

# Appendix C

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## Appendix C. Selected Data From Screening Interviews

The 1991 Survey of Fishing, Hunting, and Wildlife-Associated Recreation was carried out in two phases. The first (or screening) phase was conducted in January and February 1991. The main purpose of this phase was to collect information about persons 16 years old and older in order to develop a sample of potential sportsmen and nonconsumptive participants for the second (or detailed) phase. Information was also collected on the number of persons 6 to 15 years old who participated in wildlife-related recreation activities in 1990. These data are reported here in order to include the recreation activity of 6 to 15 year olds in this report. It is important to emphasize that the information from the 1991 screening questionnaires relate to activity only up to and including 1990. Also, these data were based on long-term recall (at least 12-month recall was required for most of these tables) and were reported, in most cases, by one household respondent speaking for all household members rather than the short-term recall of the actual participant, as in the case of the 1991 detailed phase.

Tables C-1, C-2, and C-3 report data on participants 6 years old and older for the most recent year an individual hunted, sportsmen 6 years and older who participated for the first time in 1990, and sportsmen 6 years and older who participated in 1989 but not in 1990. The remainder of the tables, C-4 thru C-11, report data specifically on 6 to 15 year-old participants in 1990. Detailed expenditures and recreational activity data were not gathered for the 6 to 15 year-old participants.

Because of the difference in methodologies between the screening phase and the detailed phase of the 1991 Survey, the data collected are not comparable. Only participants 16 years old and older were eligible for the detailed phase. The detailed phase was a series of three interviews conducted at 4-month intervals while the screening interviews were all 1-year recall. The shorter recall period of the detailed phase improved data accuracy. It has been found in Survey studies that in many cases longer recall periods result in over-estimating participation in and expenditures on wildlife-related recreation activities.

**Table C-1. Anglers and Hunters Participating for the First Time in 1990, by Age Group**

(Population 6 years old and older. Numbers in thousands)

Age group	Total anglers in 1990	Fishing for first time		Total hunters in 1990	Hunting for first time	
		Number	Percent of anglers in age group		Number	Percent of hunters in age group
<b>Total, all ages</b> .....	65,127	3,589	6	18,782	1,304	7
6 to 8 years .....	4,032	831	21	166	67	40
9 to 11 years .....	4,436	460	10	377	145	39
12 to 15 years .....	5,322	367	7	1,187	336	28
16 to 17 years .....	2,155	102	5	783	116	15
18 to 24 years .....	6,833	336	5	2,480	215	9
25 to 34 years .....	13,934	654	5	4,511	214	5
35 to 44 years .....	12,463	454	4	4,105	120	3
45 to 54 years .....	7,206	180	2	2,573	48	2
55 to 64 years .....	4,609	103	2	1,517	25	2
65 years or older .....	4,136	101	2	1,083	19	2

Note: Data reported on this table are from screening interviews in which in most cases one adult household member responded for all household members. The screening interview required the respondent to recall 12 months worth of activity.

**Table C-2. Anglers and Hunters Participating in 1989 But Not in 1990, by Age Group**

(Population 6 years old and older. Numbers in thousands)

Age group	Anglers		Hunters	
	Number	Percent	Number	Percent
<b>Total, all ages</b> .....	11,693	100	3,568	100
6 to 8 years .....	621	5	26	1
9 to 11 years .....	674	6	56	2
12 to 15 years .....	875	7	173	5
16 to 17 years .....	403	3	87	2
18 to 24 years .....	1,352	12	547	15
25 to 34 years .....	2,610	22	980	27
35 to 44 years .....	2,297	20	756	21
45 to 54 years .....	1,344	11	458	13
55 to 64 years .....	795	7	261	7
65 years or older .....	721	6	221	6

Note: Data reported on this table are from screening interviews in which in most cases one adult household member responded for all household members. The screening interview required the respondent to recall 12 months worth of activity. Includes persons who fished or hunted only in other countries.

