (from a boat)	92,261	14,800
Muskie (ice fishing)	0	NA
Muskie (lake/pond)	61,461	11,813
Muskie (river/stream)	79,265	16,826
Muskie (total)	141,455	20,555
Northern pike (from shore)	212,434	26,151
Northern pike (from a boat)	317,222	24,725
Northern pike (ice fishing)	96,391	9,312
Northern pike (lake/pond)	369,913	28,808
Northern pike (river/stream)	235,704	25,786
Northern pike (total)	626,047	39,403
Perch, yellow (from shore)	385,029	45,595
Perch, yellow (from a boat)	357,177	29,670
Perch, yellow (ice fishing)	316,012	25,708
Perch, yellow (lake/pond)	911,015	59,534
Perch, yellow (river/stream)	133,372	18,132
Perch, yellow (total)	1,058,219	62,310
Pickerel (from shore)	57,778	8,804
Pickerel (from a boat)	53,472	10,864
Pickerel (ice fishing)	16,628	3,816
Pickerel (lake/pond)	110,257	13,976
Pickerel (river/stream)	15,196	5,237
Pickerel (total)	127,878	14,972
Salmon, coho / Chinook (from shore)	240,013	17,905
Salmon, coho / Chinook (from a boat)	278,463	27,070
Salmon, coho / Chinook (ice fishing)	0	NA
Salmon, coho / Chinook (lake/pond)	306,857	28,191
Salmon, coho / Chinook (river/stream)	210,531	16,673
Salmon, coho / Chinook (total)	518,476	32,671
Salmon, landlocked Atlantic (from shore)	70,915	13,085
Salmon, landlocked Atlantic (from a boat)	127,998	22,360
Salmon, landlocked Atlantic (ice fishing)	5,635	2,303
Salmon, landlocked Atlantic (lake/pond)	164,161	25,770
Salmon, landlocked Atlantic (river/stream)	37,325	4,883
Salmon, landlocked Atlantic (total)	204,548	26,282
Steelhead (from shore)	604,490	38,962
Steelhead (from a boat)	42,080	8,746
Steelhead (ice fishing)	939	589
Steelhead (lake/pond)	101,432	16,382
Steelhead (river/stream)	542,215	36,666
Steelhead (total)	647,510	40,124
Sunfish (bluegill, pumpkinseed, redbreast, rock bass) (from shore)	396,053	25,679
Sunfish (bluegill, pumpkinseed, redbreast, rock bass) (from a boat)	103,284	15,914
Sunfish (bluegill, pumpkinseed, redbreast, rock bass) (ice fishing)	48,046	9,826
Sunfish (bluegill, pumpkinseed, redbreast, rock bass) (lake/pond)	452,922	31,184
Sunfish (bluegill, pumpkinseed, redbreast, rock bass) (river/stream)	78,242	9,535
Sunfish (bluegill, pumpkinseed, redbreast, rock bass) (total)	547,383	32,771

Table 9. Estimated Number of Angler Days, by Individual Species		
Species	**Estimated Days**	**Confidence Interval**
Tiger muskellunge (from shore)	9,770	3,825
Tiger muskellunge (from a boat)	15,467	2,903
Tiger muskellunge (ice fishing)	4,913	2,170
Tiger muskellunge (lake/pond)	28,036	5,314
Tiger muskellunge (river/stream)	2,114	1,434
Tiger muskellunge (total)	30,150	5,504
Trout, brook (from shore)	565,700	32,792
Trout, brook (from a boat)	113,024	14,719
Trout, brook (ice fishing)	2,764	1,019
Trout, brook (lake/pond)	143,475	14,157
Trout, brook (river/stream)	514,538	32,821
Trout, brook (total)	681,488	36,075
Trout, brown (from shore)	1,821,457	68,045
Trout, brown (from a boat)	286,766	31,725
Trout, brown (ice fishing)	12,886	2,818
Trout, brown (lake/pond)	403,665	35,747
Trout, brown (river/stream)	1,697,424	67,612
Trout, brown (total)	2,121,109	76,329
Trout, lake (from shore)	120,414	17,017
Trout, lake (from a boat)	347,783	26,994
Trout, lake (ice fishing)	44,872	6,586
Trout, lake (lake/pond)	460,288	31,559
Trout, lake (river/stream)	39,698	8,893
Trout, lake (total)	513,069	33,301
Trout, rainbow (from shore)	585,850	30,917
Trout, rainbow (from a boat)	168,402	23,637
Trout, rainbow (ice fishing)	7,674	2,025
Trout, rainbow (lake/pond)	264,825	26,387
Trout, rainbow (river/stream)	482,449	29,388
Trout, rainbow (total)	761,926	39,691
Walleye (from shore)	435,122	34,773
Walleye (from a boat)	1,048,639	55,910
Walleye (ice fishing)	140,686	14,911
Walleye (lake/pond)	1,190,373	61,356
Walleye (river/stream)	406,286	37,008
Walleye (total)	1,624,448	71,780
No specific preferred type (from shore)	1,242,579	56,503
No specific preferred type (from a boat)	492,188	33,637
No specific preferred type (ice fishing)	70,664	9,953
No specific preferred type (lake/pond)	1,127,346	57,424
No specific preferred type (river/stream)	597,177	42,885
No specific preferred type (total)	1,805,431	72,851

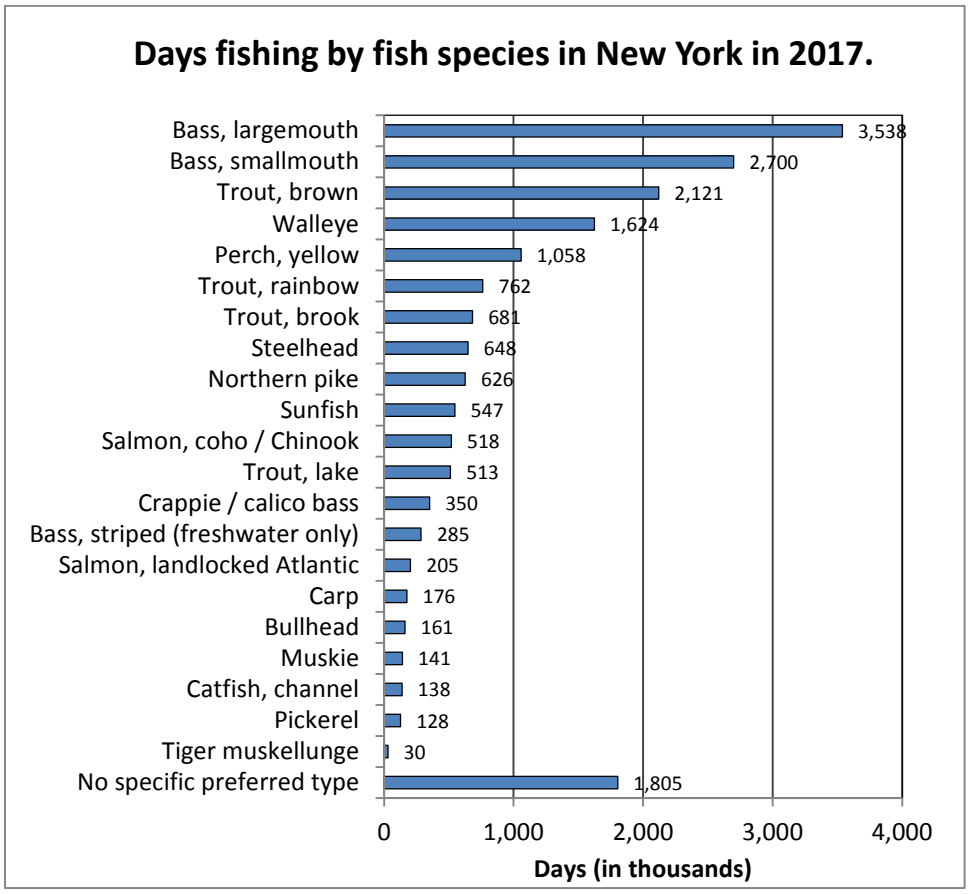


Figure 10. Total Days Fished in New York by Fish Species

Tables 10 through 23 show days fished for various species in each region (and the data for those whose region could not be determined). For regions that have Great Lakes waters (Regions 6 through 9), the tables include total days for each species and then days for each species categorized by Great Lakes and inland waters; the tables for these regions span two pages each.

Table 10. Estimated Number of Angler Days, by Individual Species, Fished in Region 1: Long Island

Species	Estimated Days	Confidence Interval
Bass, largemouth	187,105	25,480
Bass, smallmouth	8,465	3,107
Bass, striped (freshwater only)	9,951	5,124
Bullhead	592	635
Carp	7,422	2,905
Catfish, channel	573	454
Crappie / calico bass	667	555
Muskie	0	NA
Northern pike	0	NA
Perch, yellow	7,747	3,314
Pickerel	13,980	5,745
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	0	NA
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	17,609	6,219
Tiger muskellunge	0	NA
Trout, brook	19,797	7,277
Trout, brown	32,797	8,092
Trout, lake	0	NA
Trout, rainbow	31,206	8,110
Walleye	5,138	2,563
No specific preferred type	56,028	14,763

Table 11. Estimated Number of Angler Days, by Individual Species, Fished in Region 2: New York City		
Species	**Estimated Days**	**Confidence Interval**
Bass, largemouth	59,279	16,907
Bass, smallmouth	1,147	549
Bass, striped (freshwater only)	5,687	3,137
Bullhead	1,189	1,183
Carp	5,644	3,174
Catfish, channel	2,813	2,305
Crappie / calico bass	888	1,328
Muskie	0	NA
Northern pike	0	NA
Perch, yellow	608	790
Pickerel	449	460
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	0	NA
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	8,406	3,712
Tiger muskellunge	0	NA
Trout, brook	0	NA
Trout, brown	0	NA
Trout, lake	0	NA
Trout, rainbow	0	NA
Walleye	0	NA
No specific preferred type	18,807	6,678

Table 12. Estimated Number of Angler Days, by Individual Species, Fished in Region 3: Lower Hudson Valley		
Species	**Estimated Days**	**Confidence Interval**
Bass, largemouth	581,073	45,761
Bass, smallmouth	195,426	21,483
Bass, striped (freshwater only)	148,545	23,204
Bullhead	3,712	1,589
Carp	15,282	5,175
Catfish, channel	19,055	8,241
Crappie / calico bass	39,664	10,393
Muskie	4,069	3,724
Northern pike	1,086	1,503
Perch, yellow	34,609	11,235
Pickerel	15,727	4,006
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	468	556
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	61,767	13,359
Tiger muskellunge	589	354
Trout, brook	100,216	14,624
Trout, brown	535,850	37,078
Trout, lake	42,863	10,382
Trout, rainbow	152,603	16,514
Walleye	23,713	7,214
No specific preferred type	134,901	18,124

Table 13. Estimated Number of Angler Days, by Individual Species, Fished in Region 4: Capital Region / Northern Catskills

Species	Estimated Days	Confidence Interval
Bass, largemouth	307,763	33,517
Bass, smallmouth	223,939	25,579
Bass, striped (freshwater only)	78,798	12,803
Bullhead	10,404	4,561
Carp	12,744	4,617
Catfish, channel	14,980	4,725
Crappie / calico bass	16,403	4,508
Muskie	0	NA
Northern pike	16,450	4,867
Perch, yellow	48,794	13,578
Pickerel	16,699	5,714
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	0	NA
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	42,483	8,753
Tiger muskellunge	209	244
Trout, brook	79,044	16,171
Trout, brown	343,955	37,550
Trout, lake	16,960	4,549
Trout, rainbow	99,424	15,528
Walleye	78,998	15,612
No specific preferred type	121,069	19,578

Table 14. Estimated Number of Angler Days, by Individual Species, Fished in Region 5: Eastern Adirondacks / Lake Champlain

Species	Estimated Days	Confidence Interval
Bass, largemouth	681,123	48,065
Bass, smallmouth	613,876	46,310
Bass, striped (freshwater only)	0	NA
Bullhead	31,683	6,354
Carp	4,483	1,380
Catfish, channel	37,697	10,420
Crappie / calico bass	58,326	16,252
Muskie	5,331	2,075
Northern pike	157,144	17,449
Perch, yellow	180,436	25,786
Pickerel	23,429	5,608
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	51,286	8,238
Steelhead	300	197
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	72,965	12,635
Tiger muskellunge	3,472	2,373
Trout, brook	180,696	14,157
Trout, brown	280,691	28,721
Trout, lake	179,552	21,924
Trout, rainbow	112,047	12,117
Walleye	166,331	19,619
No specific preferred type	272,820	22,864

Table 15. Estimated Number of Angler Days, Overall, by Individual Species, Fished in Region 6: Western Adirondacks / Eastern Lake Ontario		
Species	**Estimated Days**	**Confidence Interval**
Total (Great Lakes and Inland)		
Bass, largemouth	229,172	20,735
Bass, smallmouth	476,991	37,724
Bass, striped (freshwater only)	0	NA
Bullhead	19,459	4,056
Carp	55,145	26,834
Catfish, channel	12,614	4,446
Crappie / calico bass	64,081	16,450
Muskie	32,693	9,659
Northern pike	203,213	22,020
Perch, yellow	162,685	19,681
Pickerel	12,217	6,723
Salmon, coho / Chinook	34,269	7,421
Salmon, landlocked Atlantic	5,961	3,319
Steelhead	15,010	7,691
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	59,178	11,475
Tiger muskellunge	2,306	976
Trout, brook	134,898	15,525
Trout, brown	78,206	9,604
Trout, lake	15,485	3,932
Trout, rainbow	70,924	17,976
Walleye	321,931	35,542
No specific preferred type	201,534	25,027

Table 16. Estimated Number of Angler Days, Great Lakes and Inland Waters, by Individual Species, Fished in Region 6: Western Adirondacks / Eastern Lake Ontario		
Species	**Estimated Days**	**Confidence Interval**
Great Lakes		
Bass, largemouth	56,585	9,181
Bass, smallmouth	291,427	33,555
Bass, striped (freshwater only)	0	NA
Bullhead	8,258	2,383
Carp	55,145	26,834
Catfish, channel	7,058	3,251
Crappie / calico bass	3,356	2,041
Muskie	7,965	2,395
Northern pike	116,957	17,510
Perch, yellow	106,062	15,877
Pickerel	694	810
Salmon, coho / Chinook	32,870	7,381
Salmon, landlocked Atlantic	3,615	2,310
Steelhead	15,010	7,691
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	13,608	3,205
Tiger muskellunge	0	NA
Trout, brook	0	NA
Trout, brown	5,271	2,647
Trout, lake	1,575	759
Trout, rainbow	1,958	1,422
Walleye	142,838	25,150
No specific preferred type	79,582	14,662
Inland Waters		
Bass, largemouth	172,587	18,615
Bass, smallmouth	185,565	17,376
Bass, striped (freshwater only)	0	NA
Bullhead	11,201	3,283
Carp	0	NA
Catfish, channel	5,556	3,034
Crappie / calico bass	60,725	16,324
Muskie	24,728	9,358
Northern pike	86,256	13,385
Perch, yellow	56,623	11,652
Pickerel	11,523	6,674
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	2,346	2,383
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	45,570	11,020
Tiger muskellunge	2,306	976
Trout, brook	134,688	15,523
Trout, brown	72,935	9,234
Trout, lake	13,910	3,858
Trout, rainbow	68,291	17,915
Walleye	179,093	25,159
No specific preferred type	217,904	24,248

Table 17. Estimated Number of Angler Days, Overall, by Individual Species, Fished in Region 7: Central New York		
Species	**Estimated Days**	**Confidence Interval**
Total (Great Lakes and Inland)		
Bass, largemouth	520,785	47,143
Bass, smallmouth	318,710	23,459
Bass, striped (freshwater only)	0	NA
Bullhead	33,596	7,180
Carp	17,371	4,810
Catfish, channel	20,529	10,752
Crappie / calico bass	53,184	7,772
Muskie	16,831	8,911
Northern pike	57,562	10,718
Perch, yellow	166,686	23,368
Pickerel	26,957	5,785
Salmon, coho / Chinook	223,670	19,412
Salmon, landlocked Atlantic	94,534	23,100
Steelhead	191,672	23,438
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	65,261	7,784
Tiger muskellunge	20,724	4,681
Trout, brook	68,362	14,190
Trout, brown	291,370	30,997
Trout, lake	71,177	11,224
Trout, rainbow	89,392	12,469
Walleye	433,523	38,120
No specific preferred type	333,424	34,251

Table 18. Estimated Number of Angler Days, Great Lakes and Inland Waters, by Individual Species, Fished in Region 7: Central New York		
Species	**Estimated Days**	**Confidence Interval**
Great Lakes		
Bass, largemouth	20,963	5,269
Bass, smallmouth	32,532	7,094
Bass, striped (freshwater only)	0	NA
Bullhead	7,168	2,539
Carp	0	NA
Catfish, channel	1,792	1,594
Crappie / calico bass	1,941	1,193
Muskie	0	NA
Northern pike	11,119	4,137
Perch, yellow	45,225	19,346
Pickerel	0	NA
Salmon, coho / Chinook	215,783	19,258
Salmon, landlocked Atlantic	32,809	10,580
Steelhead	176,946	23,106
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	4,481	1,750
Tiger muskellunge	0	NA
Trout, brook	3,197	1,120
Trout, brown	24,483	6,063
Trout, lake	8,084	2,642
Trout, rainbow	4,461	2,114
Walleye	25,504	6,825
No specific preferred type	71,689	14,737
Inland Waters		
Bass, largemouth	499,369	46,855
Bass, smallmouth	285,088	22,367
Bass, striped (freshwater only)	0	NA
Bullhead	26,427	6,717
Carp	17,371	4,810
Catfish, channel	18,737	10,633
Crappie / calico bass	50,853	7,671
Muskie	16,831	8,911
Northern pike	46,442	9,890
Perch, yellow	120,626	13,084
Pickerel	26,903	5,785
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	57,921	20,491
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	60,779	7,586
Tiger muskellunge	20,724	4,681
Trout, brook	64,610	14,138
Trout, brown	262,941	30,332
Trout, lake	62,248	10,881
Trout, rainbow	84,753	12,287
Walleye	407,155	37,513
No specific preferred type	408,975	34,853

Table 19. Estimated Number of Angler Days, Overall, by Individual Species, Fished in Region 8: Western Finger Lakes		
Species	**Estimated Days**	**Confidence Interval**
Total (Great Lakes and Inland)		
Bass, largemouth	556,120	42,059
Bass, smallmouth	361,005	40,078
Bass, striped (freshwater only)	0	NA
Bullhead	39,941	8,385
Carp	29,550	6,541
Catfish, channel	8,269	3,253
Crappie / calico bass	50,070	11,617
Muskie	9,484	4,038
Northern pike	109,914	21,780
Perch, yellow	276,257	40,484
Pickerel	13,460	5,481
Salmon, coho / Chinook	144,589	20,967
Salmon, landlocked Atlantic	19,843	5,145
Steelhead	120,522	20,745
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	99,212	14,172
Tiger muskellunge	992	712
Trout, brook	26,831	5,710
Trout, brown	300,382	25,546
Trout, lake	118,529	15,160
Trout, rainbow	103,422	14,811
Walleye	103,665	21,018
No specific preferred type	315,252	31,654

Table 20. Estimated Number of Angler Days, Great Lakes and Inland Waters, by Individual Species, Fished in Region 8: Western Finger Lakes		
Species	**Estimated Days**	**Confidence Interval**
Great Lakes		
Bass, largemouth	115,204	16,863
Bass, smallmouth	59,597	9,827
Bass, striped (freshwater only)	0	NA
Bullhead	9,976	3,932
Carp	1,966	1,237
Catfish, channel	2,334	1,509
Crappie / calico bass	10,319	3,798
Muskie	0	NA
Northern pike	13,483	4,086
Perch, yellow	149,021	36,177
Pickerel	0	NA
Salmon, coho / Chinook	134,654	20,573
Salmon, landlocked Atlantic	11,374	3,374
Steelhead	120,522	20,745
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	16,060	4,712
Tiger muskellunge	0	NA
Trout, brook	11,974	4,404
Trout, brown	141,375	17,751
Trout, lake	11,390	3,834
Trout, rainbow	15,619	5,460
Walleye	22,448	9,163
No specific preferred type	159,758	30,391
Inland Waters		
Bass, largemouth	440,917	38,588
Bass, smallmouth	301,408	38,875
Bass, striped (freshwater only)	0	NA
Bullhead	29,964	7,408
Carp	27,583	6,424
Catfish, channel	5,934	2,882
Crappie / calico bass	39,751	10,981
Muskie	9,484	4,038
Northern pike	95,943	21,391
Perch, yellow	126,930	18,212
Pickerel	13,460	5,481
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	8,469	3,886
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	83,152	13,370
Tiger muskellunge	992	712
Trout, brook	14,857	3,637
Trout, brown	159,007	18,424
Trout, lake	107,066	14,670
Trout, rainbow	87,803	13,773
Walleye	81,217	18,920
No specific preferred type	251,867	22,450

Table 21. Estimated Number of Angler Days, Overall, by Individual Species, Fished in Region 9: Western New York		
Species	**Estimated Days**	**Confidence Interval**
Total (Great Lakes and Inland)		
Bass, largemouth	337,563	30,247
Bass, smallmouth	409,877	34,923
Bass, striped (freshwater only)	0	NA
Bullhead	5,444	2,064
Carp	18,824	5,264
Catfish, channel	17,145	6,251
Crappie / calico bass	42,537	7,032
Muskie	68,992	14,556
Northern pike	42,637	7,444
Perch, yellow	139,128	17,732
Pickerel	841	682
Salmon, coho / Chinook	98,031	13,076
Salmon, landlocked Atlantic	18,821	5,637
Steelhead	264,528	21,738
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	82,525	11,482
Tiger muskellunge	1,681	1,053
Trout, brook	38,272	8,373
Trout, brown	193,351	21,670
Trout, lake	31,064	6,182
Trout, rainbow	79,041	11,472
Walleye	428,211	35,363
No specific preferred type	290,421	32,521

Table 22. Estimated Number of Angler Days, Great Lakes and Inland Waters, by Individual Species, Fished in Region 9: Western New York		
Species	**Estimated Days**	**Confidence Interval**
Great Lakes		
Bass, largemouth	80,994	11,466
Bass, smallmouth	309,817	30,866
Bass, striped (freshwater only)	0	NA
Bullhead	562	357
Carp	6,811	2,903
Catfish, channel	15,236	6,015
Crappie / calico bass	2,181	1,700
Muskie	21,429	6,881
Northern pike	13,882	4,470
Perch, yellow	87,731	15,774
Pickerel	85	126
Salmon, coho / Chinook	98,031	13,076
Salmon, landlocked Atlantic	18,821	5,637
Steelhead	264,528	21,738
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	15,443	5,905
Tiger muskellunge	1,073	1,007
Trout, brook	6,926	2,635
Trout, brown	61,440	12,381
Trout, lake	28,666	6,030
Trout, rainbow	29,843	6,971
Walleye	290,180	29,435
No specific preferred type	205,596	23,877
Inland Waters		
Bass, largemouth	255,810	28,015
Bass, smallmouth	100,059	16,421
Bass, striped (freshwater only)	0	NA
Bullhead	4,882	2,033
Carp	12,013	4,392
Catfish, channel	1,909	1,701
Crappie / calico bass	40,356	6,824
Muskie	47,563	12,831
Northern pike	28,755	5,956
Perch, yellow	51,397	8,126
Pickerel	757	670
Salmon, coho / Chinook	0	NA
Salmon, landlocked Atlantic	0	NA
Steelhead	0	NA
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	67,082	9,852
Tiger muskellunge	608	307
Trout, brook	31,000	7,938
Trout, brown	131,704	17,804
Trout, lake	2,333	1,363
Trout, rainbow	49,198	9,119
Walleye	137,411	19,679
No specific preferred type	185,861	25,279

Table 23. Estimated Number of Angler Days, by Individual Species, Fished in Unknown Region		
Species	**Estimated Days**	**Confidence Interval**
Bass, largemouth	77,967	12,930
Bass, smallmouth	90,101	22,956
Bass, striped (freshwater only)	33,883	12,076
Bullhead	15,011	5,692
Carp	9,655	6,241
Catfish, channel	4,810	2,634
Crappie / calico bass	24,595	10,544
Muskie	4,109	2,008
Northern pike	38,041	10,302
Perch, yellow	41,269	7,054
Pickerel	4,119	2,023
Salmon, coho / Chinook	16,607	5,622
Salmon, landlocked Atlantic	13,527	4,581
Steelhead	10,773	2,920
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	37,976	9,893
Tiger muskellunge	176	129
Trout, brook	33,372	6,688
Trout, brown	64,506	11,949
Trout, lake	36,240	10,228
Trout, rainbow	23,866	6,445
Walleye	62,938	12,300
No specific preferred type	61,175	10,455

Table 24 shows a breakdown of days fishing in Great Lakes and inland waters in those regions that have Great Lakes waters. Figure 11 shows the percentage breakdown of those waters.

