

1975 NATIONAL SURVEY OF HUNTING, FISHING AND WILDLIFE-ASSOCIATED RECREATION



CONDUCTED BY
NATIONAL ANALYSTS
DIVISION OF BOOZ · ALLEN & HAMILTON
PHILADELPHIA, PA.

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering the wisest use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to assure that their development is in the best interests of all our people. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

**1975 NATIONAL SURVEY OF HUNTING, FISHING
AND WILDLIFE-ASSOCIATED RECREATION**

U.S. DEPARTMENT OF THE INTERIOR

U.S. FISH AND WILDLIFE SERVICE

WASHINGTON, D.C. 1977

TABLE OF CONTENTS

FOREWORD	<i>i</i>
INTRODUCTION	<i>ii</i>
WILDLIFE-RELATED ACTIVITIES	1
FISHING IN THE U.S.	5
HUNTING IN THE U.S.	33

APPENDICES

APPENDIX A: DIFFERENCES BETWEEN SURVEYS

APPENDIX B: STATISTICAL TABULATIONS

APPENDIX C: DEFINITIONS

APPENDIX D: EXPLANATORY NOTES ON TABLES

FOREWORD

This is the fifth survey of fishing and hunting activities conducted by the U.S. Fish and Wildlife Service since 1955. In addition to information on hunting and fishing activities, statistics on wildlife observation, wildlife photography, recreational shooting, and crabbing and clamming are reported here.

The information presented demonstrates the extent to which people are participating in recreation related to our fish and wildlife resources. The time and the money being expended on wildlife-related activities and the immense diversity between participants also are shown. In addition to these aspects, the value of these pursuits to us — that is, what we are willing to give up to continue pursuing these activities — is measured.

The reasons for the extensive participation in wildlife-related activities are as varied as the participants themselves. We have more leisure time than ever before; we have more money at our disposal than in the past; and, we are more mobile. At least as significant, however, are the less obvious reasons. The composition of our society creates a need to escape from our busied lives. We need the soothing song of a mountain stream and the calming rhythm of the lapping waves for mental regeneration.

There is a natural fascination and curiosity about the lives of other creatures and their interrelationships. There is a realization of the importance of these resources in maintaining our world as a whole. There is a desire to experience the outdoors as it was experienced by our forefathers in their struggle to tame the wilderness; and, there is a yearning to discover whatever wildness is left. We have become far enough removed from

the daily interaction of the resource in our lives to develop a yen once again to be one with it. Our national standard of living now allows us to satisfy the calling.

This study is paid for by the very sportsmen who benefit from the data. As in the past, the costs are paid from excise taxes on sporting arms, ammunition, archery equipment, and fishing tackle.

We surveyed more than 2,000 households by phone and sent questionnaires to at least 1,000 hunters and anglers in every State. Of those called, anyone 9 years old or older who hunted or fished on at least one day in 1975 was eligible to participate in the mail survey.

All of the knowledge gained from this study is of little value unless it is applied to management and preservation of the resources we now have and to the creation of more resources to serve future public demand. This study provides State and Federal resource planners with an indication of the types and extent of these demands. Most importantly, it will assist them to establish the programs and priorities necessary to assure the continued availability of the recreational opportunities afforded by our fish and wildlife resources, both now and in the future.



Lynn A. Greenwalt
Director
U.S. Fish and Wildlife Service

INTRODUCTION

Of the 184.3 million people 9 years of age or older residing in the United States in 1975, 95.9 million of them participated in one of the wildlife-related activities studied in this, the fifth national survey of hunting and fishing activities. The activities surveyed range from hunting and fishing to observing and photographing wildlife in its natural environs to crabbing, clamping, and shell collecting to shooting as recreation. Some of the findings of this study are consistent with expectations while other data are surprising and give pause for thought. They substantiate and mitigate arguments propounded by both the "for's and agin's" of various wildlife conservation issues. Just a hint of some of the results contained in this report follow.

Hunting participation reported in 1975 for persons 9 years old or older was 20,591,000.

The number of fishermen identified in 1975 who were at least 9 years old was 53,929,000.

Of the estimated 49,314,000 persons engaged in wildlife observation, 23,640,000, or nearly one-half of these individuals, are hunters and fishermen.

Wildlife photography, in 1975, was a pastime for 7,790,000 hunters and fishermen, and for nearly an equal number of non-hunters and non-fishermen (7,202,000).

While 16,188,000 persons participated in some form of recreational shooting with firearms, 22 percent of these were non-hunters and non-anglers, 26 percent were anglers, and 52 percent were hunters. In other words, 48 percent of those who shot firearms for recreation were not hunters.

This survey was conducted by National Analysts of Philadelphia. It was a two-phase study consisting of an initial telephone interview phase and a followup mail questionnaire phase. In the first phase (telephone), 106,294 households throughout the country were contacted to identify the incidence of hunting, fishing and selected wildlife-associated recreational activities.

A total of 20,211 of the individuals who were identified in the telephone phase as having hunted or fished at any time in calendar year 1975 returned useable mail questionnaires in the second phase. Detailed information on participation, expenditures, preferences, and economic value estimates were provided in this second phase.

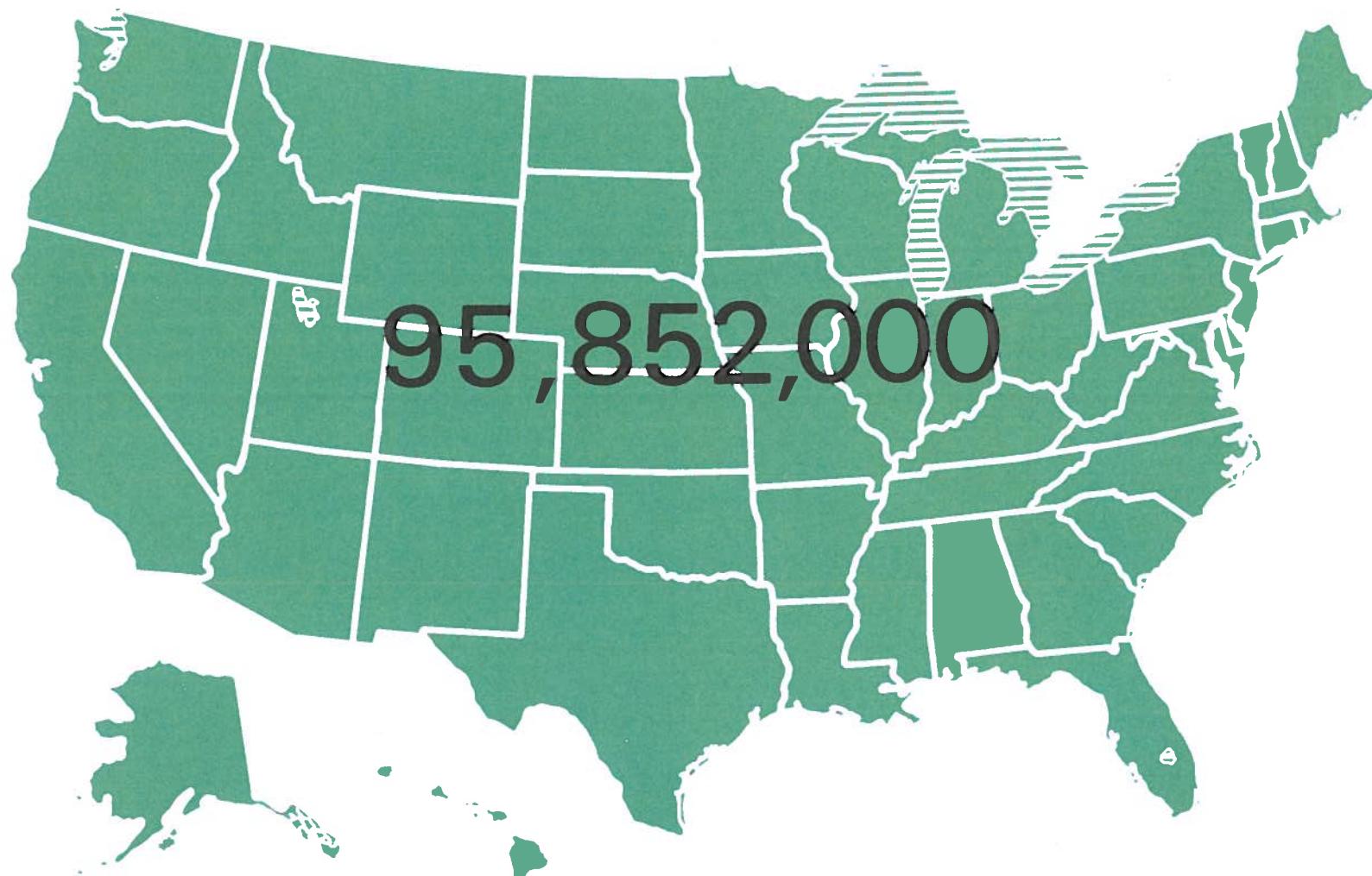
These surveys, conducted at 5-year intervals since 1955, provide indices and trends in the public use of fish and wildlife resources. At the request of state fish and wildlife agencies and other national conservation organizations, the 1975 survey was altered in both scope and detail from previous efforts. In addition to the information on participation, socioeconomic, and demographic characteristics of hunters and fishermen collected in previous surveys, the 1975 survey attempted to obtain information about resource values and public preferences for fish and wildlife.

Participation in the survey was open to persons 9 years old or over, living in a telephone household. No distinction was drawn between a person who hunted or fished only one day throughout the year and one who did those activities to a substantial degree. In contrast, previous surveys collected detailed information from only those who were at least 12 years old and had participated substantially in hunting and fishing during the year. Additionally, the 1975 survey was designed to provide state-level reliability for certain categories of information and increased the coverage of nonconsumptive wildlife-associated recreation.

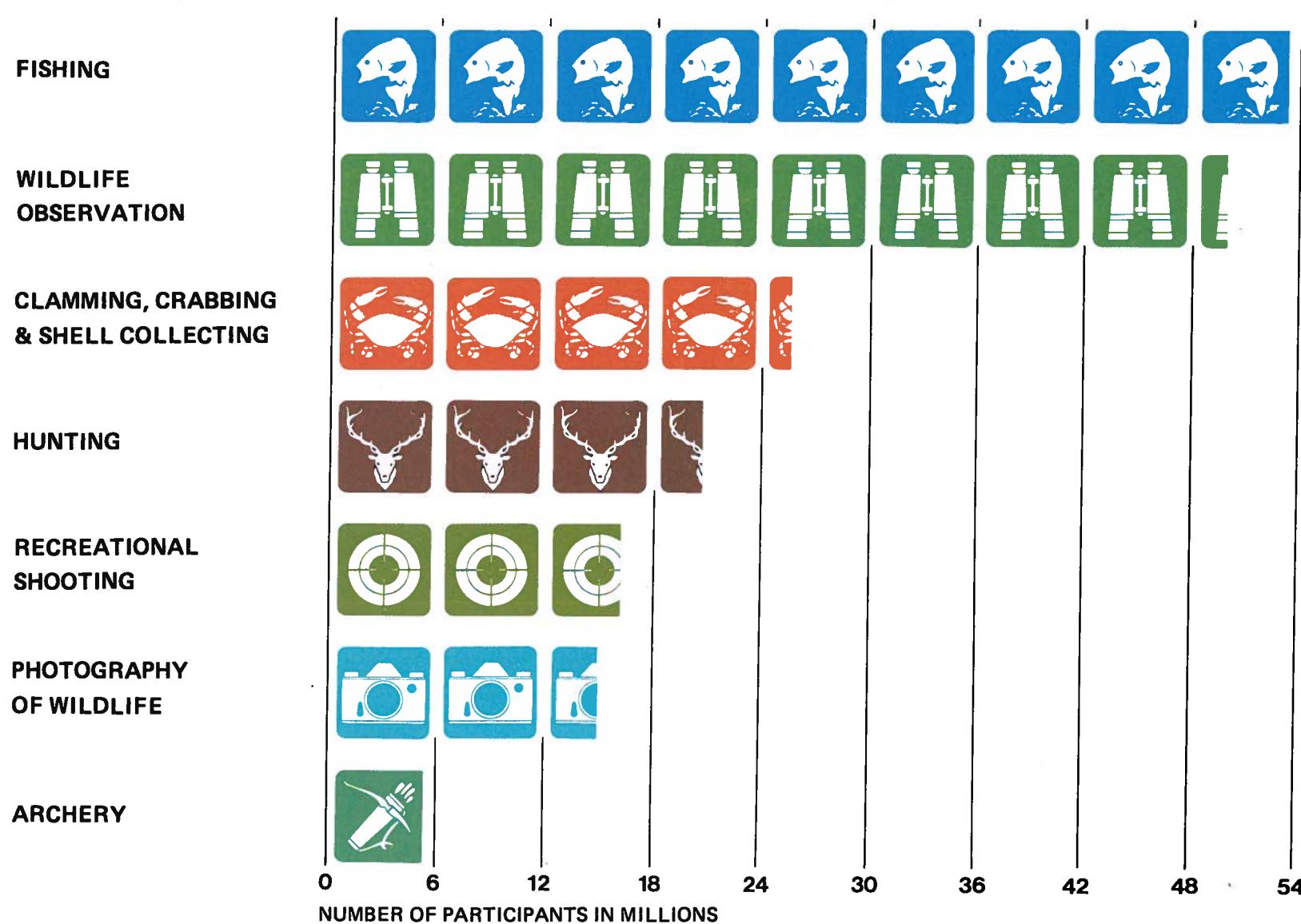
In general, compilation of data concentrated primarily on major categories of participatory, economic, socioeconomic and demographic information, thereby omitting many of the detailed items enumerated in previous studies. In view of the altered scope of the survey and the altered design, comparisons drawn between this and the other surveys will, in most instances, be hazardous.

Results shown in the graphs and in the tables on the following pages are a compilation of statistics obtained from information gathered at the state level. The fish and wildlife agency of each state reviewed the results derived for their state prior to incorporation into the national statistics.

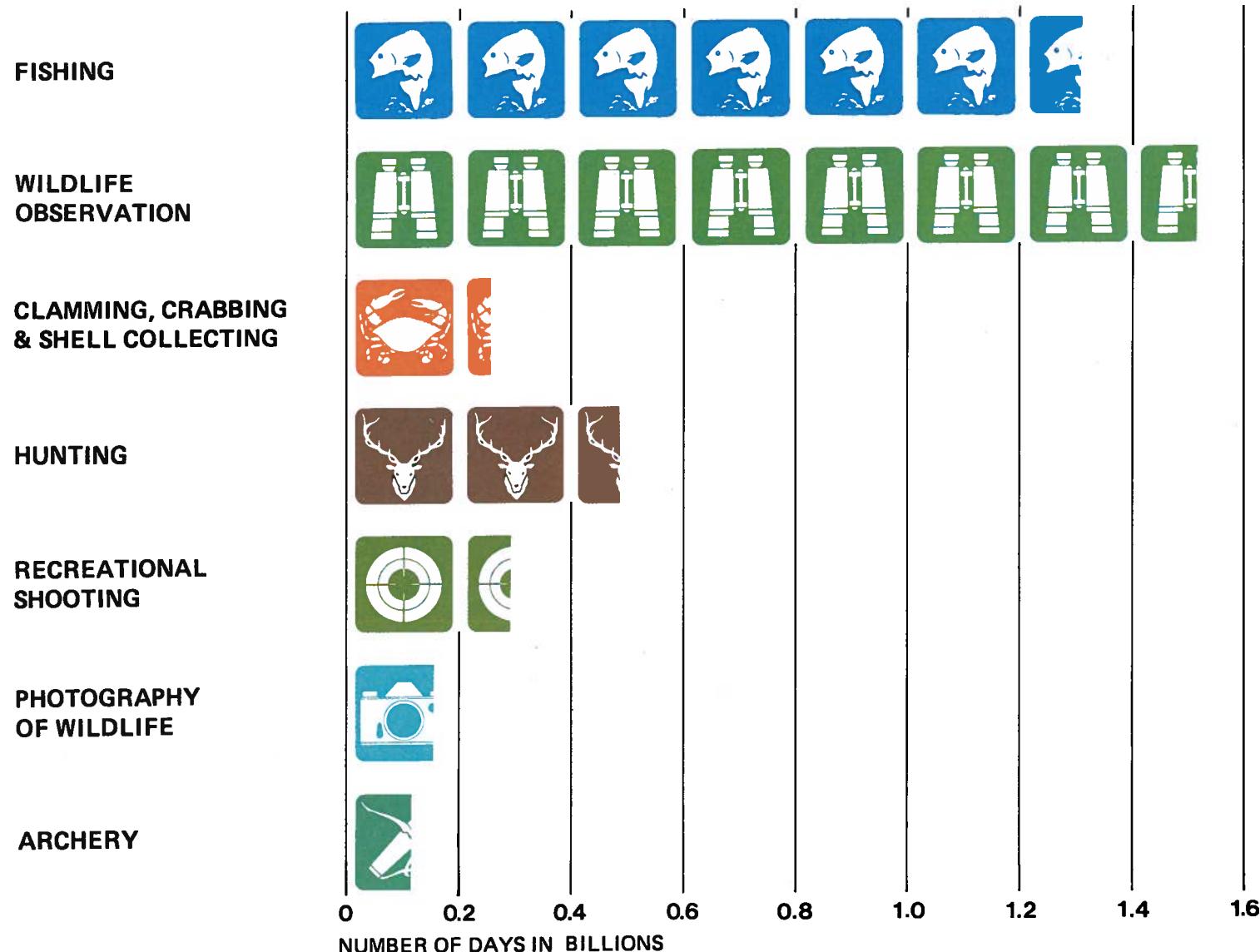
**MORE THAN 95 MILLION AMERICANS PARTICIPATED IN
SOME WILDLIFE-RELATED ACTIVITY IN 1975**



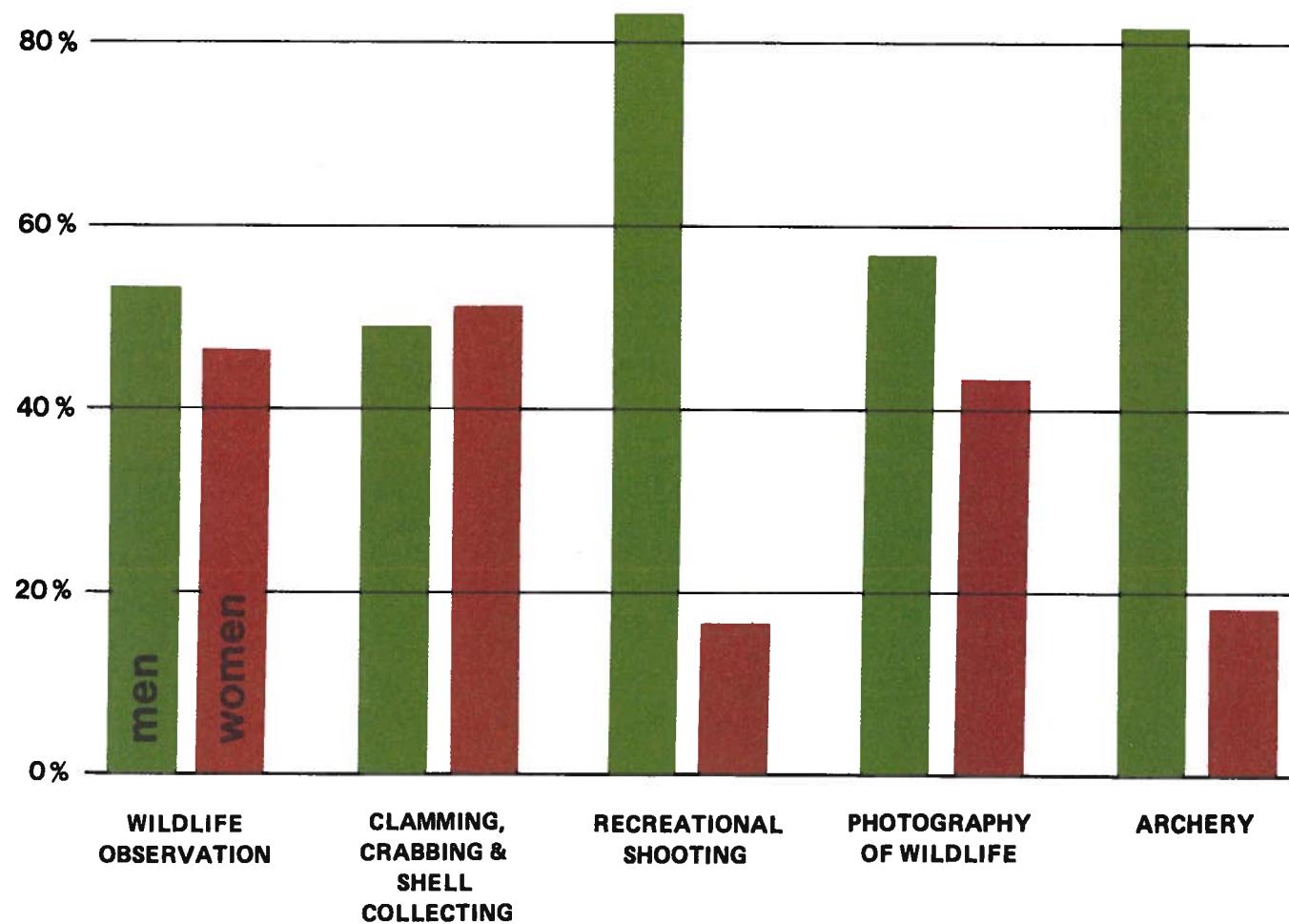
**IN 1975, AMERICANS PARTICIPATED IN THE FOLLOWING
WILDLIFE-RELATED ACTIVITIES**