**Table C-3. Most Recent Year of Hunting, by Age Group**

(Population 6 years old and older. Numbers in thousands)

Age group	Total, all persons who hunted in 1990 or earlier year		Most recent year of hunting					
			1990		1989		1988	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total, all ages</b> .....	48,167	100	18,782	39	3,568	7	2,228	5
6 to 11 years .....	710	100	543	77	83	12	27	4
12 to 15 years .....	1,491	100	1,187	80	173	12	42	3
16 to 17 years .....	1,033	100	783	76	87	8	56	5
18 to 24 years .....	4,551	100	2,480	54	547	12	419	9
25 to 34 years .....	9,972	100	4,511	45	980	10	611	6
35 to 44 years .....	10,155	100	4,105	40	756	7	432	4
45 to 54 years .....	7,666	100	2,573	34	458	6	313	4
55 to 64 years .....	5,620	100	1,517	27	261	5	159	3
65 years or older.....	6,969	100	1,083	16	221	3	169	2
	<b>Most recent year of hunting</b>							
	<b>1987</b>		<b>1986</b>		<b>1985</b>		<b>Before 1985</b>	
	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>	<b>Number</b>	<b>Percent</b>
<b>Total, all ages</b> .....	1,571	3	1,319	3	1,374	3	19,325	40
6 to 11 years .....	*14	*2	*13	*2	...	...	*23	*3
12 to 15 years .....	*18	*1	*18	*1	*15	*1	39	3
16 to 17 years .....	32	3	*12	*1	*19	*2	43	4
18 to 24 years .....	257	6	173	4	164	4	510	11
25 to 34 years .....	432	4	333	3	392	4	2,713	27
35 to 44 years .....	332	3	310	3	296	3	3,924	39
45 to 54 years .....	203	3	194	3	213	3	3,713	48
55 to 64 years .....	153	3	143	3	117	2	3,270	58
65 years or older.....	130	2	124	2	151	2	5,091	73

Note: Data reported on this table are from screening interviews in which in most cases one adult household member responded for all household members. The screening interview required the respondent to recall 12 months worth of activity.

\* Estimate based on a small sample size.

... Sample size too small to report data reliably.

**Table C-4. Anglers and Hunters 6 to 15 Years Old: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Sportsmen	Total, 6 to 15 years old		12 to 15 years old		9 to 11 years old		6 to 8 years old	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Total sportsmen</b> (Fished or hunted) .....	14,011	100	5,496	100	4,471	100	4,045	100
<b>Total anglers</b> .....	13,790	98	5,322	97	4,436	99	4,032	99
Fished only .....	12,281	88	4,309	78	4,093	92	3,879	96
Fished and hunted .....	1,509	11	1,013	18	342	8	153	4
<b>Total hunters</b> .....	1,730	12	1,187	22	377	8	166	4
Hunted only .....	221	2	174	3	35	1	*13	*(Z)
Hunted and fished .....	1,509	11	1,013	18	342	8	153	4

Note: Detail does not add to total because of multiple responses. Data reported on this table are from screening interviews in which one adult household member responded for all household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity. Includes persons who fished or hunted only in other countries.

(Z) Less than .5 percent.

**Table C-5. Nonconsumptive Participants 6 to 15 Years Old, by Primary Nonconsumptive Activity: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Activity	Total, 6 to 15 years old			12 to 15 years old			9 to 11 years old			6 to 8 years old		
	Number	Percent of participants	Percent of population	Number	Percent of participants	Percent of population	Number	Percent of participants	Percent of population	Number	Percent of participants	Percent of population
<b>Total primary participants</b> ..	17,136	100	48	6,145	100	45	5,468	100	51	5,523	100	49
Nonresidential .....	7,311	43	21	2,374	39	18	2,431	44	22	2,505	45	22
Residential .....	15,406	90	43	5,565	91	41	4,912	90	45	4,928	89	44
Observe wildlife .....	10,892	64	31	3,832	62	28	3,507	64	32	3,553	64	32
Photograph wildlife .....	2,199	13	6	1,006	16	7	692	13	6	501	9	4
Feed wild birds or other wildlife .....	11,924	70	34	4,291	70	32	3,791	69	35	3,842	70	34
Maintain plantings or natural areas .....	3,154	18	9	1,255	20	9	999	18	9	900	16	8

Note: Detail does not add to total because of multiple responses. Columns showing percent of participants are based on the first row of each column. Columns showing percent of population in age group are based on the U.S. population in each age category, including those who did not participate in nonconsumptive activities. Data reported on this table are from screening interviews in which one adult household member responded for household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity. Includes persons who participated only in other countries.