Table 24. Estimated Number of Angler Days, by NYSDEC Region Fished, and for Great Lakes and Inland Waters

Region and Waters	Estimated Days	Confidence Interval
Region 6: Western Adirondacks / Eastern Lake Ontario		
Great Lakes	954,117	75,537
Inland waters	1,356,689	62,608
Region 7: Central New York		
Great Lakes	688,732	44,241
Inland waters	2,553,263	93,004
Region 8: Western Finger Lakes		
Great Lakes	1,026,323	67,429
Inland waters	1,929,880	82,740
Region 9: Western New York		
Great Lakes	1,560,220	66,567
Inland waters	1,181,460	56,896

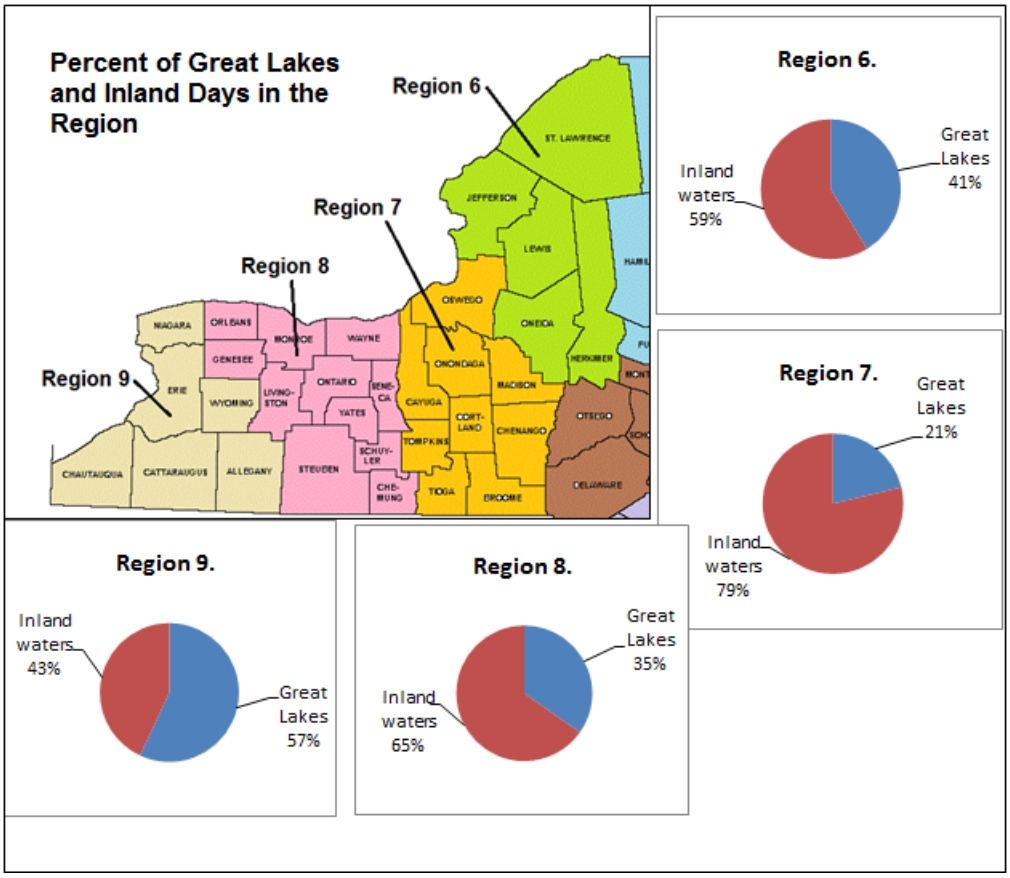


Figure 11. Percentages of Days in Great Lakes and Inland Waters

Table 25 presents a breakdown of days fished by ice fishing versus open waters for each DEC region (this table excludes the small number of days that could not be classified as either ice or open). Figure 12 shows the breakdown statewide (of days known to be either ice or open), and Figure 13 shows the percentage breakdown for each region.

Table 25. Estimated Number of Angler Days, by NYSDEC Region Fished, and for Ice Fishing and Open Waters

Region and Type of Fishing	Estimated Days	Confidence Interval
Statewide		
Ice fishing	894,301	38,832
Open waters	18,328,217	217,502
Region 1: Long Island		
Ice fishing	2,167	839
Open waters	418,303	35,003
Region 2: New York City		
Ice fishing	0	NA
Open waters	109,712	19,596
Region 3: Lower Hudson Valley		
Ice fishing	45,536	5,868
Open waters	2,178,004	79,833
Region 4: Capital Region / Northern Catskills		
Ice fishing	57,517	7,777
Open waters	1,527,956	71,364
Region 5: Eastern Adirondacks / Lake Champlain		
Ice fishing	237,262	16,281
Open waters	3,003,692	98,307
Region 6: Western Adirondacks / Eastern Lake Ontario		
Ice fishing	169,090	16,033
Open waters	2,145,069	90,941
Region 7: Central New York		
Ice fishing	155,983	22,736
Open waters	3,124,469	97,630
Region 8: Western Finger Lakes		
Ice fishing	116,418	16,458
Open waters	2,842,495	102,168
Region 9: Western New York		
Ice fishing	66,724	9,551
Open waters	2,681,157	85,023

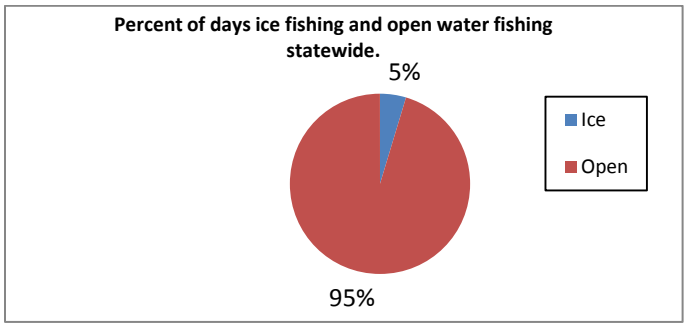


Figure 12. Percentage of Ice and Open Water Days Statewide

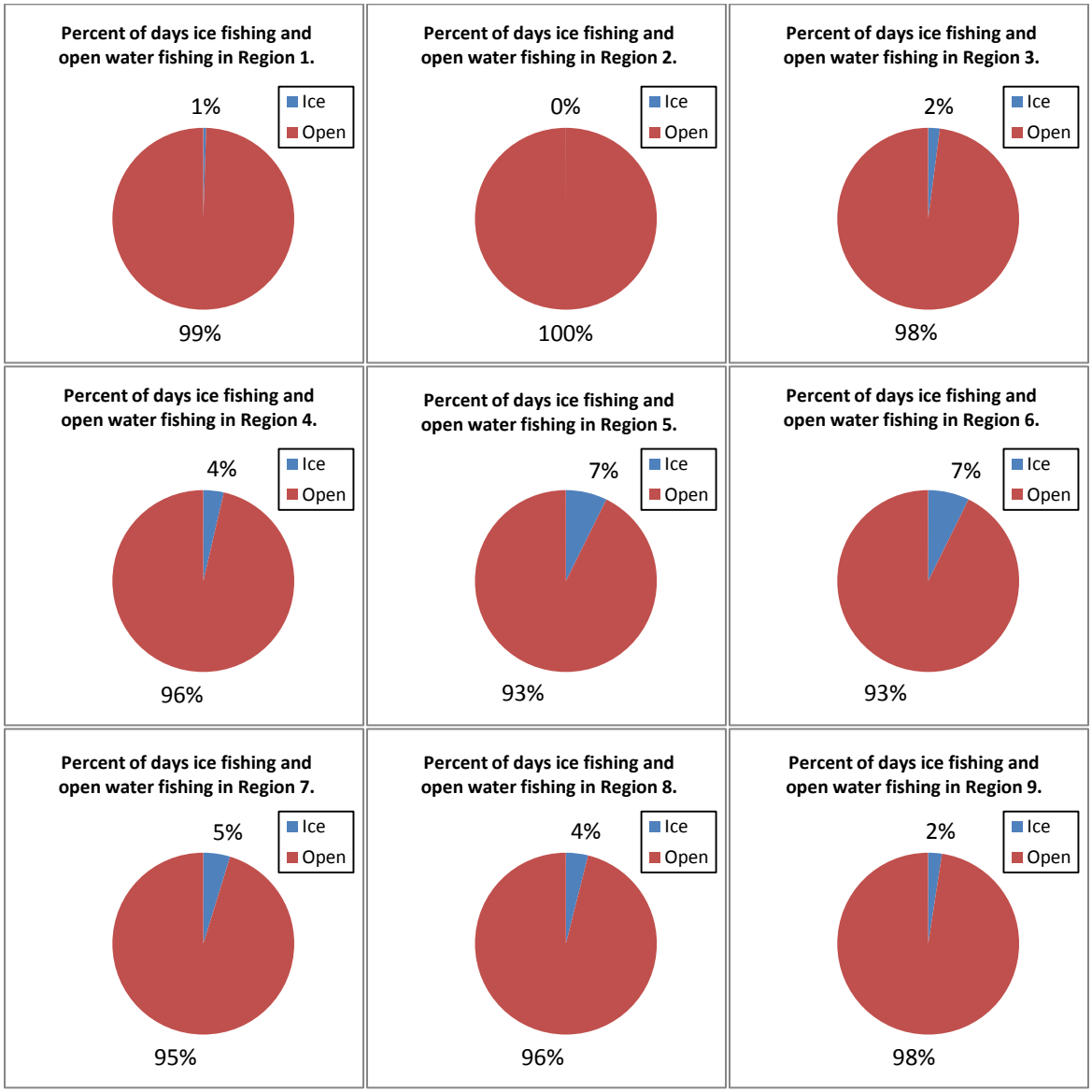


Figure 13. Percentages of Ice and Open Water Days in Each Region

Tables 26 through 34 show the regions of residence of those anglers fishing in each region, as well as the waterbody type fished in the region. Figures 14 through 22 show, for each region, the percentage breakdown of anglers fishing within their region of residence and anglers who are fishing in a region in which they do not reside.

Table 26. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 1: Long Island

Region of Residence and Waterbody Type	Estimated Days	Confidence Interval
Region of Residence		
Region 1: Long Island	380,919	31,219
Region 2: New York City	16,675	4,616
Region 3: Lower Hudson Valley	3,940	2,371
Region 4: Capital Region / Northern Catskills	127	98
Region 5: Eastern Adirondacks / Lake Champlain	3,493	3,715
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	1,231	705
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	0	NA
Out of State	14,083	7,518
Waterbody Type		
Inland Streams and Rivers	72,108	12,142
Inland Lakes and Ponds	280,395	30,041
Unknown	28,916	8,182

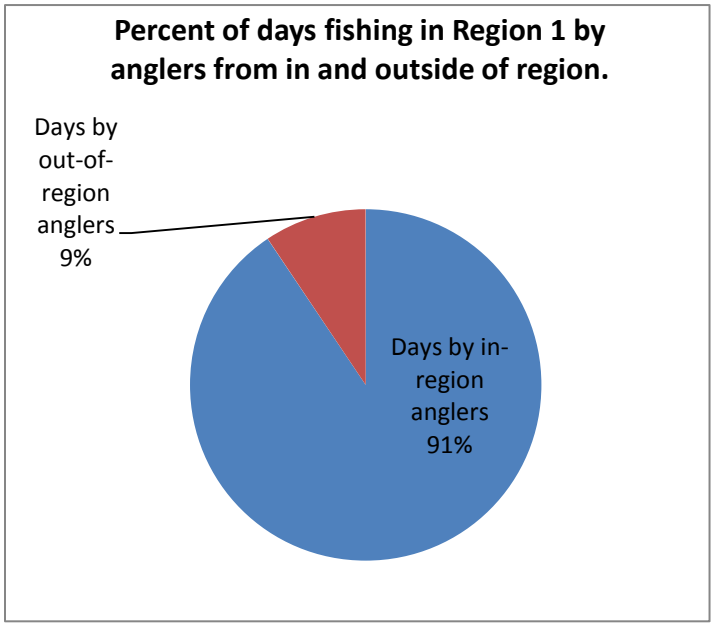


Figure 14. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 1

Table 27. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 2: New York City		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	2,551	3,235
Region 2: New York City	96,031	19,870
Region 3: Lower Hudson Valley	3,342	2,348
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	0	NA
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	0	NA
Out of State	7,788	3,683
Waterbody Type		
Inland Streams and Rivers	7,593	3,677
Inland Lakes and Ponds	86,363	18,060
Unknown	10,436	5,579

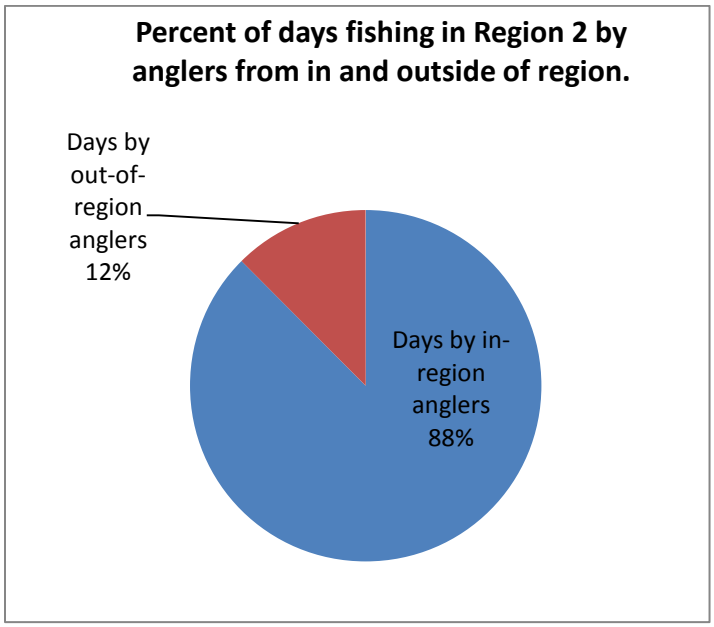


Figure 15. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 2

Table 28. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 3: Lower Hudson Valley		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	57,544	12,083
Region 2: New York City	212,760	22,543
Region 3: Lower Hudson Valley	1,609,876	64,407
Region 4: Capital Region / Northern Catskills	38,099	7,569
Region 5: Eastern Adirondacks / Lake Champlain	3,818	1,188
Region 6: Western Adirondacks / Eastern Lake Ontario	10,077	4,359
Region 7: Central New York	22,800	4,654
Region 8: Western Finger Lakes	13,527	3,022
Region 9: Western New York	13,020	7,641
Out of State	241,498	23,904
Waterbody Type		
Inland Streams and Rivers	1,000,386	48,661
Inland Lakes and Ponds	1,149,141	63,662
Unknown	68,055	14,682

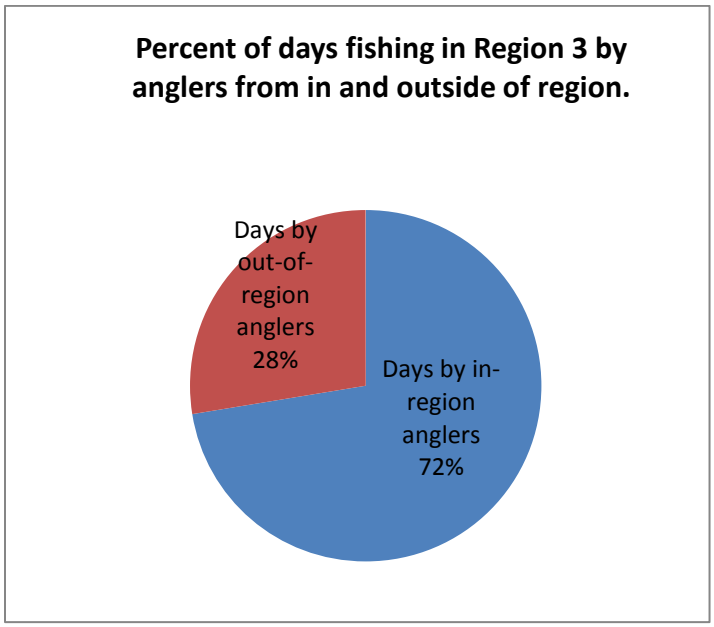


Figure 16. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 3

Table 29. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 4: Capital Region / Northern Catskills		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	49,830	13,697
Region 2: New York City	61,814	11,404
Region 3: Lower Hudson Valley	98,541	16,076
Region 4: Capital Region / Northern Catskills	950,792	52,385
Region 5: Eastern Adirondacks / Lake Champlain	95,894	14,006
Region 6: Western Adirondacks / Eastern Lake Ontario	45,866	11,942
Region 7: Central New York	50,465	8,770
Region 8: Western Finger Lakes	7,249	2,125
Region 9: Western New York	21,952	6,017
Out of State	202,582	26,126
Waterbody Type		
Inland Streams and Rivers	799,231	50,257
Inland Lakes and Ponds	718,561	49,670
Unknown	55,160	17,644

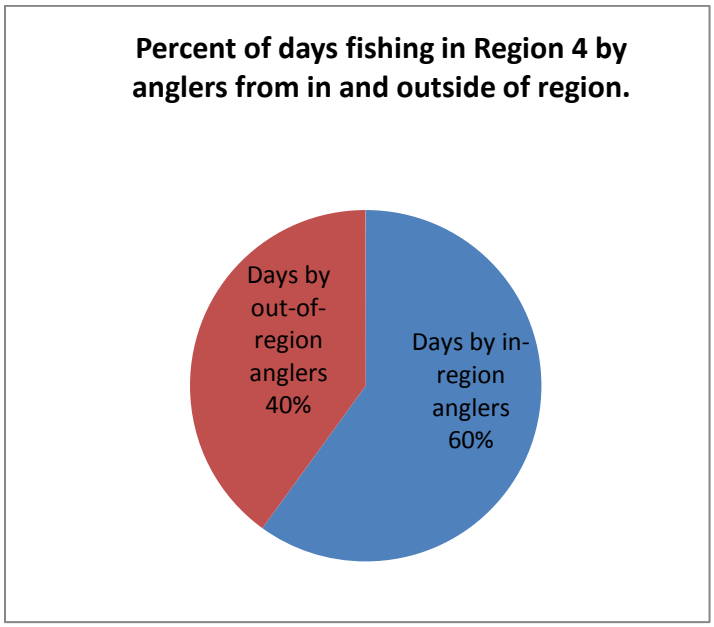


Figure 17. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 4

Table 30. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 5: Eastern Adirondacks / Lake Champlain		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	51,910	10,366
Region 2: New York City	64,106	12,985
Region 3: Lower Hudson Valley	106,611	13,288
Region 4: Capital Region / Northern Catskills	510,751	32,644
Region 5: Eastern Adirondacks / Lake Champlain	1,728,763	71,989
Region 6: Western Adirondacks / Eastern Lake Ontario	99,932	11,460
Region 7: Central New York	118,530	17,230
Region 8: Western Finger Lakes	88,990	10,329
Region 9: Western New York	54,146	8,888
Out of State	417,021	35,531
Waterbody Type		
Inland Streams and Rivers	739,356	39,934
Inland Lakes and Ponds	2,443,514	94,351
Unknown	55,921	16,897

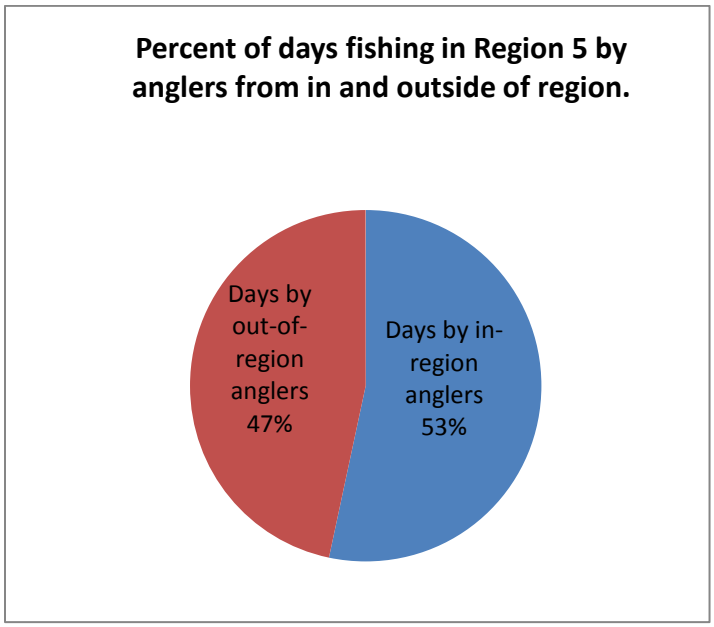


Figure 18. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 5

Table 31. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 6: Western Adirondacks / Eastern Lake Ontario		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	3,242	1,745
Region 2: New York City	8,665	3,448
Region 3: Lower Hudson Valley	19,451	4,709
Region 4: Capital Region / Northern Catskills	41,302	6,310
Region 5: Eastern Adirondacks / Lake Champlain	84,095	12,714
Region 6: Western Adirondacks / Eastern Lake Ontario	1,343,172	76,152
Region 7: Central New York	296,471	27,759
Region 8: Western Finger Lakes	221,743	24,923
Region 9: Western New York	66,489	8,931
Out of State	228,976	27,526
Waterbody Type		
Great Lakes (includes embayments and the St. Lawrence River)	853,401	72,886
Great Lakes Tributaries	100,716	20,024
Inland Streams and Rivers	432,908	27,915
Inland Lakes and Ponds	905,965	56,084
Unknown	20,003	5,698

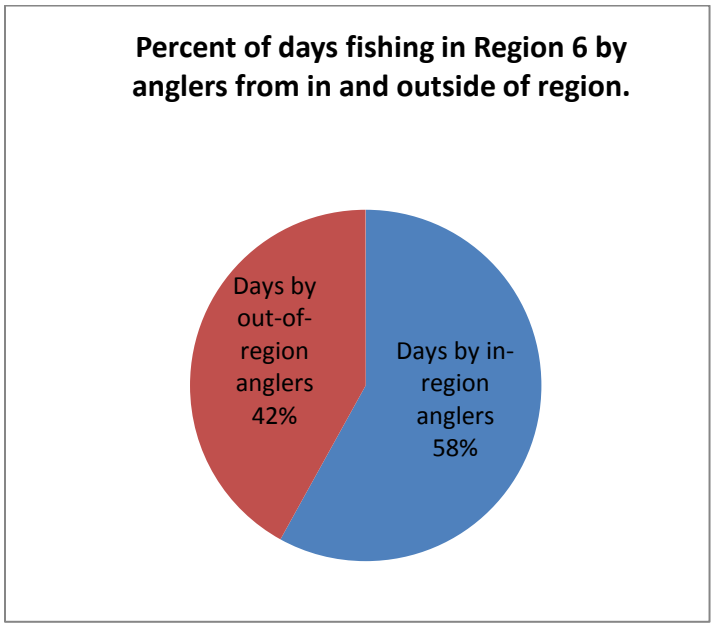


Figure 19. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 6

Table 32. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 7: Central New York		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	26,298	8,240
Region 2: New York City	37,219	8,255
Region 3: Lower Hudson Valley	55,161	9,059
Region 4: Capital Region / Northern Catskills	85,691	19,272
Region 5: Eastern Adirondacks / Lake Champlain	33,202	6,624
Region 6: Western Adirondacks / Eastern Lake Ontario	135,753	16,134
Region 7: Central New York	2,217,719	68,987
Region 8: Western Finger Lakes	273,885	45,265
Region 9: Western New York	22,182	4,401
Out of State	392,887	35,652
Waterbody Type		
Great Lakes	295,894	30,831
Great Lakes Tributaries	392,838	31,890
Inland Streams and Rivers	788,293	49,807
Inland Lakes and Ponds	1,680,268	78,313
Unknown	123,159	14,291

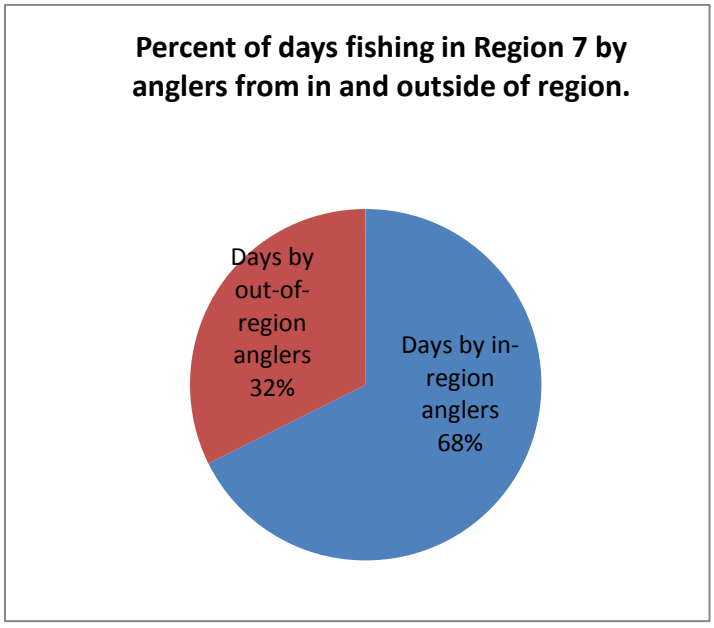


Figure 20. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 7

Table 33. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 8: Western Finger Lakes		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	718	487
Region 2: New York City	21,096	11,726
Region 3: Lower Hudson Valley	13,849	4,230
Region 4: Capital Region / Northern Catskills	12,910	2,878
Region 5: Eastern Adirondacks / Lake Champlain	7,602	2,156
Region 6: Western Adirondacks / Eastern Lake Ontario	22,117	3,418
Region 7: Central New York	98,004	14,475
Region 8: Western Finger Lakes	2,440,491	90,497
Region 9: Western New York	129,693	14,353
Out of State	210,926	29,595
Waterbody Type		
Great Lakes	754,329	62,733
Great Lakes Tributaries	271,994	25,086
Inland Streams and Rivers	557,405	40,532
Inland Lakes and Ponds	1,294,473	70,749
Unknown	80,712	16,584

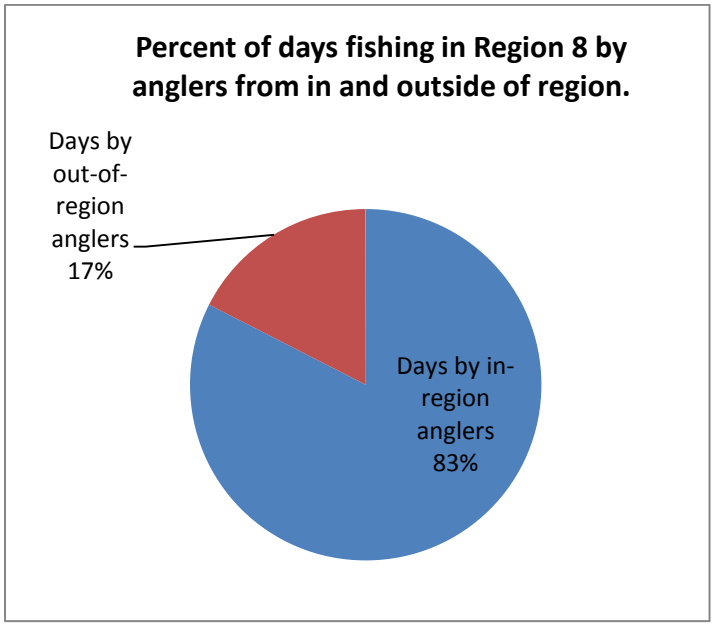


Figure 21. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 8

Table 34. Estimated Number of Angler Days, by Region of Residence and Waterbody Type, for Anglers Fishing in Region 9: Western New York		
Region of Residence and Waterbody Type	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	4,708	3,610
Region 2: New York City	20,917	10,138
Region 3: Lower Hudson Valley	5,182	1,491
Region 4: Capital Region / Northern Catskills	7,199	1,940
Region 5: Eastern Adirondacks / Lake Champlain	5,219	2,062
Region 6: Western Adirondacks / Eastern Lake Ontario	3,892	1,418
Region 7: Central New York	20,560	9,742
Region 8: Western Finger Lakes	97,463	13,686
Region 9: Western New York	2,386,999	70,255
Out of State	194,979	20,333
Waterbody Type		
Great Lakes	797,988	47,093
Niagara River (Upper and Lower)	419,271	40,225
Great Lakes Tributaries (excluding the Niagara)	342,960	25,723
Inland Streams and Rivers	408,835	35,112
Inland Lakes and Ponds	742,708	44,599
Unknown	36,119	6,926

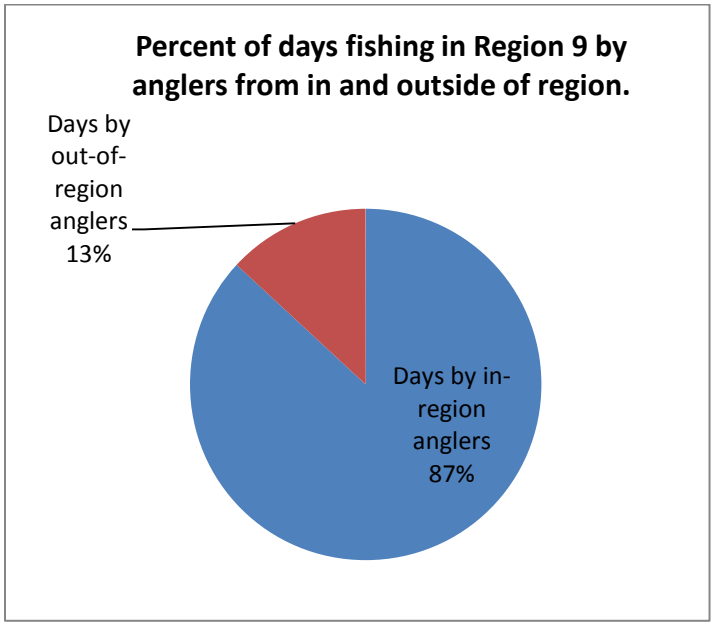


Figure 22. Percentages of Days Fished Among In-Region Anglers and Out-of-Region Anglers, Region 9

Table 35 shows estimated days fishing in each of the 80 waterbodies with the highest number of angler days. For the top 50 waterbodies in this table, detailed data are presented further on in the report.