THESE AMERICANS SPENT 4.2 BILLION DAYS PARTICIPATING IN WILDLIFE-RELATED ACTIVITIES



THE MAJORITY OF AMERICANS PARTICIPATING IN WILDLIFE-RELATED ACTIVITIES ARE MEN

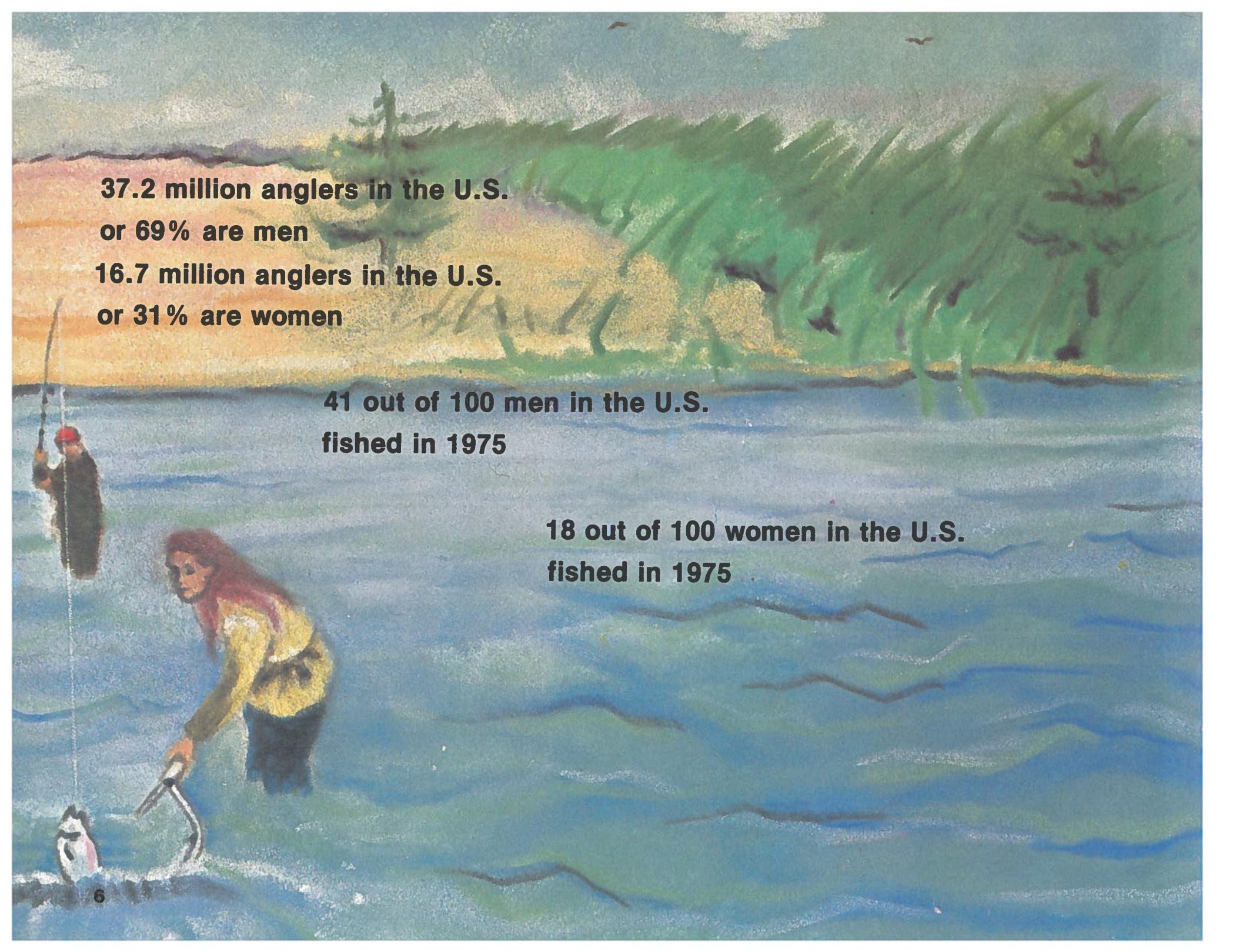


FISHING IN THE U.S. IN 1975

**53.9 million
americans fished
in 1975**

**They participated
in more than
1.3 billion days
of fishing
for an average of
24.5 days
per angler in 1975**

**They spent
15.2 billion dollars
for fishing
activities for an
average of
\$282 per angler
\$11.50 per fishing
day**

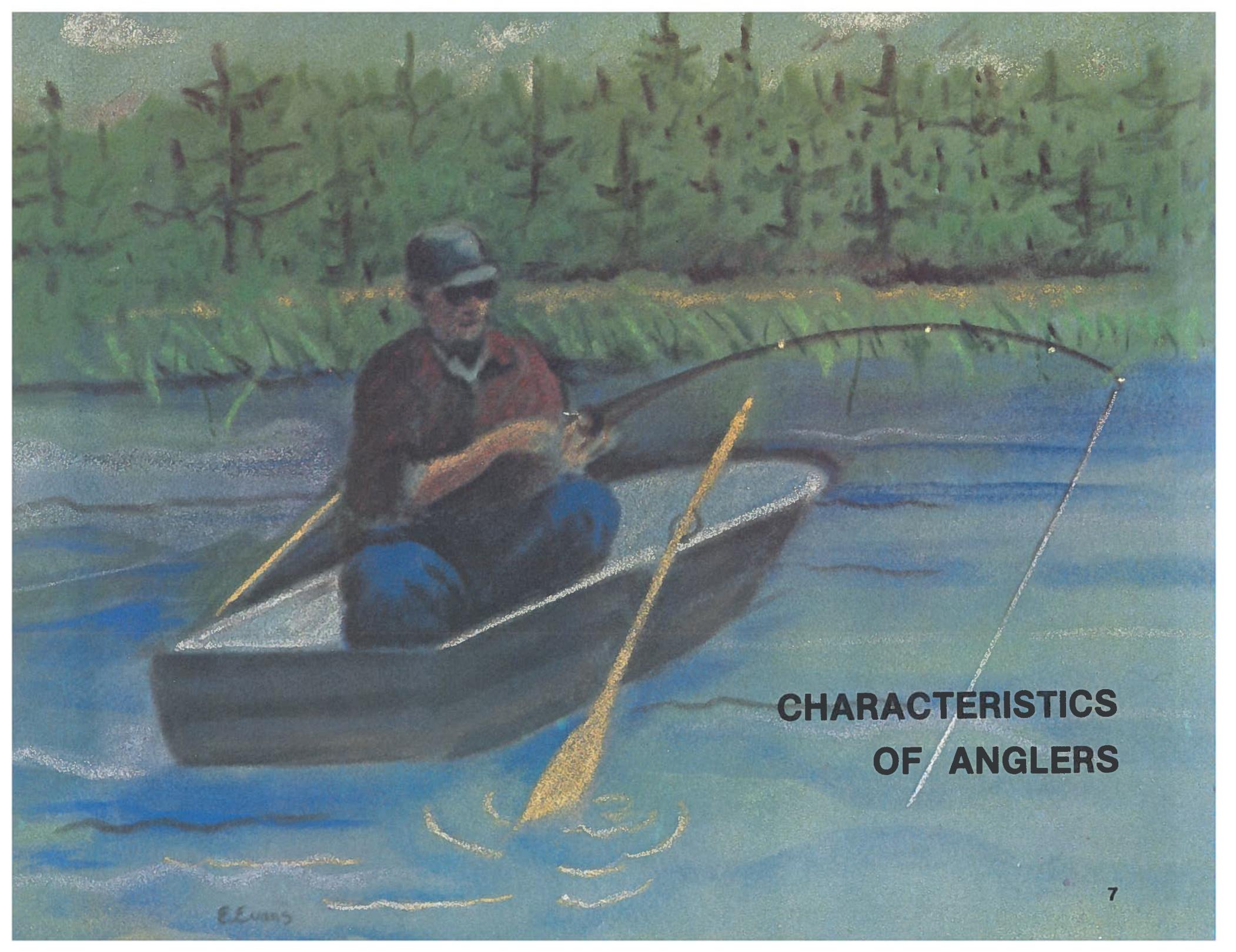


**37.2 million anglers in the U.S.
or 69% are men**

**16.7 million anglers in the U.S.
or 31% are women**

**41 out of 100 men in the U.S.
fished in 1975**

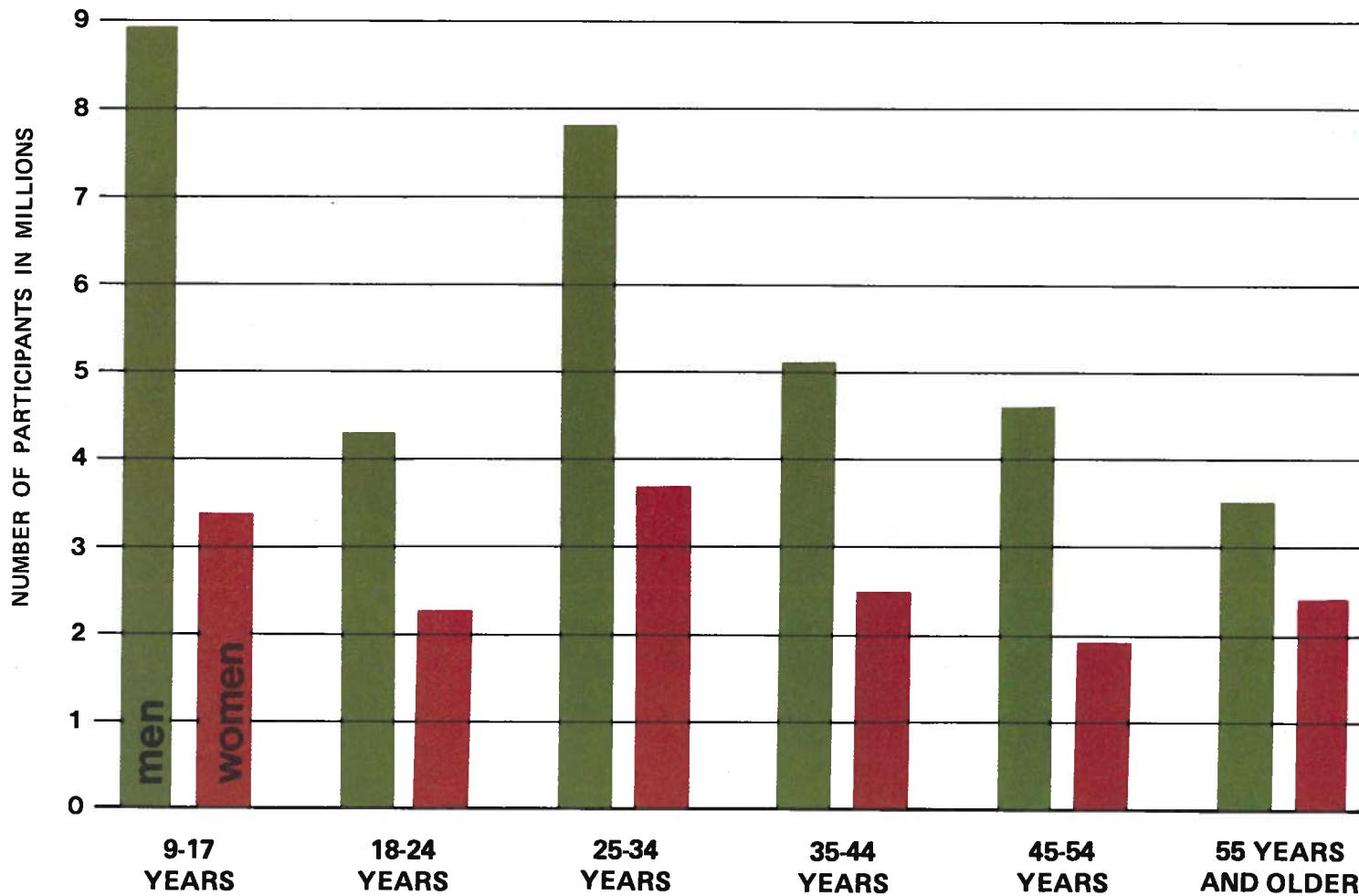
**18 out of 100 women in the U.S.
fished in 1975**



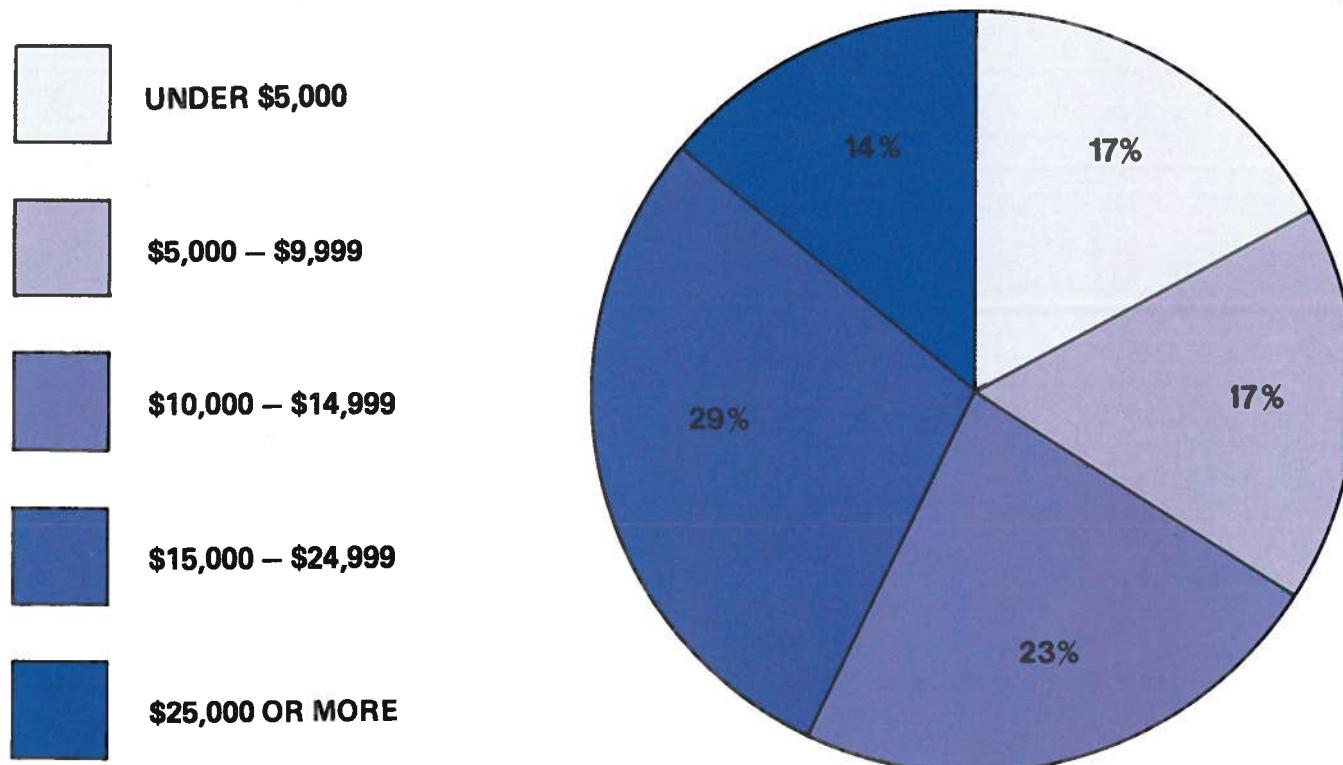
A painting by Georges Seurat titled "Angler" (Le Pêcheur). It depicts a man in a dark boat, wearing a dark cap and a dark jacket with a red collar, fishing with a long pole. The boat is on a body of water with visible ripples. In the background, there is a green shoreline with trees and bushes. The style is pointillist, using small dots of color.

CHARACTERISTICS OF ANGLERS

**AVERAGE AGE OF BOTH MEN AND
WOMEN ANGLERS IN THE U.S. IS 34 YEARS**

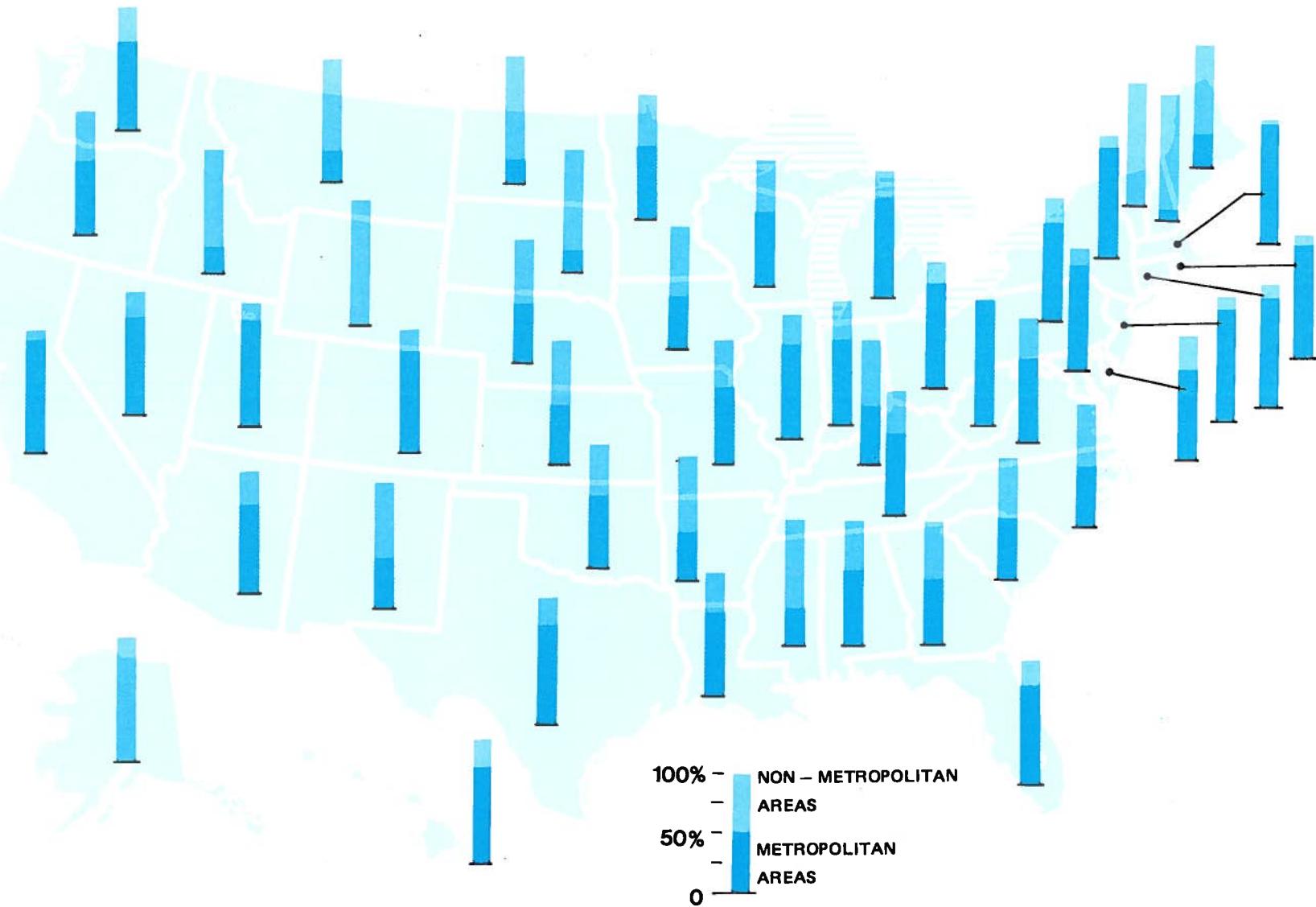


AVERAGE HOUSEHOLD INCOME
OF ANGLERS IN THE U.S. IS \$15,300



68% OF THE ANGLERS IN THE U.S. RESIDE IN METROPOLITAN AREAS

**32% OF THE ANGLERS IN THE U.S.
RESIDE IN NON-METROPOLITAN AREAS**



OF THOSE WHO FISHED IN 1975



40% ALSO OBSERVED WILDLIFE



28% ALSO HUNTED



**23% ALSO WENT CLAMMING, CRABBING
AND SHELL COLLECTING**



20% ALSO SHOT FIREARMS FOR RECREATION



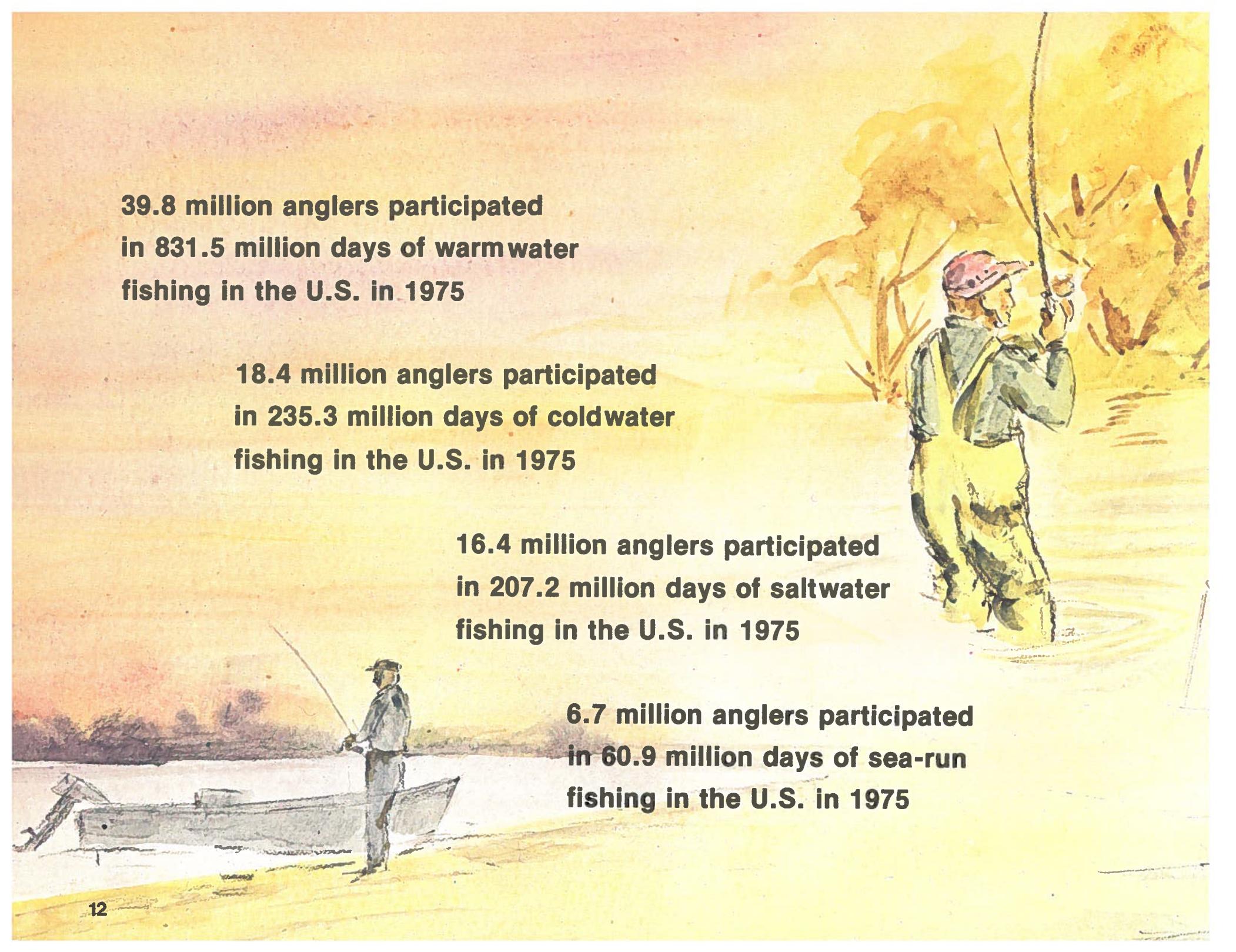
13% ALSO PHOTOGRAPHED WILDLIFE



7% ALSO ENGAGED IN ARCHERY



**32% ENGAGED IN NONE OF THOSE
WILDLIFE-RELATED ACTIVITIES**

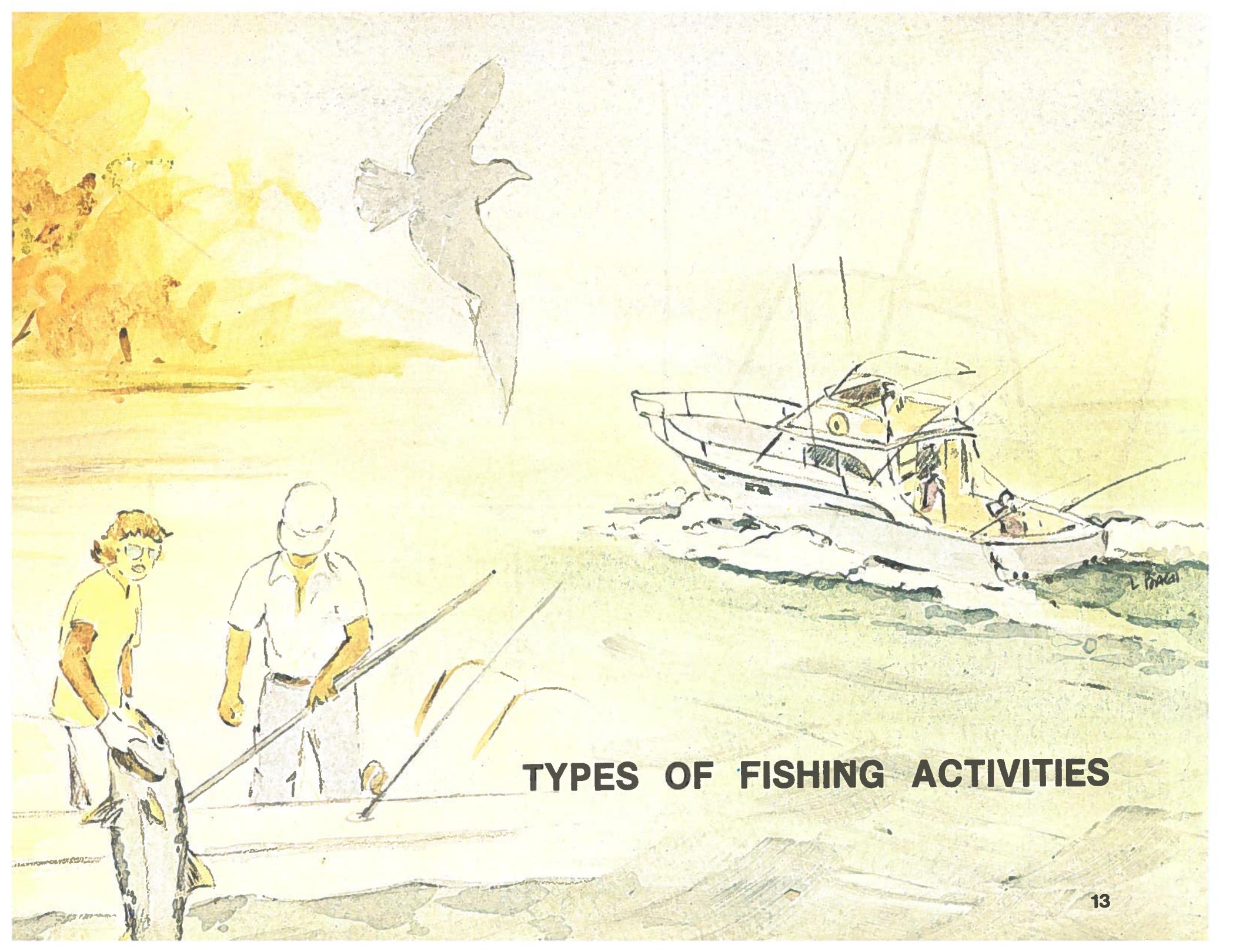


**39.8 million anglers participated
in 831.5 million days of warmwater
fishing in the U.S. in 1975**

**18.4 million anglers participated
in 235.3 million days of coldwater
fishing in the U.S. in 1975**

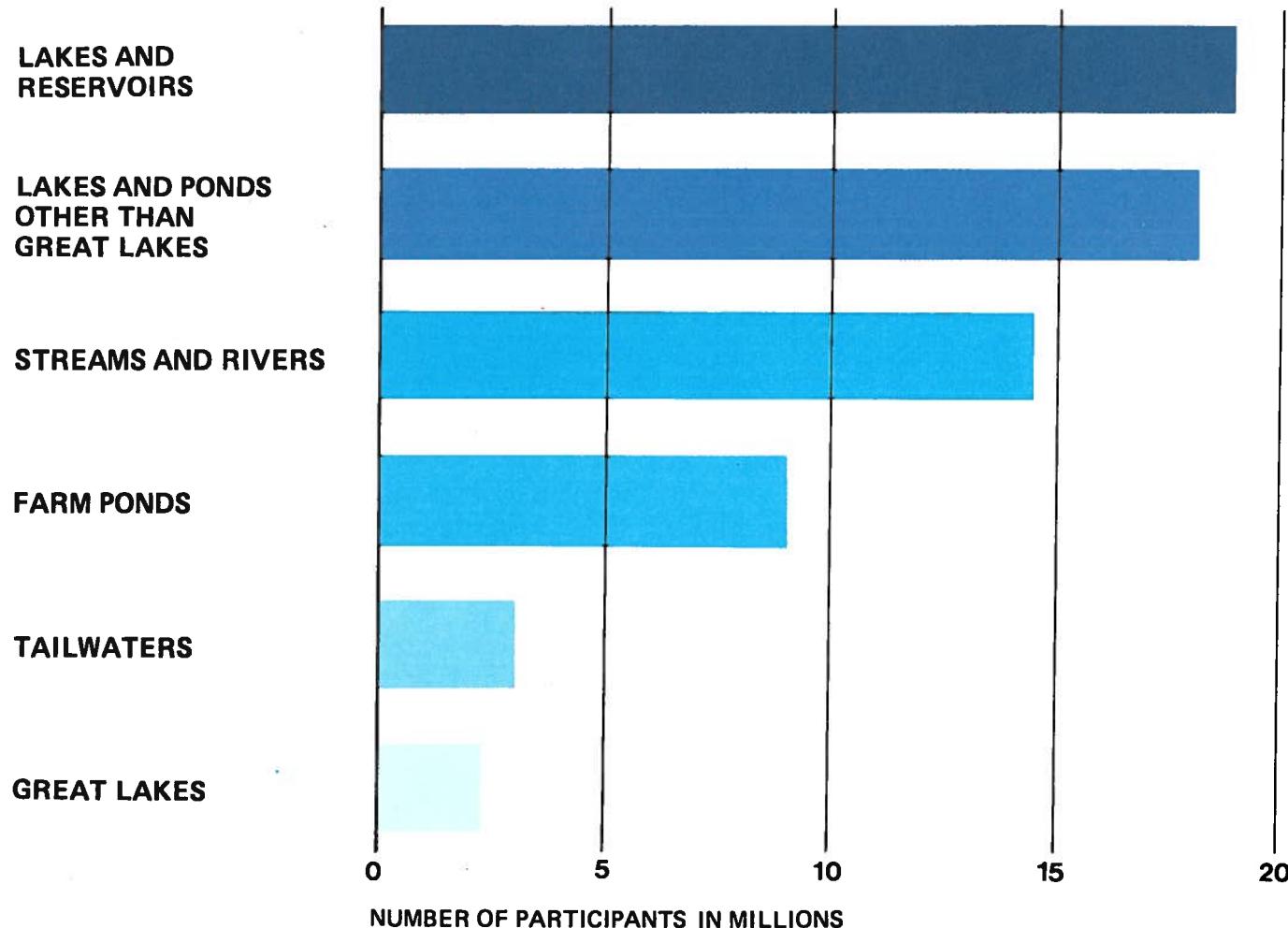
**16.4 million anglers participated
in 207.2 million days of saltwater
fishing in the U.S. in 1975**