**Table C-6. Selected Characteristics of Anglers and Hunters 6 to 15 Years Old: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Characteristic	U.S. population		Sportsmen (fished or hunted)			Fished only		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
<b>Total persons</b> .....	35,530	100	14,011	39	100	12,281	35	100
<b>Population density of residence</b>								
Urban .....	24,720	70	8,441	34	60	7,731	31	63
Rural .....	10,810	30	5,570	52	40	4,550	42	37
<b>Population size of residence</b>								
MSA .....	26,817	75	9,681	36	69	8,845	33	72
1,000,000 or more .....	14,355	40	4,482	31	32	4,196	29	34
250,000 - 999,999 .....	8,642	24	3,409	39	24	3,094	36	25
50,000 - 249,999 .....	3,819	11	1,790	47	13	1,555	41	13
Outside MSA .....	8,713	25	4,330	50	31	3,436	39	28
<b>Census geographic division</b>								
New England .....	1,645	5	650	39	5	605	37	5
Middle Atlantic .....	4,893	14	1,571	32	11	1,463	30	12
East North Central .....	6,088	17	2,645	43	19	2,328	38	19
West North Central .....	2,611	7	1,470	56	10	1,231	47	10
South Atlantic .....	5,906	17	2,125	36	15	1,867	32	15
East South Central .....	2,307	6	993	43	7	779	34	6
West South Central .....	4,258	12	1,690	40	12	1,385	33	11
Mountain .....	2,196	6	977	45	7	844	38	7
Pacific .....	5,626	16	1,891	34	13	1,781	32	15
<b>Age</b>								
6 to 8 years .....	11,194	32	4,045	36	29	3,879	35	32
9 to 11 years .....	10,824	30	4,471	41	32	4,093	38	33
12 to 15 years .....	13,512	38	5,496	41	39	4,309	32	35
<b>Sex</b>								
Male, total .....	18,185	51	8,836	49	63	7,292	40	59
6 to 8 years .....	5,692	16	2,416	42	17	2,279	40	19
9 to 11 years .....	5,582	16	2,801	50	20	2,469	44	20
12 to 15 years .....	6,911	19	3,619	52	26	2,545	37	21
Female, total .....	17,345	49	5,175	30	37	4,989	29	41
6 to 8 years .....	5,501	15	1,629	30	12	1,600	29	13
9 to 11 years .....	5,242	15	1,669	32	12	1,625	31	13
12 to 15 years .....	6,601	19	1,877	28	13	1,764	27	14
<b>Race</b>								
White .....	28,936	81	12,856	44	92	11,186	39	91
Black .....	4,453	13	629	14	4	593	13	5
All others .....	2,141	6	527	25	4	502	23	4
<b>Annual household income</b>								
Under \$10,000 .....	3,623	10	837	23	6	761	21	6
\$10,000 to \$19,999 .....	5,401	15	1,753	32	13	1,533	28	12
\$20,000 to \$24,999 .....	2,828	8	1,013	36	7	869	31	7
\$25,000 to \$29,999 .....	3,706	10	1,522	41	11	1,312	35	11
\$30,000 to \$49,999 .....	9,186	26	4,323	47	31	3,801	41	31
\$50,000 to \$74,999 .....	4,869	14	2,376	49	17	2,110	43	17
\$75,000 or more .....	2,539	7	1,199	47	9	1,056	42	9
Not reported .....	3,379	10	988	29	7	837	25	7

(continued)

**Table C-6. Selected Characteristics of Anglers and Hunters 6 to 15 Years Old: 1990—Continued**

(Population 6 to 15 years old. Numbers in thousands)