Table 35. Estimated Number of Anglers and Angler Days, by Major Waterbodies

Rank	Waterbody	Estimated Days	Confidence Interval	Estimated Anglers	Confidence Interval
1	Lake Ontario	1,514,585	89,510	114,888	5,318
2	Lake Erie	659,487	43,911	50,373	3,715
3	Oneida Lake	648,947	49,120	47,190	3,605
4	St. Lawrence River	569,519	40,266	45,638	3,550
5	Lake Champlain	478,846	61,426	28,304	2,833
6	Cayuga Lake	359,547	47,995	29,646	2,896
7	Lake George	316,890	28,061	31,472	2,980
8	Lower Hudson River	313,618	30,687	30,627	2,942
9	Erie Canal	288,722	32,519	20,397	2,419
10	Salmon River	287,769	23,906	43,389	3,467
11	Upper Niagara River	270,725	36,290	16,688	2,194
12	Keuka Lake	248,131	32,018	21,009	2,454
13	Chautauqua Lake	243,987	26,298	22,189	2,520
14	Seneca Lake	223,777	34,686	17,790	2,264
15	Saratoga Lake	201,385	32,389	17,062	2,218
16	Great Sacandaga Lake	183,874	24,502	15,612	2,124
17	Conesus Lake	167,839	29,176	15,448	2,113
18	Mohawk River	160,232	20,135	17,484	2,245
19	Lower Niagara River	148,546	17,452	16,833	2,204
20	Susquehanna River	148,093	19,420	11,537	1,832
21	Black Lake (St. Lawrence County)	134,838	22,815	10,536	1,752
22	Canandaigua Lake	134,027	20,508	12,467	1,903
23	Delaware River, Lower West Branch	133,461	25,087	11,680	1,843
24	Cattaraugus Creek	123,245	14,414	15,397	2,110
25	Beaver Kill	120,813	14,569	17,205	2,227
26	Upper Hudson River	120,234	16,205	11,479	1,827
27	Irondequoit Creek	111,368	19,651	9,787	1,689
28	Eighteenmile Creek (Erie County)	92,812	12,519	9,093	1,629
29	Oswego River	92,538	20,930	7,502	1,481
30	Genesee River	86,680	16,176	8,842	1,607
31	Oak Orchard Creek	80,238	9,313	13,983	2,013
32	Batten Kill	78,875	16,487	7,066	1,438
33	Seneca River	77,289	22,626	5,767	1,301
34	Neversink River	76,151	12,540	7,277	1,459
35	Delaware River	75,432	12,734	8,356	1,562
36	Honeoye Lake	71,911	13,792	9,209	1,639
37	Chemung River	71,111	19,157	4,018	1,087
38	Eighteenmile Creek (Niagara County)	68,619	12,678	7,322	1,464
39	Oatka Creek	68,609	12,044	7,591	1,490
40	Delta Lake	68,055	13,214	6,978	1,429
41	Otisco Lake	67,563	11,508	8,811	1,604
42	Saranac River	67,323	14,071	5,302	1,247
43	Whitney Point Reservoir	64,911	11,639	6,782	1,409
44	West Canada Creek	64,163	9,809	7,278	1,459
45	Ashokan Reservoir	61,566	13,381	5,808	1,305
46	Willowemoc Creek	61,376	8,692	10,081	1,714
47	Skaneateles Lake	60,685	11,358	8,300	1,557
48	Otsego Lake	60,255	13,206	6,162	1,344
49	Raquette River	60,190	14,047	5,328	1,250
50	Ellicott Creek	60,057	17,779	2,807	909

Table 35. Estimated Number of Anglers and Angler Days, by Major Waterbodies					
Rank	**Waterbody**	**Estimated Days**	**Confidence Interval**	**Estimated Anglers**	**Confidence Interval**
51	Owasco Lake	59,883	12,451	5,744	1,298
52	Schroon Lake	58,062	11,659	6,491	1,379
53	Oneida River	56,182	11,429	4,339	1,129
54	Kensico Reservoir	55,521	12,550	4,574	1,159
55	West Branch Ausable River	54,703	7,814	10,753	1,769
56	Hudson River (unknown if Lower or Upper)	54,604	13,714	3,891	1,070
57	Schroon River	54,359	16,585	6,049	1,332
58	Allegheny River	53,748	13,635	4,193	1,110
59	Black River (Jefferson County)	52,355	14,318	4,171	1,107
60	Delaware River (Hancock)	52,231	14,312	5,122	1,226
61	Lamoka Lake	51,252	15,233	3,592	1,028
62	Onondaga Lake	50,229	9,514	5,827	1,307
63	Ninemile Creek	50,142	10,551	5,433	1,263
64	Upper Esopus Creek	48,984	8,298	7,211	1,453
65	Oswegatchie River	48,546	10,959	4,665	1,171
66	Lincoln Pond	47,906	21,164	3,078	952
67	Delaware River, Lower East Branch	47,291	8,440	6,866	1,418
68	Hemlock Lake (Livingston County)	46,281	9,019	6,023	1,329
69	Schoharie Creek	46,190	8,922	5,098	1,223
70	Cossayuna Lake	46,123	12,042	3,669	1,039
71	Hinckley Reservoir	46,003	14,354	2,247	814
72	Cranberry Pond (Monroe County)	45,540	33,261	1,503	666
73	Raquette Lake	44,766	8,517	5,203	1,236
74	Pepacton Reservoir	44,135	14,434	3,558	1,023
75	Chittenango Creek	43,604	12,194	3,649	1,036
76	Star Lake	43,409	17,175	1,226	602
77	Chenango River	42,610	11,102	3,718	1,046
78	Fulton Chain (unknown which one)	42,573	12,294	2,213	808
79	Canadarago Lake	42,319	14,845	5,360	1,254
80	Cranberry Lake (St. Lawrence County)	41,220	9,897	4,105	1,099

For each of the top 50 waterbodies in Table 35, data are shown in Tables 36 through 335 for the region of residence of the anglers fishing it, the breakdown of ice and open-water fishing in the waterbody, the estimated expenditures by anglers at the waterbody and at home/en route, the top species in that waterbody, the mean distance traveled, the satisfaction level for that waterbody, the economic impact of anglers who fish the waterbody, and the tax revenues generated by anglers fishing at the waterbody. The waterbodies are presented ranked by the number of angler days.

In these tables, the sum of the number of days from anglers in all of the regions and from out of state will not *exactly* match the total number of days because of a small number of days among anglers who could not be identified as residing in a particular region. In some cases, the sum of ice days and open days is slightly less than the total days because some days could not be identified as ice or open; these instances are marked with an asterisk and a note under the table.

Table 36. Lake Ontario—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	4,323	3,457
Region 2: New York City	5,769	3,355
Region 3: Lower Hudson Valley	19,828	8,014
Region 4: Capital Region / Northern Catskills	29,389	6,089
Region 5: Eastern Adirondacks / Lake Champlain	12,761	3,214
Region 6: Western Adirondacks / Eastern Lake Ontario	230,443	56,681
Region 7: Central New York	242,268	27,323
Region 8: Western Finger Lakes	650,952	51,202
Region 9: Western New York	128,724	16,666
Out of state	189,165	21,990
Type of Fishing		
Ice fishing	118,543	24,476
Open water	1,396,042	82,461
Total	1,514,585	89,510

Table 37. Lake Ontario—Expenditure Location	**Total (mean/day)**	**Confidence Interval**
At location	$40,136,335 ($26.50)	$2,357,198
At home and en route	$23,644,036 ($15.61)	$1,701,997

Table 38. Lake Ontario—Percent of Days	
Primary Species Fished For	**Percent of Days**
Salmon, coho / Chinook	21
Bass, smallmouth	16
Perch, yellow	14
No preference	9
Bass, largemouth	8
Steelhead	5
Trout, brown	5
Walleye	5
Salmon, landlocked Atlantic	4
Carp	3
Bullhead	2
Northern pike	2
Trout, lake	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 39. Lake Ontario—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	93.8
Percent of anglers fishing in this waterbody who are satisfied	63

Table 40. Lake Ontario—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$59,578,523	$91,990,580	$95,245,261	$246,814,364
Value Added	$17,889,182	$31,460,998	$30,708,835	$80,059,015
Labor Income	$9,459,797	$11,049,482	$12,054,657	$32,563,936
Employment (Jobs)	246	297	315	858
Indirect Effects				
Output	$15,150,402	$26,024,132	$25,784,446	$66,958,979
Value Added	$8,672,895	$14,913,805	$14,757,098	$38,343,798
Labor Income	$5,422,661	$9,351,058	$9,256,213	$24,029,932
Employment (Jobs)	87	161	156	404
Induced Effects				
Output	$10,343,938	$14,208,867	$14,833,439	$39,386,243
Value Added	$6,186,400	$8,498,439	$8,871,828	$23,556,667
Labor Income	$3,338,932	$4,586,633	$4,788,202	$12,713,766
Employment (Jobs)	75	104	108	287
Total Effects				
Output	$85,072,862	$132,223,579	$135,863,146	$353,159,586
Value Added	$32,748,477	$54,873,242	$54,337,762	$141,959,480
Labor Income	$18,221,390	$24,987,173	$26,099,072	$69,307,635
Employment (Jobs)	408	561	580	1,549

Table 41. Lake Ontario—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$7,287,104	$4,520,281	$11,807,385
State Resident (Non-County) Anglers	$18,549,342	$6,798,710	$25,348,052
Out of State Anglers	$16,573,081	$6,917,589	$23,490,671
All Anglers	$42,409,527	$18,236,581	$60,646,107

Table 42. Lake Erie—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	1,765	956
Region 3: Lower Hudson Valley	1,808	948
Region 4: Capital Region / Northern Catskills	1,870	733
Region 5: Eastern Adirondacks / Lake Champlain	844	440
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	1,485	997
Region 8: Western Finger Lakes	25,840	7,645
Region 9: Western New York	595,999	39,845
Out of state	29,599	11,054
Type of Fishing		
Ice fishing	16,121	4,029
Open water	643,367	42,849
Total	659,487	43,911

Table 43. Lake Erie—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$7,573,507 ($11.48)	$738,132
At home and en route	$7,841,286 ($11.89)	$1,920,161

Table 44. Lake Erie—Percent of Days	
Primary Species Fished For	**Percent of Days**
Walleye	44
Bass, smallmouth	20
No preference	10
Perch, yellow	9
Bass, largemouth	5
Steelhead	5
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 45. Lake Erie—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	48.9
Percent of anglers fishing in this waterbody who are satisfied	63

Table 46. Lake Erie—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$34,144,232	$34,989,009	$6,464,881	$75,598,123
Value Added	$17,525,125	$13,695,125	$2,475,142	$33,695,392
Labor Income	$12,343,095	$7,869,065	$1,442,184	$21,654,343
Employment (Jobs)	151	113	31	294
Indirect Effects				
Output	$8,018,645	$8,334,211	$1,754,882	$18,107,738
Value Added	$4,586,159	$4,788,467	$996,446	$10,371,072
Labor Income	$2,887,557	$2,984,221	$628,922	$6,500,700
Employment (Jobs)	50	50	11	111
Induced Effects				
Output	$11,826,595	$8,321,858	$1,579,409	$21,727,863
Value Added	$7,101,574	$4,994,601	$947,724	$13,043,899
Labor Income	$3,844,773	$2,704,830	$513,304	$7,062,906
Employment (Jobs)	85	60	11	157
Total Effects				
Output	$53,989,473	$51,645,078	$9,799,173	$115,433,724
Value Added	$29,212,858	$23,478,193	$4,419,312	$57,110,363
Labor Income	$19,075,425	$13,558,115	$2,584,409	$35,217,950
Employment (Jobs)	286	223	53	562

Table 47. Lake Erie—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$5,247,319	$4,327,497	$9,574,816
State Resident (Non-County) Anglers	$5,214,454	$3,299,626	$8,514,080
Out of State Anglers	$998,310	$632,751	$1,631,061
All Anglers	$11,460,083	$8,259,874	$19,719,957

Table 48. Oneida Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	678	918
Region 2: New York City	1,608	1,065
Region 3: Lower Hudson Valley	9,163	4,601
Region 4: Capital Region / Northern Catskills	6,210	2,161
Region 5: Eastern Adirondacks / Lake Champlain	10,549	4,359
Region 6: Western Adirondacks / Eastern Lake Ontario	122,727	17,398
Region 7: Central New York	421,559	40,188
Region 8: Western Finger Lakes	14,041	2,821
Region 9: Western New York	6,332	2,119
Out of state	55,987	15,242
Type of Fishing		
Ice fishing	65,920	9,121
Open water	583,027	44,788
Total	648,947	49,120

Table 49. Oneida Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$7,737,890 ($11.92)	$746,935
At home and en route	$6,699,882 ($10.32)	$1,102,516

Table 50. Oneida Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Walleye	60
No preference	11
Bass, smallmouth	9
Bass, largemouth	8
Perch, yellow	6
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 51. Oneida Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	65.3
Percent of anglers fishing in this waterbody who are satisfied	58

Table 52. Oneida Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$14,241,234	$67,690,942	$18,631,877	$100,564,053
Value Added	$5,816,201	$19,703,429	$6,802,166	$32,321,795
Labor Income	$3,087,514	$9,507,512	$3,159,965	$15,754,990
Employment (Jobs)	70	204	73	347
Indirect Effects				
Output	$3,653,984	$16,592,279	$4,858,586	$25,104,849
Value Added	$2,049,113	$9,327,173	$2,721,799	$14,098,086
Labor Income	$1,293,564	$5,885,807	$1,727,886	$8,907,257
Employment (Jobs)	23	97	30	150
Induced Effects				
Output	$3,066,279	$10,778,246	$3,424,281	$17,268,806
Value Added	$1,816,062	$6,383,679	$2,028,143	$10,227,884
Labor Income	$1,000,765	$3,517,790	$1,117,617	$5,636,172
Employment (Jobs)	22	77	25	124
Total Effects				
Output	$20,961,497	$95,061,466	$26,914,744	$142,937,707
Value Added	$9,681,376	$35,414,281	$11,552,108	$56,647,764
Labor Income	$5,381,843	$18,911,109	$6,005,468	$30,298,419
Employment (Jobs)	115	378	127	621

Table 53. Oneida Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$2,312,775	$1,321,411	$3,634,186
State Resident (Non-County) Anglers	$7,965,351	$4,701,521	$12,666,872
Out of State Anglers	$3,227,058	$1,522,830	$4,749,889
All Anglers	$13,505,184	$7,545,762	$21,050,947

Table 54. St. Lawrence River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	378	469
Region 2: New York City	3,687	2,404
Region 3: Lower Hudson Valley	3,733	1,593
Region 4: Capital Region / Northern Catskills	13,061	3,556
Region 5: Eastern Adirondacks / Lake Champlain	27,525	6,309
Region 6: Western Adirondacks / Eastern Lake Ontario	234,889	28,423
Region 7: Central New York	81,852	12,332
Region 8: Western Finger Lakes	104,196	17,971
Region 9: Western New York	28,883	5,623
Out of state	71,256	11,587
Type of Fishing		
Ice fishing	48,367	8,443
Open water	521,153	36,878
Total	569,519	40,266

Table 55. St. Lawrence River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$15,617,149 ($27.42)	$1,561,565
At home and en route	$12,765,828 ($22.42)	$4,357,579

Table 56. St. Lawrence River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	29
Northern pike	19
Walleye	17
No preference	11
Perch, yellow	10
Bass, largemouth	7
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 57. St. Lawrence River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	148.9
Percent of anglers fishing in this waterbody who are satisfied	64

Table 58. St. Lawrence River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$9,632,472	$26,855,045	$30,157,615	$66,645,132
Value Added	$3,911,141	$9,498,785	$11,498,870	$24,908,796
Labor Income	$1,739,048	$4,504,163	$4,894,116	$11,137,327
Employment (Jobs)	49	122	129	300
Indirect Effects				
Output	$1,594,563	$4,222,790	$4,913,939	$10,731,292
Value Added	$796,580	$2,109,511	$2,463,971	$5,370,062
Labor Income	$485,412	$1,269,881	$1,492,486	$3,247,779
Employment (Jobs)	11	30	35	76
Induced Effects				
Output	$1,019,139	$2,675,062	$2,962,130	$6,656,331
Value Added	$589,443	$1,547,389	$1,713,465	$3,850,297
Labor Income	$297,788	$781,451	$865,289	$1,944,527
Employment (Jobs)	8	20	23	51
Total Effects				
Output	$12,246,174	$33,752,897	$38,033,684	$84,032,755
Value Added	$5,297,164	$13,155,684	$15,676,306	$34,129,155
Labor Income	$2,522,248	$6,555,495	$7,251,891	$16,329,634
Employment (Jobs)	68	172	186	427

Table 59. St. Lawrence River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$1,843,585	$640,028	$2,483,614
State Resident (Non-County) Anglers	$3,993,752	$1,613,916	$5,607,667
Out of State Anglers	$5,634,179	$1,853,558	$7,487,737
All Anglers	$11,471,516	$4,107,502	$15,579,018

Table 60. Lake Champlain—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	739	727
Region 2: New York City	8,404	4,969
Region 3: Lower Hudson Valley	13,014	4,326
Region 4: Capital Region / Northern Catskills	26,129	5,679
Region 5: Eastern Adirondacks / Lake Champlain	346,748	54,035
Region 6: Western Adirondacks / Eastern Lake Ontario	300	277
Region 7: Central New York	15,746	5,454
Region 8: Western Finger Lakes	2,847	1,358
Region 9: Western New York	4,087	1,701
Out of state	60,790	12,946
Type of Fishing		
Ice fishing	48,427	10,191
Open water	430,419	58,341
Total	478,846	61,426

Table 61. Lake Champlain—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$7,561,259 ($15.79)	$1,142,525
At home and en route	$9,551,688 ($19.95)	$4,332,642

Table 62. Lake Champlain—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, largemouth	28
Bass, smallmouth	23
Perch, yellow	14
No preference	8
Northern pike	7
Trout, lake	7
Catfish, channel	4
Salmon, landlocked Atlantic	3
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	3
Crappie / calico bass	2
Walleye	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 63. Lake Champlain—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	103.9
Percent of anglers fishing in this waterbody who are satisfied	67

Table 64. Lake Champlain—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$16,529,891	$22,983,727	$21,844,685	$61,358,302
Value Added	$6,624,383	$8,827,775	$8,277,452	$23,729,610
Labor Income	$3,827,782	$4,770,207	$4,474,656	$13,072,644
Employment (Jobs)	104	98	109	311
Indirect Effects				
Output	$2,348,352	$3,152,395	$3,137,690	$8,638,437
Value Added	$1,222,919	$1,646,515	$1,617,939	$4,487,372
Labor Income	$759,158	$1,022,103	$1,016,573	$2,797,834
Employment (Jobs)	18	24	24	66
Induced Effects				
Output	$2,034,632	$2,573,219	$2,456,140	$7,063,991
Value Added	$1,188,339	$1,502,929	$1,434,654	$4,125,921
Labor Income	$610,364	$771,906	$736,672	$2,118,942
Employment (Jobs)	16	20	19	54
Total Effects				
Output	$20,912,875	$28,709,341	$27,438,515	$77,060,731
Value Added	$9,035,641	$11,977,218	$11,330,044	$32,342,903
Labor Income	$5,197,304	$6,564,216	$6,227,901	$17,989,421
Employment (Jobs)	137	142	152	431

Table 65. Lake Champlain—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$2,304,209	$1,193,785	$3,497,994
State Resident (Non-County) Anglers	$3,408,332	$1,532,602	$4,940,934
Out of State Anglers	$3,468,962	$1,446,565	$4,915,527
All Anglers	$9,181,503	$4,172,953	$13,354,456

Table 66. Cayuga Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	493	446
Region 2: New York City	4,209	2,442
Region 3: Lower Hudson Valley	2,005	1,000
Region 4: Capital Region / Northern Catskills	1,686	813
Region 5: Eastern Adirondacks / Lake Champlain	571	383
Region 6: Western Adirondacks / Eastern Lake Ontario	4,001	2,601
Region 7: Central New York	175,735	22,056
Region 8: Western Finger Lakes	141,990	40,150
Region 9: Western New York	6,107	4,018
Out of state	22,750	6,269
Type of Fishing		
Ice fishing	4,373	2,516
Open water	355,174	47,816
Total	359,547	47,995

Table 67. Cayuga Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$3,323,200 ($9.24)	$590,060
At home and en route	$3,777,440 ($10.51)	$1,874,503

Table 68. Cayuga Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, largemouth	32
Salmon, landlocked Atlantic	14
Trout, lake	11
No preference	11
Perch, yellow	10
Trout, brown	6
Bass, smallmouth	4
Trout, rainbow	3
Pickerel	2
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2
Carp	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 69. Cayuga Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	60.8
Percent of anglers fishing in this waterbody who are satisfied	53

Table 70. Cayuga Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$12,873,461	$16,904,254	$14,121,344	$43,899,059
Value Added	$4,211,265	$6,088,850	$4,651,286	$14,951,401
Labor Income	$2,312,486	$3,140,335	$2,518,678	$7,971,499
Employment (Jobs)	58	83	64	206
Indirect Effects				
Output	$1,896,230	$2,602,713	$2,072,359	$6,571,301
Value Added	$1,054,826	$1,455,036	$1,148,270	$3,658,132
Labor Income	$635,261	$886,783	$698,727	$2,220,771
Employment (Jobs)	12	17	13	43
Induced Effects				
Output	$1,229,380	$1,696,526	$1,380,134	$4,306,041
Value Added	$745,335	$1,028,665	$836,989	$2,610,990
Labor Income	$379,186	$523,306	$425,762	$1,328,254
Employment (Jobs)	10	13	11	33
Total Effects				
Output	$15,999,071	$21,203,493	$17,573,837	$54,776,401
Value Added	$6,011,426	$8,572,551	$6,636,545	$21,220,523
Labor Income	$3,326,933	$4,550,423	$3,643,167	$11,520,523
Employment (Jobs)	80	114	88	282

Table 71. Cayuga Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$1,598,238	$759,151	$2,357,389
State Resident (Non-County) Anglers	$2,459,092	$1,055,456	$3,514,548
Out of State Anglers	$1,734,882	$827,453	$2,562,334
All Anglers	$5,792,211	$2,642,060	$8,434,271

Table 72. Lake George—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	6,483	2,505
Region 2: New York City	1,948	1,036
Region 3: Lower Hudson Valley	27,822	7,730
Region 4: Capital Region / Northern Catskills	51,812	11,530
Region 5: Eastern Adirondacks / Lake Champlain	160,763	19,422
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	866	400
Region 8: Western Finger Lakes	4,697	2,507
Region 9: Western New York	0	NA
Out of state	62,475	11,114
Type of Fishing		
Ice fishing	50,122	6,892
Open water	266,768	25,928
Total	316,890	28,061