**6.7 million anglers participated
in 60.9 million days of sea-run
fishing in the U.S. in 1975**

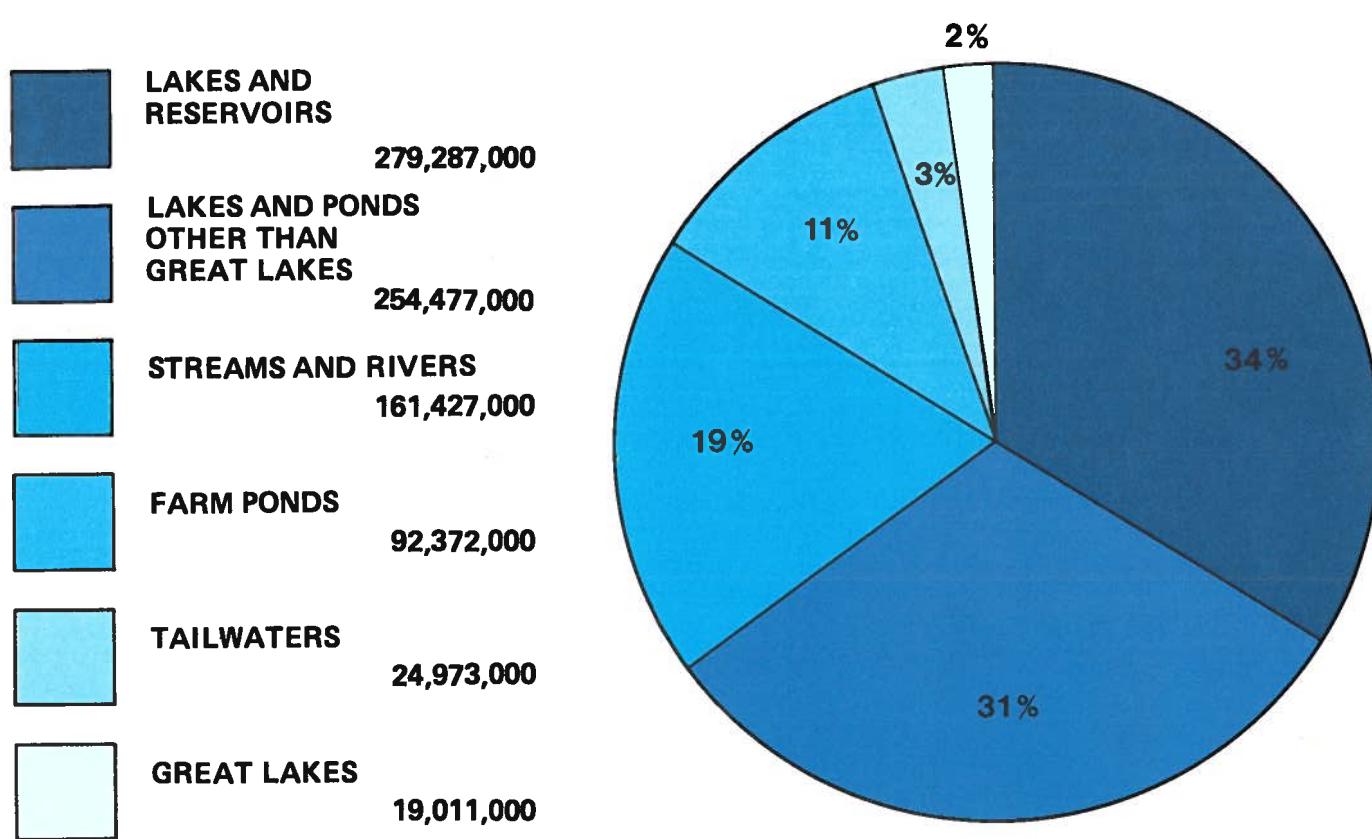


TYPES OF FISHING ACTIVITIES

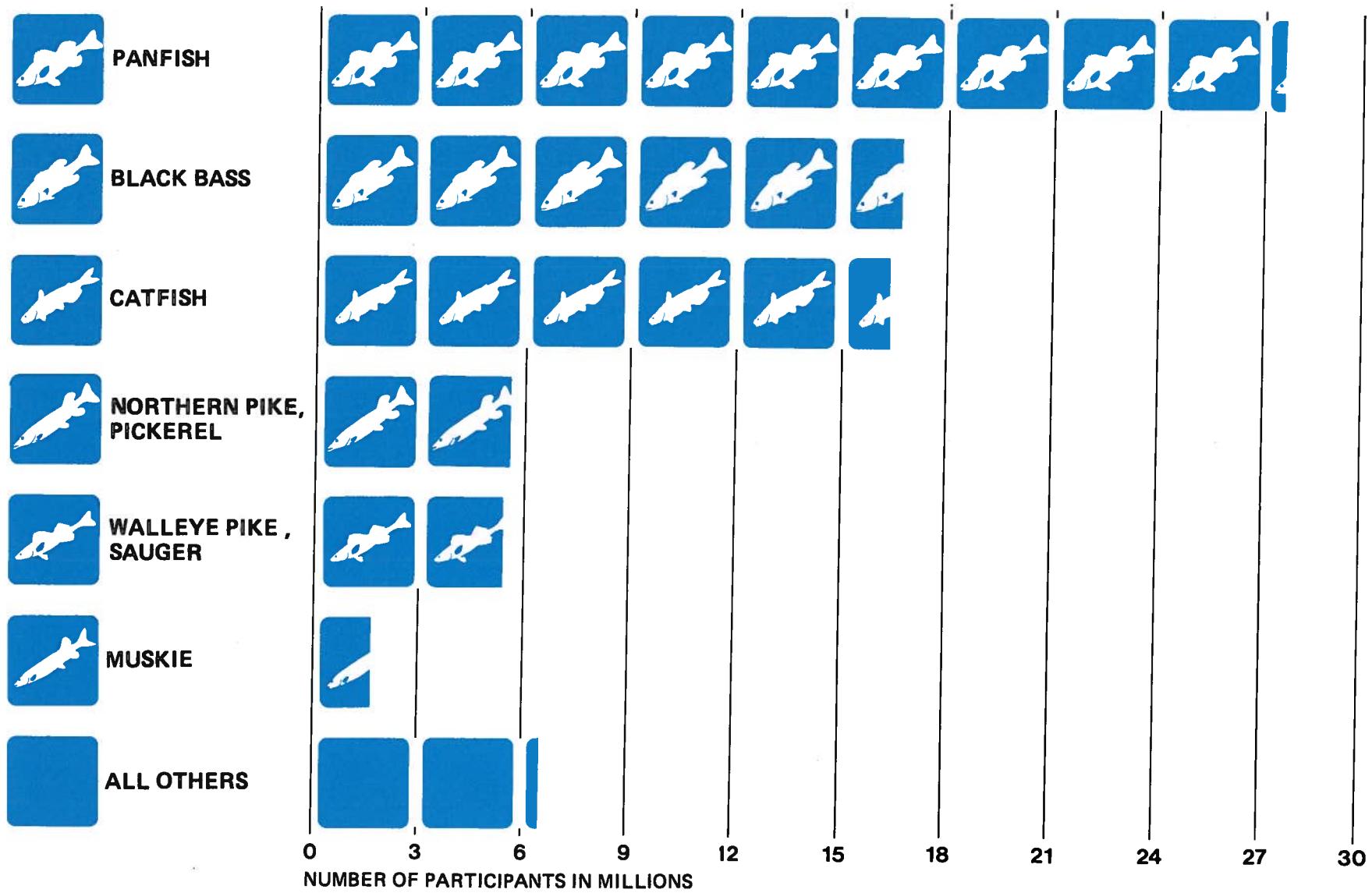
NUMBER OF WARMWATER ANGLERS BY WATER TYPE



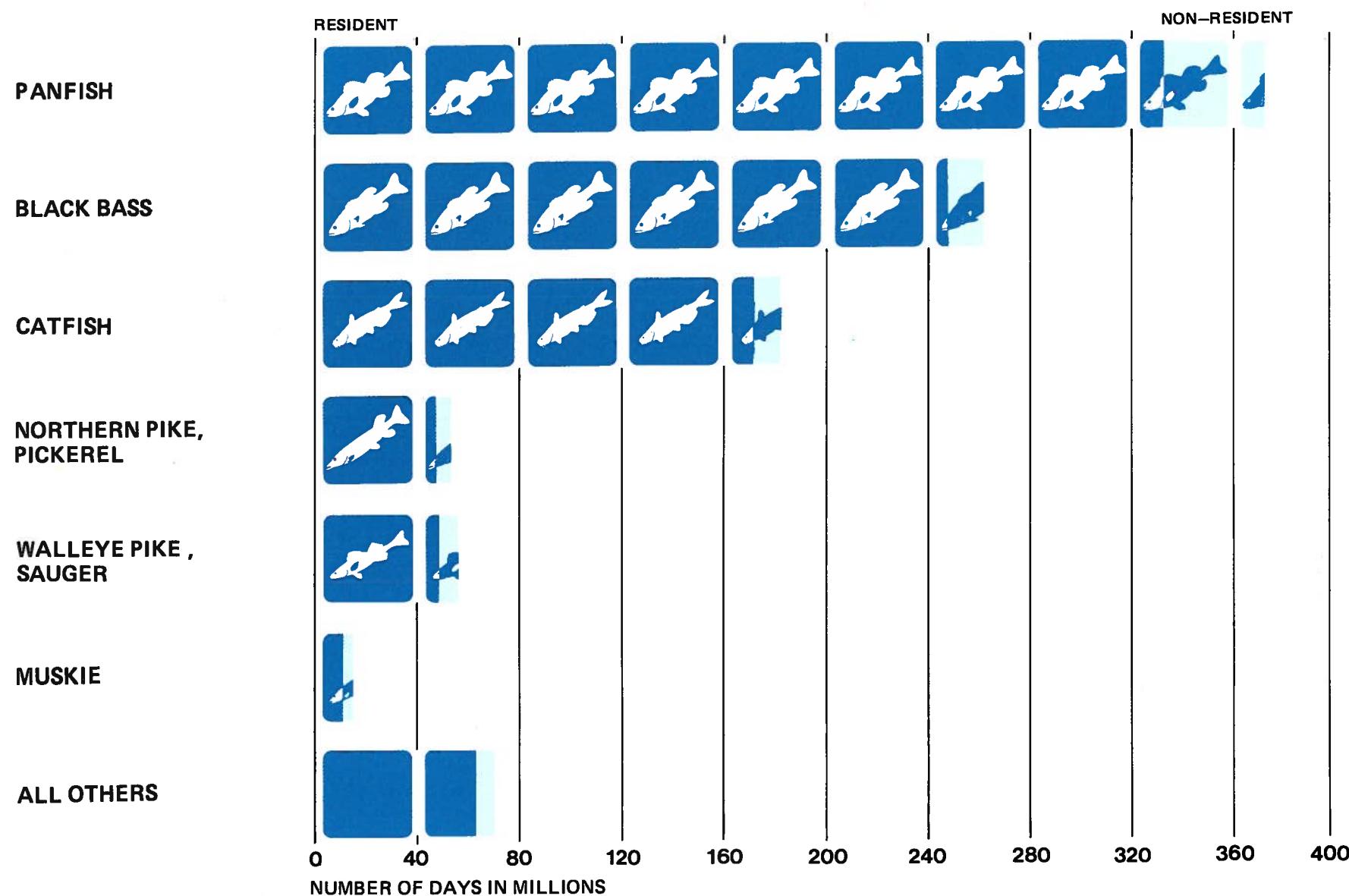
NUMBER OF DAYS OF PARTICIPATION IN WARMWATER FISHING BY WATER TYPE



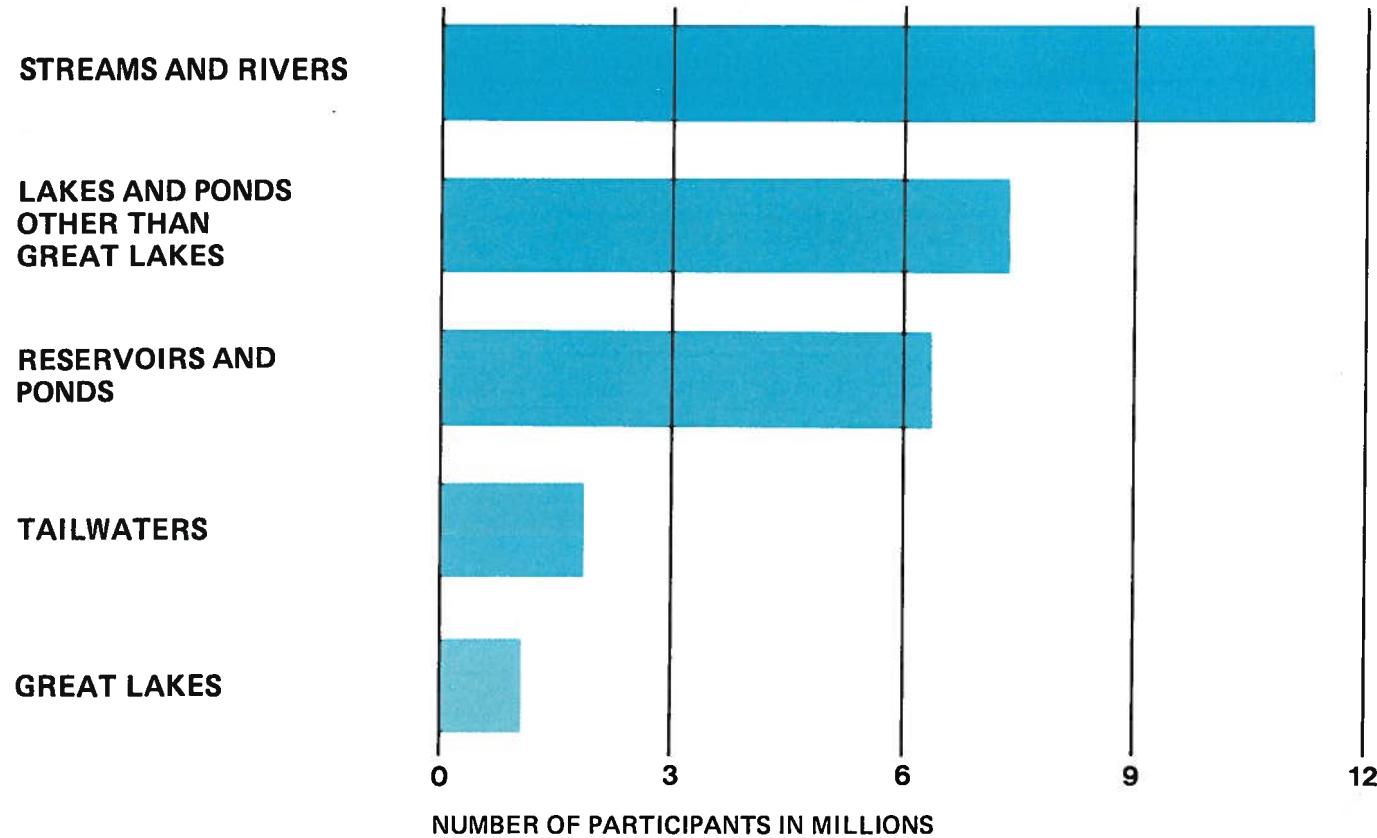
NUMBER OF WARMWATER ANGLERS BY TYPE OF FISH



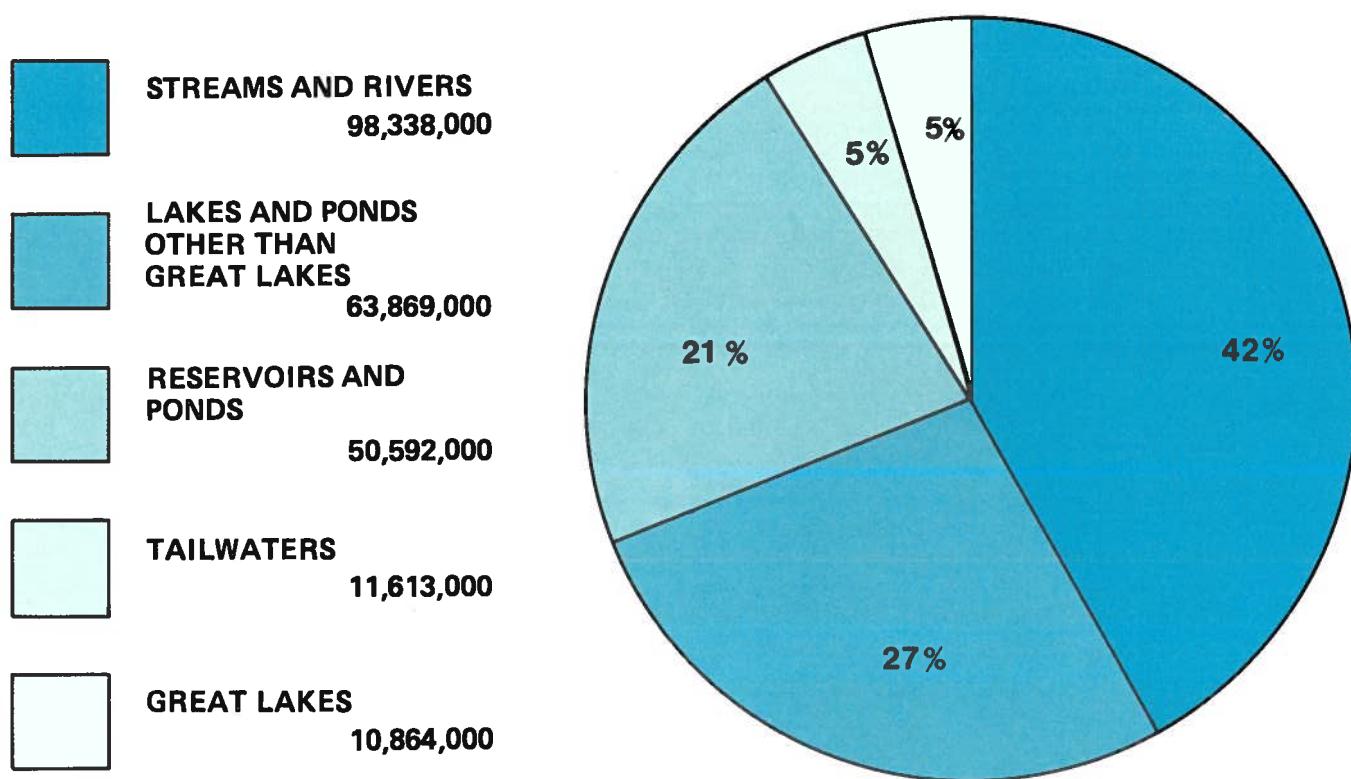
NUMBER OF DAYS OF PARTICIPATION IN WARMWATER FISHING BY TYPE OF FISH



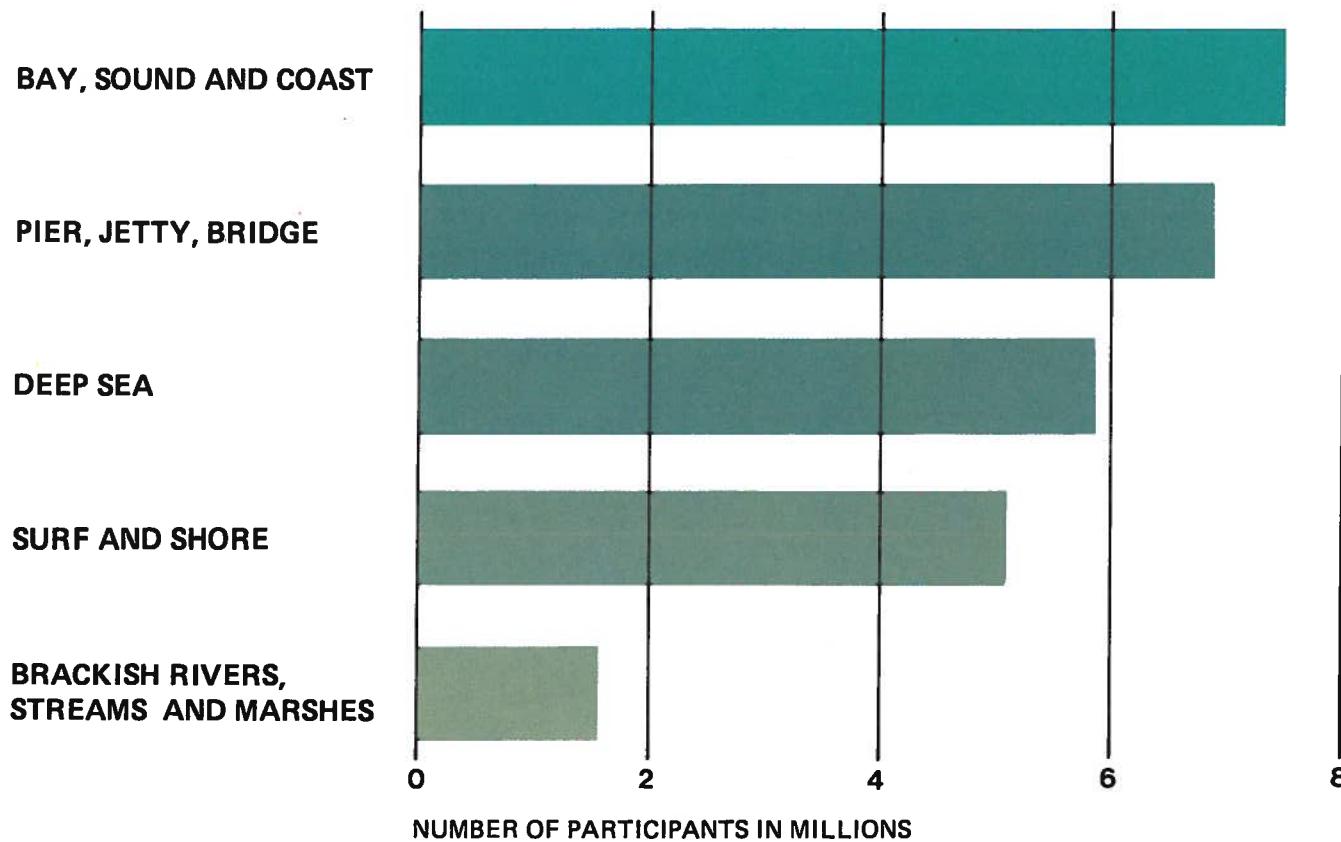
NUMBER OF COLDWATER ANGLERS BY WATER TYPE



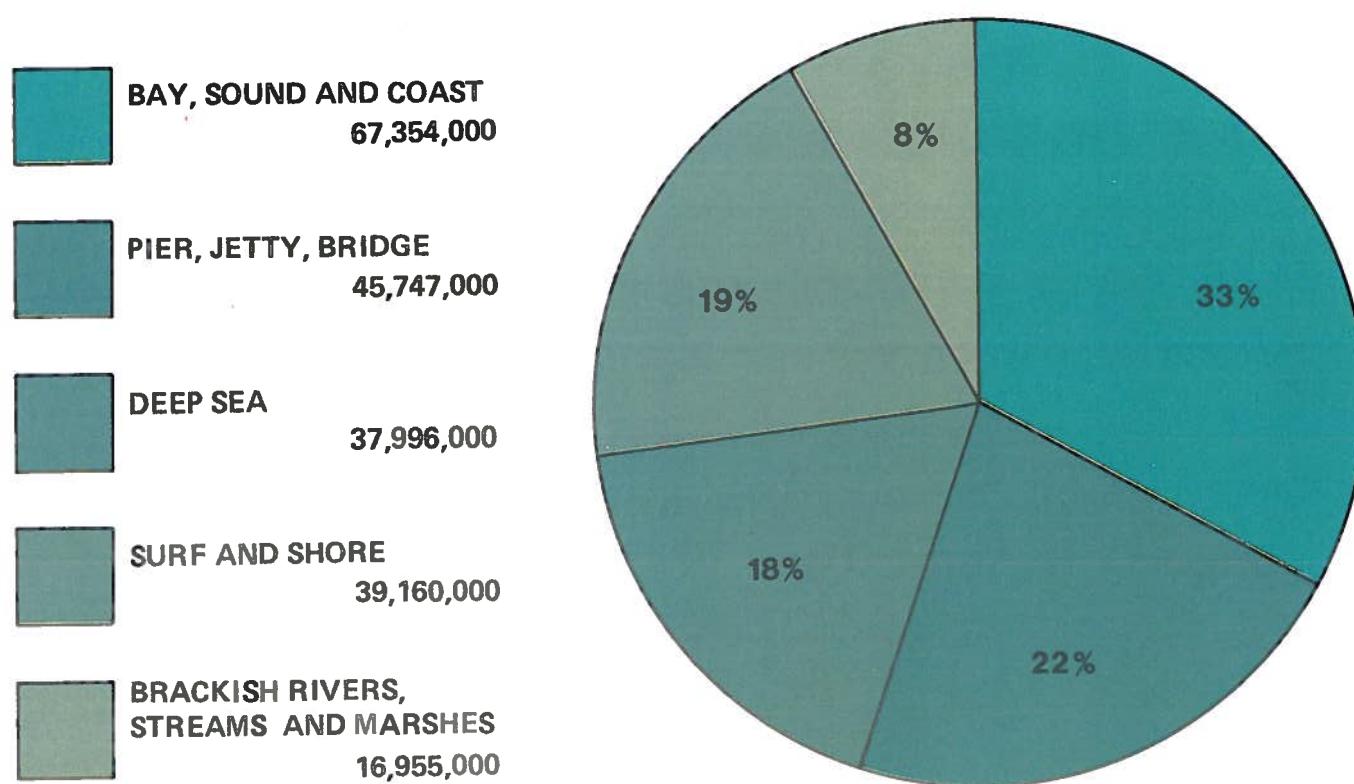
NUMBER OF DAYS OF PARTICIPATION IN COLDWATER FISHING BY WATER TYPE



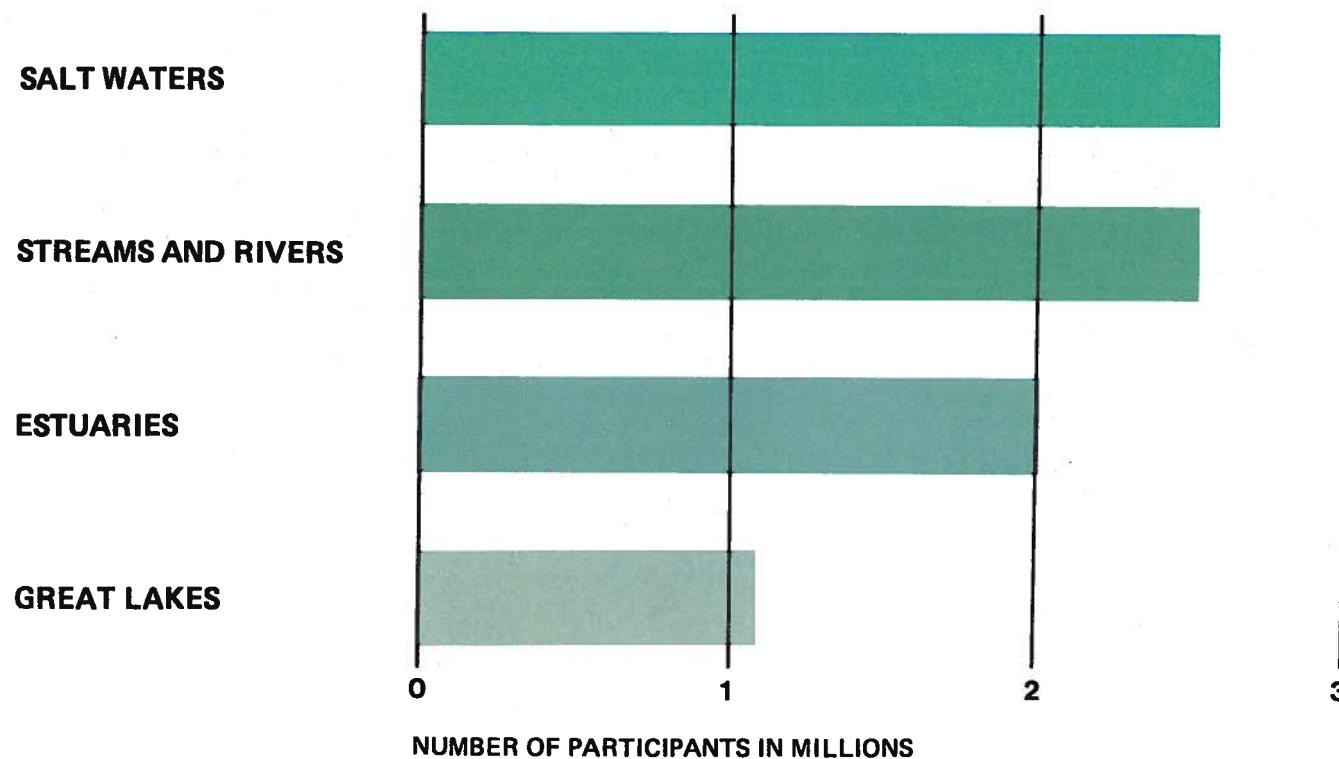
NUMBER OF SALTWATER ANGLERS BY WATER TYPE



