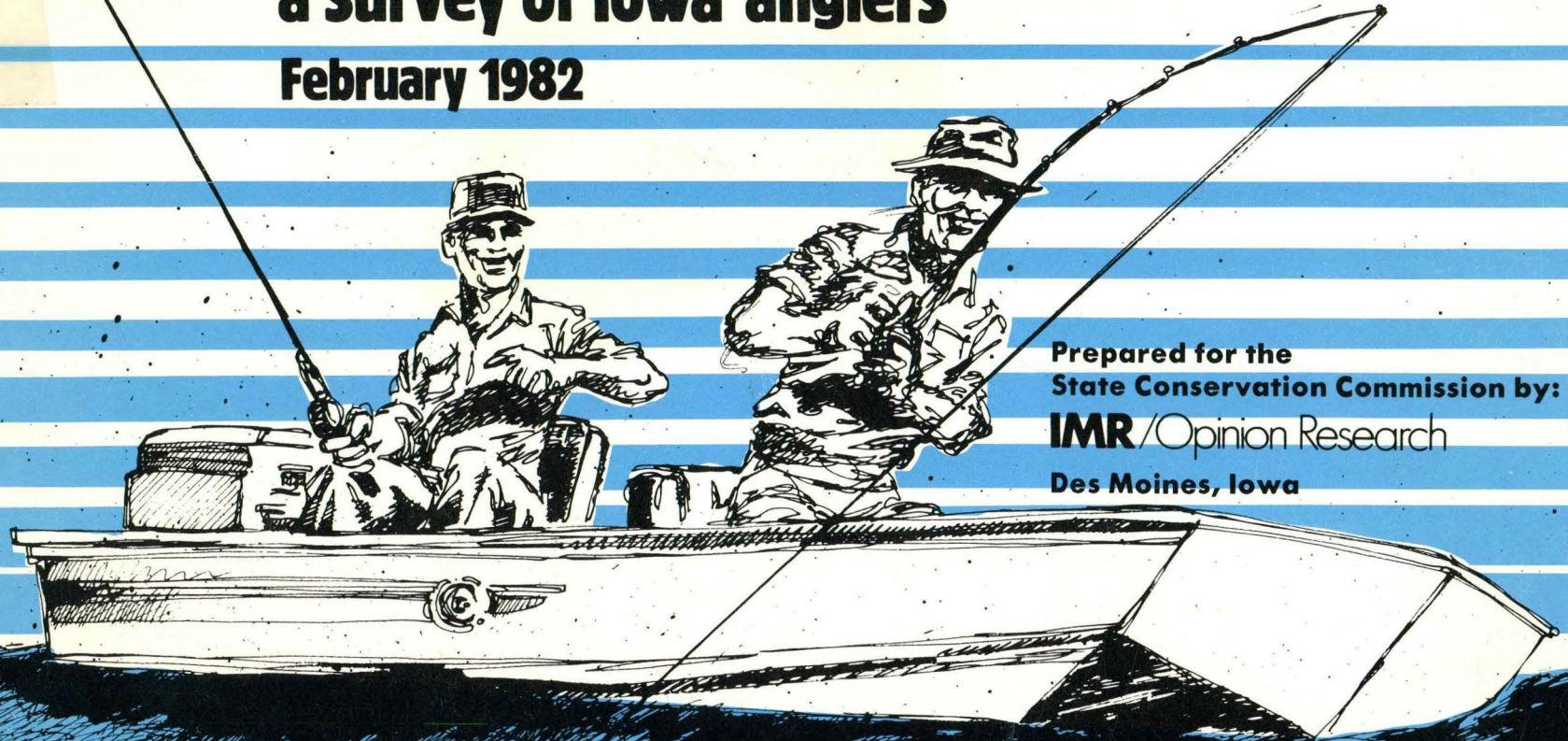


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FISHING IN IOWA

a survey of Iowa anglers

February 1982



Prepared for the
State Conservation Commission by:

IMR / Opinion Research

Des Moines, Iowa

INTRODUCTION

In a continuing effort to monitor and quantify the fishing habits and preferences of Iowa's anglers, the Iowa Conservation Commission has undertaken to conduct a statewide study of its resident, licensed anglers. Survey results permit the commission to better understand and, subsequently, meet the needs and requirements of their particular fishing constituency.