Table 73. Lake George—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$11,372,121 ($35.89)	$1,606,439
At home and en route	$5,277,928 ($16.66)	$756,731

Table 74. Lake George—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	26
Bass, largemouth	20
Trout, lake	19
Perch, yellow	14
No preference	9
Salmon, landlocked Atlantic	5
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 75. Lake George—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	110.4
Percent of anglers fishing in this waterbody who are satisfied	65

Table 76. Lake George—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,768,404	$45,898,330	$11,750,789	$60,417,522
Value Added	$1,101,486	$14,961,026	$4,132,562	$20,195,075
Labor Income	$666,229	$5,083,940	$1,786,692	$7,536,860
Employment (Jobs)	15	120	42	177
Indirect Effects				
Output	$590,745	$9,584,596	$2,329,255	$12,504,596
Value Added	$324,280	$5,297,298	$1,282,244	$6,903,822
Labor Income	$199,004	$3,266,323	$795,597	$4,260,924
Employment (Jobs)	4	69	17	90
Induced Effects				
Output	$397,557	$3,776,071	$1,187,389	$5,361,016
Value Added	$232,636	$2,209,375	$694,821	$3,136,832
Labor Income	$129,304	$1,228,253	$386,193	$1,743,751
Employment (Jobs)	3	30	9	43
Total Effects				
Output	$3,756,705	$59,258,997	$15,267,433	$78,283,135
Value Added	$1,658,402	$22,467,699	$6,109,628	$30,235,729
Labor Income	$994,537	$9,578,516	$2,968,482	$13,541,535
Employment (Jobs)	22	219	68	310

Table 77. Lake George—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$379,021	$211,796	$590,817
State Resident (Non-County) Anglers	$7,698,330	$2,370,838	$10,069,168
Out of State Anglers	$1,932,202	$691,597	$2,623,799
All Anglers	$10,009,553	$3,274,231	$13,283,785

Table 78. Lower Hudson River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	2,809	2,308
Region 2: New York City	13,060	7,997
Region 3: Lower Hudson Valley	179,998	25,261
Region 4: Capital Region / Northern Catskills	87,985	11,876
Region 5: Eastern Adirondacks / Lake Champlain	11,128	3,851
Region 6: Western Adirondacks / Eastern Lake Ontario	1,951	893
Region 7: Central New York	1,337	680
Region 8: Western Finger Lakes	213	181
Region 9: Western New York	0	NA
Out of state	15,030	4,498
Type of Fishing		
Ice fishing	334	397
Open water	313,284	30,660
Total	313,618	30,687

Table 79. Lower Hudson River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$3,752,780 ($11.97)	$770,976
At home and en route	$2,390,574 ($7.62)	$299,034

Table 80. Lower Hudson River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, striped (freshwater only)	67
Catfish, channel	9
No preference	9
Bass, largemouth	7
Bass, smallmouth	4
Carp	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 81. Lower Hudson River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	30.9
Percent of anglers fishing in this waterbody who are satisfied	51

Table 82. Lower Hudson River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$16,371,788	$10,480,857	$6,468,817	$33,321,462
Value Added	$6,071,947	$4,574,559	$2,765,776	$13,412,283
Labor Income	$3,689,405	$2,995,265	$1,289,376	$7,974,046
Employment (Jobs)	70	55	23	148
Indirect Effects				
Output	$4,009,493	$2,718,578	$1,860,333	$8,588,403
Value Added	$2,431,262	$1,646,527	$1,124,710	$5,202,500
Labor Income	$1,524,603	$1,020,284	$709,411	$3,254,297
Employment (Jobs)	22	15	11	49
Induced Effects				
Output	$2,930,471	$2,262,771	$1,127,514	$6,320,757
Value Added	$1,834,125	$1,416,316	$705,754	$3,956,194
Labor Income	$1,012,704	$781,993	$389,665	$2,184,362
Employment (Jobs)	20	15	8	43
Total Effects				
Output	$23,311,752	$15,462,206	$9,456,664	$48,230,623
Value Added	$10,337,334	$7,637,403	$4,596,240	$22,570,977
Labor Income	$6,226,711	$4,797,542	$2,388,452	$13,412,706
Employment (Jobs)	112	86	42	240

Table 83. Lower Hudson River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$2,073,771	$1,391,461	$3,465,232
State Resident (Non-County) Anglers	$1,485,502	$1,056,209	$2,541,711
Out of State Anglers	$1,448,525	$560,762	$2,009,287
All Anglers	$5,007,798	$3,008,432	$8,016,230

Table 84. Erie Canal—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	3,139	3,507
Region 3: Lower Hudson Valley	276	276
Region 4: Capital Region / Northern Catskills	1,549	793
Region 5: Eastern Adirondacks / Lake Champlain	3,963	1,880
Region 6: Western Adirondacks / Eastern Lake Ontario	46,477	9,286
Region 7: Central New York	42,354	14,509
Region 8: Western Finger Lakes	146,287	23,654
Region 9: Western New York	40,739	10,007
Out of state	3,900	4,356
Type of Fishing		
Ice fishing	246	216
Open water	288,476	32,515
Total	288,722	32,519

Table 85. Erie Canal—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$1,651,549 ($5.72)	$857,570
At home and en route	$732,141 ($2.54)	$123,196

Table 86. Erie Canal—Percent of Days	
Primary Species Fished For	**Percent of Days**
No preference	28
Bass, largemouth	22
Bass, smallmouth	11
Walleye	9
Carp	8
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	7
Catfish, channel	6
Northern pike	5

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 87. Erie Canal—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	14.9
Percent of anglers fishing in this waterbody who are satisfied	54

Table 88. Erie Canal—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$13,815,413	$9,693,800	$247,876	$23,757,089
Value Added	$4,615,490	$2,906,767	$101,548	$7,623,805
Labor Income	$2,772,447	$1,830,421	$51,434	$4,654,302
Employment (Jobs)	43	31	2	76
Indirect Effects				
Output	$3,314,334	$2,287,334	$75,581	$5,677,250
Value Added	$1,864,712	$1,284,274	$42,981	$3,191,967
Labor Income	$1,180,562	$812,015	$27,405	$2,019,983
Employment (Jobs)	19	13	0	32
Induced Effects				
Output	$2,992,214	$1,988,987	$58,996	$5,040,198
Value Added	$1,786,445	$1,187,276	$35,210	$3,008,931
Labor Income	$973,411	$646,987	$19,189	$1,639,586
Employment (Jobs)	21	14	0	36
Total Effects				
Output	$20,121,961	$13,970,122	$382,454	$34,474,536
Value Added	$8,266,646	$5,378,317	$179,739	$13,824,703
Labor Income	$4,926,421	$3,289,423	$98,028	$8,313,872
Employment (Jobs)	83	58	2	144

Table 89. Erie Canal—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$1,584,841	$1,174,219	$2,759,060
State Resident (Non-County) Anglers	$913,231	$780,329	$1,693,559
Out of State Anglers	$43,888	$24,625	$68,513
All Anglers	$2,541,959	$1,979,173	$4,521,132

Table 90. Salmon River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	12,690	6,830
Region 2: New York City	7,601	4,681
Region 3: Lower Hudson Valley	24,100	6,311
Region 4: Capital Region / Northern Catskills	21,106	6,996
Region 5: Eastern Adirondacks / Lake Champlain	12,334	3,639
Region 6: Western Adirondacks / Eastern Lake Ontario	15,826	3,446
Region 7: Central New York	72,379	15,132
Region 8: Western Finger Lakes	7,328	1,803
Region 9: Western New York	3,810	1,689
Out of state	110,558	12,668
Type of Fishing		
Ice fishing	2,147	2,014
Open water	285,623	22,955
Total	287,769	23,906

Table 91. Salmon River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$16,037,455 ($55.73)	$1,303,772
At home and en route	$9,485,849 ($32.96)	$941,854

Table 92. Salmon River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Steelhead	47
Salmon, coho / Chinook	42
Salmon, landlocked Atlantic	5

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 93. Salmon River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	186.5
Percent of anglers fishing in this waterbody who are satisfied	62

Table 94. Salmon River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,189,478	$26,939,532	$34,638,857	$62,767,867
Value Added	$504,849	$9,056,704	$12,433,332	$21,994,885
Labor Income	$240,466	$2,504,391	$4,350,844	$7,095,700
Employment (Jobs)	9	104	176	289
Indirect Effects				
Output	$149,359	$3,006,741	$4,069,651	$7,225,751
Value Added	$71,487	$1,454,116	$1,964,741	$3,490,344
Labor Income	$41,259	$871,617	$1,162,027	$2,074,903
Employment (Jobs)	1	28	37	66
Induced Effects				
Output	$95,560	$1,143,178	$1,864,827	$3,103,564
Value Added	$55,163	$659,906	$1,076,469	$1,791,538
Labor Income	$24,997	$299,048	$487,836	$811,881
Employment (Jobs)	1	9	15	25
Total Effects				
Output	$1,434,397	$31,089,451	$40,573,335	$73,097,182
Value Added	$631,499	$11,170,725	$15,474,542	$27,276,767
Labor Income	$306,721	$3,675,056	$6,000,707	$9,982,484
Employment (Jobs)	12	141	228	380

Table 95. Salmon River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$208,825	$75,370	$284,195
State Resident (Non-County) Anglers	$5,792,817	$1,104,677	$6,897,494
Out of State Anglers	$6,869,196	$1,649,202	$8,518,399
All Anglers	$12,870,838	$2,829,250	$15,700,088

Table 96. Upper Niagara River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	1,197	1,965
Region 3: Lower Hudson Valley	99	135
Region 4: Capital Region / Northern Catskills	561	363
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	1,053	587
Region 8: Western Finger Lakes	3,082	2,153
Region 9: Western New York	261,574	34,893
Out of state	3,149	1,761
Type of Fishing		
Ice fishing	0	NA
Open water	270,725	36,290
Total	270,725	36,290

Table 97. Upper Niagara River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$1,431,626 ($5.29)	$298,070
At home and en route	$670,713 ($2.48)	$103,777

Table 98. Upper Niagara River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	43
No preference	22
Bass, largemouth	11
Perch, yellow	10
Muskie	4
Walleye	4
Carp	2
Northern pike	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 99. Upper Niagara River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	24.1
Percent of anglers fishing in this waterbody who are satisfied	52

Table 100. Upper Niagara River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$6,495,191	$6,241,962	$1,793,761	$14,530,913
Value Added	$3,362,678	$2,902,476	$560,697	$6,825,851
Labor Income	$2,234,885	$1,953,853	$283,199	$4,471,937
Employment (Jobs)	26	27	4	57
Indirect Effects				
Output	$1,632,044	$1,516,542	$398,643	$3,547,229
Value Added	$967,000	$903,711	$237,409	$2,108,120
Labor Income	$616,794	$571,534	$147,964	$1,336,292
Employment (Jobs)	10	9	2	22
Induced Effects				
Output	$2,047,717	$1,797,828	$294,536	$4,140,081
Value Added	$1,253,788	$1,100,631	$180,192	$2,534,612
Labor Income	$686,086	$602,334	$98,658	$1,387,078
Employment (Jobs)	15	13	2	30
Total Effects				
Output	$10,174,951	$9,556,332	$2,486,941	$22,218,223
Value Added	$5,583,466	$4,906,818	$978,298	$11,468,583
Labor Income	$3,537,765	$3,127,721	$529,821	$7,195,307
Employment (Jobs)	51	49	9	109

Table 101. Upper Niagara River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$1,247,725	$801,514	$2,049,239
State Resident (Non-County) Anglers	$952,172	$708,323	$1,660,495
Out of State Anglers	$228,291	$131,314	$359,605
All Anglers	$2,428,188	$1,641,151	$4,069,339

Table 102. Keuka Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	44	66
Region 2: New York City	2,734	3,175
Region 3: Lower Hudson Valley	584	500
Region 4: Capital Region / Northern Catskills	3,943	1,592
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	225	196
Region 7: Central New York	9,168	2,933
Region 8: Western Finger Lakes	176,771	28,577
Region 9: Western New York	20,932	8,213
Out of state	33,717	9,968
Type of Fishing		
Ice fishing	7,341	2,710
Open water	240,791	31,040
Total	248,131	32,018

Table 103. Keuka Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$4,845,510 ($19.53)	$1,100,426
At home and en route	$2,838,789 ($11.44)	$614,079

Table 104. Keuka Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	33
Trout, lake	18
Bass, largemouth	17
No preference	10
Perch, yellow	9
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	5
Bullhead	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 105. Keuka Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	79.4
Percent of anglers fishing in this waterbody who are satisfied	66

Table 106. Keuka Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,802,104	$8,441,164	$10,004,115	$20,247,383
Value Added	$651,396	$3,348,968	$3,486,290	$7,486,654
Labor Income	$305,842	$1,977,245	$1,426,226	$3,709,312
Employment (Jobs)	15	51	42	107
Indirect Effects				
Output	$335,465	$1,355,805	$1,643,473	$3,334,743
Value Added	$189,256	$776,999	$927,196	$1,893,452
Labor Income	$133,016	$531,348	$651,233	$1,315,598
Employment (Jobs)	2	9	11	23
Induced Effects				
Output	$225,578	$1,166,361	$1,236,015	$2,627,954
Value Added	$131,169	$678,617	$718,673	$1,528,459
Labor Income	$65,929	$340,692	$361,271	$767,892
Employment (Jobs)	2	9	10	21
Total Effects				
Output	$2,363,146	$10,963,330	$12,883,604	$26,210,080
Value Added	$971,821	$4,804,584	$5,132,159	$10,908,564
Labor Income	$504,787	$2,849,285	$2,438,730	$5,792,802
Employment (Jobs)	19	69	63	150

Table 107. Keuka Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$316,665	$118,326	$434,992
State Resident (Non-County) Anglers	$1,224,140	$630,550	$1,854,690
Out of State Anglers	$1,817,456	$591,963	$2,409,419
All Anglers	$3,358,262	$1,340,839	$4,699,100

Table 108. Chautauqua Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	430	462
Region 3: Lower Hudson Valley	839	651
Region 4: Capital Region / Northern Catskills	2,329	1,548
Region 5: Eastern Adirondacks / Lake Champlain	772	597
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	1,382	828
Region 8: Western Finger Lakes	3,819	1,357
Region 9: Western New York	173,244	23,140
Out of state	61,021	12,629
Type of Fishing		
Ice fishing	29,885	7,741
Open water	214,102	23,160
Total	243,987	26,298

Table 109. Chautauqua Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$6,041,579 ($24.76)	$1,146,240
At home and en route	$3,346,761 ($13.72)	$558,367

Table 110. Chautauqua Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Walleye	33
Muskie	13
Perch, yellow	11
Bass, smallmouth	9
Crappie / calico bass	9
No preference	9
Bass, largemouth	8
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	7

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 111. Chautauqua Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	93.1
Percent of anglers fishing in this waterbody who are satisfied	51

Table 112. Chautauqua Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,790,337	$19,778,631	$29,911,117	$52,480,086
Value Added	$1,132,244	$8,235,829	$14,010,456	$23,378,529
Labor Income	$600,315	$3,501,747	$3,165,455	$7,267,517
Employment (Jobs)	15	87	80	182
Indirect Effects				
Output	$454,591	$3,078,930	$5,983,733	$9,517,255
Value Added	$225,064	$1,582,601	$3,064,989	$4,872,654
Labor Income	$136,046	$968,412	$1,923,213	$3,027,671
Employment (Jobs)	4	25	52	81
Induced Effects				
Output	$350,695	$2,155,090	$2,425,692	$4,931,478
Value Added	$200,547	$1,232,675	$1,387,169	$2,820,392
Labor Income	$103,062	$633,319	$712,861	$1,449,243
Employment (Jobs)	3	18	20	41
Total Effects				
Output	$3,595,623	$25,012,652	$38,320,542	$66,928,818
Value Added	$1,557,855	$11,051,105	$18,462,614	$31,071,574
Labor Income	$839,424	$5,103,478	$5,801,530	$11,744,431
Employment (Jobs)	22	131	152	305

Table 113. Chautauqua Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$470,941	$206,190	$677,131
State Resident (Non-County) Anglers	$4,104,818	$1,325,691	$5,430,509
Out of State Anglers	$10,770,786	$1,845,087	$12,615,873
All Anglers	$15,346,545	$3,376,968	$18,723,513

Table 114. Seneca Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	406	424
Region 2: New York City	1,230	1,013
Region 3: Lower Hudson Valley	733	971
Region 4: Capital Region / Northern Catskills	797	401
Region 5: Eastern Adirondacks / Lake Champlain	357	336
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	10,845	2,600
Region 8: Western Finger Lakes	157,605	28,010
Region 9: Western New York	5,962	2,076
Out of state	45,844	22,817
Type of Fishing		
Ice fishing	0	NA
Open water	223,777	34,686
Total	223,777	34,686

Table 115. Seneca Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$2,758,970 ($12.33)	$541,887
At home and en route	$1,810,027 ($8.09)	$418,819

Table 116. Seneca Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	24
Trout, lake	20
Bass, largemouth	13
Perch, yellow	13
No preference	8
Trout, rainbow	6
Salmon, landlocked Atlantic	5
Trout, brown	4
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2
Walleye	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 117. Seneca Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	61.4
Percent of anglers fishing in this waterbody who are satisfied	41

Table 118. Seneca Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$535,711	$10,394,897	$3,346,116	$14,276,724
Value Added	$240,032	$4,389,962	$1,302,347	$5,932,340
Labor Income	$179,995	$2,870,952	$659,301	$3,710,248
Employment (Jobs)	5	52	16	73
Indirect Effects				
Output	$91,701	$1,454,086	$549,007	$2,094,793
Value Added	$51,986	$834,883	$313,306	$1,200,175
Labor Income	$33,105	$514,399	$204,888	$752,392
Employment (Jobs)	1	9	4	13
Induced Effects				
Output	$87,859	$1,478,020	$369,095	$1,934,973
Value Added	$52,463	$883,096	$220,479	$1,156,037
Labor Income	$26,608	$447,784	$111,806	$586,198
Employment (Jobs)	1	11	3	15
Total Effects				
Output	$715,270	$13,327,002	$4,264,218	$18,306,490
Value Added	$344,480	$6,107,941	$1,836,132	$8,288,553
Labor Income	$239,708	$3,833,135	$975,995	$5,048,838
Employment (Jobs)	6	72	22	101

Table 119. Seneca Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$67,027	$49,786	$116,813
State Resident (Non-County) Anglers	$1,263,847	$811,840	$2,075,687
Out of State Anglers	$544,060	$224,715	$768,775
All Anglers	$1,874,934	$1,086,341	$2,961,275

Table 120. Saratoga Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	3,614	3,071
Region 2: New York City	2,675	2,313
Region 3: Lower Hudson Valley	2,094	959
Region 4: Capital Region / Northern Catskills	56,483	16,791
Region 5: Eastern Adirondacks / Lake Champlain	125,543	23,122
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	1,370	1,568
Region 8: Western Finger Lakes	486	362
Region 9: Western New York	0	NA
Out of state	9,084	7,061
Type of Fishing		
Ice fishing	16,554	4,476
Open water	184,831	30,089
Total	201,385	32,389

Table 121. Saratoga Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$2,045,823 ($10.16)	$492,047
At home and en route	$1,221,469 ($6.07)	$232,276

Table 122. Saratoga Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, largemouth	59
Walleye	18
Bass, smallmouth	5
No preference	4
Crappie / calico bass	3
Perch, yellow	3
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	3
Pickerel	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 123. Saratoga Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	29.8
Percent of anglers fishing in this waterbody who are satisfied	60

Table 124. Saratoga Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$7,517,886	$3,736,654	$1,713,927	$12,968,467
Value Added	$3,460,451	$1,818,441	$715,443	$5,994,335
Labor Income	$1,923,275	$1,045,418	$437,063	$3,405,756
Employment (Jobs)	53	26	12	91
Indirect Effects				
Output	$1,674,671	$807,754	$373,602	$2,856,026
Value Added	$961,935	$464,389	$214,735	$1,641,060
Labor Income	$582,520	$280,037	$130,881	$993,438
Employment (Jobs)	12	6	3	20
Induced Effects				
Output	$1,109,961	$584,026	$253,946	$1,947,933
Value Added	$662,691	$348,662	$151,635	$1,162,987
Labor Income	$324,371	$170,677	$74,210	$569,258
Employment (Jobs)	8	4	2	14
Total Effects				
Output	$10,302,518	$5,128,434	$2,341,475	$17,772,426
Value Added	$5,085,077	$2,631,493	$1,081,813	$8,798,382
Labor Income	$2,830,166	$1,496,132	$642,154	$4,968,452
Employment (Jobs)	73	36	16	125

Table 125. Saratoga Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$1,281,508	$669,779	$1,951,286
State Resident (Non-County) Anglers	$643,411	$351,875	$995,285
Out of State Anglers	$259,511	$147,863	$407,374
All Anglers	$2,184,429	$1,169,516	$3,353,945

Table 126. Great Sacandaga Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	1,938	1,221
Region 2: New York City	2,687	2,000
Region 3: Lower Hudson Valley	11,848	6,449
Region 4: Capital Region / Northern Catskills	69,749	13,824
Region 5: Eastern Adirondacks / Lake Champlain	81,201	14,881
Region 6: Western Adirondacks / Eastern Lake Ontario	1,355	940
Region 7: Central New York	834	784
Region 8: Western Finger Lakes	1,928	1,193
Region 9: Western New York	0	NA
Out of state	12,321	7,876
Type of Fishing		
Ice fishing	23,773	4,867
Open water	160,101	22,619
Total	183,874	24,502

Table 127. Great Sacandaga Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$2,412,389 ($13.12)	$540,775
At home and en route	$1,491,256 ($8.11)	$276,552

Table 128. Great Sacandaga Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Walleye	42
Bass, smallmouth	37
Northern pike	7
No preference	6
Bass, largemouth	3
Trout, rainbow	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 129. Great Sacandaga Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	58.6
Percent of anglers fishing in this waterbody who are satisfied	48

Table 130. Great Sacandaga Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,235,814	$13,863,085	$2,105,343	$17,204,242
Value Added	$458,057	$5,598,211	$714,803	$6,771,070
Labor Income	$217,075	$3,292,203	$270,715	$3,779,993
Employment (Jobs)	6	66	7	79
Indirect Effects				
Output	$256,179	$2,611,471	$425,928	$3,293,578
Value Added	$142,572	$1,463,264	$238,238	$1,844,074
Labor Income	$85,903	$884,594	$144,724	$1,115,220
Employment (Jobs)	2	18	3	22
Induced Effects				
Output	$135,725	$1,908,651	$184,444	$2,228,821
Value Added	$80,510	$1,132,468	$109,396	$1,322,374
Labor Income	$39,580	$556,564	$53,790	$649,934
Employment (Jobs)	1	14	1	16
Total Effects				
Output	$1,627,718	$18,383,207	$2,715,716	$22,726,641
Value Added	$681,138	$8,193,942	$1,062,437	$9,937,517
Labor Income	$342,559	$4,733,360	$469,228	$5,545,147
Employment (Jobs)	9	97	11	117

Table 131. Great Sacandaga Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$194,009	$84,301	$278,309
State Resident (Non-County) Anglers	$1,952,113	$1,091,830	$3,043,943
Out of State Anglers	$356,612	$122,812	$479,424
All Anglers	$2,502,734	$1,298,942	$3,801,676

Table 132. Conesus Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	806	1,140
Region 3: Lower Hudson Valley	2,298	2,478
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	1,161	677
Region 6: Western Adirondacks / Eastern Lake Ontario	3,177	1,560
Region 7: Central New York	1,984	1,104
Region 8: Western Finger Lakes	130,697	27,269
Region 9: Western New York	21,357	5,893
Out of state	6,256	5,213
Type of Fishing		
Ice fishing	12,318	4,131
Open water	155,521	27,060
Total	167,839	29,176

Table 133. Conesus Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$1,777,295 ($10.59)	$506,092
At home and en route	$1,649,898 ($9.83)	$350,235

Table 134. Conesus Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Northern pike	29
Bass, largemouth	26
Bass, smallmouth	20
No preference	10
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	5
Perch, yellow	4
Trout, rainbow	2
Walleye	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 135. Conesus Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	47.4
Percent of anglers fishing in this waterbody who are satisfied	61

Table 136. Conesus Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$3,752,104	$6,750,971	$2,151,017	$12,654,092
Value Added	$1,508,846	$3,281,699	$1,077,210	$5,867,755
Labor Income	$412,480	$1,707,022	$518,424	$2,637,926
Employment (Jobs)	9	43	13	65
Indirect Effects				
Output	$504,159	$910,760	$295,269	$1,710,188
Value Added	$251,325	$457,283	$148,348	$856,955
Labor Income	$163,358	$289,202	$93,947	$546,507
Employment (Jobs)	4	7	2	14
Induced Effects				
Output	$185,485	$663,507	$191,079	$1,040,071
Value Added	$104,095	$372,458	$107,207	$583,760
Labor Income	$49,510	$177,051	$51,020	$277,582
Employment (Jobs)	2	5	2	9
Total Effects				
Output	$4,441,748	$8,325,238	$2,637,365	$15,404,351
Value Added	$1,864,266	$4,111,440	$1,332,764	$7,308,470
Labor Income	$625,348	$2,173,275	$663,391	$3,462,015
Employment (Jobs)	15	55	17	88

Table 137. Conesus Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$901,286	$204,279	$1,105,565
State Resident (Non-County) Anglers	$1,249,047	$528,082	$1,777,129
Out of State Anglers	$470,210	$170,101	$640,311
All Anglers	$2,620,543	$902,461	$3,523,004

Table 138. Mohawk River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	97	126
Region 2: New York City	389	501
Region 3: Lower Hudson Valley	1,103	609
Region 4: Capital Region / Northern Catskills	77,789	13,856
Region 5: Eastern Adirondacks / Lake Champlain	43,415	8,950
Region 6: Western Adirondacks / Eastern Lake Ontario	32,463	7,541
Region 7: Central New York	670	748
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	327	382
Out of state	3,967	2,147
Type of Fishing		
Ice fishing	951	537
Open water	159,282	19,963
Total	160,232	20,135