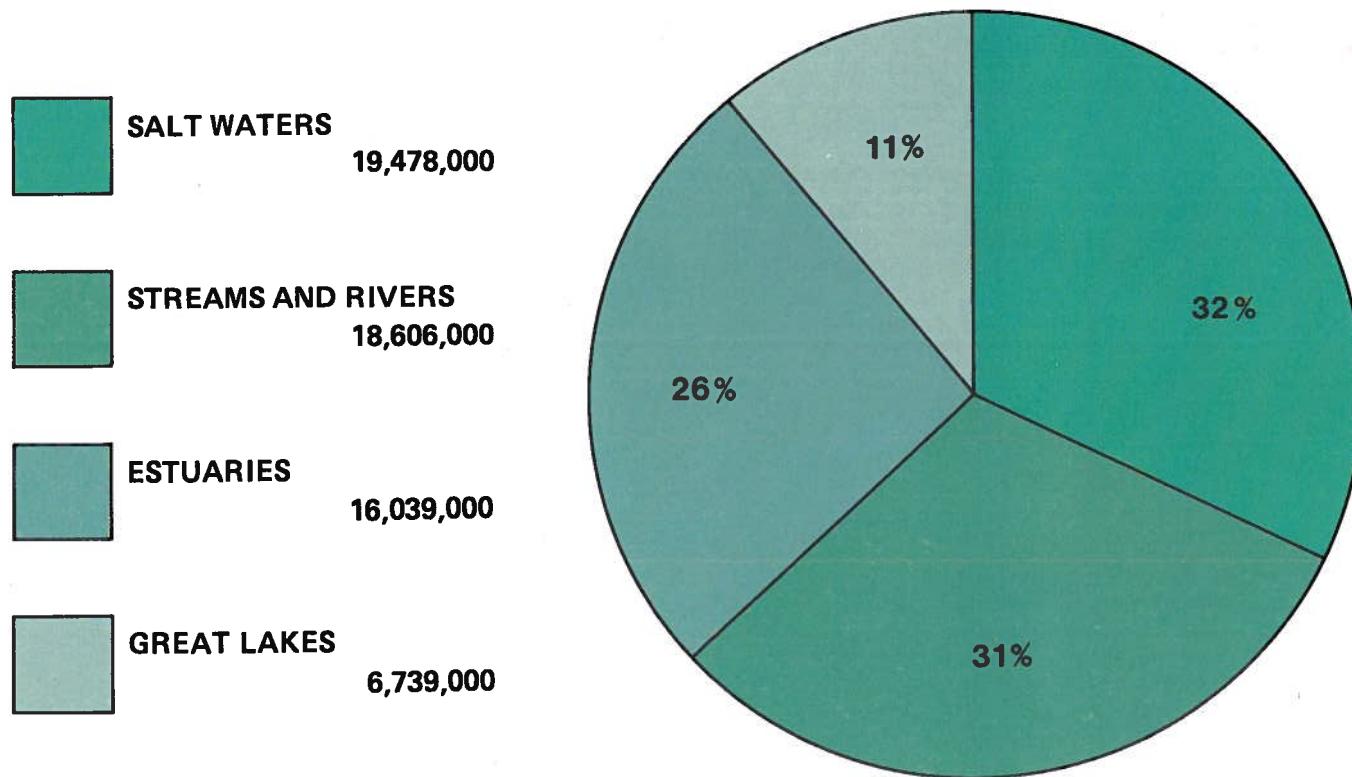
NUMBER OF DAYS OF PARTICIPATION IN SALTWATER FISHING BY WATER TYPE



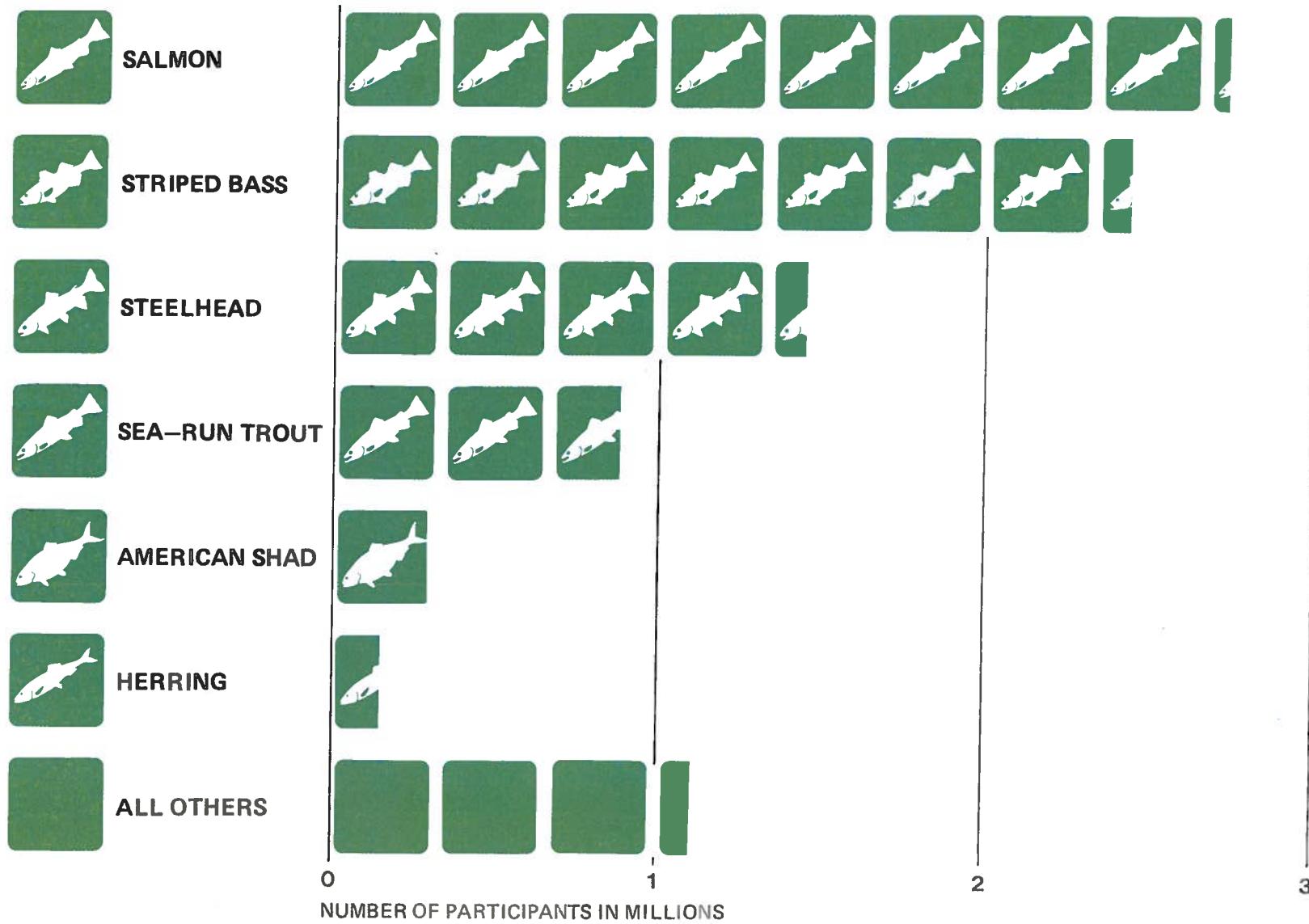
NUMBER OF SEA-RUN ANGLERS BY WATER TYPE



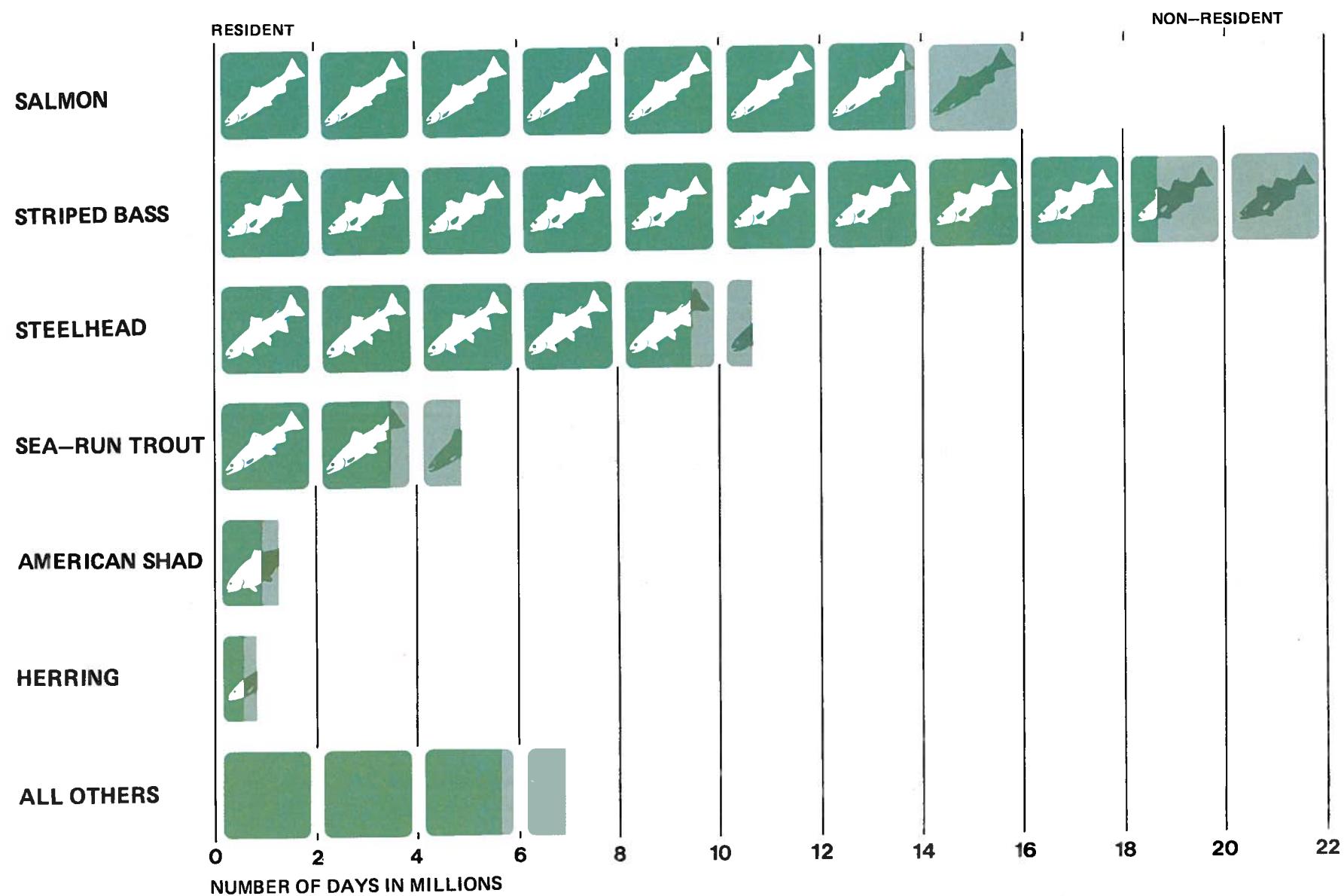
NUMBER OF DAYS OF PARTICIPATION IN SEA-RUN FISHING BY WATER TYPE

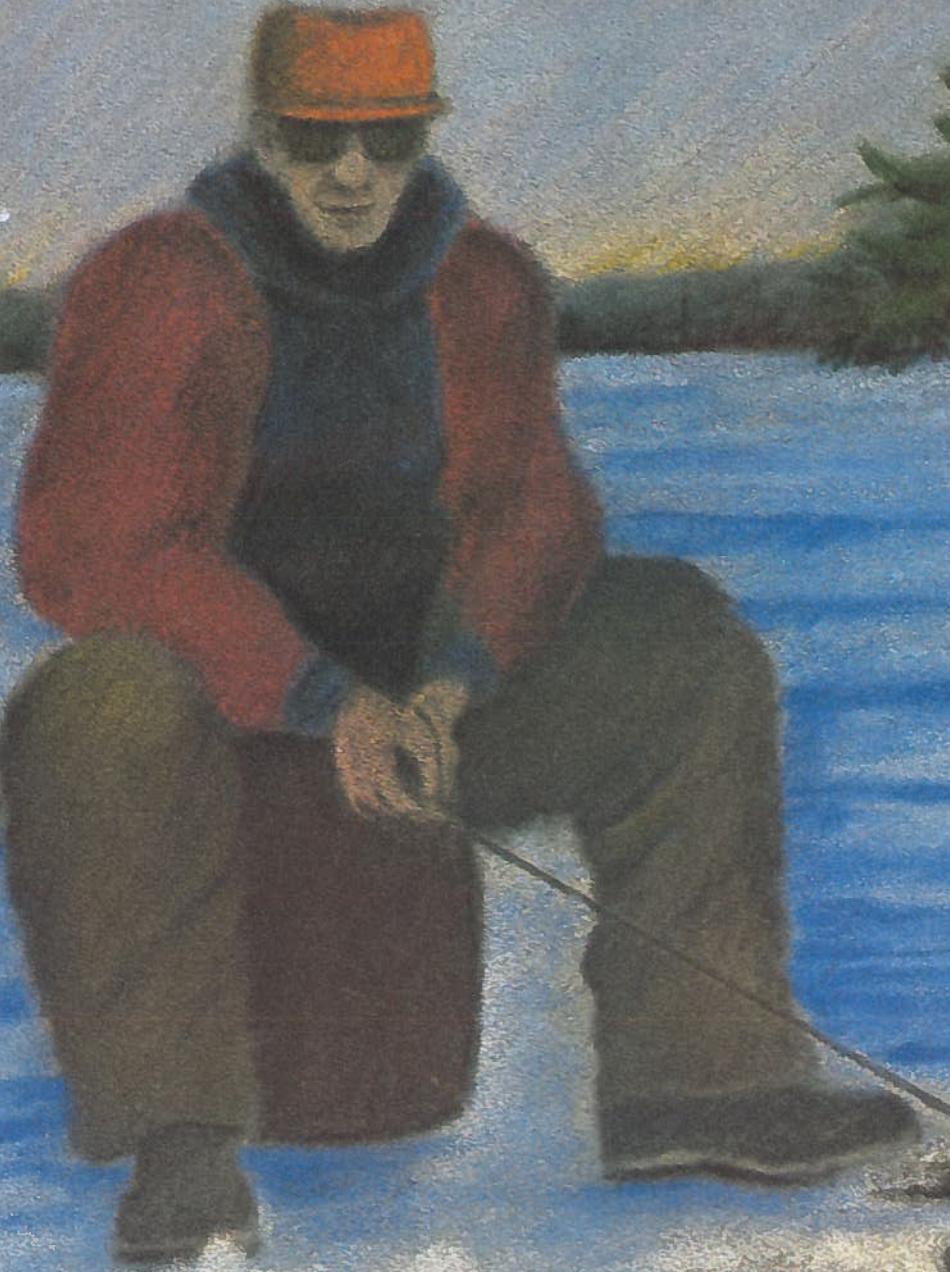


NUMBER OF SEA-RUN ANGLERS BY TYPE OF FISH



NUMBER OF DAYS OF PARTICIPATION IN SEA-RUN FISHING BY TYPE OF FISH





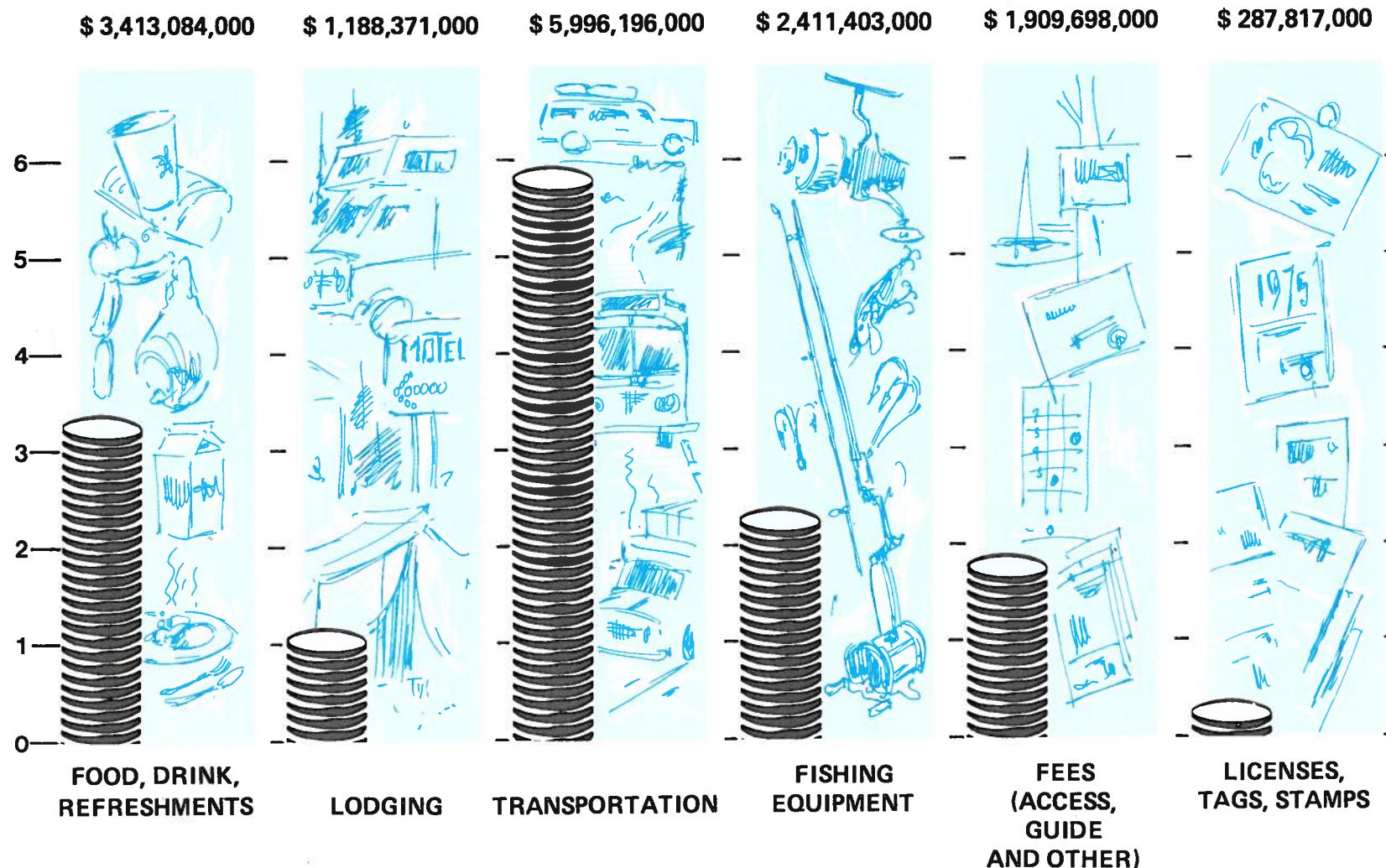
**6.1 MILLION PEOPLE
PARTICIPATED IN
61 MILLION DAYS OF ICE FISHING**



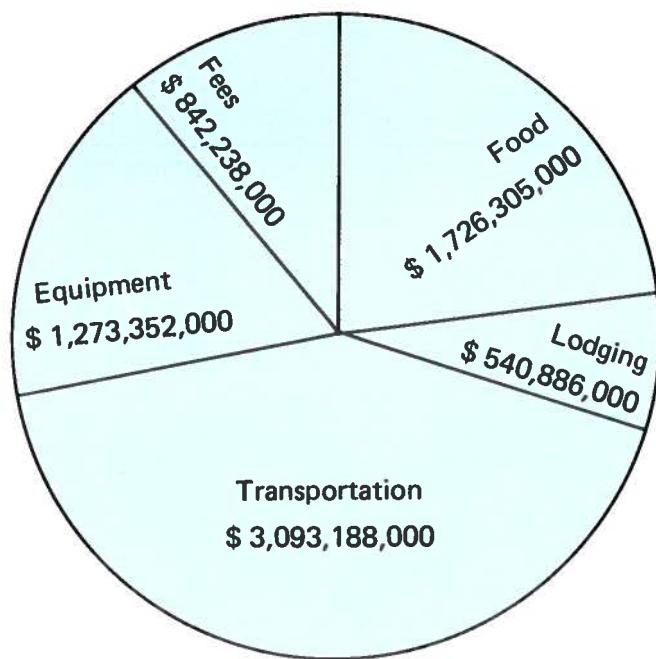
A cartoon illustration depicting a large amount of money. In the center, there are four distinct stacks of bills, each featuring a different US dollar bill design. The bills are rendered in a yellowish-green hue. Scattered around these stacks are numerous gold-colored coins, some showing faces and others appearing plain. The background is a light beige color, suggesting a sandy or beach-like setting. The artist's signature, "L. BAH", is visible near the bottom right of the central stack of bills.