Characteristic	Hunted only			Fished and hunted		
	Number	Percent who participated	Percent	Number	Percent who participated	Percent
<b>Total persons</b> .....	221	1	100	1,509	4	100
<b>Population density of residence</b>						
Urban .....	84	(Z)	38	626	3	41
Rural .....	137	1	62	883	8	59
<b>Population size of residence</b>						
MSA .....	*102	*(Z)	*46	734	3	49
1,000,000 or more .....	25	(Z)	11	261	2	17
250,000 - 999,999 .....	28	(Z)	13	286	3	19
50,000 - 249,999 .....	48	1	22	187	5	12
Outside MSA .....	120	1	54	775	9	51
<b>Census geographic division</b>						
New England .....	*5	*(Z)	*2	40	2	3
Middle Atlantic .....	*18	*(Z)	*8	90	2	6
East North Central .....	*33	*1	*15	285	5	19
West North Central .....	29	1	13	210	8	14
South Atlantic .....	43	1	20	215	4	14
East South Central .....	25	1	11	190	8	13
West South Central .....	*29	*1	*13	276	6	18
Mountain .....	25	1	11	108	5	7
Pacific .....	*15	*(Z)	*7	94	2	6
<b>Age</b>						
6 to 8 years .....	*13	*(Z)	*6	153	1	10
9 to 11 years .....	35	(Z)	16	342	3	23
12 to 15 years .....	174	1	78	1,013	7	67
<b>Sex</b>						
Male, total .....	188	1	85	1,357	7	90
6 to 8 years .....	*9	*(Z)	*4	128	2	9
9 to 11 years .....	30	1	13	303	5	20
12 to 15 years .....	149	2	67	925	13	61
Female, total .....	34	(Z)	15	152	1	10
6 to 8 years .....	...	...	...	25	(Z)	2
9 to 11 years .....	*5	*(Z)	*2	39	1	3
12 to 15 years .....	24	(Z)	11	88	1	6
<b>Race</b>						
White .....	210	1	95	1,460	5	97
Black .....	...	...	...	29	1	2
All others .....	*4	*(Z)	*2	21	1	1
<b>Annual household income</b>						
Under \$10,000 .....	*16	*(Z)	*7	60	2	4
\$10,000 to \$19,999 .....	29	1	13	191	4	13
\$20,000 to \$24,999 .....	*13	*(Z)	*6	131	5	9
\$25,000 to \$29,999 .....	37	1	17	172	5	11
\$30,000 to \$49,999 .....	63	1	28	459	5	30
\$50,000 to \$74,999 .....	*20	*(Z)	*9	246	5	16
\$75,000 or more .....	*20	*1	*9	123	5	8
Not reported .....	*24	*1	*11	127	4	8

Note: Percent who participated shows the percent of each row's population who participated in the activity named by the column (the percent of those living in urban areas who fished only, etc.). Percent columns show the percent of each column's participants who are described by the row heading (the percent of those who fished only who lived in urban areas, etc.). Data reported are from screening interviews in which one adult household member responded for all household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity.

\* Estimate based on a small sample size.

... Sample size too small to report data reliably.

(Z) Less than .5 percent.