Table 139. Mohawk River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$475,049 ($2.96)	$146,096
At home and en route	$3,579,297 ($22.34)	$3,539,153

Table 140. Mohawk River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	41
Walleye	18
Bass, largemouth	10
No preference	9
Catfish, channel	6
Trout, brown	6
Trout, rainbow	4
Northern pike	3
Perch, yellow	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 141. Mohawk River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	20.5
Percent of anglers fishing in this waterbody who are satisfied	47

Table 142. Mohawk River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$3,406,189	$6,983,731	$332,797	$10,722,716
Value Added	$1,586,808	$2,689,327	$122,567	$4,398,702
Labor Income	$1,122,689	$1,494,111	$50,284	$2,667,084
Employment (Jobs)	20	29	1	50
Indirect Effects				
Output	$769,282	$1,739,209	$83,460	$2,591,951
Value Added	$435,575	$985,048	$47,295	$1,467,918
Labor Income	$271,326	$631,674	$30,083	$933,083
Employment (Jobs)	5	11	1	16
Induced Effects				
Output	$980,378	$1,492,996	$56,340	$2,529,714
Value Added	$587,202	$894,200	$33,742	$1,515,143
Labor Income	$317,053	$482,825	$18,219	$818,098
Employment (Jobs)	7	10	0	18
Total Effects				
Output	$5,155,849	$10,215,935	$472,596	$15,844,381
Value Added	$2,609,585	$4,568,574	$203,603	$7,381,762
Labor Income	$1,711,069	$2,608,610	$98,587	$4,418,265
Employment (Jobs)	31	50	2	83

Table 143. Mohawk River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$447,288	$384,798	$832,086
State Resident (Non-County) Anglers	$1,019,797	$618,012	$1,637,809
Out of State Anglers	$67,317	$25,126	$92,444
All Anglers	$1,534,402	$1,027,936	$2,562,338

Table 144. Lower Niagara River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	2,188	2,543
Region 2: New York City	6,032	8,385
Region 3: Lower Hudson Valley	745	425
Region 4: Capital Region / Northern Catskills	346	214
Region 5: Eastern Adirondacks / Lake Champlain	1,604	1,379
Region 6: Western Adirondacks / Eastern Lake Ontario	1,030	556
Region 7: Central New York	156	115
Region 8: Western Finger Lakes	4,405	1,839
Region 9: Western New York	122,483	14,473
Out of state	9,518	2,630
Type of Fishing		
Ice fishing	0	NA
Open water	148,546	17,452
Total	148,546	17,452

Table 145. Lower Niagara River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$2,635,931 ($17.74)	$435,885
At home and en route	$1,559,241 ($10.50)	$272,479

Table 146. Lower Niagara River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Steelhead	34
Bass, smallmouth	20
Trout, lake	8
Salmon, coho / Chinook	8
Muskie	6
Walleye	5
Trout, rainbow	5
No preference	5
Bass, largemouth	3
Trout, brown	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 147. Lower Niagara River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	71.2
Percent of anglers fishing in this waterbody who are satisfied	63

Table 148. Lower Niagara River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$4,545,476	$4,535,302	$2,569,815	$11,650,593
Value Added	$2,044,324	$1,763,005	$944,186	$4,751,514
Labor Income	$969,813	$855,453	$363,470	$2,188,736
Employment (Jobs)	23	24	12	59
Indirect Effects				
Output	$482,359	$542,127	$305,898	$1,330,384
Value Added	$265,527	$290,046	$165,195	$720,767
Labor Income	$163,400	$178,395	$102,476	$444,270
Employment (Jobs)	4	5	3	11
Induced Effects				
Output	$414,771	$384,966	$174,694	$974,432
Value Added	$244,207	$226,698	$102,880	$573,785
Labor Income	$123,062	$114,191	$51,814	$289,068
Employment (Jobs)	3	3	1	8
Total Effects				
Output	$5,442,606	$5,462,395	$3,050,407	$13,955,409
Value Added	$2,554,057	$2,279,749	$1,212,261	$6,046,067
Labor Income	$1,256,275	$1,148,039	$517,760	$2,922,074
Employment (Jobs)	30	32	16	78

Table 149. Lower Niagara River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$833,012	$298,517	$1,131,529
State Resident (Non-County) Anglers	$693,686	$269,236	$962,922
Out of State Anglers	$432,586	$128,646	$561,232
All Anglers	$1,959,284	$696,400	$2,655,684

Table 150. Susquehanna River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	5,538	3,868
Region 2: New York City	2,262	2,178
Region 3: Lower Hudson Valley	1,471	1,575
Region 4: Capital Region / Northern Catskills	21,646	9,122
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	94,899	13,547
Region 8: Western Finger Lakes	2,733	1,368
Region 9: Western New York	393	459
Out of state	19,057	7,821
Type of Fishing		
Ice fishing	834	433
Open water	147,259	19,233
Total	148,093	19,420

Table 151. Susquehanna River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$667,920 ($4.51)	$616,812
At home and en route	$685,791 ($4.63)	$568,657

Table 152. Susquehanna River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	42
Walleye	17
No preference	15
Muskie	10
Catfish, channel	4
Bass, largemouth	3
Northern pike	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 153. Susquehanna River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	36.6
Percent of anglers fishing in this waterbody who are satisfied	43

Table 154. Susquehanna River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,294,872	$1,399,170	$1,191,677	$4,885,719
Value Added	$1,102,065	$552,278	$499,410	$2,153,753
Labor Income	$606,090	$287,377	$275,702	$1,169,168
Employment (Jobs)	18	8	8	34
Indirect Effects				
Output	$479,596	$280,781	$247,722	$1,008,099
Value Added	$245,839	$143,942	$126,715	$516,496
Labor Income	$141,037	$83,433	$73,242	$297,712
Employment (Jobs)	3	2	2	7
Induced Effects				
Output	$442,483	$220,422	$207,203	$870,108
Value Added	$255,365	$127,217	$119,586	$502,168
Labor Income	$127,756	$63,636	$59,821	$251,213
Employment (Jobs)	3	2	2	6
Total Effects				
Output	$3,216,950	$1,900,373	$1,646,602	$6,763,926
Value Added	$1,603,269	$823,437	$745,711	$3,172,417
Labor Income	$874,883	$434,446	$408,765	$1,718,094
Employment (Jobs)	24	11	12	47

Table 155. Susquehanna River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$420,012	$215,238	$635,249
State Resident (Non-County) Anglers	$238,160	$108,147	$346,307
Out of State Anglers	$193,329	$100,150	$293,478
All Anglers	$851,501	$423,534	$1,275,035

Table 156. Black Lake, St Lawrence County—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	2,042	1,186
Region 5: Eastern Adirondacks / Lake Champlain	8,183	5,459
Region 6: Western Adirondacks / Eastern Lake Ontario	32,409	9,762
Region 7: Central New York	22,625	9,465
Region 8: Western Finger Lakes	20,757	9,564
Region 9: Western New York	12,404	3,882
Out of state	36,419	15,436
Type of Fishing		
Ice fishing	10,692	3,935
Open water	124,146	21,054
Total	134,838	22,815

Table 157. Black Lake, St Lawrence County—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$4,207,127 ($31.20)	$895,734
At home and en route	$3,239,979 ($24.03)	$1,206,874

Table 158. Black Lake, St Lawrence County—Percent of Days	
Primary Species Fished For	**Percent of Days**
Crappie / calico bass	29
Northern pike	20
Bass, largemouth	19
Bass, smallmouth	9
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	8
Walleye	5
No preference	5
Catfish, channel	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 159. Black Lake, St Lawrence County—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	156.0
Percent of anglers fishing in this waterbody who are satisfied	79

Table 160. Black Lake (St. Lawrence County)—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$816,690	$6,867,074	$5,126,472	$12,810,236
Value Added	$371,113	$2,417,012	$1,917,221	$4,705,345
Labor Income	$125,750	$635,593	$482,768	$1,244,111
Employment (Jobs)	5	28	20	53
Indirect Effects				
Output	$158,333	$1,277,014	$961,027	$2,396,374
Value Added	$78,698	$627,837	$474,298	$1,180,833
Labor Income	$49,466	$396,965	$300,332	$746,762
Employment (Jobs)	1	9	7	17
Induced Effects				
Output	$80,043	$472,116	$357,861	$910,020
Value Added	$46,550	$274,567	$208,118	$529,235
Labor Income	$23,222	$136,965	$103,821	$264,007
Employment (Jobs)	1	4	3	7
Total Effects				
Output	$1,055,066	$8,616,204	$6,445,361	$16,116,631
Value Added	$496,360	$3,319,417	$2,599,637	$6,415,414
Labor Income	$198,438	$1,169,522	$886,920	$2,254,880
Employment (Jobs)	7	41	30	77

Table 161. Black Lake (St. Lawrence County)—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$227,818	$53,489	$281,307
State Resident (Non-County) Anglers	$1,488,213	$333,047	$1,821,259
Out of State Anglers	$1,237,843	$256,581	$1,494,424
All Anglers	$2,953,874	$643,117	$3,596,991

Table 162. Canandaigua Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	3,064	2,819
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	566	656
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	516	317
Region 8: Western Finger Lakes	123,398	19,264
Region 9: Western New York	2,505	1,252
Out of state	3,938	5,170
Type of Fishing		
Ice fishing	1,238	680
Open water	132,789	20,494
Total	134,027	20,508

Table 163. Canandaigua Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$972,910 ($7.26)	$187,444
At home and en route	$943,034 ($7.04)	$170,445

Table 164. Canandaigua Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Perch, yellow	20
No preference	17
Trout, lake	16
Bass, largemouth	16
Bass, smallmouth	14
Northern pike	5
Crappie / calico bass	3
Trout, brown	3
Trout, rainbow	3
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 165. Canandaigua Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	31.0
Percent of anglers fishing in this waterbody who are satisfied	54

Table 166. Canandaigua Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$6,564,502	$11,884,092	$963,470	$19,412,064
Value Added	$2,239,867	$4,441,303	$384,991	$7,066,161
Labor Income	$1,478,088	$2,830,008	$194,235	$4,502,330
Employment (Jobs)	33	60	5	99
Indirect Effects				
Output	$954,873	$1,816,550	$162,704	$2,934,127
Value Added	$535,578	$1,020,349	$90,347	$1,646,274
Labor Income	$339,331	$644,497	$57,936	$1,041,764
Employment (Jobs)	6	12	1	20
Induced Effects				
Output	$784,759	$1,542,515	$112,409	$2,439,682
Value Added	$457,047	$898,613	$65,488	$1,421,149
Labor Income	$232,071	$456,073	$33,235	$721,379
Employment (Jobs)	6	12	1	19
Total Effects				
Output	$8,304,134	$15,243,156	$1,238,583	$24,785,874
Value Added	$3,232,492	$6,360,266	$540,825	$10,133,583
Labor Income	$2,049,490	$3,930,578	$285,406	$6,265,473
Employment (Jobs)	46	85	7	137

Table 167. Canandaigua Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$654,130	$456,805	$1,110,935
State Resident (Non-County) Anglers	$1,392,350	$876,666	$2,269,016
Out of State Anglers	$166,191	$67,933	$234,124
All Anglers	$2,212,671	$1,401,405	$3,614,075

Table 168. Delaware River, Lower West Branch—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	9,852	9,415
Region 2: New York City	9,790	4,815
Region 3: Lower Hudson Valley	7,076	2,722
Region 4: Capital Region / Northern Catskills	25,734	17,120
Region 5: Eastern Adirondacks / Lake Champlain	296	216
Region 6: Western Adirondacks / Eastern Lake Ontario	2,089	1,552
Region 7: Central New York	21,927	5,960
Region 8: Western Finger Lakes	3,559	1,627
Region 9: Western New York	1,510	837
Out of state	51,626	12,317
Type of Fishing		
Ice fishing	0	NA
Open water	133,461	25,087
Total	133,461	25,087

Table 169. Delaware River, Lower West Branch—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$5,173,075 ($38.76)	$913,965
At home and en route	$2,520,090 ($18.88)	$619,552

Table 170. Delaware River, Lower West Branch—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	85
Trout, rainbow	13
Trout, brook	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 171. Delaware River, Lower West Branch—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	140.0
Percent of anglers fishing in this waterbody who are satisfied	74

Table 172. Delaware River, Lower West Branch—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$579,642	$35,374,061	$11,972,732	$47,926,434
Value Added	$287,778	$16,511,843	$4,981,786	$21,781,408
Labor Income	$70,390	$2,322,540	$2,130,305	$4,523,235
Employment (Jobs)	2	55	57	115
Indirect Effects				
Output	$176,625	$10,699,279	$2,764,559	$13,640,463
Value Added	$92,937	$5,657,880	$1,442,463	$7,193,279
Labor Income	$56,983	$3,481,687	$852,872	$4,391,542
Employment (Jobs)	1	80	20	101
Induced Effects				
Output	$72,418	$3,289,925	$1,697,802	$5,060,146
Value Added	$41,819	$1,899,723	$980,418	$2,921,959
Labor Income	$21,380	$971,316	$501,235	$1,493,931
Employment (Jobs)	1	24	13	38
Total Effects				
Output	$828,685	$49,363,265	$16,435,093	$66,627,043
Value Added	$422,534	$24,069,446	$7,404,667	$31,896,647
Labor Income	$148,753	$6,775,544	$3,484,412	$10,408,708
Employment (Jobs)	4	159	90	253

Table 173. Delaware River, Lower West Branch—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$215,712	$43,509	$259,221
State Resident (Non-County) Anglers	$13,943,187	$2,243,639	$16,186,827
Out of State Anglers	$2,443,805	$879,503	$3,323,307
All Anglers	$16,602,704	$3,166,651	$19,769,355

Table 174. Cattaraugus Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	138	233
Region 2: New York City	2,882	2,653
Region 3: Lower Hudson Valley	90	100
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	1,202	1,109
Region 7: Central New York	0	NA
Region 8: Western Finger Lakes	1,358	629
Region 9: Western New York	109,581	13,343
Out of state	7,987	3,459
Type of Fishing		
Ice fishing	0	NA
Open water	123,245	14,414
Total	123,245	14,414

Table 175. Cattaraugus Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$728,185 ($5.91)	$125,328
At home and en route	$1,434,145 ($11.64)	$456,408

Table 176. Cattaraugus Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Steelhead	45
Trout, brown	28
Trout, rainbow	11
Catfish, channel	5
Trout, brook	5
No preference	4

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 177. Cattaraugus Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	54.6
Percent of anglers fishing in this waterbody who are satisfied	64

Table 178. Cattaraugus Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,329,029	$5,892,799	$2,251,055	$10,472,883
Value Added	$1,145,856	$2,194,116	$802,562	$4,142,534
Labor Income	$806,824	$1,035,434	$385,734	$2,227,991
Employment (Jobs)	12	23	10	45
Indirect Effects				
Output	$565,856	$1,553,925	$579,921	$2,699,701
Value Added	$331,544	$910,898	$341,158	$1,583,600
Labor Income	$210,197	$580,883	$215,822	$1,006,901
Employment (Jobs)	4	10	4	17
Induced Effects				
Output	$717,598	$1,102,427	$407,682	$2,227,708
Value Added	$438,710	$673,602	$249,074	$1,361,386
Labor Income	$238,879	$366,917	$135,683	$741,480
Employment (Jobs)	5	8	3	16
Total Effects				
Output	$3,612,484	$8,549,151	$3,238,658	$15,400,292
Value Added	$1,916,111	$3,778,615	$1,392,793	$7,087,519
Labor Income	$1,255,899	$1,983,234	$737,238	$3,976,372
Employment (Jobs)	21	41	16	78

Table 179. Cattaraugus Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$339,035	$280,684	$619,720
State Resident (Non-County) Anglers	$1,052,020	$498,389	$1,550,409
Out of State Anglers	$357,227	$184,787	$542,013
All Anglers	$1,748,282	$963,860	$2,712,142

Table 180. Beaver Kill—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	9,854	4,101
Region 2: New York City	20,447	6,656
Region 3: Lower Hudson Valley	23,693	8,063
Region 4: Capital Region / Northern Catskills	3,412	1,254
Region 5: Eastern Adirondacks / Lake Champlain	906	501
Region 6: Western Adirondacks / Eastern Lake Ontario	1,664	1,504
Region 7: Central New York	12,619	4,155
Region 8: Western Finger Lakes	1,053	533
Region 9: Western New York	670	557
Out of state	46,495	9,657
Type of Fishing		
Ice fishing	0	NA
Open water	120,813	14,569
Total	120,813	14,569

Table 181. Beaver Kill—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$5,244,990 ($43.41)	$1,166,341
At home and en route	$3,282,018 ($27.17)	$3,096,190

Table 182. Beaver Kill—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	76
Trout, rainbow	16
Trout, brook	7

Shows only species at 2% or more. Anglers named the *primary* species fished for in the waterbody.

Table 183. Beaver Kill—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	133.6
Percent of anglers fishing in this waterbody who are satisfied	72

Table 184. Beaver Kill—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$110,254	$15,658,868	$9,210,937	$24,980,059
Value Added	$44,582	$4,467,407	$3,016,522	$7,528,511
Labor Income	$16,453	$1,194,636	$1,064,425	$2,275,514
Employment (Jobs)	1	42	38	82
Indirect Effects				
Output	$20,188	$1,966,615	$1,578,944	$3,565,747
Value Added	$9,771	$952,066	$759,600	$1,721,437
Labor Income	$5,731	$563,717	$448,497	$1,017,945
Employment (Jobs)	0	15	12	27
Induced Effects				
Output	$7,773	$616,085	$539,001	$1,162,859
Value Added	$4,456	$353,201	$309,077	$666,734
Labor Income	$2,040	$161,670	$141,436	$305,146
Employment (Jobs)	0	5	4	9
Total Effects				
Output	$138,215	$18,241,568	$11,328,882	$29,708,665
Value Added	$58,809	$5,772,674	$4,085,199	$9,916,683
Labor Income	$24,224	$1,920,023	$1,654,358	$3,598,605
Employment (Jobs)	1	62	55	118

Table 185. Beaver Kill—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$21,874	$6,221	$28,095
State Resident (Non-County) Anglers	$2,999,189	$537,776	$3,536,965
Out of State Anglers	$1,534,619	$426,142	$1,960,761
All Anglers	$4,555,682	$970,139	$5,525,821

Table 186. Upper Hudson River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	241	314
Region 2: New York City	1,634	987
Region 3: Lower Hudson Valley	270	209
Region 4: Capital Region / Northern Catskills	21,036	5,531
Region 5: Eastern Adirondacks / Lake Champlain	92,968	13,520
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	215	190
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	0	NA
Out of state	3,862	1,449
Type of Fishing		
Ice fishing	0	NA
Open water	120,234	16,205
Total	120,234	16,205

Table 187. Upper Hudson River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$346,481 ($2.88)	$94,398
At home and en route	$532,329 ($4.43)	$117,858

Table 188. Upper Hudson River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	38
No preference	25
Bass, largemouth	7
Catfish, channel	5
Northern pike	4
Bullhead	3
Pickerel	3
Trout, brook	3
Walleye	3
Trout, brown	2
Trout, rainbow	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 189. Upper Hudson River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	33.9
Percent of anglers fishing in this waterbody who are satisfied	51

Table 190. Upper Hudson River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,938,612	$1,981,679	$1,317,000	$5,237,290
Value Added	$890,786	$878,159	$635,733	$2,404,678
Labor Income	$579,218	$540,525	$438,843	$1,558,586
Employment (Jobs)	11	12	10	33
Indirect Effects				
Output	$429,554	$488,451	$337,289	$1,255,294
Value Added	$250,024	$283,410	$195,748	$729,183
Labor Income	$154,604	$176,236	$121,268	$452,108
Employment (Jobs)	3	3	2	8
Induced Effects				
Output	$482,064	$469,536	$365,797	$1,317,397
Value Added	$293,631	$285,985	$222,786	$802,402
Labor Income	$157,730	$153,626	$119,680	$431,036
Employment (Jobs)	3	3	3	9
Total Effects				
Output	$2,850,230	$2,939,666	$2,020,086	$7,809,981
Value Added	$1,434,442	$1,447,553	$1,054,267	$3,936,262
Labor Income	$891,553	$870,387	$679,790	$2,441,730
Employment (Jobs)	17	18	15	50

Table 191. Upper Hudson River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$257,251	$201,512	$458,763
State Resident (Non-County) Anglers	$290,187	$199,745	$489,932
Out of State Anglers	$188,262	$152,351	$340,614
All Anglers	$735,700	$553,609	$1,289,308

Table 192. Irondequoit Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	214	184
Region 6: Western Adirondacks / Eastern Lake Ontario	1,765	867
Region 7: Central New York	699	421
Region 8: Western Finger Lakes	104,622	18,858
Region 9: Western New York	0	NA
Out of state	4,009	3,706
Type of Fishing		
Ice fishing	72	83
Open water	111,296	19,630
Total	111,368	19,651

Table 193. Irondequoit Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$200,606 ($1.80)	$73,338
At home and en route	$446,354 ($4.01)	$212,202

Table 194. Irondequoit Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	52
Steelhead	29
Trout, rainbow	9
Trout, brook	4
Salmon, coho / Chinook	3
No preference	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 195. Irondequoit Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	17.4
Percent of anglers fishing in this waterbody who are satisfied	61

Table 196. Irondequoit Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$829,725	$1,195,764	$85,438	$2,110,927
Value Added	$361,562	$404,789	$32,711	$799,062
Labor Income	$199,129	$220,858	$12,907	$432,895
Employment (Jobs)	7	6	0	13
Indirect Effects				
Output	$260,497	$318,170	$24,781	$603,448
Value Added	$158,554	$194,376	$15,030	$367,960
Labor Income	$100,000	$122,543	$9,369	$231,911
Employment (Jobs)	2	2	0	4
Induced Effects				
Output	$222,473	$255,651	$16,632	$494,756
Value Added	$135,579	$155,801	$10,137	$301,517
Labor Income	$74,684	$85,823	$5,584	$166,090
Employment (Jobs)	2	2	0	4
Total Effects				
Output	$1,312,695	$1,769,584	$126,852	$3,209,131
Value Added	$655,695	$754,965	$57,878	$1,468,538
Labor Income	$373,813	$429,224	$27,860	$830,896
Employment (Jobs)	10	10	1	20

Table 197. Irondequoit Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$134,665	$91,700	$226,365
State Resident (Non-County) Anglers	$144,897	$105,105	$250,001
Out of State Anglers	$15,797	$7,352	$23,148
All Anglers	$295,358	$204,157	$499,515

Table 198. Eighteenmile Creek (Erie County)—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	1,425	1,572
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	113	146
Region 5: Eastern Adirondacks / Lake Champlain	66	79
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	0	NA
Region 8: Western Finger Lakes	351	315
Region 9: Western New York	88,911	12,369
Out of state	1,947	1,081
Type of Fishing		
Ice fishing	212	141
Open water	90,277	12,453
Total	*92,812	12,519

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 199. Eighteenmile Creek (Erie County)—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$177,108 ($1.91)	$62,806
At home and en route	$398,782 ($4.30)	$90,050

Table 200. Eighteenmile Creek (Erie County)—Percent of Days	
Primary Species Fished For	**Percent of Days**
Steelhead	68
Bass, smallmouth	8
Trout, brown	8
No preference	6
Bass, largemouth	3
Trout, lake	3
Trout, brook	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 201. Eighteenmile Creek (Erie County)—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	35.3
Percent of anglers fishing in this waterbody who are satisfied	60

Table 202. Eighteenmile Creek (Erie County)—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,045,649	$5,254,335	$163,447	$7,463,431
Value Added	$880,982	$1,618,771	$60,580	$2,560,333
Labor Income	$591,826	$904,494	$35,700	$1,532,020
Employment (Jobs)	14	14	1	29
Indirect Effects				
Output	$567,890	$1,067,751	$53,277	$1,688,919
Value Added	$335,383	$639,757	$30,742	$1,005,881
Labor Income	$212,344	$393,264	$20,043	$625,652
Employment (Jobs)	4	6	0	10
Induced Effects				
Output	$556,297	$884,974	$38,257	$1,479,528
Value Added	$340,405	$541,396	$23,407	$905,207
Labor Income	$186,351	$296,429	$12,815	$495,595
Employment (Jobs)	4	6	0	11
Total Effects				
Output	$3,169,837	$7,207,060	$254,981	$10,631,878
Value Added	$1,556,770	$2,799,923	$114,728	$4,471,421
Labor Income	$990,521	$1,594,188	$68,558	$2,653,266
Employment (Jobs)	22	27	2	50

Table 203. Eighteenmile Creek (Erie County)—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$333,514	$229,416	$562,930
State Resident (Non-County) Anglers	$543,794	$386,094	$929,888
Out of State Anglers	$37,424	$16,570	$53,994
All Anglers	$914,732	$632,081	$1,546,813

Table 204. Oswego River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	184	172
Region 3: Lower Hudson Valley	711	374
Region 4: Capital Region / Northern Catskills	3,482	2,457
Region 5: Eastern Adirondacks / Lake Champlain	2,286	2,014
Region 6: Western Adirondacks / Eastern Lake Ontario	1,326	755
Region 7: Central New York	74,355	20,381
Region 8: Western Finger Lakes	1,069	638
Region 9: Western New York	0	NA
Out of state	9,124	3,397
Type of Fishing		
Ice fishing	0	NA
Open water	92,538	20,930
Total	92,538	20,930

Table 205. Oswego River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$829,275 ($8.96)	$318,789
At home and en route	$1,136,973 ($12.29)	$356,331

Table 206. Oswego River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Steelhead	29
No preference	25
Walleye	14
Salmon, coho / Chinook	8
Trout, brown	5
Northern pike	5
Bass, smallmouth	5
Perch, yellow	4
Bass, largemouth	3
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 207. Oswego River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	96.7
Percent of anglers fishing in this waterbody who are satisfied	51