EXPENDITURES BY ANGLERS

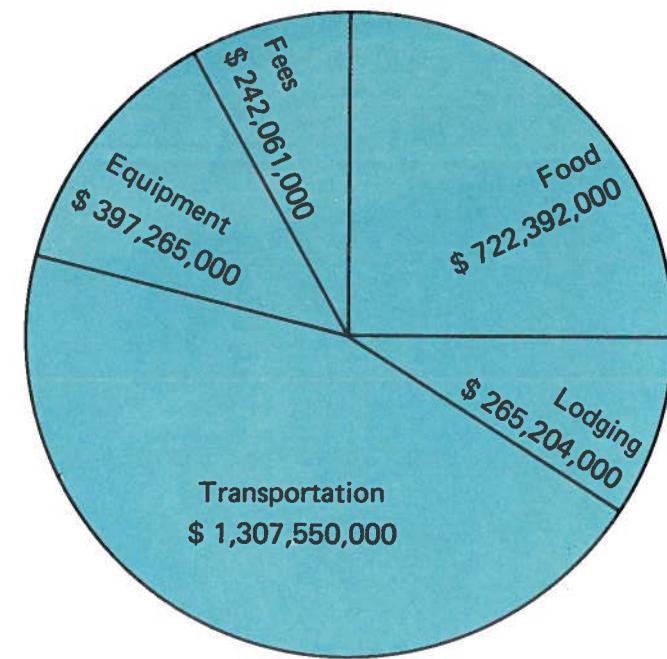
IN 1975, ANGLERS IN THE U.S. SPENT



**WARMWATER ANGLERS'
EXPENDITURES TOTLED
\$7.48 BILLION IN 1975***

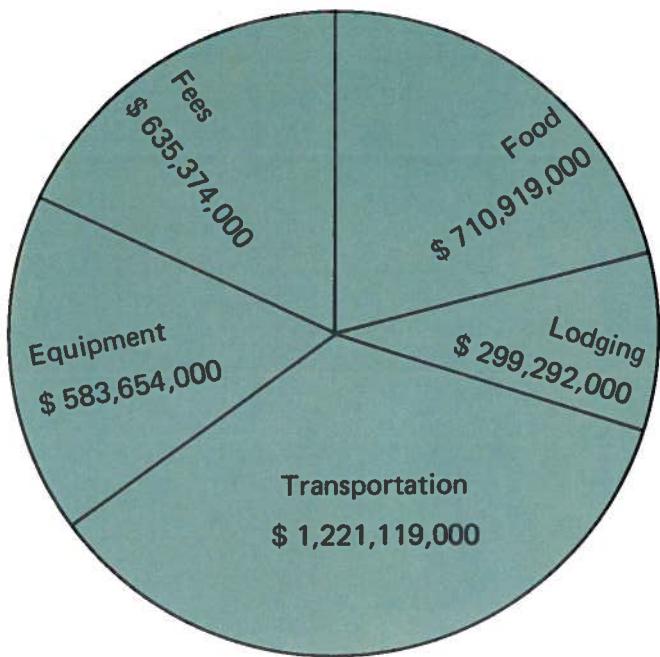


**COLDWATER ANGLERS'
EXPENDITURES TOTLED
\$2.93 BILLION IN 1975***

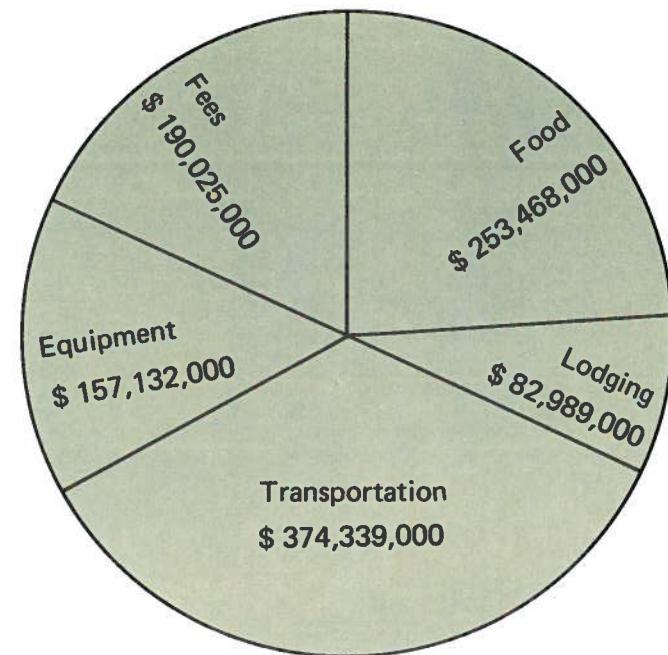


*EXCLUSIVE OF LICENSES

**SALTWATER ANGLERS'
EXPENDITURES TOTALED
\$3.45 BILLION IN 1975***



**SEA-RUN ANGLERS'
EXPENDITURES TOTALED
\$1.06 BILLION IN 1975***



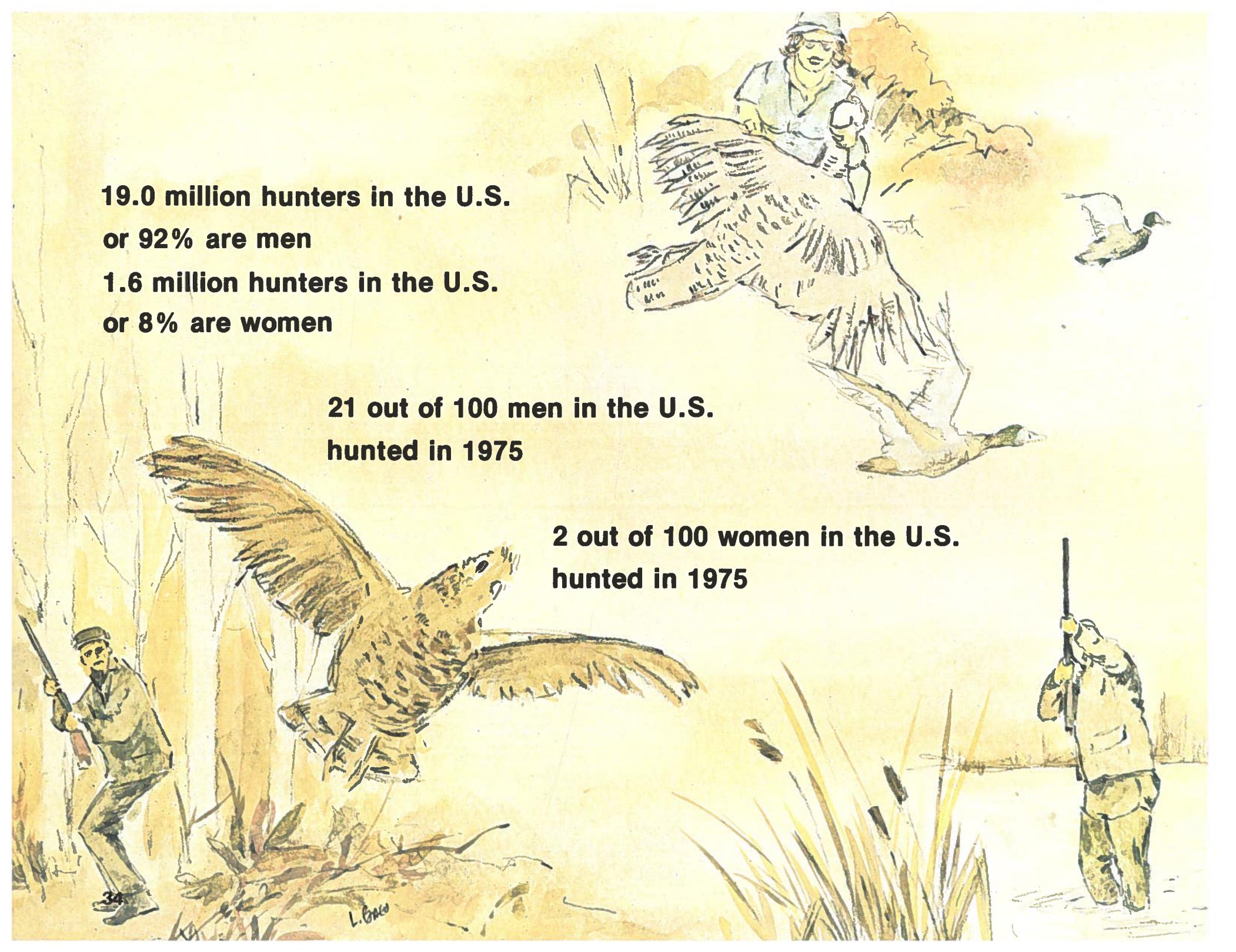
* EXCLUSIVE OF LICENSES

HUNTING IN THE U.S. IN 1975

**20.6 million
americans hunted
in 1975**

**They participated
in more than
478.6 million days
of hunting
for an average of
23.2 days
per hunter in 1975**

**They spent
5.8 billion dollars
for hunting
activities for an
average of
\$284 per hunter
\$12.20 per
hunting day**

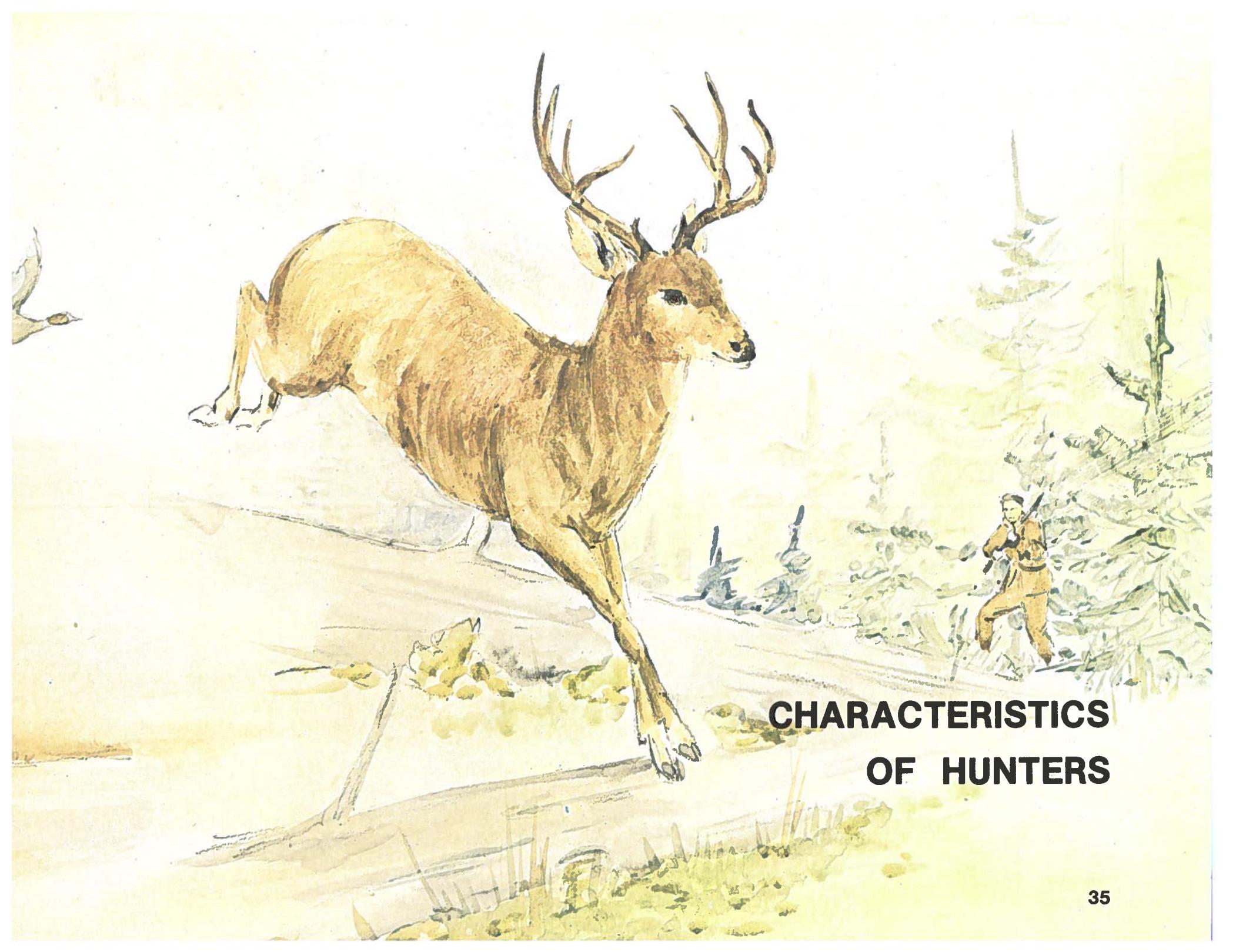


**19.0 million hunters in the U.S.
or 92% are men**

**1.6 million hunters in the U.S.
or 8% are women**

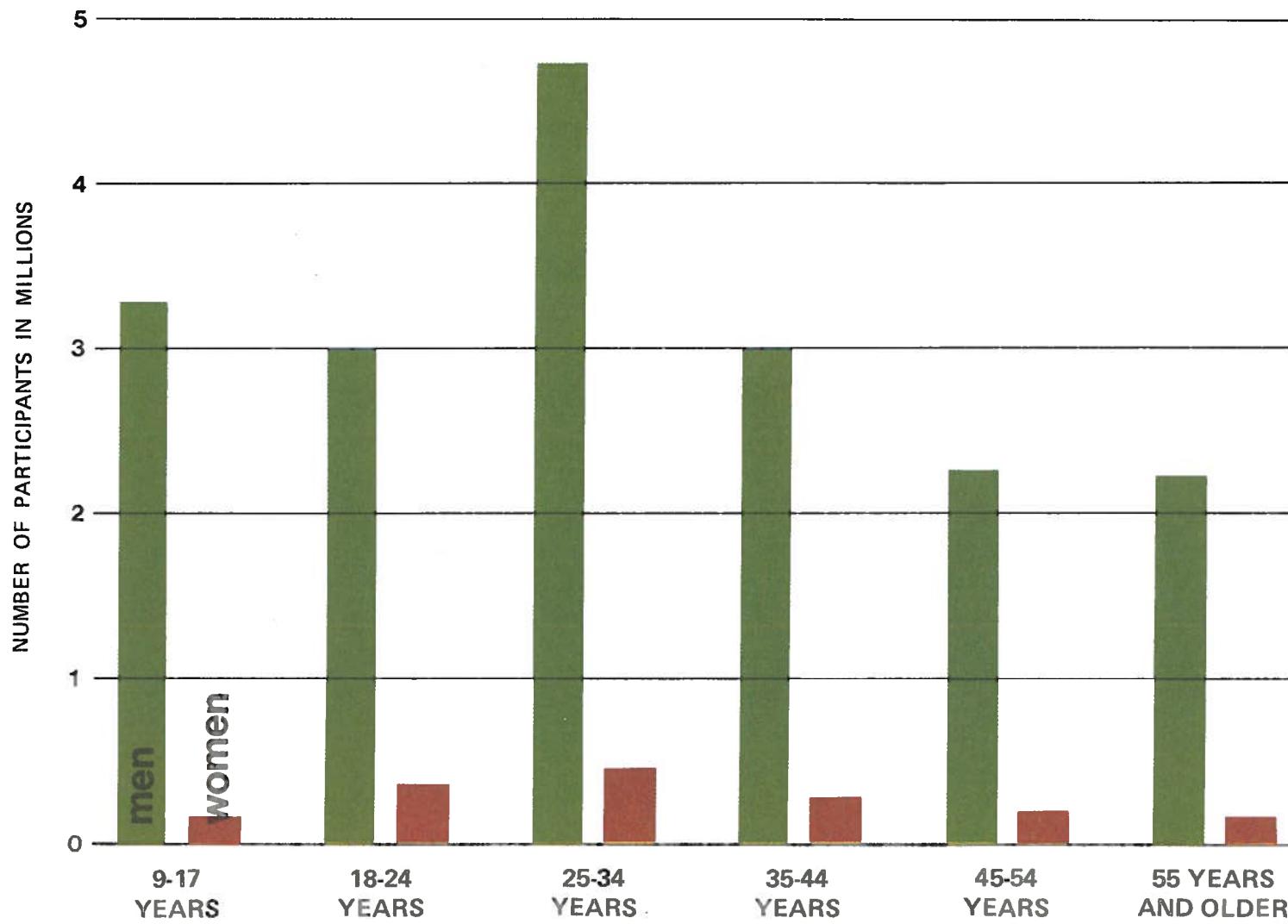
**21 out of 100 men in the U.S.
hunted in 1975**

**2 out of 100 women in the U.S.
hunted in 1975**

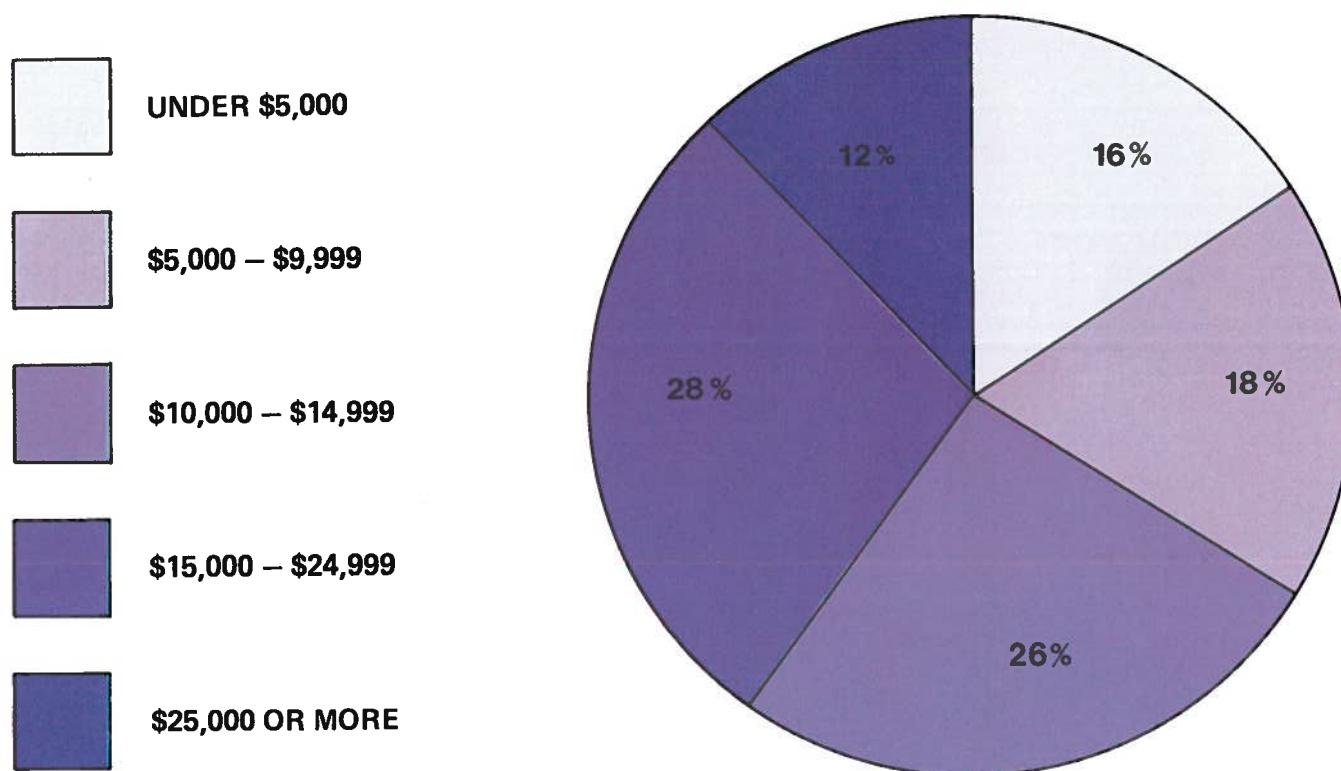
A watercolor illustration depicting a scene in a forest. In the foreground, a buck deer with large antlers is captured mid-leap, clearing a fallen log. The deer's body is angled downwards, and its front legs are extended. The background shows a hunter dressed in camouflage gear, holding a rifle, standing behind some bushes. The overall style is artistic and somewhat surreal.

CHARACTERISTICS OF HUNTERS

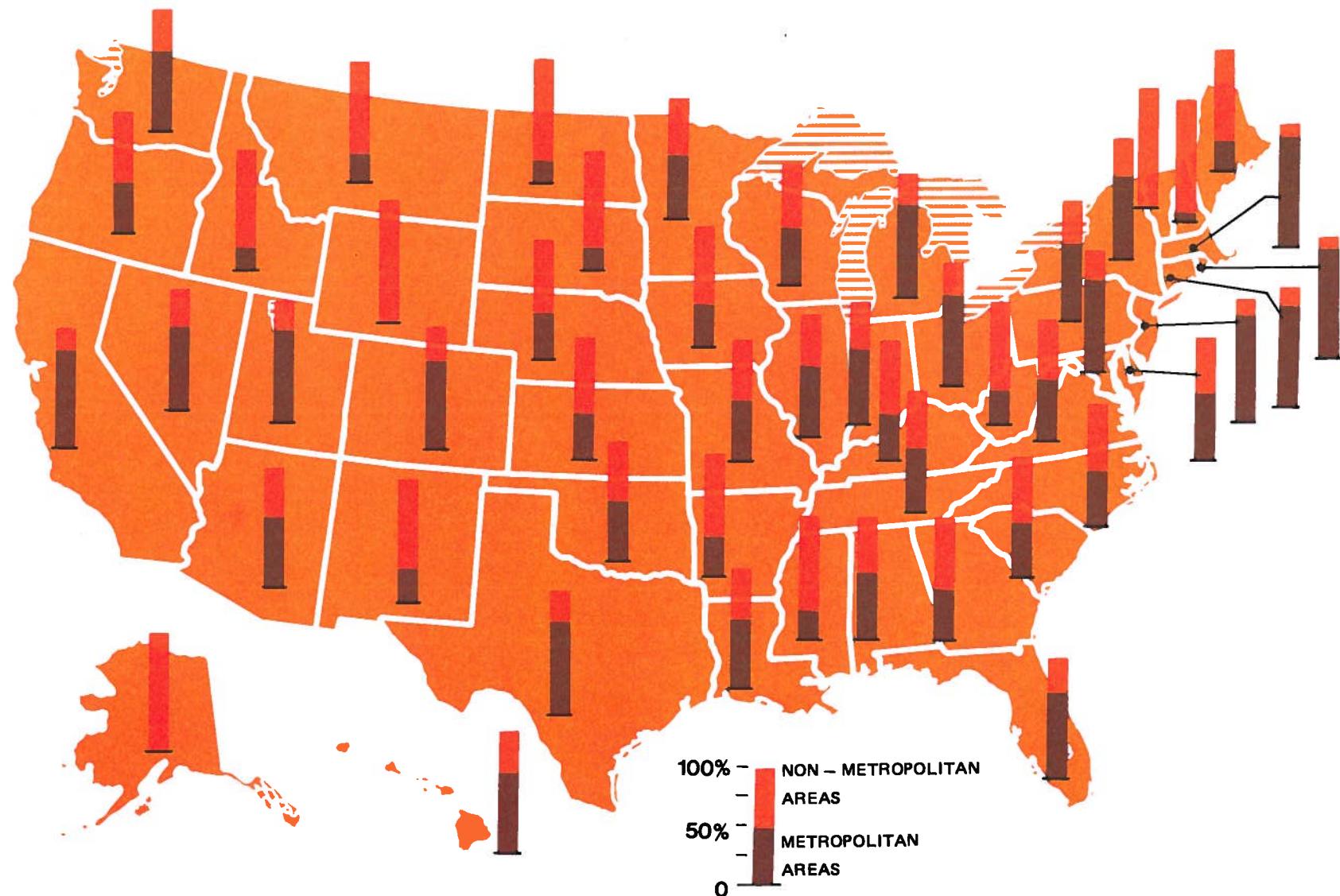
**AVERAGE AGE OF BOTH MEN AND
WOMEN HUNTERS IN THE U.S. IS 33 YEARS**



AVERAGE HOUSEHOLD INCOME OF HUNTERS IN THE U.S. IS \$14,700



56% OF THE HUNTERS IN THE U.S. RESIDE IN METROPOLITAN AREAS
44% OF THE HUNTERS IN THE U.S.
RESIDE IN NON-METROPOLITAN AREAS



OF THOSE WHO HUNTED IN 1975



73% ALSO FISHED



44% ALSO OBSERVED WILDLIFE



41% ALSO SHOT FIREARMS FOR RECREATION



**16% ALSO WENT CLAMMING, CRABBING
AND SHELL COLLECTING**



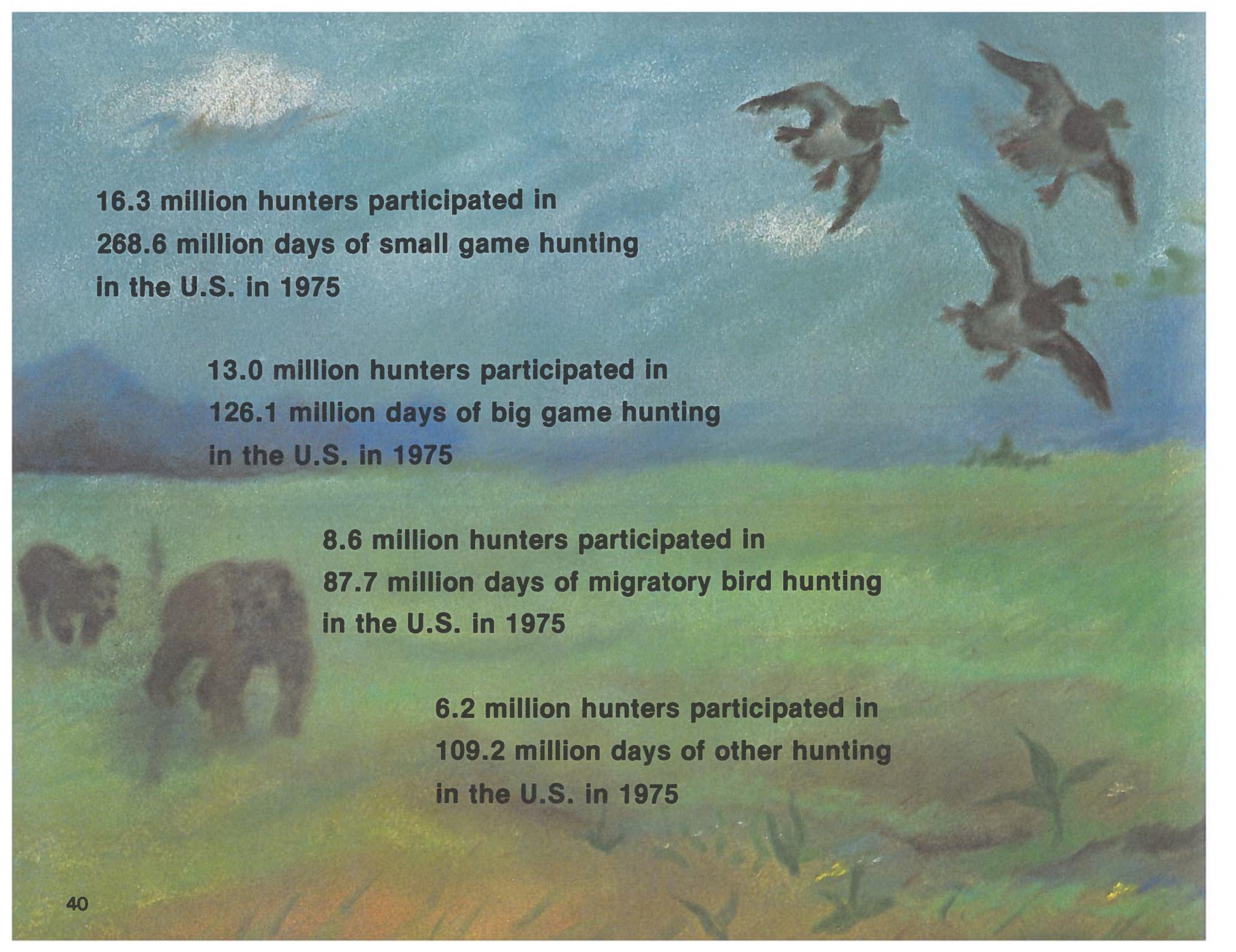
14% ALSO PHOTOGRAPHED WILDLIFE



13% ALSO ENGAGED IN ARCHERY



**11% ENGAGED IN NONE OF THOSE
WILDLIFE-RELATED ACTIVITIES**

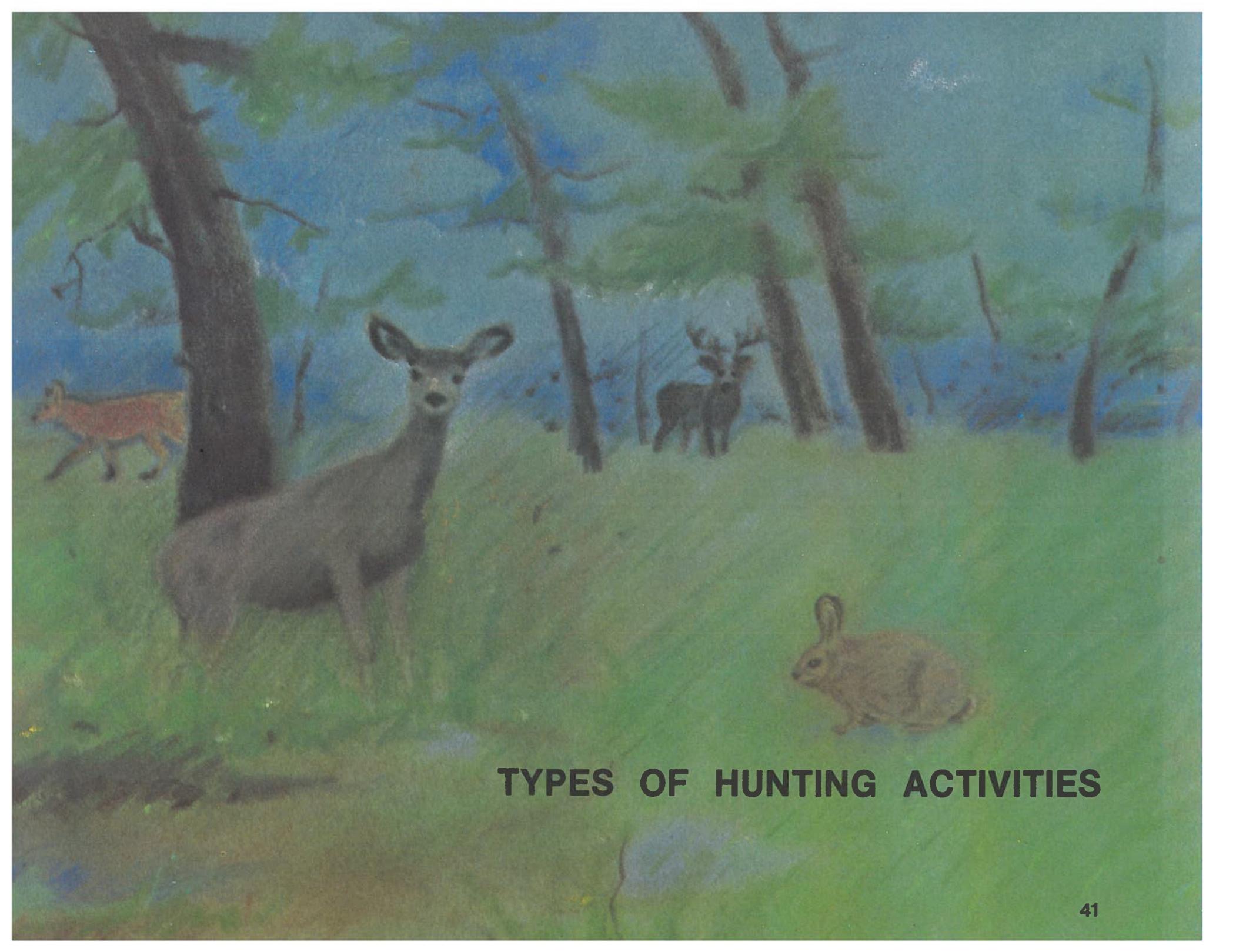
The background of the slide features a scenic landscape with rolling green hills under a blue sky. Several birds, possibly ducks or geese, are shown in flight against the sky.