Since a similar study was commissioned for 1975, it is now possible to make comparisons of data and to note any changes which may have taken place during the preceding six years. The Iowa Conservation Commission now finds itself in the position of being able to determine the impact its management and policy decisions may have had on fishing in Iowa and to be alert to the changing needs of Iowa's anglers.

The following report explains in detail the results of the statewide survey of anglers for the Iowa Conservation Commission as conducted by IMR/Opinion Research.

THE SAMPLE

This report contains the results of a survey of licensed, resident anglers in Iowa. The data was collected by using structured, systematic telephone interviews with a sample of resident, licensed anglers drawn from each of Iowa's 99 counties.

Interviewing was conducted between February 15, 1982, and March 10, 1982. A total of 3,000 respondent anglers were interviewed.

The stratified, random sample used in the study was designed to reflect a proportional distribution by county of persons who purchased resident fishing and resident fishing/hunting licenses in each Iowa county during 1981. Qualified respondents were identified from license sales receipts on file with the Iowa Conservation Commission.

In order to extrapolate from the sample data to estimates descriptive of the entire target population, a response weighting factor was incorporated into the computer program used for data tabulation.

In any given county, each interviewed angler was a theoretical representative of approximately 142.5 other licensed anglers who purchased a license in that county but who were not interviewed nor included in the survey sample. The response weighting factor was applied against results for each survey question.

It was understood that respondent anglers were not necessarily residents of the county in which their license was purchased.

DATA FORMAT

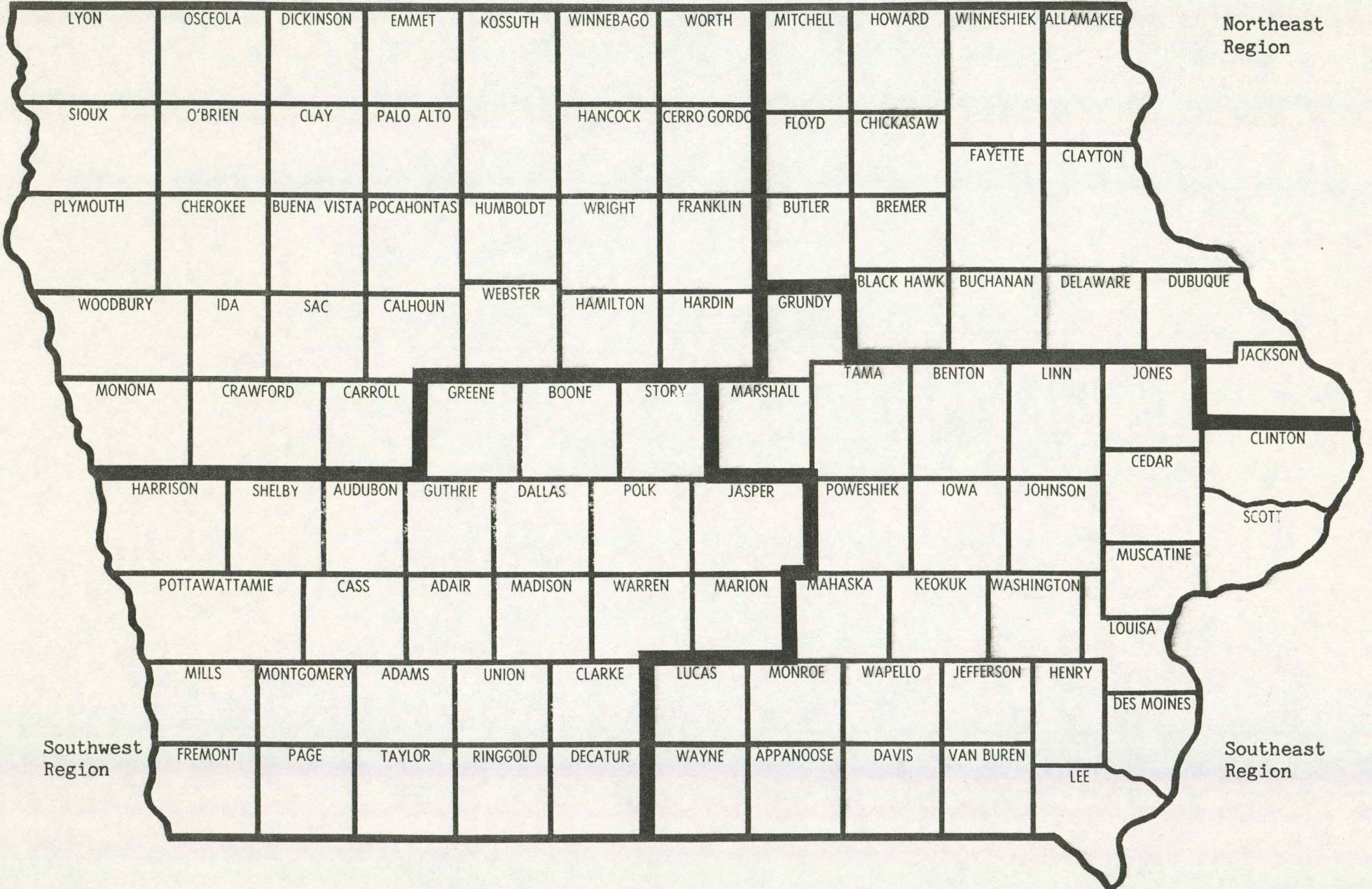
To correspond with Iowa Conservation Commission management areas, the results to the 1981 Survey of Anglers have been tabulated for the entire state, regions and districts, and eastern and western river counties.