Table 208. Oswego River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$821,409	$1,582,161	$2,963,137	$5,366,707
Value Added	$401,830	$608,026	$1,108,168	$2,118,024
Labor Income	$214,544	$299,769	$532,170	$1,046,483
Employment (Jobs)	5	9	13	27
Indirect Effects				
Output	$216,662	$441,180	$775,810	$1,433,652
Value Added	$125,464	$253,655	$446,353	$825,472
Labor Income	$78,295	$159,448	$280,050	$517,793
Employment (Jobs)	1	3	5	9
Induced Effects				
Output	$201,231	$316,462	$557,342	$1,075,036
Value Added	$121,205	$190,622	$335,685	$647,511
Labor Income	$66,625	$104,779	$184,526	$355,929
Employment (Jobs)	1	2	4	8
Total Effects				
Output	$1,239,303	$2,339,803	$4,296,290	$7,875,395
Value Added	$648,498	$1,052,303	$1,890,206	$3,591,007
Labor Income	$359,464	$563,996	$996,745	$1,920,205
Employment (Jobs)	8	14	22	44

Table 209. Oswego River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$151,427	$88,711	$240,138
State Resident (Non-County) Anglers	$255,215	$141,039	$396,254
Out of State Anglers	$464,521	$251,605	$716,125
All Anglers	$871,162	$481,356	$1,352,518

Table 210. Genesee River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	266	255
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	184	167
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	198	224
Region 8: Western Finger Lakes	32,341	8,075
Region 9: Western New York	47,829	13,292
Out of state	5,863	2,879
Type of Fishing		
Ice fishing	0	NA
Open water	86,680	16,176
Total	86,680	16,176

Table 211. Genesee River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$515,794 ($5.95)	$101,690
At home and en route	$646,532 ($7.46)	$125,034

Table 212. Genesee River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	51
No preference	17
Steelhead	9
Trout, rainbow	8
Walleye	5
Bass, largemouth	4
Bass, smallmouth	4

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 213. Genesee River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	56.9
Percent of anglers fishing in this waterbody who are satisfied	61

Table 214. Genesee River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,605,520	$3,174,657	$657,750	$5,437,927
Value Added	$627,688	$1,197,426	$235,092	$2,060,206
Labor Income	$346,053	$566,807	$93,596	$1,006,456
Employment (Jobs)	10	17	4	30
Indirect Effects				
Output	$422,700	$863,687	$188,089	$1,474,477
Value Added	$253,043	$515,021	$111,660	$879,724
Labor Income	$159,728	$326,704	$70,890	$557,323
Employment (Jobs)	3	5	1	9
Induced Effects				
Output	$341,916	$606,882	$112,120	$1,060,918
Value Added	$206,939	$367,337	$67,869	$642,146
Labor Income	$112,393	$199,504	$36,860	$348,757
Employment (Jobs)	3	4	1	8
Total Effects				
Output	$2,370,136	$4,645,227	$957,960	$7,973,322
Value Added	$1,087,669	$2,079,785	$414,621	$3,582,075
Labor Income	$618,174	$1,093,016	$201,346	$1,912,536
Employment (Jobs)	15	26	6	47

Table 215. Genesee River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$232,110	$151,342	$383,452
State Resident (Non-County) Anglers	$565,433	$277,764	$843,197
Out of State Anglers	$122,743	$52,946	$175,689
All Anglers	$920,286	$482,052	$1,402,338

Table 216. Oak Orchard Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	172	291
Region 2: New York City	1,527	1,360
Region 3: Lower Hudson Valley	317	270
Region 4: Capital Region / Northern Catskills	329	229
Region 5: Eastern Adirondacks / Lake Champlain	814	647
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	621	351
Region 8: Western Finger Lakes	24,114	6,092
Region 9: Western New York	13,757	3,662
Out of state	38,587	6,666
Type of Fishing		
Ice fishing	0	NA
Open water	80,238	9,313
Total	80,238	9,313

Table 217. Oak Orchard Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$2,938,601 ($36.62)	$538,016
At home and en route	$2,199,405 ($27.41)	$396,935

Table 218. Oak Orchard Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	40
Steelhead	22
Salmon, coho / Chinook	14
Bass, largemouth	6
Bass, smallmouth	5
Crappie / calico bass	3
Salmon, landlocked Atlantic	3
No preference	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 219. Oak Orchard Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	185.1
Percent of anglers fishing in this waterbody who are satisfied	58

Table 220. Oak Orchard Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$263,782	$1,915,748	$11,414,564	$13,594,095
Value Added	$111,880	$670,561	$4,152,197	$4,934,638
Labor Income	$38,939	$201,724	$1,237,712	$1,478,375
Employment (Jobs)	4	23	112	140
Indirect Effects				
Output	$46,627	$325,609	$1,895,971	$2,268,207
Value Added	$23,175	$161,579	$943,254	$1,128,007
Labor Income	$16,518	$114,220	$669,842	$800,579
Employment (Jobs)	0	3	17	20
Induced Effects				
Output	$10,347	$69,746	$439,489	$519,582
Value Added	$6,190	$41,729	$262,952	$310,871
Labor Income	$3,061	$20,534	$129,244	$152,839
Employment (Jobs)	0	1	3	4
Total Effects				
Output	$320,756	$2,311,104	$13,750,023	$16,381,883
Value Added	$141,245	$873,869	$5,358,403	$6,373,517
Labor Income	$58,518	$336,477	$2,036,798	$2,431,794
Employment (Jobs)	5	27	133	164

Table 221. Oak Orchard Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$55,703	$14,801	$70,504
State Resident (Non-County) Anglers	$394,425	$86,887	$481,312
Out of State Anglers	$2,472,255	$527,215	$2,999,470
All Anglers	$2,922,383	$628,903	$3,551,286

Table 222. Batten Kill—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	65	111
Region 2: New York City	267	332
Region 3: Lower Hudson Valley	0	0
Region 4: Capital Region / Northern Catskills	21,357	9,442
Region 5: Eastern Adirondacks / Lake Champlain	42,141	11,914
Region 6: Western Adirondacks / Eastern Lake Ontario	975	744
Region 7: Central New York	0	NA
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	0	NA
Out of state	14,065	6,341
Type of Fishing		
Ice fishing	0	NA
Open water	78,875	16,487
Total	78,875	16,487

Table 223. Batten Kill—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$436,306 ($5.53)	$177,228
At home and en route	$727,703 ($9.23)	$245,395

Table 224. Batten Kill—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	85
Trout, brook	5
No preference	5
Bass, largemouth	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 225. Batten Kill—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	41.1
Percent of anglers fishing in this waterbody who are satisfied	61

Table 226. Batten Kill—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$184,168	$2,276,406	$839,438	$3,300,013
Value Added	$75,902	$855,632	$340,344	$1,271,878
Labor Income	$40,525	$350,181	$146,693	$537,399
Employment (Jobs)	1	13	5	19
Indirect Effects				
Output	$38,787	$462,732	$171,653	$673,172
Value Added	$21,899	$261,661	$96,886	$380,445
Labor Income	$13,304	$162,893	$59,344	$235,542
Employment (Jobs)	0	3	1	5
Induced Effects				
Output	$22,656	$216,870	$86,709	$326,235
Value Added	$13,439	$128,645	$51,432	$193,515
Labor Income	$6,465	$61,878	$24,741	$93,083
Employment (Jobs)	0	2	1	2
Total Effects				
Output	$245,612	$2,956,009	$1,097,800	$4,299,420
Value Added	$111,240	$1,245,938	$488,661	$1,845,838
Labor Income	$60,294	$574,952	$230,779	$866,024
Employment (Jobs)	2	18	7	26

Table 227. Batten Kill—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$30,054	$14,498	$44,553
State Resident (Non-County) Anglers	$442,234	$148,321	$590,555
Out of State Anglers	$154,629	$58,753	$213,382
All Anglers	$626,918	$221,572	$848,490

Table 228. Seneca River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	211	282
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	913	457
Region 7: Central New York	67,153	22,284
Region 8: Western Finger Lakes	7,060	3,742
Region 9: Western New York	662	750
Out of state	1,291	762
Ice fishing	77,289	22,626
Open water	0	NA
Total	77,289	22,626

Table 229. Seneca River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$207,252 ($2.68)	$53,838
At home and en route	$334,882 ($4.33)	$127,490

Table 230. Seneca River—Percent of Days	
Primary Species Fished For	**Percent of Days**
No preference	52
Bass, largemouth	19
Northern pike	8
Carp	6
Bass, smallmouth	6
Walleye	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 231. Seneca River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	33.6
Percent of anglers fishing in this waterbody who are satisfied	54

Table 232. Seneca River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,514,753	$8,158,639	$1,560,300	$11,233,692
Value Added	$606,899	$3,019,759	$549,817	$4,176,475
Labor Income	$284,861	$1,488,152	$274,015	$2,047,028
Employment (Jobs)	8	35	8	51
Indirect Effects				
Output	$436,603	$2,102,287	$437,554	$2,976,444
Value Added	$254,020	$1,220,622	$252,673	$1,727,315
Labor Income	$162,890	$779,523	$162,322	$1,104,735
Employment (Jobs)	3	13	3	18
Induced Effects				
Output	$297,480	$1,505,042	$293,610	$2,096,132
Value Added	$180,135	$911,342	$177,828	$1,269,305
Labor Income	$99,377	$502,776	$98,094	$700,248
Employment (Jobs)	2	11	2	15
Total Effects				
Output	$2,248,836	$11,765,968	$2,291,463	$16,306,268
Value Added	$1,041,054	$5,151,723	$980,317	$7,173,095
Labor Income	$547,128	$2,770,452	$534,431	$3,852,011
Employment (Jobs)	13	59	13	85

Table 233. Seneca River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$324,130	$138,227	$462,357
State Resident (Non-County) Anglers	$1,321,371	$685,350	$2,006,721
Out of State Anglers	$242,052	$130,495	$372,547
All Anglers	$1,887,553	$954,071	$2,841,624

Table 234. Neversink River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	1,311	1,229
Region 2: New York City	6,110	2,731
Region 3: Lower Hudson Valley	48,545	10,800
Region 4: Capital Region / Northern Catskills	92	84
Region 5: Eastern Adirondacks / Lake Champlain	132	144
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	873	531
Region 8: Western Finger Lakes	3,555	2,117
Region 9: Western New York	0	NA
Out of state	15,533	5,793
Type of Fishing		
Ice fishing	67	79
Open water	76,084	12,534
Total	76,151	12,540

Table 235. Neversink River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$441,808 ($5.80)	$115,036
At home and en route	$469,410 ($6.16)	$106,408

Table 236. Neversink River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	70
Trout, brook	13
Trout, rainbow	10
No preference	4
Bass, smallmouth	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 237. Neversink River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	55.1
Percent of anglers fishing in this waterbody who are satisfied	68

Table 238. Neversink River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$691,728	$2,522,191	$1,805,675	$5,019,594
Value Added	$327,467	$911,692	$727,268	$1,966,427
Labor Income	$224,239	$465,445	$427,630	$1,117,314
Employment (Jobs)	6	12	11	29
Indirect Effects				
Output	$158,357	$564,079	$390,412	$1,112,848
Value Added	$86,264	$306,368	$212,526	$605,158
Labor Income	$51,055	$183,545	$126,125	$360,725
Employment (Jobs)	1	4	3	8
Induced Effects				
Output	$150,339	$353,325	$301,473	$805,137
Value Added	$89,118	$209,429	$178,694	$477,241
Labor Income	$46,103	$108,348	$92,447	$246,898
Employment (Jobs)	1	3	2	6
Total Effects				
Output	$1,000,424	$3,439,595	$2,497,560	$6,937,579
Value Added	$502,849	$1,427,489	$1,118,488	$3,048,826
Labor Income	$321,397	$757,338	$646,202	$1,724,937
Employment (Jobs)	8	19	16	43

Table 239. Neversink River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$93,517	$72,652	$166,169
State Resident (Non-County) Anglers	$387,140	$182,097	$569,237
Out of State Anglers	$258,018	$151,038	$409,056
All Anglers	$738,676	$405,787	$1,144,463

Table 240. Delaware River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	3,261	1,447
Region 2: New York City	13,721	6,594
Region 3: Lower Hudson Valley	25,003	6,543
Region 4: Capital Region / Northern Catskills	1,000	601
Region 5: Eastern Adirondacks / Lake Champlain	559	594
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	3,781	3,533
Region 8: Western Finger Lakes	5	20
Region 9: Western New York	89	89
Out of state	28,015	9,503
Type of Fishing		
Ice fishing	0	NA
Open water	75,432	12,734
Total	75,432	12,734

Table 241. Delaware River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$2,239,179 ($29.68)	$807,003
At home and en route	$994,637 ($13.19)	$201,165

Table 242. Delaware River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	32
Trout, brown	28
Trout, rainbow	18
Walleye	7
Trout, brook	4
No preference	3
Bass, striped (freshwater only)	3
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 243. Delaware River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	79.4
Percent of anglers fishing in this waterbody who are satisfied	69

Table 244. Delaware River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$536,047	$6,853,738	$5,309,977	$12,699,762
Value Added	$208,783	$2,445,890	$2,066,465	$4,721,138
Labor Income	$105,647	$1,115,249	$1,030,412	$2,251,308
Employment (Jobs)	3	25	25	52
Indirect Effects				
Output	$109,614	$1,428,274	$1,135,784	$2,673,672
Value Added	$59,621	$781,398	$619,565	$1,460,585
Labor Income	$36,466	$475,595	$379,186	$891,247
Employment (Jobs)	1	10	8	19
Induced Effects				
Output	$72,193	$814,782	$720,829	$1,607,804
Value Added	$42,679	$481,755	$426,192	$950,626
Labor Income	$22,243	$251,049	$222,099	$495,392
Employment (Jobs)	1	6	5	12
Total Effects				
Output	$717,854	$9,096,795	$7,166,590	$16,981,239
Value Added	$311,083	$3,709,043	$3,112,222	$7,132,348
Labor Income	$164,356	$1,841,893	$1,631,697	$3,637,946
Employment (Jobs)	4	41	38	83

Table 245. Delaware River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$92,973	$38,496	$131,470
State Resident (Non-County) Anglers	$1,063,966	$440,386	$1,504,352
Out of State Anglers	$855,946	$382,724	$1,238,669
All Anglers	$2,012,885	$861,606	$2,874,491

Table 246. Honeoye Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	407	340
Region 7: Central New York	894	581
Region 8: Western Finger Lakes	57,076	13,420
Region 9: Western New York	11,512	2,944
Out of state	1,989	1,007
Type of Fishing		
Ice fishing	7,675	2,328
Open water	63,561	13,381
Total	*71,911	13,792

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 247. Honeoye Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$846,725 ($11.77)	$217,639
At home and en route	$695,712 ($9.67)	$145,334

Table 248. Honeoye Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, largemouth	40
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	19
Walleye	13
Bass, smallmouth	10
No preference	9
Perch, yellow	5
Crappie / calico bass	4

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 249. Honeoye Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	51.9
Percent of anglers fishing in this waterbody who are satisfied	55

Table 250. Honeoye Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$768,093	$3,800,658	$330,141	$4,898,892
Value Added	$324,633	$1,709,830	$126,615	$2,161,077
Labor Income	$195,750	$884,545	$56,774	$1,137,069
Employment (Jobs)	6	23	2	32
Indirect Effects				
Output	$144,995	$662,262	$63,318	$870,575
Value Added	$86,213	$392,166	$38,018	$516,397
Labor Income	$57,013	$257,270	$25,608	$339,892
Employment (Jobs)	1	4	0	6
Induced Effects				
Output	$99,439	$442,559	$32,217	$574,216
Value Added	$58,912	$262,146	$19,086	$340,143
Labor Income	$31,038	$138,138	$10,056	$179,232
Employment (Jobs)	1	3	0	5
Total Effects				
Output	$1,012,527	$4,905,479	$425,676	$6,343,682
Value Added	$469,757	$2,364,142	$183,719	$3,017,618
Labor Income	$283,800	$1,279,954	$92,439	$1,656,193
Employment (Jobs)	8	31	3	42

Table 251. Honeoye Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$0	$0	$0
State Resident (Non-County) Anglers	$654,546	$290,507	$945,053
Out of State Anglers	$53,328	$21,608	$74,936
All Anglers	$707,874	$312,115	$1,019,989

Table 252. Chemung River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	1,779	1,227
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	1,147	888
Region 8: Western Finger Lakes	67,691	19,093
Region 9: Western New York	0	NA
Out of state	491	410
Ice fishing	71,111	19,157
Open water	0	NA
Total	71,111	19,157

Table 253. Chemung River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$78,085 ($1.10)	$35,147
At home and en route	$123,054 ($1.73)	$43,167

Table 254. Chemung River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Walleye	61
Bass, smallmouth	25
No preference	9

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 255. Chemung River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	20.0
Percent of anglers fishing in this waterbody who are satisfied	54

Table 256. Chemung River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$721,501	$242,264	$7,049	$970,814
Value Added	$304,556	$86,955	$2,374	$393,885
Labor Income	$198,434	$47,528	$1,250	$247,212
Employment (Jobs)	7	2	0	9
Indirect Effects				
Output	$158,399	$51,699	$1,726	$211,824
Value Added	$89,186	$29,972	$978	$120,137
Labor Income	$52,696	$18,564	$577	$71,837
Employment (Jobs)	1	0	0	1
Induced Effects				
Output	$123,799	$33,007	$923	$157,730
Value Added	$72,922	$19,444	$544	$92,910
Labor Income	$36,983	$9,859	$276	$47,118
Employment (Jobs)	1	0	0	1
Total Effects				
Output	$1,003,699	$326,969	$9,698	$1,340,367
Value Added	$466,665	$136,371	$3,896	$606,931
Labor Income	$288,113	$75,951	$2,103	$366,167
Employment (Jobs)	9	2	0	11

Table 257. Chemung River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$118,757	$64,999	$183,756
State Resident (Non-County) Anglers	$45,169	$17,992	$63,162
Out of State Anglers	$1,036	$498	$1,534
All Anglers	$164,962	$83,489	$248,451

Table 258. Eighteenmile Creek (Niagara County)—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	2,188	2,491
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	70	81
Region 8: Western Finger Lakes	216	184
Region 9: Western New York	49,942	11,804
Out of state	16,202	3,905
Type of Fishing		
Ice fishing	231	148
Open water	67,092	12,559
Total	*68,619	12,678

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 259. Eighteenmile Creek (Niagara County)—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$1,224,653 ($17.85)	$302,937
At home and en route	$2,294,158 ($33.43)	$1,659,028

Table 260. Eighteenmile Creek (Niagara County)—Percent of Days	
Primary Species Fished For	**Percent of Days**
Steelhead	23
Bass, largemouth	18
Bass, smallmouth	17
Trout, brown	17
Salmon, coho / Chinook	16
No preference	5
Trout, rainbow	2
Salmon, landlocked Atlantic	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 261. Eighteenmile Creek (Niagara County)—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	135.1
Percent of anglers fishing in this waterbody who are satisfied	54

Table 262. Eighteenmile Creek (Niagara County)—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,150,899	$373,076	$6,328,813	$7,852,788
Value Added	$659,432	$171,223	$2,539,239	$3,369,894
Labor Income	$304,295	$105,513	$1,024,474	$1,434,281
Employment (Jobs)	7	3	23	33
Indirect Effects				
Output	$137,677	$44,037	$691,233	$872,947
Value Added	$75,630	$23,998	$377,065	$476,693
Labor Income	$47,353	$14,495	$230,879	$292,726
Employment (Jobs)	1	0	6	7
Induced Effects				
Output	$128,367	$44,568	$468,941	$641,876
Value Added	$75,577	$26,245	$276,158	$377,979
Labor Income	$38,088	$13,221	$139,094	$190,403
Employment (Jobs)	1	0	4	5
Total Effects				
Output	$1,416,943	$461,681	$7,488,987	$9,367,611
Value Added	$810,639	$221,465	$3,192,462	$4,224,566
Labor Income	$389,735	$133,228	$1,394,447	$1,917,410
Employment (Jobs)	9	4	33	46

Table 263. Eighteenmile Creek (Niagara County)—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$286,925	$93,319	$380,245
State Resident (Non-County) Anglers	$50,158	$29,532	$79,690
Out of State Anglers	$1,066,297	$344,299	$1,410,596
All Anglers	$1,403,381	$467,150	$1,870,531

Table 264. Oatka Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	161	214
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	776	469
Region 6: Western Adirondacks / Eastern Lake Ontario	1,765	913
Region 7: Central New York	351	407
Region 8: Western Finger Lakes	55,735	11,612
Region 9: Western New York	9,100	2,888
Out of state	719	824
Type of Fishing		
Ice fishing	0	NA
Open water	68,609	12,044
Total	68,609	12,044

Table 265. Oatka Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$139,654 ($2.04)	$39,510
At home and en route	$277,191 ($4.04)	$80,192

Table 266. Oatka Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	74
Trout, rainbow	10
No preference	7
Trout, brook	6

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 267. Oatka Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	23.9
Percent of anglers fishing in this waterbody who are satisfied	54

Table 268. Oatka Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,809,359	$1,360,778	$27,756	$3,197,893
Value Added	$575,750	$500,181	$13,374	$1,089,305
Labor Income	$331,825	$218,171	$8,555	$558,551
Employment (Jobs)	10	6	0	16
Indirect Effects				
Output	$451,238	$370,341	$9,307	$830,886
Value Added	$271,320	$222,519	$5,606	$499,445
Labor Income	$172,744	$142,146	$3,557	$318,447
Employment (Jobs)	3	2	0	5
Induced Effects				
Output	$376,881	$271,905	$9,036	$657,822
Value Added	$227,592	$164,244	$5,456	$397,292
Labor Income	$124,242	$89,656	$2,979	$216,877
Employment (Jobs)	3	2	0	5
Total Effects				
Output	$2,637,479	$2,003,024	$46,099	$4,686,601
Value Added	$1,074,662	$886,943	$24,436	$1,986,042
Labor Income	$628,811	$449,973	$15,091	$1,093,875
Employment (Jobs)	15	11	0	26

Table 269. Oatka Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$194,065	$153,471	$347,536
State Resident (Non-County) Anglers	$258,373	$116,755	$375,129
Out of State Anglers	$4,241	$3,617	$7,858
All Anglers	$456,679	$273,843	$730,523

Table 270. Delta Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	172	285
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	607	594
Region 4: Capital Region / Northern Catskills	749	589
Region 5: Eastern Adirondacks / Lake Champlain	428	402
Region 6: Western Adirondacks / Eastern Lake Ontario	64,009	13,143
Region 7: Central New York	1,071	626
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	0	NA
Out of state	1,019	743
Type of Fishing		
Ice fishing	12,864	4,463
Open water	55,085	10,684
Total	*68,055	13,214

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 271. Delta Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$276,958 ($4.07)	$73,280
At home and en route	$430,880 ($6.33)	$87,739

Table 272. Delta Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
No preference	39
Walleye	19
Bass, largemouth	13
Bass, smallmouth	11
Northern pike	8
Perch, yellow	6
Crappie / calico bass	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 273. Delta Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	32.6
Percent of anglers fishing in this waterbody who are satisfied	56

Table 274. Delta Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$723,895	$1,530,274	$107,201	$2,361,371
Value Added	$331,520	$632,698	$48,894	$1,013,112
Labor Income	$163,757	$357,372	$22,782	$543,911
Employment (Jobs)	4	8	1	12
Indirect Effects				
Output	$149,214	$259,097	$23,953	$432,263
Value Added	$79,011	$136,257	$12,718	$227,987
Labor Income	$51,254	$87,689	$8,309	$147,252
Employment (Jobs)	1	2	0	3
Induced Effects				
Output	$116,337	$239,976	$16,856	$373,169
Value Added	$67,233	$138,678	$9,742	$215,652
Labor Income	$36,452	$75,193	$5,281	$116,926
Employment (Jobs)	1	2	0	3
Total Effects				
Output	$989,446	$2,029,347	$148,010	$3,166,803
Value Added	$477,764	$907,633	$71,354	$1,456,751
Labor Income	$251,462	$520,255	$36,372	$808,089
Employment (Jobs)	6	11	1	18

Low sample size; estimates should be used with caution.

Table 275. Delta Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$143,110	$57,606	$200,716
State Resident (Non-County) Anglers	$213,821	$116,324	$330,146
Out of State Anglers	$23,515	$8,406	$31,921
All Anglers	$380,447	$182,336	$562,783

Low sample size; estimates should be used with caution.