**Table C-7. Selected Characteristics of Primary Nonconsumptive Participants 6 to 15 Years Old: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Characteristic	U.S. population		Primary participants								
			Total			Nonresidential			Residential		
	Number	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent	Number	Percent who participated	Percent
<b>Total persons</b> .....	35,530	100	17,136	48	100	7,311	21	100	15,406	43	100
<b>Population density of residence</b>											
Urban .....	24,720	70	10,964	44	64	4,792	19	66	9,678	39	63
Rural .....	10,810	30	6,172	57	36	2,519	23	34	5,728	53	37
<b>Population size of residence</b>											
MSA .....	26,817	75	12,479	47	73	5,352	20	73	11,143	42	72
1,000,000 or more .....	14,355	40	6,094	42	36	2,618	18	36	5,431	38	35
250,000 - 999,999 .....	8,642	24	4,280	50	25	1,805	21	25	3,838	44	25
50,000 - 249,999 .....	3,819	11	2,106	55	12	929	24	13	1,874	49	12
Outside MSA .....	8,713	25	4,657	53	27	1,959	22	27	4,263	49	28
<b>Census geographic division</b>											
New England .....	1,645	5	924	56	5	406	25	6	854	52	6
Middle Atlantic .....	4,893	14	2,135	44	12	900	18	12	1,930	39	13
East North Central .....	6,088	17	3,451	57	20	1,488	24	20	3,174	52	21
West North Central .....	2,611	7	1,577	60	9	720	28	10	1,400	54	9
South Atlantic .....	5,906	17	2,834	48	17	1,064	18	15	2,604	44	17
East South Central .....	2,307	6	1,029	45	6	364	16	5	946	41	6
West South Central .....	4,258	12	1,744	41	10	613	14	8	1,592	37	10
Mountain .....	2,196	6	1,161	53	7	637	29	9	972	44	6
Pacific .....	5,626	16	2,282	41	13	1,119	20	15	1,933	34	13
<b>Age</b>											
6 to 8 years .....	11,194	32	5,523	49	32	2,505	22	34	4,928	44	32
9 to 11 years .....	10,824	30	5,468	51	32	2,431	22	33	4,912	45	32
12 to 15 years .....	13,512	38	6,145	45	36	2,374	18	32	5,565	41	36
<b>Sex</b>											
Male, total .....	18,185	51	9,077	50	53	3,871	21	53	8,240	45	53
6 to 8 years .....	5,692	16	2,872	50	17	1,309	23	18	2,596	46	17
9 to 11 years .....	5,582	16	2,960	53	17	1,310	23	18	2,683	48	17
12 to 15 years .....	6,911	19	3,244	47	19	1,253	18	17	2,961	43	19
Female, total .....	17,345	49	8,060	46	47	3,439	20	47	7,166	41	47
6 to 8 years .....	5,501	15	2,651	48	15	1,196	22	16	2,332	42	15
9 to 11 years .....	5,242	15	2,507	48	15	1,122	21	15	2,229	43	14
12 to 15 years .....	6,601	19	2,901	44	17	1,122	17	15	2,604	39	17
<b>Race</b>											
White .....	28,936	81	15,309	53	89	6,692	23	92	13,765	48	89
Black .....	4,453	13	1,110	25	6	309	7	4	1,016	23	7
All others .....	2,141	6	717	33	4	310	14	4	624	29	4
<b>Annual household income</b>											
Under \$10,000 .....	3,623	10	1,130	31	7	423	12	6	976	27	6
\$10,000 to \$19,999 .....	5,401	15	2,122	39	12	809	15	11	1,932	36	13
\$20,000 to \$24,999 .....	2,828	8	1,314	46	8	548	19	7	1,164	41	8
\$25,000 to \$29,999 .....	3,706	10	1,803	49	11	792	21	11	1,591	43	10
\$30,000 to \$49,999 .....	9,186	26	5,153	56	30	2,256	25	31	4,609	50	30
\$50,000 to \$74,999 .....	4,869	14	2,778	57	16	1,274	26	17	2,554	52	17
\$75,000 or more .....	2,539	7	1,483	58	9	700	28	10	1,357	53	9
Not reported .....	3,379	10	1,353	40	8	509	15	7	1,223	36	8

Note: Detail does not add to total because of multiple responses. Percent who participated shows the percent of each row's population who participated in the activity named by the column (the percent of those living in urban areas who were residential participants, etc. ). Percent columns show the percent of each column's participants who are described by the row heading (the percent of those who were residential participants who lived in urban areas, etc.). Data reported on this table are from screening interviews in which one adult household member responded for all household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity.