**16.3 million hunters participated in
268.6 million days of small game hunting
in the U.S. in 1975**

**13.0 million hunters participated in
126.1 million days of big game hunting
in the U.S. in 1975**

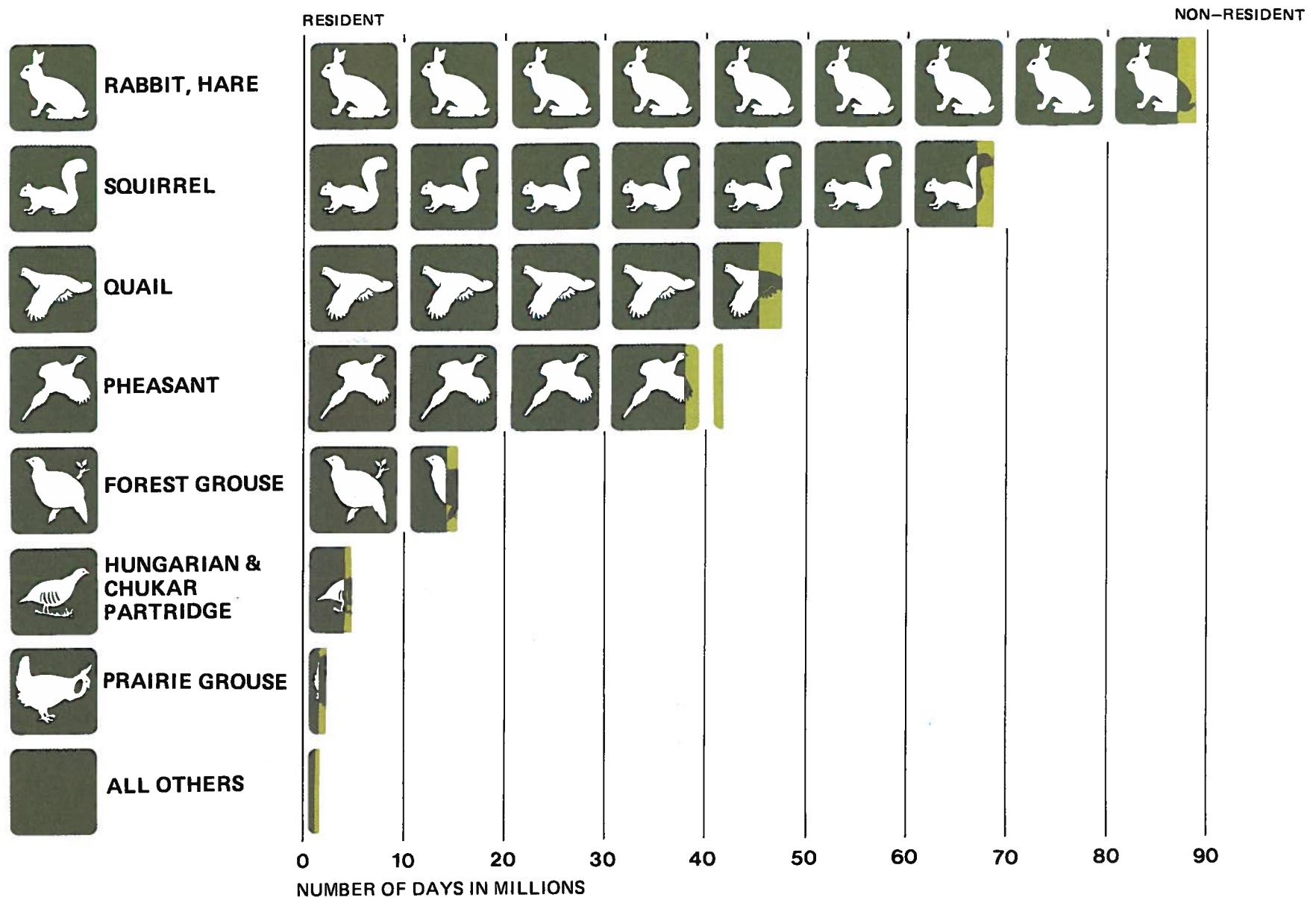
**8.6 million hunters participated in
87.7 million days of migratory bird hunting
in the U.S. in 1975**

**6.2 million hunters participated in
109.2 million days of other hunting
in the U.S. in 1975**

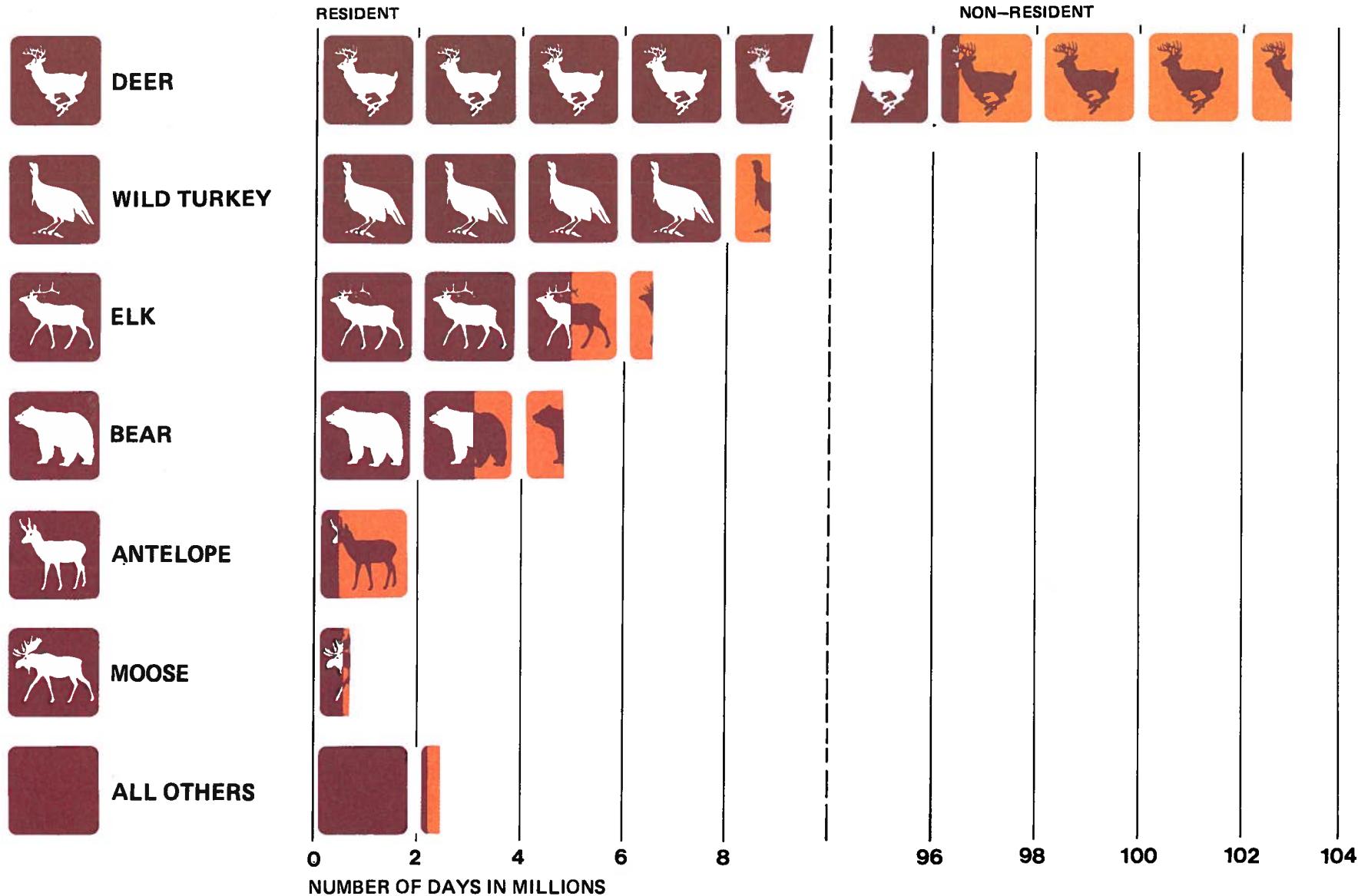


TYPES OF HUNTING ACTIVITIES

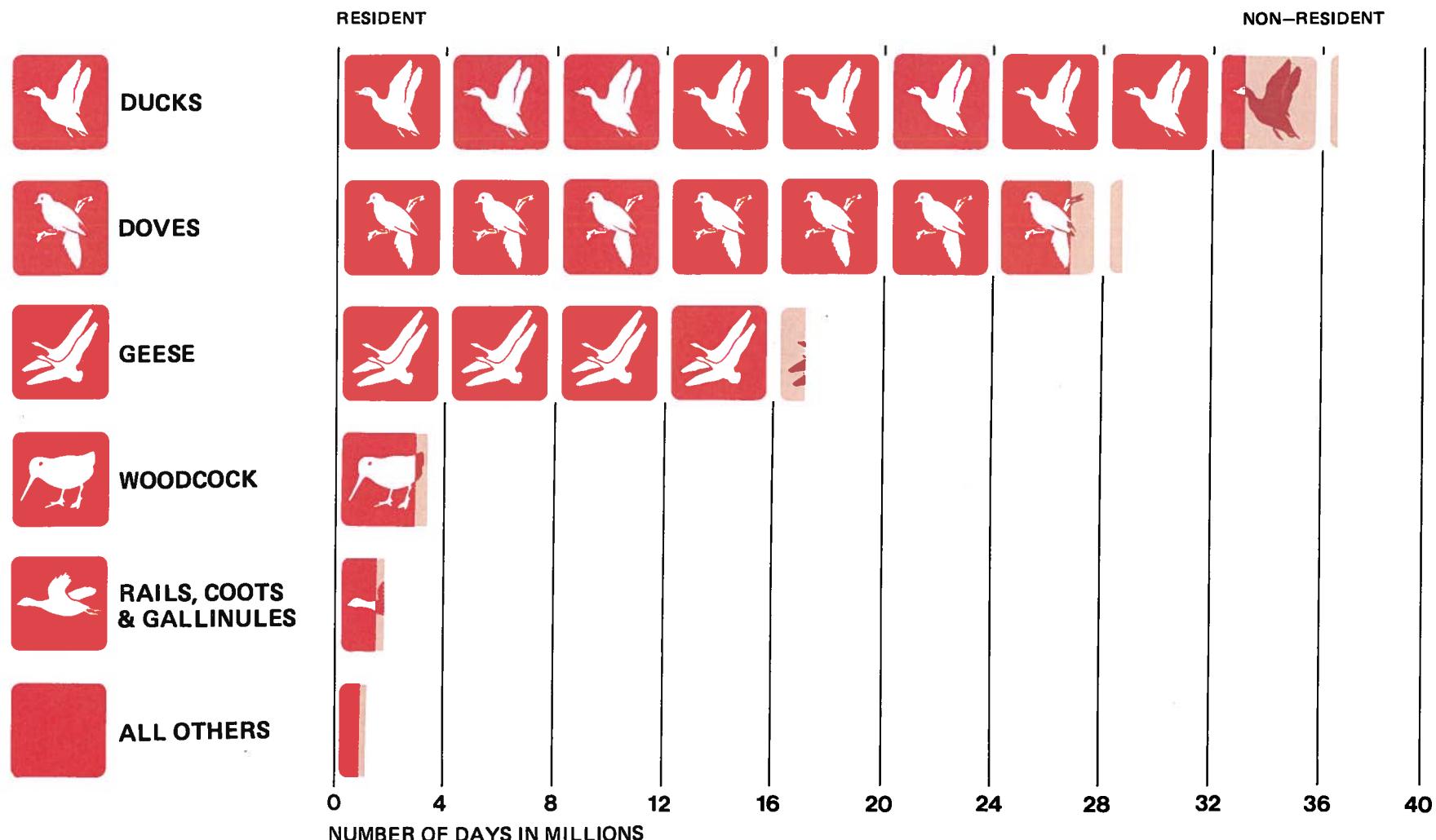
NUMBER OF DAYS PARTICIPATION IN SMALL GAME HUNTING BY TYPE OF GAME



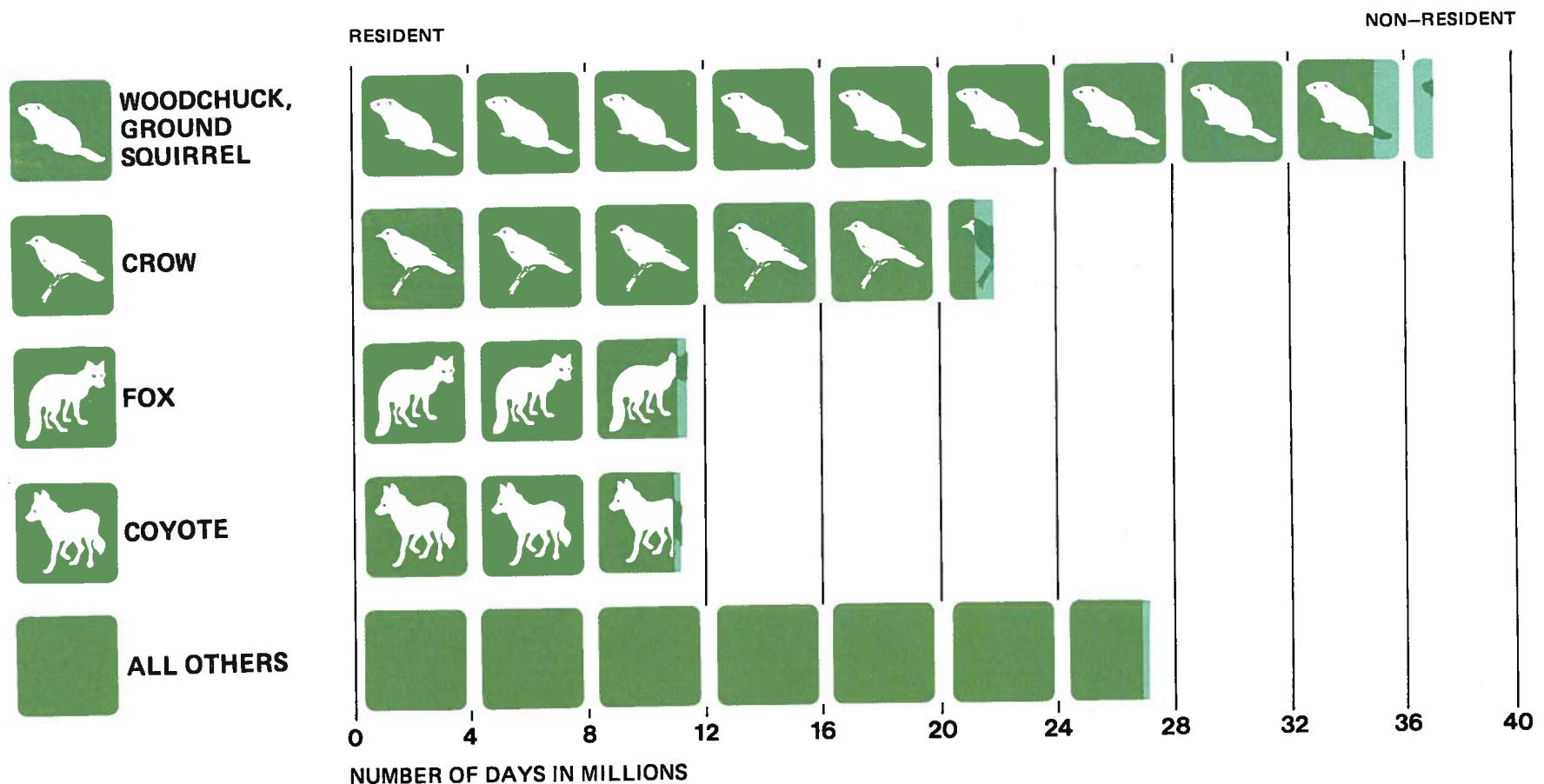
NUMBER OF DAYS OF PARTICIPATION IN BIG GAME HUNTING BY TYPE OF GAME



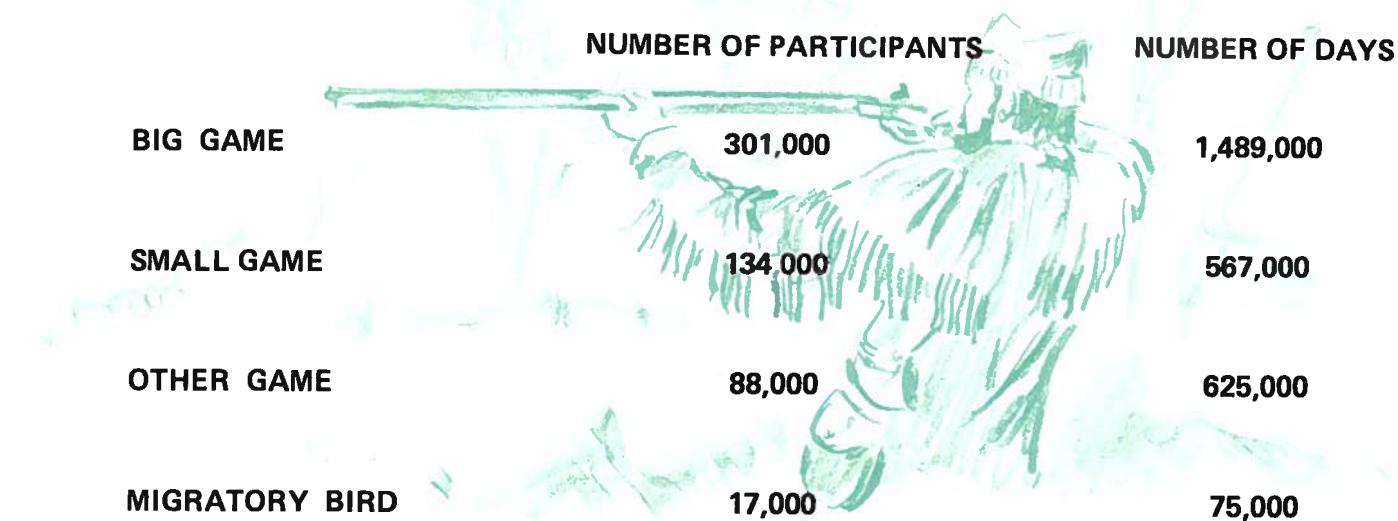
NUMBER OF DAYS OF PARTICIPATION IN MIGRATORY BIRD HUNTING BY TYPE OF GAME



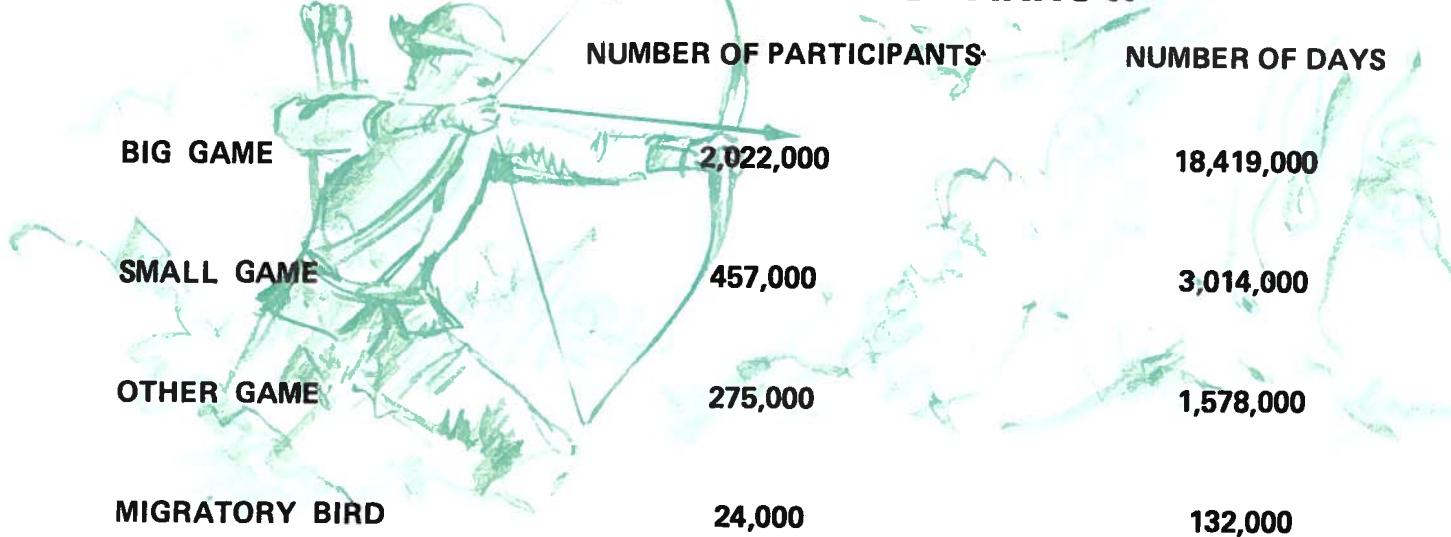
NUMBER OF DAYS OF PARTICIPATION IN OTHER HUNTING BY TYPE OF GAME



HUNTING WITH PRIMITIVE FIREARMS

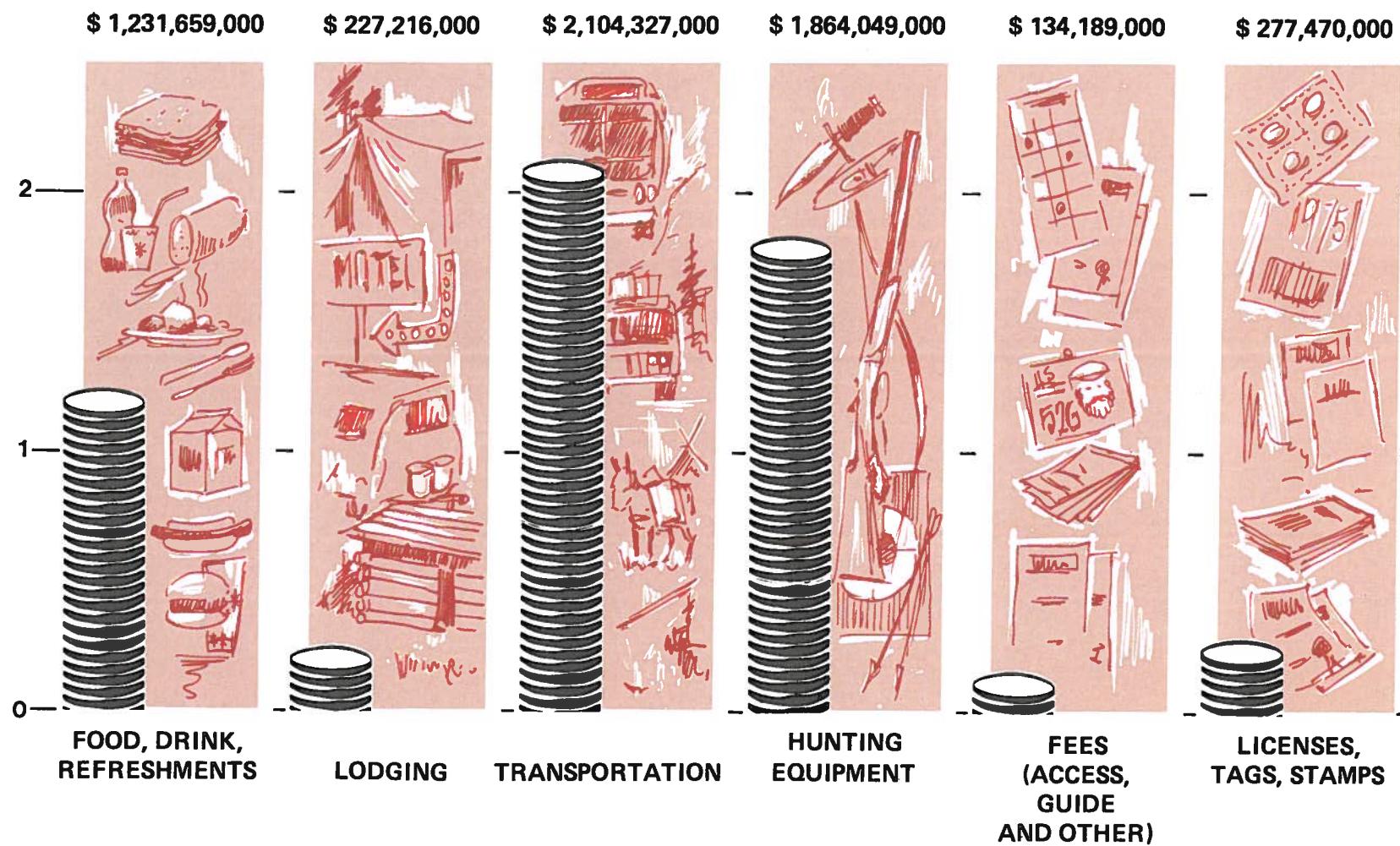


HUNTING WITH BOW AND ARROW

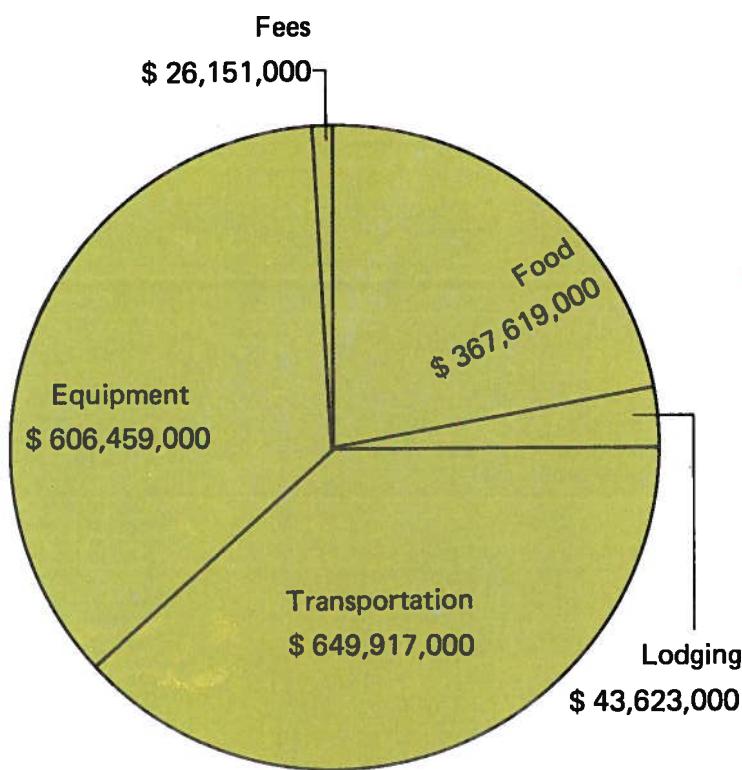




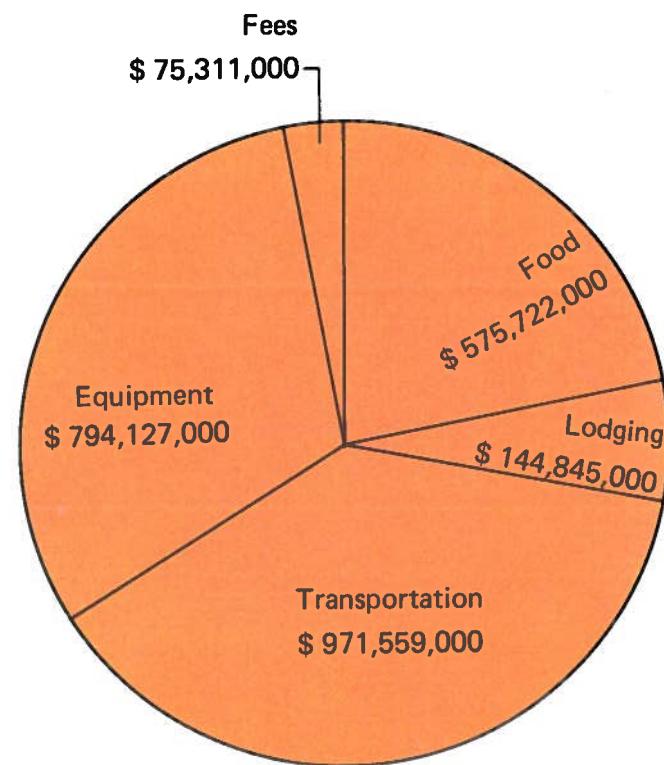
IN 1975, HUNTERS IN THE U.S. SPENT



**SMALL GAME HUNTERS'
EXPENDITURES TOTALED
\$1.69 BILLION IN 1975***

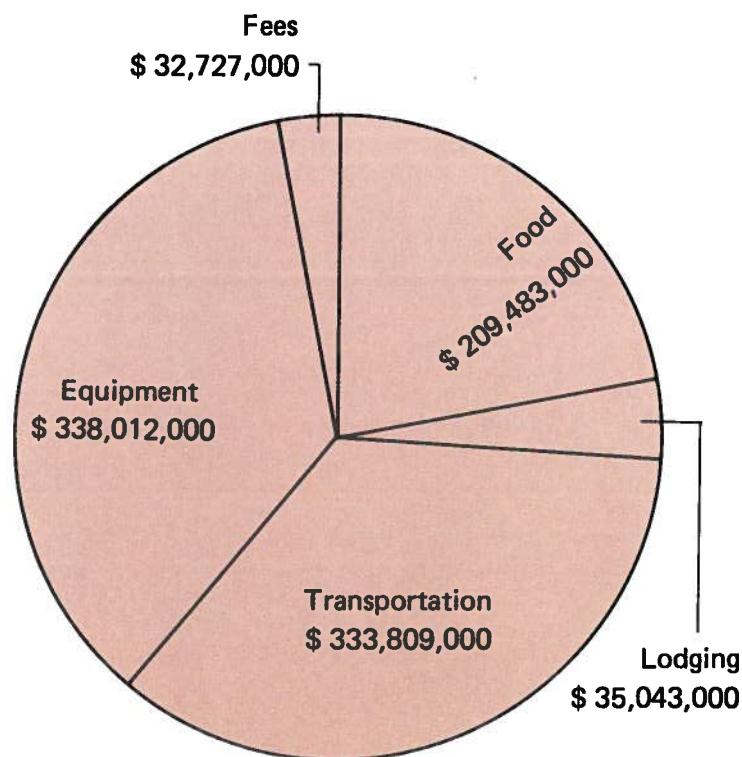


**BIG GAME HUNTERS'
EXPENDITURES TOTALED
\$2.56 BILLION IN 1975***

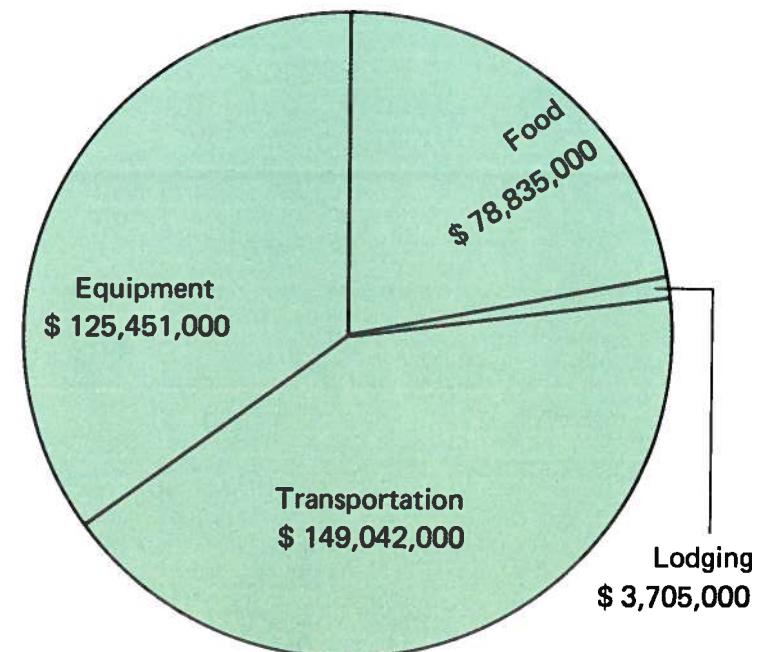


*EXCLUSIVE OF LICENSES

**MIGRATORY BIRD HUNTERS'
EXPENDITURES TOTaled
\$949 MILLION IN 1975***



**OTHER GAME HUNTERS'
EXPENDITURES TOTaled
\$357 MILLION IN 1975****



*EXCLUSIVE OF LICENSES

**EXCLUSIVE OF LICENSES AND FEES

APPENDIX A:

DIFFERENCES BETWEEN SURVEYS

APPENDIX A:

DIFFERENCES BETWEEN SURVEYS

Due to the alteration in both scope and design of the 1975 National Survey of Hunting, Fishing and Wildlife-Associated Recreation, this study (in most aspects) is not directly comparable to the 1955, 1960, 1965 or 1970 studies. The reason for this change was a deliberate attempt to be innovative and responsive to the current needs of resource planners and the like. Details of the major points of departure from the 1970 survey follow:

- In the 1975 survey, all estimates are based on responses from individuals 9 years old or over who hunted or fished on one calendar day in 1975. In the 1970 study, two different sets of estimates were prepared on the number of fishermen and hunters. One estimate, obtained from the screening in which hunters and anglers were identified, related to persons 9 years of age and older. From the second stage of the 1970 study, another estimate was made from detailed data only on that portion of the population 12 years of age or more who participated in hunting and fishing activities on any part of three or more different days or spent at least \$7.50 to hunt or fish.
- The survey technique for the 1975 study employed two phases, utilizing telephone interviews for the initial screening and a followup mail questionnaire. This resulted in 106,294 households being contacted in the first phase and completed useable questionnaires from 20,211 individuals in the second phase. In 1970, an initial screen was accomplished by means of a short mail questionnaire. More detailed data were obtained by means of a personal interview. This technique resulted in a sample of 22,900 households in the first phase and detailed interviews with some 8,700 sportsmen in the second.
- Previous surveys were conducted by the Bureau of the Census in concert with the Current Population Survey. National Analysts of Philadelphia, a private consulting firm, conducted the 1975 study.

- State-level as well as national-level reliability for certain categories of information was provided in 1975 in contrast to only national-level reliability in all past surveys.
- In previous surveys, data were compiled by census geographic regions. To enhance the utility of the 1975 survey for state fish and wildlife resource managers, the tabulations were made at a state-level and subsequently compiled as national statistics.
- Major items of information added to the 1975 survey include:
 - Preferences (that is, the preference for one type of hunting or fishing activity over others)
 - Value estimates (that is, the perceived value measured in dollars of a particular hunting or fishing activity)
 - Attitude questions (that is, specific attitudes toward wildlife management policies)
 - Recreation days at a species level for hunting, warmwater fishing, and sea-run fishing and for water types within fishing categories
 - Most fishing items being broken down into coldwater, warmwater, sea-run, and saltwater
 - “Other Hunting” category was changed to “Migratory Birds.”
- Major items of information collected in 1970, but omitted in the 1975 survey, include:
 - Population density of residence
 - Occupational characteristics
 - Level of education completed
 - Flyways in which waterfowl were hunted.

APPENDIX B:
STATISTICAL TABULATIONS

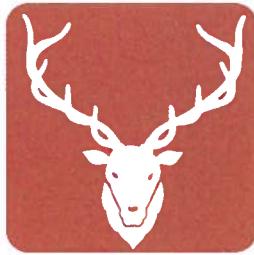


TABLE 1
NUMBER OF PARTICIPANTS AND DAYS USE
IN HUNTING IN NORTH AMERICA IN 1975
BY TYPE OF HUNTING

	BIG GAME HUNTING	SMALL GAME HUNTING	MIGRATORY BIRD HUNTING	HUNTING OF OTHER GAME	ANY HUNTING
PARTICIPANTS*	13055	16238	8697	6313	20591
DAYS USE					
HOME STATE*	108839	196886	68950	81777	456452
ALASKA*	**	**	**	**	**
ELSEWHERE IN THE U.S.*	8036	7036	3000	2423	20495
CANADA*	**	**	**	**	**
MEXICO*	**	**	**	**	**

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY

TABLE 2

**SPECIAL RESOURCE USE FOR HUNTING
IN NORTH AMERICA IN 1975
BY TYPE OF HUNTING**

(TYPE OF WEAPONS USED AND TYPE OF LAND AREA)



	BIG GAME HUNTING	SMALL GAME HUNTING	MIGRATORY BIRD HUNTING	HUNTING OF OTHER GAME	ANY HUNTING
PARTICIPANTS USING . . .					
BOW AND ARROW*	2022	457	24	275	2302
PRIMITIVE FIREARMS*	301	134	17	88	415
MODERN FIREARMS*	12119	15713	8477	6051	19771
DAYS USE					
BOW AND ARROW*	18419	3014	132	1578	23143
PRIMITIVE FIREARMS*	1489	567	75	625	2756
MODERN FIREARMS*	94826	196926	70259	81661	443672
PARTICIPANTS USING . . .					
LEASED AREA*	847	548	473	98	1279
PERSONALLY OWNED AREA*	907	1205	439	418	1752
FEE AREA* **	421	459	688	1327
DAYS USE					
LEASED AREA*	10094	5318	4468	1500	21380
PERSONALLY OWNED AREA*	7649	14281	4272	5756	31958
FEE AREA* **	2222	2356	3084	7662

*REPORTED IN THOUSANDS

**IN U.S. ONLY



TABLE 3
ACREAGE AND EXPENDITURES FOR LEASED OR OWNED HUNTING LAND IN NORTH AMERICA IN 1975 BY PRIMARY USE OF THE LAND

LAND USED PRIMARILY FOR . . .					
	BIG GAME HUNTING	SMALL GAME HUNTING	MIGRATORY BIRD HUNTING	HUNTING OF OTHER GAME	ANY HUNTING
LEASED LAND					
TOTAL NUMBER ACRES					
LEASED* **	111776	16218	21780	2934	152708
TOTAL COSTS*	117063	44208	44357	19095	224723
OWNED LAND					
TOTAL NUMBER ACRES					
OWNED* **	86089	86447	17948	23158	213642
TOTAL COSTS*	649341	762958	131457	307286	1851042

*REPORTED IN THOUSANDS OF ACRES OR DOLLARS

**TOTAL ACRES LEASED OR OWNED



TABLE 4
NUMBER OF PARTICIPANTS AND DAYS USE
IN BIG GAME HUNTING IN THE U.S. IN 1975
BY TYPE OF BIG GAME

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
DEER	12403	96298	6502
WILD TURKEY	1702	8069	773
ELK	914	4973	1506
BEAR	676	3514	580
ANTELOPE	265	350	642
MOOSE	80	513	**
MOUNTAIN SHEEP	35	163	**
MOUNTAIN GOAT	25	54	**
ALL OTHER BIG GAME	201	1936	**
ANY BIG GAME	12992	115870	10241

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 5
NUMBER OF PARTICIPANTS AND DAYS USE
IN SMALL GAME HUNTING IN THE U.S. IN 1975
BY TYPE OF SMALL GAME

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
RABBITS, HARES	10213	87199	2072
SQUIRRELS	8644	67956	1607
QUAIL	6032	45629	1709
PHEASANT	5949	38615	2389
FOREST GROUSE	1978	14148	761
HUNGARIAN AND CHUKAR PARTRIDGES	615	4029	**
PRAIRIE GROUSE	324	1482	**
ANY SMALL GAME	16301	259819	8819

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 6
NUMBER OF PARTICIPANTS AND DAYS USE
IN MIGRATORY BIRD HUNTING IN THE U.S.
IN 1975 BY TYPE OF MIGRATORY BIRD

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
DUCKS	4831	34287	1819
DOVES	4732	27726	765
GEES	2482	16061	907
WOODCOCK	710	3607	**
RAILS, COOTS, GALLINULES	250	1570	**
ALL OTHER MIGRATORY BIRDS	90	799	**
ANY MIGRATORY BIRDS	8562	84050	3681

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 7

NUMBER OF PARTICIPANTS AND DAYS USE
IN HUNTING OF OTHER GAME IN THE U.S.
IN 1975 BY TYPE OF OTHER GAME

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
WOODCHUCK, GROUND SQUIRRELS	3118	35512	1050
CROWS	2453	20862	756
FOX	1533	11384	**
COYOTE	1205	11048	**
ALL OTHER GAME	1334	27069	**
ANY OTHER GAME	6153	105875	3291

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 8
SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(HUNTERS IN THE U.S.)

	BIG GAME HUNTERS	SMALL GAME HUNTERS	MIGRATORY BIRD HUNTERS	HUNTERS OF OTHER GAME	ALL HUNTERS
PARTICIPANTS NUMBER*	12992	16301	8562	6153	20591
AGE (NUMBER)*	12734	16064	8387	6110	20240
PERCENT	100.0	100.0	100.0	100.0	100.0
9-17	12.5	18.6	18.4	22.8	17.0
18-24	16.5	18.8	19.9	23.3	16.9
25-34	27.6	25.6	28.3	25.4	25.7
35-44	17.9	15.4	15.4	13.6	16.2
45-54	13.4	11.0	10.1	7.7	12.3
55-64	7.9	6.9	5.7	4.9	7.6
65 OR OLDER	4.2	3.7	2.2	2.3	4.3
SEX (NUMBER)*	12992	16301	8562	6153	20591
PERCENT	100.0	100.0	100.0	100.0	100.0
MALE	92.2	93.1	93.7	94.3	92.1
FEMALE	7.8	6.9	6.3	5.7	7.9

*REPORTED IN THOUSANDS



TABLE 8
SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(HUNTERS IN THE U.S.)

	BIG GAME HUNTERS	SMALL GAME HUNTERS	MIGRATORY BIRD HUNTERS	HUNTERS OF OTHER GAME	ALL HUNTERS
INCOME (NUMBER)*	10405	12709	6949	4864	16044
PERCENT	100.0	100.0	100.0	100.0	100.0
UNDER \$2,000	8.5	10.9	10.3	13.5	10.2
\$2,000-\$4,999	5.6	6.6	6.5	7.2	6.3
\$5,000-\$7,499	7.0	7.1	5.7	8.1	6.9
\$7,500-\$9,999	12.6	11.7	11.3	11.5	11.5
\$10,000-\$14,999	27.4	25.5	22.2	26.3	25.6
\$15,000-\$24,999	28.2	27.3	28.9	25.4	27.9
\$25,000-\$34,999	6.6	7.0	8.9	5.3	7.2
\$35,000-\$49,999	2.4	2.0	3.2	1.6	2.2
\$50,000 OR MORE	1.7	1.9	3.0	1.1	2.2

*REPORTED IN THOUSANDS



TABLE 9
DAYS HUNTED IN THE U.S. IN 1975
BY LAND OWNERSHIP AND TYPE OF HUNTING

	BIG GAME HUNTING	SMALL GAME HUNTING	MIGRATORY BIRD HUNTING	ANY HUNTING
IN-STATE (PERCENT)	100.0	100.0	100.0	100.0
PRIVATE LAND	58.1	71.1	69.2	67.1
FEDERAL LAND	15.9	6.7	8.0	9.5
STATE WILDLIFE MANAGEMENT AREA	12.5	6.5	9.5	8.7
OTHER STATE AREA	2.0	.8	1.4	1.3
PUBLIC, NOT SPECIFIED	8.0	8.8	7.6	8.4
OWNERSHIP UNKNOWN	3.5	6.1	4.3	5.0
ELSEWHERE IN U.S. (PERCENT)	100.0	100.0	100.0	100.0
PRIVATE LAND	37.1	79.7	57.3	55.3
FEDERAL LAND	38.6	6.9	10.8	23.2
STATE WILDLIFE MANAGEMENT AREA	16.6	5.9	17.8	12.9
OTHER STATE AREA	1.7	.7	7.3	2.2
PUBLIC, NOT SPECIFIED	3.8	2.6	3.4	3.3
OWNERSHIP UNKNOWN	2.2	4.2	3.4	3.1



TABLE 10
HUNTING EXPENDITURES
IN THE U.S. IN 1975

	BIG GAME HUNTING	SMALL GAME HUNTING	MIGRATORY BIRD HUNTING	HUNTING OF OTHER GAME	TOTAL HUNTING
HUNTING EQUIPMENT*	794127	606459	338012	125451	1864049
FOOD, DRINK, REFRESHMENTS*	575722	367619	209483	78835	1231659
LODGING*	144845	43623	35043	3705	227216
PUBLIC TRANSPORTATION*	175929	48259	36868	12168	273224
PERSONAL AUTOMOBILE*	795630	601658	296941	136874	1031103
FEES					
PUBLIC LAND USE/ACCESS*	4439	2829	4084	**	11352
PRIVATE LAND USE/ACCESS*	11226	5273	10814	**	27313
GUIDE*	16686	2594	6995	**	26275
PACK TRIP*	25466	**	5790	**	31256
EQUIPMENT RENTAL*	15813	14507	3487	**	33807
LICENSES, TAGS, STAMPS*	**	**	**	**	277470
OTHER*	1681	948	1557	**	4186
TOTAL EXPENDITURES*	2561564	1693769	949074	357033	5838910

*REPORTED IN THOUSANDS OF DOLLARS

**DATA NOT ASCERTAINED/NOT APPLICABLE BY TYPE OF HUNTING

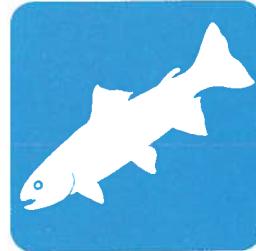


TABLE 11
NUMBER OF PARTICIPANTS
AND DAYS USE IN FISHING IN 1975
BY TYPE OF FISHING

	COLOWATER FISHING	SEA-RUN FISHING	WARMWATER FISHING	SALTWATER FISHING	ANY FISHING
PARTICIPANTS*	18375	6380	40109	16307	53929
DAYS USE					
HOME COUNTY*	115129	22335	500910	102929	741303
ELSEWHERE IN HOME STATE*	67154	19316	224625	55641	366736
HOME STATE, NOT FURTHER SPECIFIED*	10748	4167	24759	5892	45566
ALASKA*	**	**	**	1148
ELSEWHERE IN U.S.*	30319	7857	80006	32936	151118
CANADA*	2232	**	9288	**	12124
OTHER FOREIGN WATERS*	**	**	**	1722	4192

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY

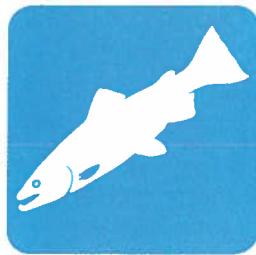


TABLE 12
NUMBER OF PARTICIPANTS AND DAYS USE
IN FEE AREAS FOR FISHING IN THE U.S.
IN 1975

	COLDWATER FISHING	SEA-RUN FISHING	WARMWATER FISHING	SALTWATER FISHING	ANY FISHING
PARTICIPANTS*	3084	1274	6126	2739	10896
DAYS USE*	24868	91648	57147	21912	195575

*REPORTED IN THOUSANDS



TABLE 13
NUMBER OF PARTICIPANTS AND DAYS USE
IN COLDWATER FISHING IN THE U.S.
IN 1975 BY WATER TYPE

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
STREAMS AND RIVERS	11388	85043	13295
LAKES AND PONDS OTHER THAN GREAT LAKES	7386	57739	6130
PONDS AND RESERVOIRS	6440	42975	7617
TAILWATERS	1917	10583	1030
GREAT LAKES	1082	7828	3036
ANY COLDWATER FISHING	18427	204168	31108

*REPORTED IN THOUSANDS



TABLE 14
NUMBER OF PARTICIPANTS AND DAYS USE
IN SEA-RUN FISHING IN THE U.S.
IN 1975 BY WATER TYPE

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
SALT WATERS	2616	16791	2687
STREAMS AND RIVERS	2586	16354	2252
ESTUARIES	2055	13495	2544
GREAT LAKES	1103	4867	1872
ANY SEA-RUN FISHING	6658	51507	9355

*REPORTED IN THOUSANDS

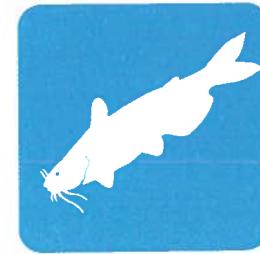


TABLE 15
NUMBER OF PARTICIPANTS AND DAYS USE
IN WARMWATER FISHING IN THE U.S.
IN 1975 BY WATER TYPE

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
LAKES AND RESERVOIRS	18922	253986	25301
LAKES AND PONDS OTHER THAN GREAT LAKES	18245	221910	32567
STREAMS AND RIVERS	14521	151202	10225
FARM PONDS	9125	87844	4528
TAILWATERS	3130	24178	795
GREAT LAKES	2340	15309	3702
ANY WARMWATER FISHING	39751	754429	77118

*REPORTED IN THOUSANDS



TABLE 16
NUMBER OF PARTICIPANTS AND DAYS USE
IN SALTWATER FISHING IN THE U.S.
IN 1975 BY WATER TYPE

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
BAY, SOUND AND COAST BY BOAT	7510	54621	12733
PIER, JETTY, BRIDGE	6850	38020	7727
DEEP SEA	5875	31681	6315
SURF AND SHORE	5065	33084	6076
BRACKISH RIVERS, STREAMS, AND MARSHES	1615	15760	1195
ANY SALTWATER FISHING	16374	173166	34046

*REPORTED IN THOUSANDS

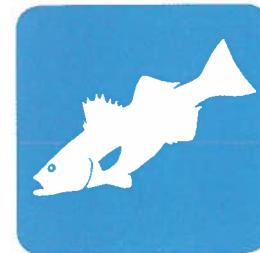


TABLE 17
NUMBER OF PARTICIPANTS AND DAYS USE
IN SEA-RUN FISHING IN THE U.S.
IN 1975 BY TYPE OF SEA-RUN FISH

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
SALMON	2672	13827	2261
STRIPED BASS	2414	18631	3491
STEELHEAD	1429	9530	1137
SEA-RUN TROUT	902	3738	1102
AMERICAN SHAD	315	940	**
HERRING	156	454	**
ALL OTHER SEA-RUN FISH	1083	5878	865
ANY SEA-RUN FISH	6658	52998	9168

*REPORTED IN THOUSANDS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY

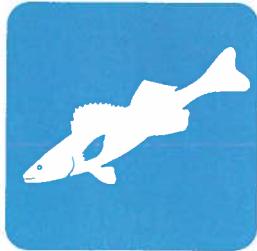


TABLE 18
NUMBER OF PARTICIPANTS AND DAYS USE
IN WARMWATER FISHING IN THE U.S.
IN 1975 BY TYPE OF WARMWATER FISH

	PARTICIPANTS*	DAYS USE	
		IN-STATE*	ELSEWHERE IN U.S.*
PANFISH	27554	333306	37077
BLACK BASS	16679	244647	21137
CATFISH	16445	170764	11832
NORTHERN PIKE, PICKEREL	5954	41319	11287
WALLEYE PIKE, SAUGER	5930	45903	9754
MUSKIE	1624	9747	3209
ALL OTHER WARMWATER FISH	6434	66364	7848
ANY WARMWATER FISH	39751	912050	102144

*REPORTED IN THOUSANDS

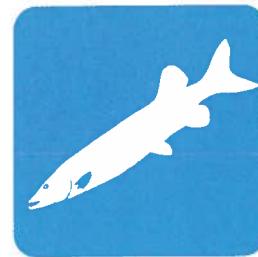


TABLE 19
SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(FISHERMEN IN THE U.S.)

	COLDWATER FISHERMEN	SEA-RUN FISHERMEN	WARMWATER FISHERMEN	SALTWATER FISHERMEN	ALL FISHERMEN
PARTICIPANTS NUMBER*	18427	6658	39751	16374	53929
AGE (NUMBER)*	17724	6236	38279	15612	51712
Percent	100.0	100.0	100.0	100.0	100.0
9-17	27.3	22.1	25.0	20.6	23.8
18-24	13.3	11.6	13.5	12.3	12.8
25-34	21.9	23.5	22.7	24.1	22.4
35-44	11.7	12.0	12.7	12.6	12.4
45-54	11.9	14.9	11.8	15.0	12.8
55-64	8.6	10.1	8.7	10.1	9.8
65 OR OLDER	5.3	5.8	5.6	5.3	6.0
SEX (NUMBER)*	18427	6658	39751	16374	53929
PERCENT	100.0	100.0	100.0	100.0	100.0
MALE	74.5	77.2	69.6	76.0	69.1
FEMALE	25.5	22.8	30.4	24.0	30.9

*REPORTED IN THOUSANDS

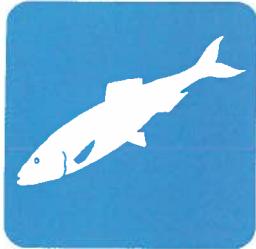


TABLE 19
SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(FISHERMEN IN THE U.S.)