Table 276. Otisco Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	199	336
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	200	195
Region 7: Central New York	55,926	9,602
Region 8: Western Finger Lakes	3,247	1,440
Region 9: Western New York	0	NA
Out of state	7,988	6,171
Type of Fishing		
Ice fishing	4,909	1,987
Open water	60,988	10,956
Total	*67,563	11,508

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 277. Otisco Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$541,249 ($8.01)	$114,112
At home and en route	$783,466 ($11.60)	$236,976

Table 278. Otisco Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, largemouth	35
No preference	19
Walleye	13
Tiger muskellunge	11
Bass, smallmouth	7
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	6
Crappie / calico bass	2
Perch, yellow	2
Muskie	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 279. Otisco Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	42.3
Percent of anglers fishing in this waterbody who are satisfied	55

Table 280. Otisco Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,732,848	$1,858,131	$2,179,362	$5,770,342
Value Added	$695,319	$790,078	$959,766	$2,445,163
Labor Income	$379,141	$476,513	$513,665	$1,369,319
Employment (Jobs)	9	11	10	31
Indirect Effects				
Output	$491,267	$546,212	$591,989	$1,629,469
Value Added	$289,677	$320,608	$349,193	$959,477
Labor Income	$185,362	$204,482	$222,072	$611,916
Employment (Jobs)	3	3	4	10
Induced Effects				
Output	$381,983	$459,671	$493,889	$1,335,543
Value Added	$232,029	$279,208	$299,968	$811,205
Labor Income	$130,105	$156,563	$168,210	$454,878
Employment (Jobs)	3	3	4	10
Total Effects				
Output	$2,606,099	$2,864,014	$3,265,241	$8,735,354
Value Added	$1,217,024	$1,389,894	$1,608,927	$4,215,845
Labor Income	$694,608	$837,558	$903,946	$2,436,112
Employment (Jobs)	15	18	17	50

Table 281. Otisco Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$272,876	$166,548	$439,424
State Resident (Non-County) Anglers	$300,167	$196,558	$496,725
Out of State Anglers	$367,876	$218,848	$586,724
All Anglers	$940,919	$581,954	$1,522,873

Table 282. Saranac River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	861	740
Region 3: Lower Hudson Valley	602	509
Region 4: Capital Region / Northern Catskills	120	151
Region 5: Eastern Adirondacks / Lake Champlain	51,607	12,558
Region 6: Western Adirondacks / Eastern Lake Ontario	644	511
Region 7: Central New York	743	593
Region 8: Western Finger Lakes	5,115	5,776
Region 9: Western New York	531	499
Out of state	7,099	2,305
Ice fishing	67,323	14,071
Open water	0	NA
Total	67,323	14,071

Table 283. Saranac River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$481,044 ($7.15)	$214,541
At home and en route	$475,804 ($7.07)	$122,101

Table 284. Saranac River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	30
Trout, brown	28
Trout, brook	11
Trout, rainbow	7
No preference	6
Bass, largemouth	5
Walleye	4
Salmon, landlocked Atlantic	4

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 285. Saranac River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	100.1
Percent of anglers fishing in this waterbody who are satisfied	63

Table 286. Saranac River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$660,127	$4,665,651	$1,677,089	$7,002,868
Value Added	$252,058	$1,709,044	$810,493	$2,771,595
Labor Income	$138,228	$940,307	$498,729	$1,577,265
Employment (Jobs)	4	20	11	34
Indirect Effects				
Output	$98,680	$663,366	$244,094	$1,006,141
Value Added	$50,762	$346,963	$127,127	$524,852
Labor Income	$31,812	$215,175	$79,842	$326,829
Employment (Jobs)	1	5	2	7
Induced Effects				
Output	$96,884	$657,393	$329,175	$1,083,452
Value Added	$56,430	$382,890	$191,724	$631,044
Labor Income	$30,561	$207,374	$103,838	$341,772
Employment (Jobs)	1	5	2	8
Total Effects				
Output	$855,691	$5,986,411	$2,250,359	$9,092,461
Value Added	$359,250	$2,438,898	$1,129,344	$3,927,492
Labor Income	$200,601	$1,362,856	$682,409	$2,245,866
Employment (Jobs)	5	30	15	50

Table 287. Saranac River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$92,393	$49,065	$141,458
State Resident (Non-County) Anglers	$636,622	$334,153	$970,774
Out of State Anglers	$253,973	$161,677	$415,650
All Anglers	$982,988	$544,895	$1,527,882

Table 288. Whitney Point Reservoir—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	130	157
Region 2: New York City	976	1,146
Region 3: Lower Hudson Valley	67	79
Region 4: Capital Region / Northern Catskills	400	445
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	61,059	11,491
Region 8: Western Finger Lakes	117	105
Region 9: Western New York	0	NA
Out of state	2,141	1,370
Type of Fishing		
Ice fishing	12,059	5,120
Open water	52,852	9,380
Total	64,911	11,639

Table 289. Whitney Point Reservoir—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$230,476 ($3.55)	$96,528
At home and en route	$316,345 ($4.87)	$71,156

Table 290. Whitney Point Reservoir—Percent of Days	
Primary Species Fished For	**Percent of Days**
Walleye	44
Bass, smallmouth	20
Crappie / calico bass	17
No preference	9
Bass, largemouth	5

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 291. Whitney Point Reservoir—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	29.6
Percent of anglers fishing in this waterbody who are satisfied	42

Table 292. Whitney Point Reservoir—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,828,573	$713,360	$183,093	$2,725,026
Value Added	$821,820	$539,210	$138,066	$1,499,096
Labor Income	$506,800	$148,186	$48,325	$703,311
Employment (Jobs)	13	4	1	18
Indirect Effects				
Output	$414,267	$371,800	$91,633	$877,700
Value Added	$218,630	$199,843	$49,290	$467,763
Labor Income	$128,558	$122,601	$30,105	$281,264
Employment (Jobs)	3	3	1	6
Induced Effects				
Output	$395,870	$170,190	$49,244	$615,304
Value Added	$230,155	$98,957	$28,632	$357,744
Labor Income	$120,817	$51,936	$15,028	$187,781
Employment (Jobs)	3	1	0	5
Total Effects				
Output	$2,638,709	$1,255,350	$323,970	$4,218,030
Value Added	$1,270,606	$838,010	$215,988	$2,324,604
Labor Income	$756,174	$322,724	$93,458	$1,172,356
Employment (Jobs)	19	8	2	29

Low sample size; estimates should be used with caution.

Table 293. Whitney Point Reservoir—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$281,124	$174,312	$455,436
State Resident (Non-County) Anglers	$391,969	$90,666	$482,635
Out of State Anglers	$91,867	$24,808	$116,675
All Anglers	$764,960	$289,786	$1,054,746

Low sample size; estimates should be used with caution.

Table 294. West Canada Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	454	775
Region 2: New York City	635	948
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	3,219	1,605
Region 5: Eastern Adirondacks / Lake Champlain	1,710	1,169
Region 6: Western Adirondacks / Eastern Lake Ontario	49,541	9,169
Region 7: Central New York	5,649	2,280
Region 8: Western Finger Lakes	1,794	1,087
Region 9: Western New York	0	NA
Out of state	1,161	637
Type of Fishing		
Ice fishing	0	NA
Open water	64,163	9,809
Total	64,163	9,809

Table 295. West Canada Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$222,420 ($3.47)	$53,851
At home and en route	$337,382 ($5.26)	$66,121

Table 296. West Canada Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brook	52
Trout, brown	33
Trout, rainbow	8
No preference	5
Bass, smallmouth	2

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 297. West Canada Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	40.4
Percent of anglers fishing in this waterbody who are satisfied	55

Table 298. West Canada Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,968,025	$2,313,695	$447,850	$4,729,570
Value Added	$850,146	$889,124	$188,186	$1,927,457
Labor Income	$439,320	$385,695	$81,763	$906,778
Employment (Jobs)	11	10	2	24
Indirect Effects				
Output	$371,363	$429,912	$94,570	$895,845
Value Added	$195,846	$226,721	$50,228	$472,795
Labor Income	$125,159	$145,199	$32,400	$302,758
Employment (Jobs)	3	3	1	6
Induced Effects				
Output	$326,820	$307,608	$66,055	$700,483
Value Added	$188,281	$177,216	$38,054	$403,551
Labor Income	$99,673	$93,813	$20,145	$213,632
Employment (Jobs)	2	2	0	5
Total Effects				
Output	$2,666,208	$3,051,215	$608,474	$6,325,898
Value Added	$1,234,273	$1,293,061	$276,468	$2,803,802
Labor Income	$664,152	$624,708	$134,308	$1,423,168
Employment (Jobs)	16	15	4	35

Low sample size; estimates should be used with caution.

Table 299. West Canada Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$351,080	$157,833	$508,913
State Resident (Non-County) Anglers	$409,622	$153,956	$563,578
Out of State Anglers	$97,848	$33,009	$130,858
All Anglers	$858,550	$344,799	$1,203,349

Low sample size; estimates should be used with caution.

Table 300. Ashokan Reservoir—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	2,279	3,661
Region 2: New York City	761	443
Region 3: Lower Hudson Valley	52,663	12,622
Region 4: Capital Region / Northern Catskills	1,593	947
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	0	NA
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	0	NA
Out of state	4,256	2,298
Ice fishing	61,566	13,381
Open water	0	NA
Total	61,566	13,381

Table 301. Ashokan Reservoir—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$287,477 ($4.67)	$82,636
At home and en route	$522,957 ($8.49)	$138,893

Table 302. Ashokan Reservoir—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	31
Bass, smallmouth	28
No preference	17
Bass, largemouth	16
Trout, rainbow	3
Trout, brook	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 303. Ashokan Reservoir—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	38.6
Percent of anglers fishing in this waterbody who are satisfied	69

Table 304. Ashokan Reservoir—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$1,049,949	$753,091	$258,539	$2,061,580
Value Added	$522,567	$366,590	$119,022	$1,008,178
Labor Income	$254,454	$158,629	$33,200	$446,283
Employment (Jobs)	7	4	1	12
Indirect Effects				
Output	$244,739	$168,022	$74,365	$487,126
Value Added	$127,449	$86,404	$37,801	$251,655
Labor Income	$73,752	$49,448	$22,146	$145,345
Employment (Jobs)	2	1	1	4
Induced Effects				
Output	$148,078	$93,834	$25,272	$267,185
Value Added	$87,288	$55,313	$14,900	$157,501
Labor Income	$42,068	$26,658	$7,180	$75,906
Employment (Jobs)	1	1	0	2
Total Effects				
Output	$1,442,766	$1,014,947	$358,176	$2,815,890
Value Added	$737,304	$508,306	$171,723	$1,417,334
Labor Income	$370,273	$234,735	$62,526	$667,534
Employment (Jobs)	10	6	2	17

Table 305. Ashokan Reservoir—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$224,627	$89,952	$314,579
State Resident (Non-County) Anglers	$166,985	$58,891	$225,875
Out of State Anglers	$75,139	$17,294	$92,433
All Anglers	$466,751	$166,137	$632,888

Table 306. Willowemoc Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	5,076	2,564
Region 2: New York City	9,517	3,025
Region 3: Lower Hudson Valley	15,818	5,077
Region 4: Capital Region / Northern Catskills	3,278	1,458
Region 5: Eastern Adirondacks / Lake Champlain	214	184
Region 6: Western Adirondacks / Eastern Lake Ontario	1,502	1,386
Region 7: Central New York	3,588	1,462
Region 8: Western Finger Lakes	477	328
Region 9: Western New York	65	76
Out of state	21,836	6,256
Type of Fishing		
Ice fishing	0	0
Open water	61,376	8,692
Total	61,376	8,692

Table 307. Willowemoc Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$1,772,623 ($28.88)	$447,116
At home and en route	$1,215,049 ($19.80)	$246,770

Table 308. Willowemoc Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Trout, brown	79
Trout, rainbow	10
Trout, brook	10

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 309. Willowemoc Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	116.5
Percent of anglers fishing in this waterbody who are satisfied	70

Table 310. Willowemoc Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$115,216	$14,222,225	$2,578,511	$16,915,952
Value Added	$48,909	$4,002,671	$912,096	$4,963,676
Labor Income	$28,557	$1,190,855	$428,482	$1,647,894
Employment (Jobs)	1	31	15	47
Indirect Effects				
Output	$25,285	$1,843,292	$503,879	$2,372,455
Value Added	$12,899	$928,568	$256,125	$1,197,592
Labor Income	$7,856	$566,849	$155,942	$730,647
Employment (Jobs)	0	14	4	18
Induced Effects				
Output	$14,583	$647,003	$219,189	$880,774
Value Added	$8,548	$378,763	$128,354	$515,664
Labor Income	$4,089	$181,368	$61,447	$246,904
Employment (Jobs)	0	5	2	7
Total Effects				
Output	$155,083	$16,712,519	$3,301,579	$20,169,181
Value Added	$70,355	$5,310,002	$1,296,575	$6,676,933
Labor Income	$40,502	$1,939,072	$645,870	$2,625,445
Employment (Jobs)	1	50	20	71

Table 311. Willowemoc Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$18,042	$8,986	$27,029
State Resident (Non-County) Anglers	$2,718,096	$506,782	$3,224,878
Out of State Anglers	$428,151	$151,805	$579,956
All Anglers	$3,164,289	$667,573	$3,831,862

Table 312. Skaneateles Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	0
Region 2: New York City	1,388	1,383
Region 3: Lower Hudson Valley	2,348	2,279
Region 4: Capital Region / Northern Catskills	0	0
Region 5: Eastern Adirondacks / Lake Champlain	2,445	2,611
Region 6: Western Adirondacks / Eastern Lake Ontario	0	0
Region 7: Central New York	43,491	8,034
Region 8: Western Finger Lakes	153	170
Region 9: Western New York	122	107
Out of state	10,737	7,112
Type of Fishing		
Ice fishing	2,244	1,179
Open water	55,225	11,088
Total	*60,685	11,358

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 313. Skaneateles Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$320,883 ($5.29)	$102,606
At home and en route	$370,684 ($6.11)	$83,230

Table 314. Skaneateles Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	34
Trout, lake	20
Perch, yellow	15
Trout, rainbow	13
No preference	11
Bass, largemouth	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 315. Skaneateles Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	53.8
Percent of anglers fishing in this waterbody who are satisfied	50

Table 316. Skaneateles Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,579,124	$2,112,244	$456,564	$5,147,931
Value Added	$1,001,609	$799,970	$138,497	$1,940,076
Labor Income	$623,436	$422,910	$72,615	$1,118,961
Employment (Jobs)	16	10	2	28
Indirect Effects				
Output	$733,374	$583,356	$119,669	$1,436,399
Value Added	$426,360	$339,720	$69,008	$835,088
Labor Income	$268,057	$214,898	$44,000	$526,955
Employment (Jobs)	4	4	1	9
Induced Effects				
Output	$601,494	$430,967	$79,123	$1,111,584
Value Added	$363,353	$260,347	$47,802	$671,503
Labor Income	$201,008	$144,023	$26,443	$371,474
Employment (Jobs)	4	3	1	8
Total Effects				
Output	$3,913,992	$3,126,567	$655,356	$7,695,915
Value Added	$1,791,322	$1,400,037	$255,307	$3,446,667
Labor Income	$1,092,501	$781,831	$143,058	$2,017,390
Employment (Jobs)	25	17	3	45

Table 317. Skaneateles Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$352,656	$256,034	$608,690
State Resident (Non-County) Anglers	$348,652	$191,143	$539,794
Out of State Anglers	$58,090	$34,709	$92,799
All Anglers	$759,398	$481,885	$1,241,283

Table 318. Otsego Lake—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	1,514	1,159
Region 2: New York City	466	473
Region 3: Lower Hudson Valley	424	382
Region 4: Capital Region / Northern Catskills	35,246	10,434
Region 5: Eastern Adirondacks / Lake Champlain	3,239	2,576
Region 6: Western Adirondacks / Eastern Lake Ontario	4,475	1,414
Region 7: Central New York	1,104	644
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	2,997	1,919
Out of state	10,780	7,155
Type of Fishing		
Ice fishing	4,543	1,240
Open water	55,057	12,769
Total	*60,255	13,206

*Greater than the sum of ice and open because some days could not be determined as ice or open.

Table 319. Otsego Lake—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$742,823 ($12.33)	$385,450
At home and en route	$376,362 ($6.25)	$176,235

Table 320. Otsego Lake—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	32
Bass, largemouth	24
Trout, lake	14
Walleye	12
No preference	8
Perch, yellow	6
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	3

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 321. Otsego Lake—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	59.1
Percent of anglers fishing in this waterbody who are satisfied	63

Table 322. Otsego Lake—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$772,952	$954,394	$34,134,383	$35,861,728
Value Added	$349,394	$350,880	$12,775,845	$13,476,120
Labor Income	$212,816	$120,375	$1,984,407	$2,317,597
Employment (Jobs)	5	4	42	51
Indirect Effects				
Output	$94,359	$146,544	$4,935,293	$5,176,197
Value Added	$47,906	$73,703	$2,564,230	$2,685,840
Labor Income	$27,527	$43,643	$1,552,523	$1,623,693
Employment (Jobs)	1	1	39	41
Induced Effects				
Output	$114,605	$80,419	$1,700,423	$1,895,447
Value Added	$66,520	$46,687	$987,037	$1,100,244
Labor Income	$35,314	$24,772	$523,908	$583,993
Employment (Jobs)	1	1	14	15
Total Effects				
Output	$981,916	$1,181,357	$40,770,098	$42,933,372
Value Added	$463,821	$471,270	$16,327,112	$17,262,203
Labor Income	$275,656	$188,789	$4,060,838	$4,525,283
Employment (Jobs)	6	6	95	107

Table 323. Otsego Lake—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$112,162	$62,487	$174,650
State Resident (Non-County) Anglers	$187,065	$51,674	$238,738
Out of State Anglers	$10,025,493	$1,519,625	$11,545,119
All Anglers	$10,324,720	$1,633,786	$11,958,506

Table 324. Raquette River—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	249	238
Region 2: New York City	108	143
Region 3: Lower Hudson Valley	668	795
Region 4: Capital Region / Northern Catskills	357	384
Region 5: Eastern Adirondacks / Lake Champlain	18,767	7,192
Region 6: Western Adirondacks / Eastern Lake Ontario	22,790	9,175
Region 7: Central New York	2,792	1,429
Region 8: Western Finger Lakes	8,649	7,347
Region 9: Western New York	1,471	810
Out of state	4,339	1,996
Ice fishing	60,190	14,047
Open water	0	NA
Total	60,190	14,047

Table 325. Raquette River—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$270,718 ($4.50)	$80,305
At home and en route	$420,767 ($6.99)	$127,239

Table 326. Raquette River—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, smallmouth	38
Northern pike	24
Perch, yellow	8
Bass, largemouth	7
Trout, brook	5
Trout, brown	4
No preference	4
Walleye	4
Sunfish	4

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 327. Raquette River—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	103.4
Percent of anglers fishing in this waterbody who are satisfied	58

Table 328. Raquette River—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$591,101	$4,012,948	$891,330	$5,495,380
Value Added	$220,374	$1,557,917	$383,505	$2,161,796
Labor Income	$66,327	$669,276	$169,749	$905,352
Employment (Jobs)	2	21	5	28
Indirect Effects				
Output	$93,620	$657,318	$146,025	$896,963
Value Added	$44,789	$308,674	$68,576	$422,039
Labor Income	$28,303	$190,829	$42,241	$261,372
Employment (Jobs)	1	5	1	7
Induced Effects				
Output	$45,261	$413,608	$100,904	$559,773
Value Added	$25,989	$237,523	$57,933	$321,445
Labor Income	$13,093	$119,631	$29,195	$161,920
Employment (Jobs)	0	3	1	4
Total Effects				
Output	$729,982	$5,083,875	$1,138,259	$6,952,116
Value Added	$291,152	$2,104,115	$510,014	$2,905,281
Labor Income	$107,723	$979,736	$241,185	$1,328,644
Employment (Jobs)	3	29	7	40

Table 329. Raquette River—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$143,384	$33,162	$176,546
State Resident (Non-County) Anglers	$713,198	$260,173	$973,372
Out of State Anglers	$177,574	$64,397	$241,971
All Anglers	$1,034,156	$357,732	$1,391,888

Table 330. Ellicott Creek—Effort		
Region of Residence and Type of Fishing	**Estimated Days**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	0	NA
Region 2: New York City	0	NA
Region 3: Lower Hudson Valley	0	NA
Region 4: Capital Region / Northern Catskills	0	NA
Region 5: Eastern Adirondacks / Lake Champlain	0	NA
Region 6: Western Adirondacks / Eastern Lake Ontario	0	NA
Region 7: Central New York	0	NA
Region 8: Western Finger Lakes	0	NA
Region 9: Western New York	59,970	17,779
Out of state	86	90
Ice fishing	60,057	17,779
Open water	0	NA
Total	60,057	17,779

Table 331. Ellicott Creek—Expenditure Location	Total (mean/day)	Confidence Interval
At location	$27,115 ($0.45)	$12,777
At home and en route	$26,175 ($0.44)	$9,307

Table 332. Ellicott Creek—Percent of Days	
Primary Species Fished For	**Percent of Days**
Bass, largemouth	45
Bass, smallmouth	38
Trout, rainbow	8
No preference	4

Shows only species at 2% or more. Anglers named the primary species fished for in the waterbody.

Table 333. Ellicott Creek—Distance Traveled and Percent Satisfied	
Mean distance traveled in miles to fish this waterbody among anglers who fished it	16.1
Percent of anglers fishing in this waterbody who are satisfied	42

Table 334. Ellicott Creek—Economic Impact of Anglers Who Fish at the Waterbody				
	County Resident Anglers	**State Resident (Non-County) Anglers**	**Out of State Anglers**	**All Anglers**
Direct Effects				
Output	$2,249,042	$1,490,402	$12,707	$3,752,151
Value Added	$1,309,848	$467,382	$5,016	$1,782,246
Labor Income	$988,030	$261,428	$4,267	$1,253,724
Employment (Jobs)	11	4	0	15
Indirect Effects				
Output	$475,613	$310,264	$4,041	$789,919
Value Added	$283,587	$185,823	$2,324	$471,734
Labor Income	$177,136	$114,500	$1,510	$293,146
Employment (Jobs)	3	2	0	5
Induced Effects				
Output	$838,460	$256,331	$3,962	$1,098,752
Value Added	$513,395	$156,814	$2,424	$672,632
Labor Income	$280,928	$85,860	$1,327	$368,115
Employment (Jobs)	6	2	0	8
Total Effects				
Output	$3,563,115	$2,056,997	$20,710	$5,640,823
Value Added	$2,106,830	$810,019	$9,764	$2,926,612
Labor Income	$1,446,094	$461,788	$7,104	$1,914,985
Employment (Jobs)	20	8	0	28

Low sample size; estimates should be used with caution.

Table 335. Ellicott Creek—Tax Revenues Generated			
	State and Local Tax Revenues	**Federal Tax Revenues**	**Total Tax Revenues**
County Resident Anglers	$341,730	$315,765	$657,495
State Resident (Non-County) Anglers	$162,382	$111,900	$274,282
Out of State Anglers	$2,445	$1,592	$4,037
All Anglers	$506,557	$429,257	$935,814

Low sample size; estimates should be used with caution.

EXPENDITURES

Freshwater anglers generated nearly $252 million in at-location expenditures (e.g., bait, lodging, groceries, restaurants, guide services). An additional $204 million was expended at home and en route from fishing destinations. Finally, fishing equipment expenditures totaled $1,814 million. When direct, indirect, and induced economic effects of angler spending are taken into consideration, an estimated $2,138 million of economic activity was generated and 10,961 jobs were supported in 2017 in New York. A substantial portion of this economic activity was attributable to out-of-state anglers ($564 million, which is 26% of the total). Table 336 shows non-equipment expenditures by region of residence. Table 337 shows non-equipment expenditures by region fished. Table 338 shows non-equipment expenditures by type of waterbody.

Table 336. Estimated Expenditures by Region of Residence

Region of Residence	Amount Spent at Location	Confidence Interval	Amount Spent at Home and en Route	Confidence Interval	Total	Confidence Interval
Region 1: Long Island	$7,324,362	$973,596	$5,617,170	$1,220,347	$12,941,531	$1,681,316
Region 2: New York City	$9,804,622	$1,253,813	$7,680,674	$1,015,430	$17,485,296	$1,910,000
Region 3: Lower Hudson Valley	$20,834,443	$1,704,098	$16,479,132	$3,652,769	$37,313,575	$4,237,301
Region 4: Capital Region / Northern Catskills	$13,982,537	$1,320,566	$13,731,461	$863,581	$27,713,997	$1,882,758
Region 5: Eastern Adirondacks / Lake Champlain	$16,731,968	$1,344,424	$18,909,513	$1,455,764	$35,641,481	$2,530,168
Region 6: Western Adirondacks / Eastern Lake Ontario	$11,193,594	$914,228	$9,879,630	$563,709	$21,073,224	$1,271,262
Region 7: Central New York	$22,049,084	$1,591,996	$20,806,040	$1,355,075	$42,855,124	$2,395,452
Region 8: Western Finger Lakes	$26,268,723	$1,593,501	$20,316,523	$1,260,065	$46,585,246	$2,399,646
Region 9: Western New York	$27,158,742	$1,655,527	$22,558,862	$2,322,415	$49,717,604	$3,150,409
Out of state	$96,538,811	$4,053,827	$67,655,187	$7,034,897	$164,193,998	$8,820,882
Total	$251,938,829	$5,641,823	$203,666,853	$8,708,143	$455,605,683	$11,302,539

"At Location" expenditures are those made by the anglers, regardless of whether they spent that money inside or out of their region of residence. In other words, anglers residing in Region 1 (Long Island) spent $7,324,362 *at their fishing location*, including some locations outside of Region 1 itself. Note the total row includes a small percentage of anglers whose county of residence could not be positively identified and are listed in the database as residence unknown.

Table 337. Estimated Expenditures by Region Fished

Region Fished	At Location Expenditures	Confidence Interval
Region 1: Long Island	$1,948,409	$336,147
Region 2: New York City	$203,643	$58,607
Region 3: Lower Hudson Valley	$18,324,383	$1,592,490
Region 4: Capital Region / Northern Catskills	$19,308,691	$1,842,880
Region 5: Eastern Adirondacks / Lake Champlain	$52,465,572	$2,956,565
Region 6: Western Adirondacks / Eastern Lake Ontario	$34,035,834	$2,070,109
Region 7: Central New York	$48,700,691	$2,391,010
Region 8: Western Finger Lakes	$30,560,496	$1,978,856
Region 9: Western New York	$31,769,625	$1,966,433

Table 338. Estimated Expenditures for Anglers Fishing Different Waterbody Types	Total (mean/day)	Confidence Interval
Lake Ontario (includes embayments)		
At location	$40,362,599 ($16.42)	$2,361,714
En route	$23,735,582 ($9.66)	$1,701,151
Lake Ontario Tributaries		
At location	$23,800,541 ($26.43)	$1,582,953
En route	$16,457,586 ($18.28)	$1,190,253
Upper and Lower Niagara River (combined)		
At location	$4,067,557 ($9.70)	$527,740
En route	$2,229,954 ($5.32)	$291,414
Lake Erie (includes embayments)		
At location	$7,573,507 ($7.81)	$738,132
En route	$6,069,895 ($6.26)	$583,347
Lake Erie Tributaries		
At location	$1,313,968 ($4.85)	$187,213
En route	$2,024,395 ($7.47)	$245,141
St. Lawrence (includes embayments)		
At location	$15,617,149 ($27.48)	$1,561,565
En route	$9,577,814 ($16.85)	$957,206
Great Lakes Waters as a Whole		
At location	$92,457,263 ($21.18)	$3,326,138
En route	$59,923,264 ($13.72)	$2,363,689
Inland Streams and Rivers		
At location	$48,296,429 ($9.62)	$2,741,409
En route	$36,888,149 ($7.35)	$1,622,883
Inland Lakes and Ponds		
At location	$102,563,058 ($10.60)	$3,762,263
En route	$90,940,489 ($9.40)	$5,567,516
Inland Waters as a Whole		
At location	$154,193,926 ($10.22)	$4,641,513
En route	$124,501,514 ($8.25)	$3,180,992
Unclassifiable		
At location	$7,816,508 ($19.90)	$913,096
En route	$5,613,176 ($14.30)	$625,368

Tables 339 through 347 show expenditures by anglers fishing in each region based on their region of residence. A notation at the bottom of each of these tables shows the percent of expenditures in the region by non-region anglers. Regions 4, 5, 6, and 7 have the highest percentage of non-region angler expenditures.