**Table C-8. Participants in Wildlife-Associated Recreation 6 to 15 Years Old, by Participant's State of Residence: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Participant's state of residence	Population	Total participants		Sportsmen		Primary nonconsumptive participants	
		Number	Percent of population	Number	Percent of population	Number	Percent of population
U.S., total.....	35,530	21,784	61	14,011	39	17,136	48
Alabama.....	621	374	60	274	44	257	41
Alaska.....	85	70	83	61	72	56	66
Arizona.....	543	312	57	188	35	243	45
Arkansas.....	369	242	66	185	50	172	47
California.....	4,274	2,003	47	1,252	29	1,478	35
Colorado.....	475	359	76	252	53	282	59
Connecticut.....	409	271	66	147	36	232	57
Delaware.....	95	58	61	35	37	48	50
Florida.....	1,591	956	60	595	37	807	51
Georgia.....	1,013	557	55	335	33	442	44
Hawaii.....	157	86	55	50	32	65	42
Idaho.....	181	147	81	105	58	115	64
Illinois.....	1,619	949	59	620	38	757	47
Indiana.....	824	609	74	390	47	469	57
Iowa.....	411	321	78	225	55	247	60
Kansas.....	377	279	74	195	52	232	61
Kentucky.....	545	372	68	264	48	267	49
Louisiana.....	704	367	52	266	38	259	37
Maine.....	171	132	77	90	53	109	64
Maryland.....	630	366	58	169	27	323	51
Massachusetts.....	706	448	63	249	35	361	51
Michigan.....	1,354	982	73	587	43	887	65
Minnesota.....	644	535	83	394	61	424	66
Mississippi.....	433	231	53	177	41	165	38
Missouri.....	725	520	72	388	54	401	55
Montana.....	125	99	79	73	59	74	59
Nebraska.....	242	197	81	140	58	154	64
Nevada.....	162	97	60	53	33	82	51
New Hampshire.....	155	120	77	73	47	97	63
New Jersey.....	981	569	58	295	30	479	49
New Mexico.....	257	148	57	92	36	111	43
New York.....	2,341	1,091	47	649	28	845	36
North Carolina.....	903	514	57	330	37	382	42
North Dakota.....	101	81	81	64	63	56	56
Ohio.....	1,577	1,101	70	632	40	909	58
Oklahoma.....	477	354	74	231	48	286	60
Oregon.....	406	298	73	190	47	239	59
Pennsylvania.....	1,572	1,018	65	628	40	811	52
Rhode Island.....	125	84	67	44	35	72	58
South Carolina.....	536	279	52	206	38	201	38
South Dakota.....	111	83	74	63	57	63	57
Tennessee.....	708	440	62	279	39	340	48
Texas.....	2,708	1,449	54	1,008	37	1,027	38
Utah.....	376	255	68	165	44	208	55
Vermont.....	79	65	82	47	59	53	68
Virginia.....	804	566	70	328	41	480	60
Washington.....	704	519	74	337	48	444	63
West Virginia.....	262	177	68	119	45	135	52
Wisconsin.....	714	551	77	416	58	428	60
Wyoming.....	77	63	81	49	64	46	60

Note: Detail does not add to total because of multiple responses. U.S. totals include responses from participants residing in the District of Columbia, as described in the statistical reliability appendix. Data reported on this table are from screening interviews in which one adult household member responded for household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity.

**Table C-9. Anglers and Hunters 6 to 15 Years Old, by Sportsman's State of Residence: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Sportsman's state of residence	Population	Fished or hunted		Fished only		Hunted only		Fished and hunted	
		Number	Percent of population	Number	Percent of population	Number	Percent of population	Number	Percent of population
U.S., total	35,530	14,011	39	12,281	35	221	1	1,509	4
Alabama	621	274	44	220	35	...	...	50	8
Alaska	85	61	72	52	61	...	...	8	10
Arizona	543	188	35	171	31	...	...	*13	*2
Arkansas	369	185	50	125	34	...	...	58	16
California	4,274	1,252	29	1,211	28	...	...	*37	*1
Colorado	475	252	53	227	48	...	...	*20	*4
Connecticut	409	147	36	140	34	...	...	*6	*2
Delaware	95	35	37	33	34	...	...	*2	*2
Florida	1,591	595	37	556	35	...	...	*29	*2
Georgia	1,013	335	33	288	28	...	...	39	4
Hawaii	157	50	32	48	30	...	...	*2	*1
Idaho	181	105	58	84	47	*5	*3	16	9
Illinois	1,619	620	38	575	36	...	...	42	3
Indiana	824	390	47	328	40	...	...	60	7
Iowa	411	225	55	186	45	...	...	35	8
Kansas	377	195	52	162	43	...	...	28	7
Kentucky	545	264	48	207	38	*8	*2	48	9
Louisiana	704	266	38	202	29	*14	*2	50	7
Maine	171	90	53	77	45	...	...	12	7
Maryland	630	169	27	154	24	...	...	*11	*2
Massachusetts	706	249	35	238	34	...	...	*11	*2
Michigan	1,354	587	43	514	38	...	...	59	4
Minnesota	644	394	61	334	52	...	...	54	8
Mississippi	433	177	41	123	28	*7	*2	46	11
Missouri	725	388	54	325	45	...	...	58	8
Montana	125	73	59	54	43	*3	*3	16	13
Nebraska	242	140	58	119	49	...	...	18	8
Nevada	162	53	33	47	29	...	...	*4	*3
New Hampshire	155	73	47	69	44	...	...	*3	*2
New Jersey	981	295	30	285	29	...	...	...	...
New Mexico	257	92	36	77	30	*4	*2	*11	*4
New York	2,341	649	28	624	27	...	...	*23	*1
North Carolina	903	330	37	273	30	...	...	47	5
North Dakota	101	64	63	51	50	*2	*2	11	11
Ohio	1,577	632	40	570	36	...	...	58	4
Oklahoma	477	231	48	206	43	...	...	24	5
Oregon	406	190	47	169	42	...	...	*15	*4
Pennsylvania	1,572	628	40	554	35	...	...	59	4
Rhode Island	125	44	35	43	34	...	...	...	...
South Carolina	536	206	38	178	33	...	...	27	5
South Dakota	111	63	57	53	48	*3	*3	*7	*6
Tennessee	708	279	39	229	32	...	...	46	6
Texas	2,708	1,008	37	852	31	...	...	144	5
Utah	376	165	44	142	38	...	...	20	5
Vermont	79	47	59	38	48	...	...	7	9
Virginia	804	328	41	299	37	...	...	*24	*3
Washington	704	337	48	302	43	...	...	31	4
West Virginia	262	119	45	76	29	*8	*3	35	13
Wisconsin	714	416	58	341	48	...	...	66	9
Wyoming	77	49	64	40	52	...	...	8	11