The following four pages indicate the particular configuration of counties for each of the geographic areas used.

CONFIGURATION OF REGIONS

Northwest Region

Northeast Region



CONFIGURATION OF REGIONS AND DISTRICTS

NORTHWEST REGION

District 1 - Buena Vista
Calhoun
Carroll
Cherokee
Clay
Crawford
Dickinson
Emmett
Ida
Lyon
Monona
O'Brien
Osceola
Palo Alto
Plymouth
Pocahontas
Sac
Sioux
Webster
Woodbury

District 2 - Cerro Gordo
Franklin
Hamilton
Hancock
Hardin
Humboldt
Kossuth
Winnebago
Worth
Wright

NORTHEAST REGION

District 3 - Allamakee
Chickasaw
Clayton
Fayette
Floyd
Howard
Mitchell
Winneshiek

District 4 - Black Hawk
Bremer
Buchanan
Butler
Delaware
Dubuque
Jackson

SOUTHWEST REGION

District 5 - Adair
Audubon
Cass
Fremont
Harrison
Mills
Montgomery
Pottawattamie
Shelby

District 6 - Boone
Dallas
Greene
Guthrie
Jasper
Marion
Polk
Story
Warren

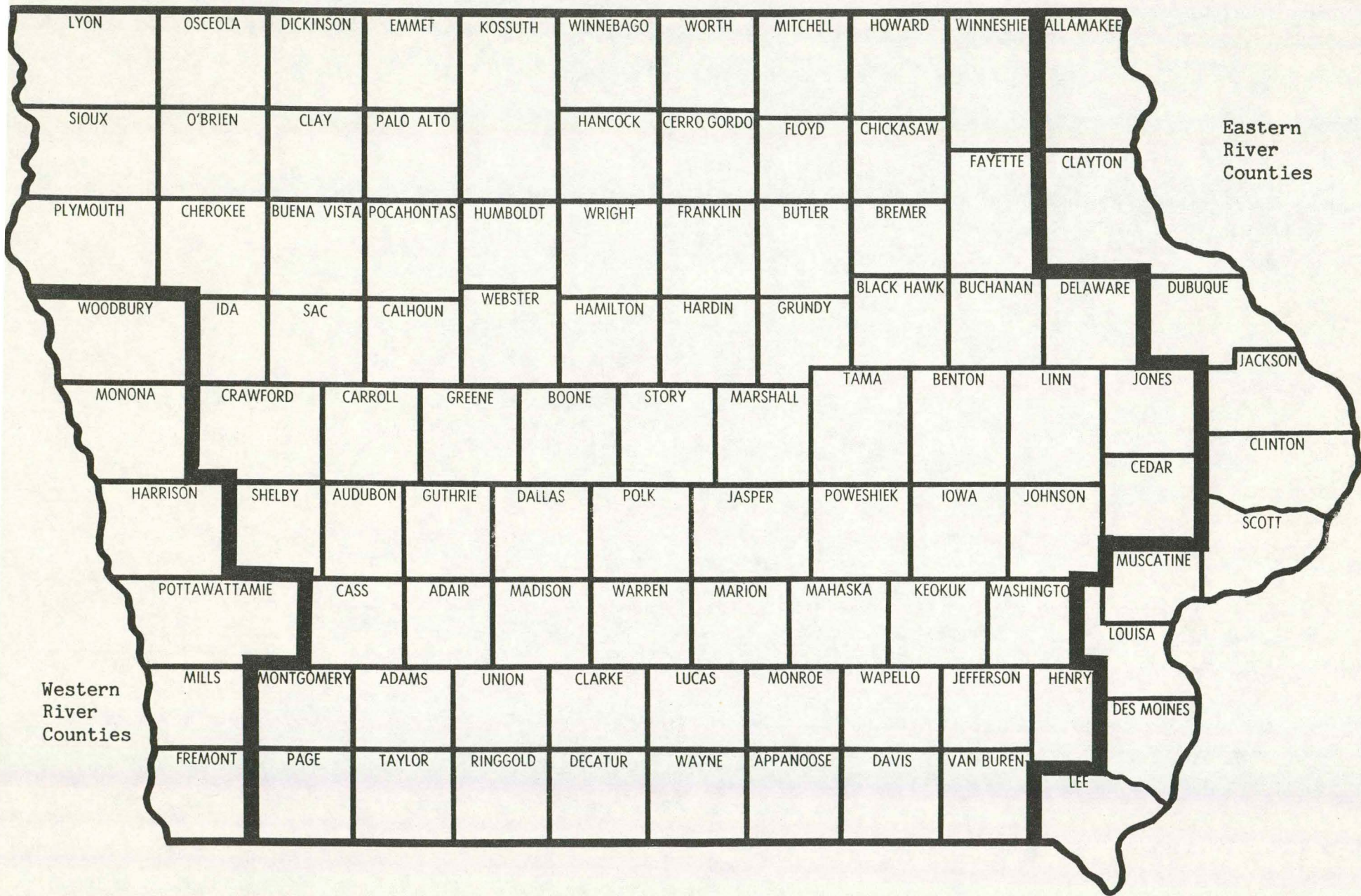
District 7 - Adams
Clarke
Decatur
Madison
Page
Ringgold
Taylor
Union