Table 339. Estimated Expenditures at Location for Anglers Fishing Region 1 by Region of Residence

Region of Residence	At Location Expenditures	Confidence Interval
Region of Residence		
Region 1: Long Island	$1,531,725	$303,678
Region 2: New York City	$111,821	$43,837
Region 3: Lower Hudson Valley	$81,837	$60,246
Region 4: Capital Region / Northern Catskills	$1,273	$1,097
Region 5: Eastern Adirondacks / Lake Champlain	$34,927	$40,622
Region 6: Western Adirondacks / Eastern Lake Ontario	$0	$0
Region 7: Central New York	$0	$0
Region 8: Western Finger Lakes	$0	$0
Region 9: Western New York	$0	$0
Out of State	$186,827	$116,762
Total in Region 1	$1,948,409	$336,147
21% by non-region residents		

Table 340. Estimated Expenditures at Location for Anglers Fishing Region 2 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$0	$0
Region 2: New York City	$171,642	$55,492
Region 3: Lower Hudson Valley	$3,342	$3,974
Region 4: Capital Region / Northern Catskills	$0	$0
Region 5: Eastern Adirondacks / Lake Champlain	$0	$0
Region 6: Western Adirondacks / Eastern Lake Ontario	$0	$0
Region 7: Central New York	$0	$0
Region 8: Western Finger Lakes	$0	$0
Region 9: Western New York	$0	$0
Out of State	$28,659	$18,443
Total in Region 2	$203,643	$58,607
16% by non-region residents		

Table 341. Estimated Expenditures at Location for Anglers Fishing Region 3 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$1,176,684	$335,296
Region 2: New York City	$2,842,948	$458,253
Region 3: Lower Hudson Valley	$7,023,439	$851,374
Region 4: Capital Region / Northern Catskills	$383,065	$123,099
Region 5: Eastern Adirondacks / Lake Champlain	$88,337	$53,581
Region 6: Western Adirondacks / Eastern Lake Ontario	$69,179	$31,157
Region 7: Central New York	$297,144	$93,725
Region 8: Western Finger Lakes	$341,303	$149,457
Region 9: Western New York	$112,479	$53,197
Out of State	$5,988,773	$1,202,672
Total in Region 3	$18,324,383	$1,592,490
62% by non-region residents		

Table 342. Estimated Expenditures at Location for Anglers Fishing Region 4 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$1,370,746	$537,339
Region 2: New York City	$2,559,848	$843,719
Region 3: Lower Hudson Valley	$2,093,980	$585,630
Region 4: Capital Region / Northern Catskills	$2,735,761	$444,318
Region 5: Eastern Adirondacks / Lake Champlain	$762,895	$190,807
Region 6: Western Adirondacks / Eastern Lake Ontario	$284,468	$84,926
Region 7: Central New York	$1,248,444	$679,524
Region 8: Western Finger Lakes	$348,755	$157,500
Region 9: Western New York	$571,752	$284,218
Out of State	$7,330,806	$1,121,299
Total in Region 4	$19,308,691	$1,842,880
86% by non-region residents		

Table 343. Estimated Expenditures at Location for Anglers Fishing Region 5 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$1,550,698	$498,803
Region 2: New York City	$1,782,629	$645,277
Region 3: Lower Hudson Valley	$5,698,484	$1,148,393
Region 4: Capital Region / Northern Catskills	$6,543,806	$1,031,287
Region 5: Eastern Adirondacks / Lake Champlain	$11,210,115	$1,121,383
Region 6: Western Adirondacks / Eastern Lake Ontario	$1,398,282	$245,680
Region 7: Central New York	$1,979,538	$306,538
Region 8: Western Finger Lakes	$2,851,165	$636,637
Region 9: Western New York	$2,522,065	$828,931
Out of State	$16,926,126	$1,813,317
Total in Region 5	$52,465,572	$2,956,565
79% by non-region residents		

Table 344. Estimated Expenditures at Location for Anglers Fishing Region 6 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$133,929	$124,781
Region 2: New York City	$262,506	$200,210
Region 3: Lower Hudson Valley	$988,694	$283,407
Region 4: Capital Region / Northern Catskills	$1,005,450	$270,234
Region 5: Eastern Adirondacks / Lake Champlain	$1,196,770	$345,505
Region 6: Western Adirondacks / Eastern Lake Ontario	$7,597,359	$846,576
Region 7: Central New York	$3,444,825	$367,826
Region 8: Western Finger Lakes	$5,390,820	$886,811
Region 9: Western New York	$3,408,127	$590,734
Out of State	$10,599,657	$1,417,878
Total in Region 6	$34,035,834	$2,070,109
78% by non-region residents		

Table 345. Estimated Expenditures at Location for Anglers Fishing Region 7 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$969,820	$354,650
Region 2: New York City	$1,119,772	$318,043
Region 3: Lower Hudson Valley	$3,114,545	$552,841
Region 4: Capital Region / Northern Catskills	$1,883,837	$429,818
Region 5: Eastern Adirondacks / Lake Champlain	$1,604,647	$425,536
Region 6: Western Adirondacks / Eastern Lake Ontario	$994,158	$184,318
Region 7: Central New York	$10,764,782	$1,160,856
Region 8: Western Finger Lakes	$2,546,736	$421,294
Region 9: Western New York	$564,690	$168,033
Out of State	$25,134,549	$1,817,041
Total in Region 7	$48,700,691	$2,391,010
78% by non-region residents		

Table 346. Estimated Expenditures at Location for Anglers Fishing Region 8 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$86,909	$80,149
Region 2: New York City	$110,336	$56,754
Region 3: Lower Hudson Valley	$520,321	$241,538
Region 4: Capital Region / Northern Catskills	$648,524	$403,826
Region 5: Eastern Adirondacks / Lake Champlain	$855,409	$322,781
Region 6: Western Adirondacks / Eastern Lake Ontario	$135,350	$69,653
Region 7: Central New York	$2,155,870	$493,613
Region 8: Western Finger Lakes	$11,861,237	$968,782
Region 9: Western New York	$1,962,666	$430,392
Out of State	$12,216,388	$1,495,352
Total in Region 8	$30,560,496	$1,978,856
61% by non-region residents		

Table 347. Estimated Expenditures at Location for Anglers Fishing Region 9 by Region of Residence		
Region of Residence	**At Location Expenditures**	**Confidence Interval**
Region of Residence		
Region 1: Long Island	$202,196	$131,113
Region 2: New York City	$342,022	$159,634
Region 3: Lower Hudson Valley	$660,422	$243,484
Region 4: Capital Region / Northern Catskills	$287,653	$159,893
Region 5: Eastern Adirondacks / Lake Champlain	$266,234	$159,971
Region 6: Western Adirondacks / Eastern Lake Ontario	$118,103	$53,523
Region 7: Central New York	$451,670	$159,632
Region 8: Western Finger Lakes	$1,273,729	$202,083
Region 9: Western New York	$15,624,500	$1,059,353
Out of State	$12,516,845	$1,595,064
Total in Region 9	$31,769,625	$1,966,433
51% by non-region residents		

Table 348 shows the economic impact statewide of the equipment, at location, and en route expenditures. In this statewide table, "county resident anglers" refers to anglers fishing within their own county of residence, while "state resident (non-county) anglers" refers to anglers fishing outside of their own county of residence. Table 349 shows the taxes generated from anglers' spending.

Table 348. Economic Impact of Anglers' Spending, Statewide, in 2017

	County Resident Anglers	State Resident (Non-County) Anglers	Out-of-State Anglers	All Anglers
Direct Effects				
Output	$412,209,159	$800,496,834	$453,796,240	$1,666,502,233
Value Added	$183,960,540	$301,305,717	$178,112,196	$663,378,452
Labor Income	$95,190,280	$127,797,742	$62,718,181	$285,706,203
Employment (Jobs)	2,168	3,352	1,915	7,436
Indirect Effects				
Output	$87,214,881	$132,694,606	$73,485,039	$293,394,526
Value Added	$49,436,414	$69,552,236	$37,872,401	$156,861,051
Labor Income	$31,070,419	$43,214,254	$23,474,470	$97,759,142
Employment (Jobs)	599	996	285	1,880
Induced Effects				
Output	$66,902,369	$74,730,267	$36,497,415	$178,130,052
Value Added	$40,293,186	$44,047,734	$21,352,005	$105,692,925
Labor Income	$21,504,544	$22,709,964	$10,816,768	$55,031,276
Employment (Jobs)	494	572	285	1,351
Total Effects				
Output	$566,326,409	$1,007,921,708	$563,778,694	$2,138,026,811
Value Added	$273,690,140	$414,905,687	$237,336,602	$925,932,428
Labor Income	$147,765,243	$193,721,960	$97,009,419	$438,496,622
Employment (Jobs)	3,261	4,921	2,778	10,961

Table 349. Tax Revenue Generated by Anglers' Spending, Statewide, in 2017

	State and Local Tax Revenues	Federal Tax Revenues	Total Tax Revenues
County Resident Anglers	$81,662,220	$34,929,039	$116,591,259
State Resident (Non-County) Anglers	$156,725,091	$47,306,615	$204,031,706
Out-of-State Anglers	$103,395,294	$25,719,672	$129,114,966
All Anglers	$341,729,687	$107,931,701	$449,737,931

LITERATURE CITED

Connelly, N.A., and T.L. Brown. 2009. *New York Statewide Angler Survey 2007, Report 4: Survey Method Comparison and Analysis of Trends in Fishing Effort.* New York State Department of Environmental Conservation, Bureau of Fisheries, Albany, NY.

APPENDIX: PAPER VERSION OF SURVEY QUESTIONNAIRE

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

NEW YORK STATE FRESHWATER ANGLER SURVEY

If preferred, this survey may be completed online at www.fishingsurvey.org, using ACCESS CODE: 123456

Q1. In the past 5 years, have you purchased or held (e.g., lifetime or free license) a fishing license and/or fished in New York State? (Please check all that apply for each year listed below.)

Year	Purchased/Held License	Fished
2017	O	O
2016	O	O
2015	O	O
2014	O	O
2013	O	O

IF YOU DID NOT FISH IN NEW YORK STATE IN 2017, 2016, OR 2015, PLEASE STOP AFTER Q1 AND RETURN THIS QUESTIONNAIRE USING THE PROVIDED POSTAGE-PAID ENVELOPE.

OTHERWISE, CONTINUE THE SURVEY.

Q2. Rank your 5 favorite species of fish you prefer to fish for in New York State. Please rank them from 1 to 5, with #1 as your favorite; leave all the rest of the species blank.

For each of your 5 favorite species, mark the waterbody type that you prefer to fish in for that species. Please mark only one preferred waterbody type for each of the fish species.

(If you have no preferred fish, mark "No specific preferred type," mark a preferred waterbody, and leave all other rows blank.

Species	Fish species preference (ranking)	Preferred Waterbody Type: Pond/lake (other than Great Lakes)	Stream/river (other than Great Lake tributaries)	Great Lakes – lakes and bays	Great Lakes – tributaries	No preferred waterbody
No specific preferred type		O	O	O	O	O
Smallmouth bass		O	O	O	O	O
Largemouth bass		O	O	O	O	O
Bullhead		O	O	O	O	O
Carp		O	O	O	O	O
Channel catfish		O	O	O	O	O
Crappie / calico bass		O	O	O	O	O
Coho / Chinook salmon		O	O	O	O	O
Landlocked Atlantic salmon		O	O	O	O	O
Lake trout		O	O	O	O	O
Muskie		O	O	O	O	O
Northern pike		O	O	O	O	O
Pickerel		O	O	O	O	O
Steelhead		O	O	O	O	O
Striped bass (freshwater only)		O	O	O	O	O
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)		O	O	O	O	O
Tiger muskellunge		O	O	O	O	O
Brook trout		O	O	O	O	O
Brown trout		O	O	O	O	O
Rainbow trout		O	O	O	O	O
Walleye		O	O	O	O	O
Yellow perch		O	O	O	O	O

Q3. Please choose up to **2** favorite ways that you like to fish. (Please rank only **2** ways, with #1 as your favorite; leave the rest blank.)

Rank	
	From shore
	From a fishing pier
	Wading in streams
	Through the ice
	From a motorized boat
	From a non-motorized boat/watercraft

Q4. Did you sell any of the yellow perch, pumpkinseed, bluegill, or redbreast that you caught in 2017?

- ○ Yes
- ○ No (caught these types of fish but did not sell)
- ○ No (did not catch these types of fish)

Q5. If you use a motorized boat, what actions do you take following a boating trip and before boating in another waterbody? (Or indicate that you do not use a boat in multiple waterbodies, if applicable.)
(Please check all that apply.)

- ☐ Do not use a motorized boat at all
- ☐ Do not use a boat in multiple waterbodies
- ☐ Drain bilge
- ☐ Drain baitwell and/or live well
- ☐ Remove mud or clinging plants from your boat and trailer
- ☐ Wash the boat
- ☐ Dry the boat
- ☐ None of the listed actions

Q6. How much did you spend on the following fishing-related equipment, gear, and clothing in 2017? (Please write in the amount in whole dollars; include only payments made in 2017 for large equipment that was financed, and include only items that were *used primarily for fishing*.) (If unsure, please estimate as best you can.) **(Note that other non-equipment-related expenses will be asked about on the following page.)**

Item(s)	Amount spent on item(s) in 2017 (round to nearest dollar)
Rods, reels, poles, rod making components	
Lines, leaders	
Artificial lures, flies, baits, dressing for flies or lines, hooks, sinkers, swivels, fly-tying equipment and supplies	
Tackle boxes, minnow traps, seines, bait containers	
Creels, stringers, fish bags, landing nets, gaff hooks	
Depth finders, fish finders, GPS units, radar, marine radios and other electronic devices	
Ice fishing equipment (tips-ups, ice fishing houses, ice augers, etc.)	
Scales, knives, hook disgorgers, planer boards, downriggers, rod holders	
Fishing vests, clothing, waders, wading boots, foul weather gear, life jackets	
Taxidermy costs	
Books, apps, magazines, maps, or DVDs devoted to fishing	
Camping equipment (tents, sleeping bags, cook stoves, lanterns) used primarily for fishing	
Boats/canoes/kayaks (used primarily for fishing), boat trailers, car or truck boat racks, trailer hitch	
Boat motors (if boat used primarily for fishing)	
Pickup truck, camper, motor home, recreational vehicle (RV) (if used primarily for fishing)	
ATV/4-wheeler (if used primarily for fishing)	
Freezer (if used primarily for caught fish)	
Cabin/camp (if used primarily for fishing)	

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Q7. Please answer the questions below about all of your freshwater fishing trips IN NEW YORK STATE between JANUARY 1 and DECEMBER 31, 2017.

You can list up to 12 locations using the tables below and also right (pages 3 and 4). (Include only the fishing you personally did and the dollars you personally spent. A partial day of fishing is considered one full day.)

Please be as specific as possible with names so that lakes are not confused with streams (e.g., if fishing in Oneida Lake, enter "Oneida Lake" rather than just "Oneida" so that it is not confused with Oneida River).

Name of waterbody (and nearest village or county in parentheses)	Miles from home (one-way)	Days fishing in the waterbody for each type of fishing	Write in name of primary species fished for in the waterbody for each type of fishing (please choose from the list at the top of the next page, or write in "no preference")	Were you satisfied or dissatisfied with your fishing experience at this body of water? 1 = satisfied 2 = neutral 3 = dissatisfied	How much were your *travel-related* expenses* to fish at this waterbody?	
					Total dollars spent at fishing location (for all fishing trips there) (round to nearest dollar)	Total dollars spent at home and while traveling to and from fishing location (for all fishing trips there) (round to nearest dollar)
EXAMPLE *Oneida Lake (Sylvan Beach)*	*70*	From a boat: *4*	*Walleye*	*1*	*$45*	*$30*
		From shore/pier/wading: *2*	*Sunfish*	*3*		
		Ice fishing: *0*				
1.		From a boat:				
		From shore/pier/wading:				
		Ice fishing:				
2.		From a boat:				
		From shore/pier/wading:				
		Ice fishing:				
3.		From a boat:				
		From shore/pier/wading:				
		Ice fishing:				
4.		From a boat:				
		From shore/pier/wading:				
		Ice fishing:				
5.		From a boat:				
		From shore/pier/wading:				
		Ice fishing:				
6.		From a boat:				
		From shore/pier/wading:				
		Ice fishing:				

*Travel-related expenses include such things as food and drinks, lodging, transportation, tolls, fuel, boat launch fees, guide fees, bait, ice, boat rentals. Do not include equipment expenses already listed on the previous page.

The table for Q7 continues on the following page. (If you have no more waterbodies to complete the table for Q7, please continue to Q8 by turning this survey booklet to the back to page 5.)

Q7 (continued). You can list up to 3 species per waterbody. **Species list for survey:**

No specific preferred type
Smallmouth bass
Largemouth bass
Bullhead
Carp
Channel catfish
Crappie / calico bass
Coho / Chinook salmon
Landlocked Atlantic salmon
Lake trout
Muskie
Northern pike
Pickerel
Steelhead
Striped bass (freshwater only)
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)
Tiger muskellunge
Brook trout
Brown trout
Rainbow trout
Walleye
Yellow perch

Name of waterbody (and nearest village or county in parentheses)	Miles from home (one-way)	Days fishing in the waterbody for each type of fishing	Write in name of primary species fished for in the waterbody for each type of fishing (please choose from the list above this table the table, or write in "no preference")	Were you satisfied or dissatisfied with your fishing experience at this body of water? 1 = satisfied 2 = neutral 3 = dissatisfied	How much were your *travel-related* expenses* to fish at this waterbody?	
					Total dollars spent at fishing location (for all fishing trips there) (round to nearest dollar)	Total dollars spent at home and while traveling to and from fishing location (for all fishing trips there) (round to nearest dollar)
EXAMPLE *Oneida Lake (Sylvan Beach)*	*70*	From a boat: *4* From shore/pier/wading: *2* Ice fishing: *0*	*Walleye* *Sunfish*	*1* *3*	*$45*	*$30*
7.		From a boat: From shore/pier/wading: Ice fishing:				
8.		From a boat: From shore/pier/wading: Ice fishing:				
9.		From a boat: From shore/pier/wading: Ice fishing:				
10.		From a boat: From shore/pier/wading: Ice fishing:				
11.		From a boat: From shore/pier/wading: Ice fishing:				
12.		From a boat: From shore/pier/wading: Ice fishing:				

*Travel-related expenses include such things as food and drinks, lodging, transportation, tolls, fuel, boat launch fees, guide fees, bait, ice, boat rentals. Do not include equipment expenses already listed on the previous page.

After completing the table for Q7, please continue to Q8 by turning this survey booklet to the back to page 5.

TURN THE PAGE

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Q8. Have you used any of the following live baits when fishing in New York in the past 5 years? (Please check all that apply.)

- ❒ Personally collected baitfish (i.e., live fish)
- ❒ Purchased live baitfish
- ❒ Crayfish
- ❒ Aquatic insects
- ❒ None of these

Q9. How do you most frequently dispose of baitfish/crayfish? (Or indicate that you do not use baitfish/crayfish.)

- ❍ Don't use baitfish/crayfish
- ❍ Dump in trash
- ❍ Dump in water where I am fishing
- ❍ Dump on dry land
- ❍ Keep for next trip
- ❍ Give to another angler
- ❍ Other: _____

Q10. Scientific literature shows that angler over-harvest can and does affect yellow perch populations and pumpkinseed, bluegill, and redbreast sunfish populations, as well as sportfishing quality, with the tendency being to remove more of the larger, older fish. In 1996, DEC placed daily take limits of 50 yellow perch and 50 pumpkinseed, bluegill, and redbreast sunfish for most of the State's waters to conserve these species.

What effect do you think the sale of angler-caught yellow perch and pumpkinseed, bluegill, and redbreast sunfish in New York has on these fisheries? (Please check one effect for each species.)

	Is very harmful to the fishery	Is somewhat harmful to the fishery	Is somewhat beneficial to the fishery	Is very beneficial to the fishery
Yellow perch	❍	❍	❍	❍
Pumpkinseed, bluegill, and redbreast sunfish	❍	❍	❍	❍

Q11. Please rank the **2** actions that would encourage you to increase your fishing activity. (Please rank only **2**, with #1 being the action most likely to increase your fishing activity; leave the rest blank.)

Rank (Top 2 only)	Action
	Provide better information on where to fish.
	Increase the number of locations to launch a motorboat.
	Increase the number of locations to launch non-motorized boat/watercraft.
	Increase the number of locations for fishing from the shore.
	Increase the number of locations for fishing from a fishing pier.
	Provide additional information on current fishing opportunities/conditions.
	Provide better/more information on how to fish for certain species.
	Provide fishing opportunities closer to where you live.
	Simplify the State's fishing regulations.

Background Information

What is your current age? _____ years Are you…? ❍ Male ❍ Female

Please continue to Q12 on page 6. ➡

Q12. Please indicate how often you harvest the species listed below if they are of legal size.
(If you do not fish for the species, leave the row blank.)

	Always	Frequently	Occasionally	Never
Smallmouth bass	O	O	O	O
Largemouth bass	O	O	O	O
Bullhead	O	O	O	O
Carp	O	O	O	O
Channel catfish	O	O	O	O
Crappie / calico bass	O	O	O	O
Coho / Chinook salmon	O	O	O	O
Landlocked Atlantic salmon	O	O	O	O
Lake trout	O	O	O	O
Muskie	O	O	O	O
Northern pike	O	O	O	O
Pickerel	O	O	O	O
Steelhead	O	O	O	O
Striped bass (freshwater only)	O	O	O	O
Sunfish (bluegill, pumpkinseed, redbreast, rock bass)	O	O	O	O
Tiger muskellunge	O	O	O	O
Brook trout	O	O	O	O
Brown trout	O	O	O	O
Rainbow trout	O	O	O	O
Walleye	O	O	O	O
Yellow perch	O	O	O	O

Q13. On what waters in New York State *(that currently have public access)* do you desire to have improved public access?
(Please provide names of waterbody, county, and nearest town or village.)

Waterbody	County	Nearest town or village

Q14. What New York State waters that *do NOT currently have public access* would you like to see access provided to?
(Please provide names of waterbody, county, and nearest town or village.)

Waterbody	County	Nearest town or village

Q15. Which current DEC access site would you like to see expanded or improved?

DEC Access Site	Waterbody	County	Suggested improvement(s)

That is the end of the survey. Thank you for your participation. Your input is very important to DEC.
Please return your completed survey in the provided envelope.

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ABOUT RESPONSIVE MANAGEMENT

Responsive Management is an internationally recognized survey research firm specializing in natural resource and outdoor recreation issues. Our mission is to help natural resource and outdoor recreation agencies, businesses, and organizations better understand and work with their constituents, customers, and the public.

Focusing only on natural resource and outdoor recreation issues, Responsive Management has conducted telephone, mail, and online surveys, as well as multi-modal surveys, on-site intercepts, focus groups, public meetings, personal interviews, needs assessments, program evaluations, marketing and communication plans, and other forms of human dimensions research measuring how people relate to the natural world for more than 30 years. Utilizing our in-house, full-service survey facilities with 75 professional interviewers, we have conducted studies in all 50 states and 15 countries worldwide, totaling more than 1,000 human dimensions projects and almost $70 million in research *only* on natural resource and outdoor recreation issues.

Responsive Management has conducted research for every state fish and wildlife agency and every federal natural resource agency, including the U.S. Fish and Wildlife Service, the National Park Service, the U.S. Forest Service, Bureau of Land Management, U.S. Coast Guard, and the National Marine Fisheries Service. Additionally, we have also provided research for all the major conservation NGOs including the Archery Trade Association, the American Sportfishing Association, the Association of Fish and Wildlife Agencies, Dallas Safari Club, Ducks Unlimited, Environmental Defense Fund, the Izaak Walton League of America, the National Rifle Association, the National Shooting Sports Foundation, the National Wildlife Federation, the Recreational Boating and Fishing Foundation, the Rocky Mountain Elk Foundation, Safari Club International, the Sierra Club, Trout Unlimited, and the Wildlife Management Institute. Other nonprofit and NGO clients include the American Museum of Natural History, the BoatUS Foundation, the National Association of Conservation Law Enforcement Chiefs, the National Association of State Boating Law Administrators, and the Ocean Conservancy. As well, Responsive Management conducts market research and product testing for numerous outdoor recreation manufacturers and industry leaders, such as Winchester Ammunition, Vista Outdoor (whose brands include Federal Premium, CamelBak, Bushnell, Primos, and more), Trijicon, Yamaha, and others.

Responsive Management also provides data collection for the nation's top universities, including Auburn University, Clemson University, Colorado State University, Duke University, George Mason University, Michigan State University, Mississippi State University, North Carolina State University, Oregon State University, Penn State University, Rutgers University, Stanford University, Texas Tech, University of California-Davis, University of Florida, University of Montana, University of New Hampshire, University of Southern California, Virginia Tech, West Virginia University, Yale University, and many more.

Our research has been upheld in U.S. Courts, used in peer-reviewed journals, and presented at major wildlife and natural resource conferences around the world. Responsive Management's research has also been featured in many of the nation's top media, including *Newsweek*, *The Wall Street Journal*, *The New York Times*, CNN, National Public Radio, and on the front pages of *The Washington Post* and *USA Today*.

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