Note: U.S. totals include responses from participants residing "in the District of Columbia, as described in the statistical" reliability appendix. Data reported on this table are from screening interviews in which one adult household member responded for household members 6 to 15 years old.

The screening interviews required the respondent to recall 12 months worth of activity.

\* Estimate based on a small sample size.

... Sample size too small to report data reliably.

**Table C-10. Anglers 6 to 15 Years Old, by State Where Fishing Took Place: 1990**

(Population 6 to 15 years old. Numbers in thousands)

State where fishing took place	Anglers					
	Total anglers, residents and nonresidents		Residents		Nonresidents	
	Number	Percent	Number	Percent	Number	Percent
U.S., total .....	13,790	100	12,080	88	3,232	23
Alabama .....	327	100	246	75	81	25
Alaska .....	83	100	56	67	27	33
Arizona .....	270	100	171	63	99	37
Arkansas .....	290	100	161	56	129	44
California .....	1,179	100	1,108	94	71	6
Colorado .....	344	100	217	63	127	37
Connecticut .....	156	100	123	79	33	21
Delaware .....	63	100	27	43	*36	*57
Florida .....	876	100	542	62	334	38
Georgia .....	314	100	260	83	54	17
Hawaii .....	61	100	47	77	*14	*23
Idaho .....	149	100	93	62	56	38
Illinois .....	532	100	468	88	64	12
Indiana .....	426	100	357	84	69	16
Iowa .....	255	100	209	82	46	18
Kansas .....	183	100	151	83	32	17
Kentucky .....	315	100	237	75	78	25
Louisiana .....	290	100	229	79	61	21
Maine .....	156	100	85	54	71	46
Maryland .....	198	100	138	70	60	30
Massachusetts .....	273	100	209	77	64	23
Michigan .....	631	100	514	81	117	19
Minnesota .....	521	100	371	71	150	29
Mississippi .....	231	100	153	66	78	34
Missouri .....	466	100	360	77	106	23
Montana .....	108	100	65	60	43	40
Nebraska .....	153	100	130	85	23	15
Nevada .....	65	100	37	57	*28	*43
New Hampshire .....	137	100	66	48	71	52
New Jersey .....	353	100	244	69	109	31
New Mexico .....	131	100	74	56	57	44
New York .....	643	100	547	85	96	15
North Carolina .....	407	100	276	68	131	32
North Dakota .....	59	100	45	76	*14	*24
Ohio .....	619	100	536	87	83	13
Oklahoma .....	272	100	213	78	59	22
Oregon .....	264	100	169	64	95	36
Pennsylvania .....	651	100	542	83	109	17
Rhode Island .....	75	100	38	51	37	49
South Carolina .....	287	100	186	65	101	35
South Dakota .....	93	100	53	57	40	43
Tennessee .....	320	100	242	76	78	24
Texas .....	879	100	798	91	81	9
Utah .....	205	100	144	70	61	30
Vermont .....	70	100	41	59	29	41
Virginia .....	357	100	280	78	77	22
Washington .....	366	100	305	83	61	17
West Virginia .....	124	100	98	79	*26	*21
Wisconsin .....	574	100	370	64	204	36
Wyoming .....	97	100	47	48	50	52