SOUTHEAST REGION

District 8 - Appanoose
Davis
Lucas
Mahaska
Monroe
Van Buren
Wapello
Wayne

District 9 - Clinton
Des Moines
Henry
Jefferson
Keokuk
Lee
Louisa
Muscatine
Scott
Washington

District 10 - Benton
Cedar
Grundy
Iowa
Jones
Johnson
Linn
Marshall
Poweshiek
Tama



WESTERN RIVER COUNTIES

District 11 - Fremont
Harrison
Mills
Monroe
Pottawattamie
Woodbury

EASTERN RIVER COUNTIES

District 12 - Allamakee
Clayton
Clinton
Des Moines
Dubuque
Jackson
Lee
Louisa
Muscatine
Scott

These two districts (11 and 12) are made up of counties which border either the Missouri or the Mississippi Rivers.

Each of these counties was included in one of the other ten districts.

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WHO ARE THE LICENSED ANGLERS OF IOWA?

SEX DISTRIBUTION OF LICENSED ANGLERS

| <u>Sex</u> | <u>Regions</u> | | | | | | | | | | <u>Iowa Total Population (U.S. Census)</u> | |
|------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|--|-------------|
| | <u>Statewide</u> | | <u>NW Region</u> | | <u>NE Region</u> | | <u>SW Region</u> | | <u>SE Region</u> | | <u>1975</u> | <u>1980</u> |
| | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | | |
| Males | 75% | 74% | 74% | 75% | 75% | 73% | 75% | 76% | 74% | 71% | 48% | 49% |
| Females | 25 | 26 | 26 | 25 | 25 | 27 | 25 | 24 | 26 | 29 | 52 | 51 |

AGE DISTRIBUTION OF LICENSED ANGLERS

| <u>Age</u> | <u>Regions</u> | | | | | | | | | | <u>Age 16 & Older (U.S. Census)</u> | |
|--------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|------------------|-------------|---|-------------|
| | <u>Statewide</u> | | <u>NW Region</u> | | <u>NE Region</u> | | <u>SW Region</u> | | <u>SE Region</u> | | <u>1975</u> | <u>1980</u> |
| | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | <u>1975</u> | <u>1981</u> | | |
| 16-29 | 24% | 26% | 24% | 27% | 23% | 28% | 26% | 28% | 21% | 23% | 30% | 34% |
| 30-49 | 35 | 43 | 33 | 39 | 34 | 43 | 36 | 43 | 37 | 45 | 31 | 29 |
| 50-64 | 28 | 26 | 28 | 28 | 31 | 24 | 25 | 24 | 30 | 27 | 21 | 19 |
| 65 and older | 13 | 5 | 15 | 6 | 12 | 5 | 13 | 5 | 12 | 5 | 18 | 18 |

As in 1975, about three out of four purchasers of Iowa resident fishing and fishing/hunting licenses are males. While this pattern is relatively consistent for the four regions, the percentage of females with licenses in the Southeast Region continues to increase.