	COLDWATER FISHERMAN	SEA-RUN FISHERMEN	WARMWATER FISHERMEN	SALTWATER FISHERMEN	ALL FISHERMEN
INCOME (NUMBER)*	13607	4818	29448	12590	39829
PERCENT	100.0	100.0	100.0	100.0	100.0
UNDER \$2,000	13.4	8.8	12.4	9.6	11.2
\$2,000-\$4,999	7.1	5.9	6.3	5.6	6.2
\$5,000-\$7,499	6.4	7.6	6.9	5.0	6.8
\$7,500-\$9,999	10.4	12.6	10.3	10.2	10.3
\$10,000-\$14,999	20.6	19.9	23.7	19.9	23.0
\$15,000-\$24,999	28.7	30.0	28.4	31.3	28.9
\$25,000-\$34,999	9.3	10.4	8.0	12.5	8.8
\$35,000-\$49,999	1.7	3.0	2.6	3.4	2.9
\$50,000 OR MORE	2.4	1.8	1.4	2.5	1.9

*REPORTED IN THOUSANDS

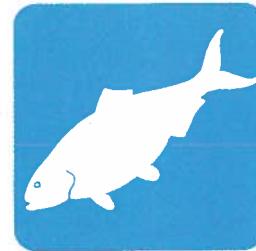


TABLE 20
FISHING EXPENDITURES IN THE U.S.
IN 1975

	COLDWATER FISHING	SEA-RUN FISHING	WARMWATER FISHING	SALTWATER FISHING	TOTAL FISHING
FISHING EQUIPMENT*	397265	157132	1273352	583654	2411403
FOOD, DRINK, REFRESHMENTS*	722392	253468	1726305	710919	3413084
LODGING*	265204	82989	540886	299292	1188371
PUBLIC TRANSPORTATION*	89379	27195	129293	107406	353273
PERSONAL AUTOMOBILE*	1218171	347144	2963895	1113713	5642923
FEES					
PUBLIC AREA ACCESS*	20661	11437	44814	12755	89667
PRIVATE AREA ACCESS*	12261	8838	44959	13259	79317
GUIDE*	8029	8778	17057	14361	48225
PACK TRIP*	3842	**	**	**	3842
EQUIPMENT RENTAL*	70033	26143	202034	62591	360801
CHARTER BOAT*	**	53831	**	245062	298893
BOAT LAUNCHING*	12598	23714	54193	38174	128679
NATURAL BAIT*	107283	54224	451565	223619	836691
LICENSES, TAGS, STAMPS*	**	**	**	**	287817
OTHER*	7354	3060	27616	25553	63583
TOTAL EXPENDITURES*	2934472	1057953	7475969	3450358	15206569

*REPORTED IN THOUSANDS

**DATA NOT ASCERTAINED/NOT APPLICABLE BY TYPE OF FISHING



TABLE 21
1975 FAVORITE BIG GAME HUNTING ACTIVITY
AND VALUE OF THIS ACTIVITY

	DEER HUNTING	ELK HUNTING	WILD TURKEY HUNTING	ANTELOPE HUNTING	OTHER BIG GAME HUNTING	ANY BIG GAME HUNTING
FAVORITE ACTIVITY PARTICIPANTS*	5836	413	175	44	709	7177
VALUE ESTIMATES						
ANNUAL EXPENDITURES*	1028472	75871	13406	2356	91387	1211492
PAY LOSS*	163105	30810	**	**	29000	224767
ANNUAL INCREMENTAL COST*	2354574	72189	14356	**	102289	2548469
TOTAL ANNUAL MAXIMUM COST*	3546151	178870	28951	8080	222676	3984728
TOTAL ANNUAL REPLACEMENT VALUE*	41608233	3195648	711862	**	3930214	49520804

*REPORTED IN THOUSANDS OF PERSONS OR DOLLARS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 22
1975 FAVORITE SMALL GAME HUNTING
ACTIVITY AND VALUE OF THIS ACTIVITY

	UPLAND BIRD HUNTING	SMALL MAMMAL HUNTING	OTHER SMALL GAME HUNTING	ANY SMALL GAME HUNTING
FAVORITE ACTIVITY PARTICIPANTS*	2113	1661	792	4566
VALUE ESTIMATES				
ANNUAL EXPENDITURES*	297080	111311	113100	521491
PAY LOSS*	35820	**	**	53139
ANNUAL INCREMENTAL COST*	381740	190594	133228	705562
TOTAL ANNUAL MAXIMUM COST*	714640	312253	253299	1280192
TOTAL ANNUAL REPLACEMENT VALUE*	11139199	7087808	4775048	23002055

*REPORTED IN THOUSANDS OF PERSONS OR DOLLARS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY

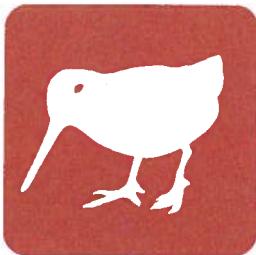


TABLE 23
1975 FAVORITE MIGRATORY BIRD HUNTING
ACTIVITY AND VALUE OF THIS ACTIVITY

	WATERFOWL HUNTING	DOVES, WOODCOCK HUNTING	OTHER MIGRATORY BIRD HUNTING	ANY MIGRATORY BIRD HUNTING
FAVORITE ACTIVITY PARTICIPANTS*	986	452	111	1549
VALUE ESTIMATES				
ANNUAL EXPENDITURES*	229846	31579	29316	290741
PAY LOSS*	31280	**	**	38308
ANNUAL INCREMENTAL COST*	242621	45650	41844	330115
TOTAL ANNUAL MAXIMUM COST*	503747	83199	**	659164
TOTAL ANNUAL REPLACEMENT VALUE*	9694157	1633317	1115560	12443034

*REPORTED IN THOUSANDS OF PERSONS OR DOLLARS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 24
1975 FAVORITE FRESHWATER FISHING ACTIVITY
AND VALUE OF THIS ACTIVITY

	PANFISH FISHING	BASS FISHING	TROUT AND LANDLOCKED SALMON FISHING	CATFISH FISHING	PIKE, WALLEYE FISHING	SEA-RUN FISHING	OTHER FRESH- WATER FISHING	ANY FRESHWATER FISHING
FAVORITE ACTIVITY PARTICIPANTS*	8357	7215	5195	2700	2125	929	3551	30072
VALUE ESTIMATES								
ANNUAL EXPENDITURES*	983357	1439588	638333	166939	515394	126939	546225	4416775
PAY LOSS*	22035	94340	58173	**	**	**	37283	281905
ANNUAL INCREMENTAL COST*	900095	1402075	933378	270251	1454123	1390043	364632	6714597
TOTAL ANNUAL MAXIMUM COST*	1905487	2936003	1629889	467501	1997078	1529179	948140	11413277
TOTAL ANNUAL REPLACEMENT VALUE*	28927309	40216477	26332098	5462856	9004577	3483254	12431494	125858065

*REPORTED IN THOUSANDS OF PERSONS OR DOLLARS

**SAMPLE SIZE TOO SMALL TO REPORT DATA RELIABLY



TABLE 25
1975 FAVORITE SALTWATER FISHING ACTIVITY
AND VALUE OF THIS ACTIVITY

	BAYS, SOUNDS, SALTWATER RIVERS		BIG GAME, OFFSHORE FISHING	SURF FISHING	OTHER SALTWATER FISHING	ANY SALTWATER FISHING
	BOAT FISHING	PIER, JETTY, BRIDGE FISHING				
FAVORITE ACTIVITY PARTICIPANTS*	2633	1025	1650	426	1472	7206
VALUE ESTIMATES						
ANNUAL EXPENDITURES*	456971	50138	377247	39236	387680	1311272
PAY LOSS*	**	**	**	**	**	44320
ANNUAL INCREMENTAL COST*	419452	56095	426300	68916	307934	1278697
TOTAL ANNUAL MAXIMUM COST*	892840	111877	819788	110187	699597	2634289
TOTAL ANNUAL REPLACEMENT VALUE*	12120055	985521	6485852	731591	8245143	28568162

*REPORTED IN THOUSANDS OF PERSONS OR DOLLARS

**SAMPLE SIZE TO SMALL TO REPORT DATA RELIABLY



TABLE 26
SOCIOECONOMIC CHARACTERISTICS OF PARTICIPANTS
(1975 FAVORITE HUNTING OR FISHING ACTIVITY)

	FAVORITE ACTIVITY WAS HUNTING				FAVORITE ACTIVITY WAS FISHING		
	BIG GAME	SMALL GAME	MIGRATORY BIRDS	ANY HUNTING	FRESHWATER	SALTWATER	ANY FISHING
PARTICIPANTS NUMBER*	7177	4566	1549	13292	30072	7206	37278
AGE (NUMBER)*	7018	4521	1511	13050	29551	6944	36495
PERCENT	100.0	100.0	100.0	100.0	100.0	100.0	100.0
9-17	15.6	22.5	15.6	18.0	24.8	18.1	23.5
18-24	17.5	21.0	19.9	19.0	11.5	12.2	11.7
25-34	26.7	22.9	30.7	25.8	21.9	25.5	22.6
35-44	16.6	13.4	17.4	15.6	14.3	13.6	14.2
45-54	13.8	9.3	10.8	11.9	12.1	14.5	12.5
55-64	6.9	7.8	4.0	6.9	9.8	10.5	9.9
65 OR OLDER	2.9	3.1	1.6	2.8	5.6	5.6	5.6
SEX (NUMBER)*	7177	4566	1549	13292	30072	7206	37278
PERCENT	100.0	100.0	100.0	100.0	100.0	100.0	100.0
MALE	89.8	91.9	94.8	91.1	61.9	67.1	62.9
FEMALE	10.2	8.1	5.2	8.9	38.1	32.9	37.1

*REPORTED IN THOUSANDS

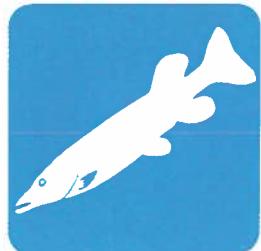


TABLE 26
SOCIOECONOMIC CHARACTERISTICS OF PARTICIPANTS
(1975 FAVORITE HUNTING OR FISHING ACTIVITY)

	FAVORITE ACTIVITY WAS HUNTING				FAVORITE ACTIVITY WAS FISHING		
	BIG GAME	SMALL GAME	MIGRATORY BIRDS	ANY HUNTING	FRESHWATER	SALTWATER	ANY FISHING
INCOME (NUMBER)*	5972	3568	1304	10843	23186	5640	28826
PERCENT	100.0	100.0	100.0	100.0	100.0	100.0	100.0
UNDER \$2,000	8.8	14.2	10.0	10.8	11.8	8.5	11.2
\$2,000-\$4,999	6.9	6.5	5.9	6.6	6.4	4.6	6.0
\$5,000-\$7,499	6.3	7.6	4.8	6.6	7.1	4.5	6.6
\$7,500-\$9,999	11.1	11.4	8.6	10.9	10.1	8.9	9.9
\$10,000-\$14,999	27.2	21.8	19.8	24.5	23.3	19.4	22.5
\$15,000-\$24,999	28.5	26.2	30.4	28.0	28.6	33.1	29.5
\$25,000-\$34,999	7.1	8.3	10.7	7.9	8.4	14.1	9.5
\$35,000-\$49,999	2.6	2.0	2.6	2.4	2.8	4.9	3.2
\$50,000 OR MORE	1.5	2.0	7.2	2.3	1.5	2.0	1.6

*REPORTED IN THOUSANDS



TABLE 27
DIVERSITY OF PARTICIPATION
IN HUNTING AND FISHING ACTIVITIES IN 1975

	HUNTED					FISHED				
	BIG GAME	SMALL GAME	MIGRATORY BIRDS	OTHER GAME	ANY HUNTING	COLDWATER	SEA-RUN	WATERWARM	SALTWATER	ANY FISHING
PARTICIPANTS										
NUMBER*	12992	16301	8562	6153	20591	18427	6658	39751	16374	53929
WHO ALSO . . .										
HUNTED										
BIG GAME*	12992									
SMALL GAME*	9529	16301								
MIGRATORY BIRDS*	5025	7550	8562							
OTHER GAME*	3767	5604	3089	6153						
FISHED										
COLDWATER*	4282	4882	2666	2076	6026	18427				
SEA-RUN*	1403	1674	1148	657	2028	3590	6658			
WARMWATER*	7143	10415	5661	4028	12021	11297	4272	39751		
SALTWATER*	2284	3022	2292	1106	3739	5025	3491	8871		
ANY FISHING*	9214	12477	6829	4725	14990				16374	

*REPORTED IN THOUSANDS

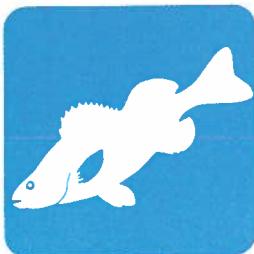


TABLE 28
DEGREE OF DIVERSITY OF PARTICIPATION
IN HUNTING AND FISHING ACTIVITIES IN 1975

	HUNTED					FISHED				
	BIG GAME	SMALL GAME	MIGRATORY BIRDS	OTHER GAME	ANY HUNTING	COLOWATER	SEA-RUN	WARMWATER	SALTWATER	ANY FISHING
PARTICIPANTS NUMBER*	12992	16301	8562	6153	20591	18427	6658	39751	16374	53929
DAYS SPENT . . .										
HUNTING										
BIG GAME*	116788									
SMALL GAME*	125412	207614								
MIGRATORY BIRDS*	43107	64694	70878							
OTHER GAME*	50701	74057	42513	80528						
FISHING										
COLDWATER*	62457	64783	33969	28428	79161	214549				
SEA-RUN*	14756	16028	12047	8046	19793	26542	61999			
WARMWATER*	165755	251943	147210	108013	281463	182047	82102	814779		
SALTWATER*	23413	31253	27288	9931	40388	42451	48084	97742	199146	
ANY FISHING*	266381	364007	220513	154418	420804					

*REPORTED IN THOUSANDS

TABLE 29
PARTICIPATION
AND SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(RECREATIONAL SHOOTING)



	TARGET SHOOTING	PLINKING	ARCHERY	ANY RECREATIONAL SHOOTING
PARTICIPANTS*	13025	7103	5520	18938
DAYS USE*	184564	103775	105929	391638
AGE (NUMBER)*	12702	6933	5414	18435
PERCENT	100.0	100.0	100.0	100.0
9-17	22.2	26.0	31.4	25.0
18-24	20.9	21.0	23.3	21.1
25-34	26.4	25.3	25.7	25.3
35-44	13.6	13.0	11.4	12.9
45-54	9.9	9.1	5.3	9.2
55-64	4.7	3.9	2.0	4.4
65 OR OLDER	2.3	1.7	.9	2.1
SEX (NUMBER)*	13025	7103	5520	18938
PERCENT	100.0	100.0	100.0	100.0
MALE	84.2	82.4	81.6	81.9
FEMALE	15.8	17.6	18.4	18.1

*REPORTED IN THOUSANDS



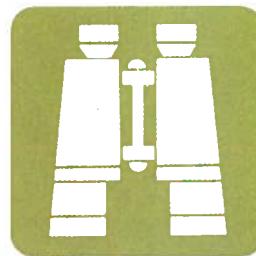
TABLE 29
PARTICIPATION
AND SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(RECREATIONAL SHOOTING)

	TARGET SHOOTING	PLINKING	ARCHERY	ANY RECREATIONAL SHOOTING
INCOME (NUMBER)*	12200	6754	5115	17698
PERCENT	100.0	100.0	100.0	100.0
UNDER \$2,000	.7	.9	.8	.7
\$2,000-\$4,999	3.5	4.1	3.7	3.8
\$5,000-\$7,499	6.8	7.9	7.5	7.2
\$7,500-\$9,999	11.0	11.8	12.1	11.5
\$10,000-\$14,999	26.9	26.8	28.5	26.9
\$15,000-\$24,999	31.9	30.7	29.8	31.0
\$25,000-\$34,999	8.0	8.5	8.6	8.3
\$35,000-\$49,999	2.6	1.8	1.8	2.2
\$50,000 OR MORE	1.6	1.2	1.4	1.4
UNDER \$10,000 NOT FURTHER SPECIFIED	1.7	1.7	1.5	1.8
OVER \$10,000 NOT FURTHER SPECIFIED	5.3	4.6	4.3	5.2

*REPORTED IN THOUSANDS

TABLE 30
PARTICIPATION
AND SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS

(WILDLIFE OBSERVATION, PHOTOGRAPHY, CLAMMING,
CRABBING AND SHELL COLLECTING)



	WILDLIFE OBSERVATION	WILDLIFE PHOTOGRAPHY	CLAMMING, CRABBING, AND SHELL COLLECTING
PARTICIPANTS*	49314	14993	25372
DAYS USE*	1580546	156677	240019
AGE (NUMBER)*	47625	14442	24394
PERCENT	100.0	100.0	100.0
9-17	22.4	14.8	27.7
18-24	14.6	18.3	14.5
25-34	21.7	27.2	20.7
35-44	13.3	13.2	13.7
45-54	12.2	12.6	11.8
55-64	8.6	8.5	7.4
65 OR OLDER	7.2	5.4	4.2
SEX (NUMBER)*	49314	14993	25372
PERCENT	100.0	100.0	100.0
MALE	52.6	57.2	49.4
FEMALE	47.4	42.8	50.6

*REPORTED IN THOUSANDS

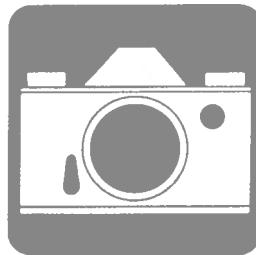


TABLE 30
PARTICIPATION
AND SOCIOECONOMIC CHARACTERISTICS
OF PARTICIPANTS
(WILDLIFE OBSERVATION, PHOTOGRAPHY, CLAMMING,
CRABBING AND SHELL COLLECTING)

	WILDLIFE OBSERVATION	WILDLIFE PHOTOGRAPHY	CLAMMING, CRABBING, AND SHELL COLLECTING
INCOME (NUMBER)*	45790	13843	23146
PERCENT	100.0	100.0	100.0
UNDER \$2,000	.9	.9	.8
\$2,000-\$4,999	5.4	4.2	3.9
\$5,000-\$7,499	8.3	7.2	6.5
\$7,500-\$9,999	11.2	11.2	9.4
\$10,000-\$14,999	24.9	24.3	22.5
\$15,000-\$24,999	28.9	30.2	32.5
\$25,000-\$34,999	8.4	9.3	9.7
\$35,000-\$49,999	2.7	3.3	3.6
\$50,000 OR MORE	1.2	1.7	2.0
UNDER \$10,000 NOT FURTHER SPECIFIED	2.1	2.1	1.8
OVER \$10,000 NOT FURTHER SPECIFIED	6.0	5.6	7.3

*REPORTED IN THOUSANDS

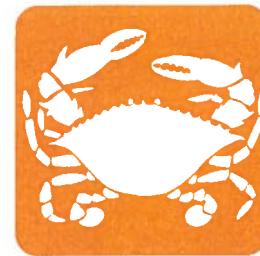


TABLE 31
DIVERSITY OF PARTICIPATION
IN OTHER RECREATIONAL RESOURCES
IN 1975

	OBSERVE WILDLIFE	PHOTOGRAPH WILDLIFE	SHOOT FOR RECREATION		GO CLAMMING, CRABBING, AND SHELL COLLECTING
			FIREARMS	ARCHERY	
PARTICIPANTS NUMBER*	49314	14993	16188	5520	25372
WHO ALSO . . .					
OBSERVE WILDLIFE*	49314
PHOTOGRAPH WILDLIFE*	11522	14993
SHOOT FOR RECREATION					
FIREARMS*	8373	2931	16188
ARCHERY*	3210	1207	2770	5520
GO CLAMMING, CRABBING, SHELL COLLECTING*	12458	4592	3662	1363	25372
DO NO OTHER ACTIVITY*	23966	2223	5353	1041	10710

*REPORTED IN THOUSANDS

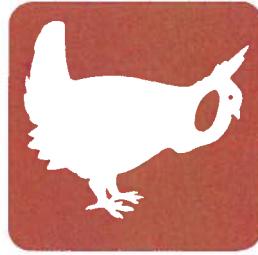


TABLE 32
DIVERSITY OF PARTICIPATION
IN OTHER RECREATIONAL WILDLIFE RESOURCES
IN 1975 BY HUNTERS AND FISHERMEN
AND NON-HUNTERS AND NON-FISHERMEN

	NUMBER OF PARTICIPANTS WHO			
	HUNT ONLY	FISH ONLY	DO BOTH	DO NEITHER
PARTICIPANTS NUMBER*	5607	38939	14984	124807
WHO ALSO . . .				
OBSERVE WILDLIFE*	2053	14619	6968	25674
PHOTOGRAPH WILDLIFE*	588	4864	2338	7202
SHOOT FOR RECREATION				
FIREARMS*	1802	4157	6621	3608
ARCHERY*	492	1457	2283	1289
GO CLAMMING, CRABBING, SHELL COLLECTING*	583	9513	2774	12503
DO NO OTHER ACTIVITY*	2297	17374	4151	88485

*REPORTED IN THOUSANDS

TABLE 33
DEGREE OF DIVERSITY OF PARTICIPATION
IN SPECIAL RECREATIONAL WILDLIFE RESOURCES
IN 1975 BY HUNTERS AND FISHERMEN
AND NON-HUNTERS AND NON-FISHERMEN



	NUMBER OF PARTICIPANTS WHO			
	HUNT ONLY	FISH ONLY	DO BOTH	DO NEITHER
PARTICIPANTS NUMBER*	5607	38939	14984	124807
DAYS SPENT . . .				
OBSERVING WILDLIFE*	61159	445295	220189	853917
PHOTOGRAPHING WILDLIFE*	7185	52969	26840	69715
SHOOTING FOR RECREATION				
FIREARMS*	31117	66410	136453	49839
ARCHERY*	8566	22525	49518	25252
CLAMMING, CRABBING, SHELL COLLECTING*	5084	104548	28489	101774

*REPORTED IN THOUSANDS

APPENDIX C: DEFINITIONS

APPENDIX C

DEFINITIONS

Angler — Any person who participated in hook or line fishing for any part of a day during the calendar year 1975.

Annual Expenditures for Favorite Activity — The average amount of money spent by those who reported expenditures, projected to all persons choosing the specified activity as their favorite.

Annual Incremental Cost for Favorite Activity — The average amount of money sportsmen are willing to spend over and above their actual expenditures to do a particular activity, projected to all persons choosing the specified activity as their favorite.

Annual Replacement Value for Favorite Activity — The average amount of additional income persons say they would require to give up a favorite hunting or fishing activity, projected to all persons choosing the specified activity as their favorite.

Archery — Using a bow and arrow to shoot at a standing target.

Big Game Hunting — Hunting deer, elk, bear, wild turkey and other similar species.

Bow and Arrow Target Shooting — Using a bow and arrow to shoot at a standing target.

Coldwater Fishing — Includes fishing for such species as freshwater trout, landlocked salmon, Kokanee, etc. It does not include salmon or steelhead fishing in the Great Lakes.

Coldwater Fishing States — All states except Alabama and Florida.

Day, Fishing — Any part of a day spent hook and line fishing anywhere. Two definitions were used. In Table 12, a day is classified according to the primary activity engaged in on that day. Elsewhere in the tables, days are counted several times when considering species or water types. Thus, if two species were fished for on the same day, days would be reported in both places.

Day, Hunting — Any part of a day spent hunting in North America.

Two definitions were used. In Table 1, a day is classified according to the primary activity engaged in on that day. Elsewhere in the tables, days are counted several times when considering species. Thus, if two species were hunted for on the same day, days would be reported in both places.

Elsewhere in U. S. — In contrast to in-state (*see definition*), all other states in the U. S., except one's state of residence in 1975, also referred to as non-resident participation.

Equipment for Observing Wildlife — Includes such items as binoculars, boots or special clothing, field guides, field glasses, nets, microscopes, and the like. It does not include photography equipment such as cameras, lenses, etc.

Estuaries — Tidal brackish waters, bays, coastal river mouths and inlets.

Field Guides — Books which describe and show pictures of birds, animals, fish, etc., that are used for identifying species and other pertinent information.

Fisherman — Any person who participated in hook or line fishing for any part of a day during the calendar year 1975. Also referred to as angler.

Fishing — Refers to only one type of fishing, hook and line fishing. It does not include net or spear fishing.

Fishing Equipment — All forms of supplies and gear used in fishing such as lines, rods and reels, bait holders, etc. It does not include boats, natural bait or gear used for fishing that could be used for other things, such as camping.

Great Lakes — Lake Superior, Michigan, Huron, Erie and Ontario.

Hunter — Any person who participated in hunting in North America for any part of a day during calendar year 1975.

Hunting — Searching for game with modern firearms, primitive firearms, or bows and arrows. It does not include trapping.

Hunting Equipment — All forms of supplies and gear used in hunting, such as guns, rifles, decoys, ammunition, etc. It does not include gear used in hunting that could be used for other things, such as camping equipment or equipment bought primarily for target shooting.

In-state — In one's state of residence as of 1975. Also referred to as resident participation.

Lakes and Ponds (Other than the Great Lakes) — Natural bodies of water.

Migratory Bird Hunting — Hunting ducks, geese, doves and other similar species.

Modern Firearms — All guns and rifles other than old-fashioned muzzle loaders.

Observing Wildlife — Trips made for the primary purpose of seeing or looking at wild animals, fish, etc., in natural settings. It does not include trips to zoos or trips where the primary purpose was photographing wild animals.

Other Hunting — Hunting of crows, woodchucks and other similar species usually considered pests and usually not hunted as food.

Pay Loss for Favorite Activity — The average amount of pay loss, projected to those who reported a loss in pay to do a particular favorite activity.

Photographing Wildlife — Trips made to take or attempt to take pictures of wild animals, birds, fish, etc., in natural settings.

Plinking — Shooting with a gun or rifle at random targets such as tree stumps or tin cans.

Primitive Firearms — Old-fashioned muzzle loaders.

Reservoirs and Ponds — Manmade bodies of water created by dams.

Saltwater Fishing — Includes fishing for such species as flounder, bluefish, cod, etc., that live and breed in salt waters.

Saltwater Fishing States — Includes Alabama, Alaska, California, Connecticut, Delaware, Florida, Georgia, Hawaii, Louisiana, Maine, Maryland, Massachusetts, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Oregon, Rhode Island, South Carolina, Texas, Virginia and Washington.

Salt Waters — Oceanic waters.

Sea-Run Fishing — Fishing for species like salmon, shad and steelhead that move from salt water to fresh water to spawn or from the Great Lakes to rivers to spawn.

Sea-Run Fishing States — Includes Alabama, Alaska, California, Connecticut, Delaware, Florida, Georgia, Idaho, Illinois, Indiana, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, New Hampshire, New Jersey, New York, North Carolina, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, Texas, Virginia, Washington and Wisconsin.

Skeet or Trap Shooting — Shooting with a gun or rifle at clay targets in flight.

Small Game Hunting — Hunting rabbits, quails, squirrels and other similar species.

Streams and Rivers — Fresh-flowing waters.

Tailwaters — Waters immediately downstream from dams.

Target Shooting — Shooting at objects or targets with a gun or rifle.

Total Annual Maximum Cost for Favorite Activity — The maximum amount of money people say they are willing to spend to participate in a particular activity. It is a summation of annual expenditures, pay loss and annual incremental costs.

Warmwater Fishing — Includes fishing for such species as black bass, walleye pike, sauger, panfish, muskie, etc.

Warmwater Fishing States — Includes all states except Alaska.

APPENDIX D:
EXPLANATORY NOTES ON TABLES

APPENDIX D:**EXPLANATORY NOTES ON TABLES**

The following is a table-by-table explanation of the headings and calculations.

Number of participants and days use are always reported in thousands. The sample size, where reported, is always the unweighted, actual number of persons who reported the information requested. A dash (—) means that there were either no persons, days, etc., in that category or that the weighted number was smaller than 500. An asterisk (*) may appear in the tables which indicates that the percentage is less than .05%. A sample size figure may appear where a dash (—) is reported for the number of participants or days use. In these cases, the weighted number when tabulated was less than 500.

Those persons who reported a "don't know" response to a given question have been assigned the average value for that cell.

In all cases, except where noted otherwise, all dollar amounts have been rounded to the nearest dollar on an individual basis. Tables where dollar values are presented indicate whether or not the values are reported in thousands, or as actual numbers.

Table 1 — The "any hunting" column under participants includes information from any person who reported hunting in 1975, even if the type of activity engaged in was not known. Days use under "any hunting" is the sum of the first four columns.

Table 2 — Data are reported for land leased or owned anywhere in North America. Fee area information applies only to using fee areas in the U.S.

Tables 4-7 — The last column on all tables under days use is the sum of days reported in the preceding columns.

Table 8 — "All hunters" includes any person who reported having hunted in 1975 regardless of what type was done.

Table 9 — "Any hunting" is the sum of the three hunting types.

Table 10 — Personal automobile expenditures are the number of miles reported multiplied by 14+¢ per mile. License information was only collected on an overall basis, since licenses may cover several types of hunting. "Other" fees include such items as duck blinds, cook fees, parking fees for recreational vehicles, etc.

Table 11 — The "any fishing" column under participants includes any person who reported hook and line fishing in 1975, even if the type of activity engaged in was not known. Days use under "any fishing" is the sum of the first four columns.

Table 12 — Fee area information applies only to using fee areas in the U.S.

Tables 13-18 — The last column on all tables under days use is the sum of days reported in the preceding columns.

Table 19 — "All fishermen" includes any person who reported having fished in 1975 regardless of the type done.

Table 20 — Personal automobile expenditures are the number of miles reported multiplied by 14+¢ per mile. License information was only collected on an overall basis, since licenses may cover several types of fishing. "Other" fees include such items as parking for recreational vehicles, cook fees, etc.

Tables 27-28 — These are companion tables. The "any fishing" information reported under the hunting columns represents each person counted only once, even though that person may have engaged in more than one form of fishing.

The number of days in Table 28 for big game hunters who also did small game hunting is derived by taking the number of days reported by the participants in Table 27 under the big game column next to small game. Thus, if 100 of the 200 big game hunters also hunted small game, the number of days reported in Table 28 is the number of days reported by the 100 participants reported in Table 27.

Table 29 – Participants in the “any recreational shooting” column represents each person counted only once, while days use is the sum of the days reported in the previous columns.

Tables 32-33 – These are companion tables on participants who hunt only (i.e., did not fish), fish only participants (i.e., did not hunt), and participants who did both.

The number of days in Table 33 for hunt only participants who also observed wildlife are derived by taking the number of days reported by the participants in Table 32 under the hunt only column next to wildlife observation. Thus, if 100 of the 200 hunt only participants also observed wildlife, the number of days reported in Table 33 is the number of days reported by the 100 participants reported in Table 32.