Note: For the U.S. row, detail does not add to total because of multiple responses. U.S. totals include responses from participants residing in the District of Columbia, as described in the statistical reliability appendix. Data reported on this table are from screening interviews in which one adult household member responded for household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity.

\* Estimate based on a small sample size.

**Table C-11. Participants in Nonconsumptive Activities 6 to 15 Years Old, by Participant's State of Residence: 1990**

(Population 6 to 15 years old. Numbers in thousands)

Participant's state of residence	Population	Primary participants					
		Total		Nonresidential		Residential	
		Number	Percent of population	Number	Percent of population	Number	Percent of population
U.S., total	35,530	17,136	48	7,311	21	15,406	43
Alabama	621	257	41	90	14	237	38
Alaska	85	56	66	34	40	47	55
Arizona	543	243	45	113	21	203	37
Arkansas	369	172	47	58	16	163	44
California	4,274	1,478	35	741	17	1,216	28
Colorado	475	282	59	154	32	245	52
Connecticut	409	232	57	80	20	214	52
Delaware	95	48	51	20	21	43	45
Florida	1,591	807	51	398	25	697	44
Georgia	1,013	442	44	142	14	406	40
Hawaii	157	65	41	29	18	58	37
Idaho	181	115	64	73	40	91	50
Illinois	1,619	757	47	304	19	685	42
Indiana	824	469	57	180	22	440	53
Iowa	411	247	60	110	27	219	53
Kansas	377	232	62	110	29	203	54
Kentucky	545	267	49	107	20	236	43
Louisiana	704	259	37	72	10	245	35
Maine	171	109	64	58	34	99	58
Maryland	630	323	51	131	21	302	48
Massachusetts	706	361	51	173	25	332	47
Michigan	1,354	887	66	386	29	837	62
Minnesota	644	424	66	207	32	366	57
Mississippi	433	165	38	51	12	155	36
Missouri	725	401	55	167	23	365	50
Montana	125	74	59	48	38	61	49
Nebraska	242	154	64	81	33	138	57
Nevada	162	82	51	53	33	64	40
New Hampshire	155	97	63	41	26	92	59
New Jersey	981	479	49	196	20	449	46
New Mexico	257	111	43	53	21	93	36
New York	2,341	845	36	406	17	741	32
North Carolina	903	382	42	102	11	365	40
North Dakota	101	56	55	21	21	52	51
Ohio	1,577	909	58	399	25	824	52
Oklahoma	477	286	60	122	26	255	53
Oregon	406	239	59	126	31	211	52
Pennsylvania	1,572	811	52	298	19	740	47
Rhode Island	125	72	58	28	22	69	55
South Carolina	536	201	38	48	9	193	36
South Dakota	111	63	57	24	22	57	51
Tennessee	708	340	48	116	16	318	45
Texas	2,708	1,027	38	362	13	929	34
Utah	376	208	55	115	31	175	47
Vermont	79	53	67	25	32	49	62
Virginia	804	480	60	168	21	457	57
Washington	704	444	63	189	27	401	57
West Virginia	262	135	52	46	18	127	48
Wisconsin	714	428	60	218	31	388	54
Wyoming	77	46	60	28	36	39	51

Note: Detail does not add to total because of multiple responses. U.S. totals include responses from participants residing in the District of Columbia, as described in the statistical reliability appendix. Data reported on this table are from screening interviews in which one adult household member responded for all household members 6 to 15 years old. The screening interview required the respondent to recall 12 months worth of activity.