The total number of licenses sold has declined slightly since 1975, from almost 500,000 to 482,000 in 1980. The most dramatic decline appears among those 65 years old and older, across all regions. This can probably be explained by commission records indicating 85,222 lifetime fishing licenses and lifetime combination hunting/fishing licenses were purchased by anglers 65 years old and older from 1976-1979.

Increases in licensed anglers have occurred in all regions among the 30 to 49 year old age group.

HOW OFTEN DO IOWA ANGLERS FISH?

MAN-DAYS OF FISHING IN IOWA

| | <u>Statewide</u> | <u>Regions</u> | | | |
|--|------------------|------------------|------------------|------------------|------------------|
| | | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| Total Fishing Days in 1981 | | | | | |
| All licensed resident anglers | 12,742,921 | 2,594,498 | 2,066,963 | 3,773,115 | 4,308,345 |
| Total Fishing Days in 1975 | | | | | |
| All licensed resident anglers | 10,302,857 | 2,417,786 | 1,940,145 | 2,542,398 | 3,402,528 |
| Average Fishing Days per Licensed Angler in 1981 | 30 | 27 | 28 | 32 | 31 |
| Average Fishing Days per Licensed Angler in 1975 | 21 | 19 | 23 | 20 | 23 |
| % of Licensed Anglers who fished... | | | | | |
| 0 days | 3% | 4% | 3% | 3% | 2% |
| 1-5 days | 19 | 22 | 20 | 18 | 18 |
| 6-15 days | 27 | 31 | 27 | 24 | 25 |
| 16-30 days | 20 | 16 | 21 | 21 | 21 |
| 31-60 days | 18 | 16 | 17 | 20 | 20 |
| 61 or more days | 13 | 11 | 12 | 14 | 14 |

The total number of fishing days for the licensed, resident anglers in Iowa increased 24 percent since 1975 to almost 13 million man-days of fishing. In the Southwest Region, total fishing days increased almost 50 percent from six years ago, the largest increase of all regions.

Statewide, the average fishing days per licensed angler increased 43 percent from 1975 to 30 days per angler. The inference is that those anglers who are purchasing licenses are fishing more frequently, getting more use from their license.

Only three percent of licensed anglers did not go fishing at all during the year, down from seven percent in 1975. More than half (51 percent) of Iowa anglers fished 16 or more days, compared with only 39 percent who fished that often in the last angler study.

HOW OFTEN DO IOWA ANGLERS FISH?

MAN-DAYS OF FISHING IN IOWA

| | Regions/Districts | | | | | | | | | |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | Northwest | | Northeast | | Southwest | | | Southeast | | |
| | <u>District 1</u> | <u>District 2</u> | <u>District 3</u> | <u>District 4</u> | <u>District 5</u> | <u>District 6</u> | <u>District 7</u> | <u>District 8</u> | <u>District 9</u> | <u>District 10</u> |
| <u>1981</u> | | | | | | | | | | |
| Total Fishing Days All licensed resident anglers | 1,774,553 | 819,945 | 563,160 | 1,503,803 | 897,038 | 2,499,593 | 376,484 | 912,998 | 1,792,935 | 1,602,412 |
| Average Fishing Days per Licensed Angler | 26 | 27 | 22 | 31 | 29 | 34 | 30 | 36 | 33 | 28 |
| % of Licensed Anglers who fished... | | | | | | | | | | |
| 0 days | 3% | 4% | 3% | 2% | 4% | 3% | 3% | 2% | 1% | 3% |
| 1-5 days | 23 | 20 | 24 | 18 | 18 | 17 | 22 | 19 | 16 | 21 |
| 6-15 days | 31 | 31 | 33 | 25 | 27 | 23 | 24 | 21 | 25 | 26 |
| 16-30 days | 17 | 15 | 19 | 22 | 20 | 21 | 20 | 24 | 23 | 18 |
| 31-60 days | 14 | 19 | 12 | 19 | 21 | 21 | 16 | 20 | 20 | 19 |
| 61 or more days | 12 | 11 | 9 | 14 | 10 | 15 | 15 | 14 | 15 | 13 |

HOW OFTEN DO IOWA ANGLERS FISH?

MAN-DAYS OF FISHING IN IOWA

| 1981 | Western | Eastern | Fishing | | Combination | |
|--|-------------------|-------------------|-----------------|------------|-----------------|------------|
| | River Counties | River Counties | License Holders | | License Holders | |
| | | | Total | 65 & older | Total | 65 & older |
| Total Fishing Days | | | | | | |
| All licensed resident anglers | 939,360 | 2,071,523 | 6,795,255 | 318,773 | 5,947,666 | 73,673 |
| Average Fishing Days per Licensed Angler | 28 | 33 | 25 | 18 | 39 | 27 |
| % of Licensed Anglers who fished... | | | | | | |
| 0 days | 5% | 1% | 3% | 8% | 3% | 5% |
| 1-5 days | 20 | 16 | 23 | 28 | 12 | 26 |
| 6-15 days | 27 | 27 | 30 | 31 | 22 | 21 |
| 16-30 days | 20 | 21 | 20 | 16 | 20 | 16 |
| 31-60 days | 18 | 19 | 15 | 12 | 24 | 16 |
| 61 or more days | 10 | 16 | 9 | 5 | 19 | 16 |

HOW OFTEN DO IOWA ANGLERS FISH?

MAN-DAYS OF FISHING IN IOWA

| <u>1981</u> | <u>Total</u> | <u>Age</u> | | | | <u>Sex</u> | |
|-------------------------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|
| | | <u>16-29</u> | <u>30-49</u> | <u>50-64</u> | <u>65+</u> | <u>Male</u> | <u>Female</u> |
| % of Licensed Anglers who fished... | | | | | | | |
| 0 days | 3% | 1% | 1% | 7% | 7% | 3% | 3% |
| 1-5 days | 19 | 15 | 19 | 21 | 29 | 17 | 25 |
| 6-15 days | 27 | 24 | 28 | 27 | 31 | 26 | 29 |
| 16-30 days | 20 | 21 | 19 | 21 | 15 | 20 | 20 |
| 31-60 days | 18 | 21 | 20 | 14 | 12 | 19 | 16 |
| 61 or more days | 13 | 18 | 13 | 10 | 6 | 15 | 7 |
| Total Anglers | 427,496 | 110,876 | 182,269 | 111,061 | 23,290 | 315,492 | 112,004 |

HOW SUCCESSFUL ARE IOWA ANGLERS?

NUMBERS OF FISH CAUGHT

| | <u>Statewide</u> | <u>Regions</u> | | | |
|--|------------------|------------------|------------------|------------------|------------------|
| | | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| Total Number of Fish Caught in 1981 | 68,907,587 | 13,123,538 | 13,606,328 | 19,834,718 | 22,343,003 |
| Total Number of Fish Caught in 1975 | 43,140,688 | 10,595,141 | 8,379,916 | 9,534,706 | 14,626,318 |
| Average number of fish caught per angler who went fishing at least once in | | | | | |
| 1981 | 166 | 139 | 188 | 173 | 167 |
| 1975 | 95 | 89 | 106 | 79 | 108 |
| Average number of fish caught per man-day of fishing in | | | | | |
| 1981 | 5 | 5 | 7 | 5 | 5 |
| 1975 | 4 | 4 | 4 | 4 | 4 |
| % of anglers who went fishing at least once and who caught a total of... | | | | | |
| 0 fish | 6% | 8% | 6% | 6% | 6% |
| 1-25 fish | 21 | 21 | 20 | 19 | 22 |
| 26-50 fish | 15 | 17 | 13 | 15 | 14 |
| 51-100 fish | 18 | 18 | 19 | 18 | 18 |
| more than 100 fish | 40 | 36 | 42 | 42 | 40 |

Among those anglers who went fishing at least once during the year, the average catch for the year was 166 fish. All regions showed marked increases by anglers in the average number of fish caught per angler, but in the Southwest Region this increased by 119 percent.

An average of five fish per man-day of fishing was consistent for all regions, up from four per man-day in 1975. However, in the Northeast Region the average number increased to seven fish caught per man-days.

HOW SUCCESSFUL ARE IOWA ANGLERS?

NUMBER OF FISH CAUGHT

| | <u>Regions/Districts</u> | | | | | | | | | |
|---|--------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | <u>Northwest</u> | | <u>Northeast</u> | | <u>Southwest</u> | | | <u>Southeast</u> | | |
| | <u>District 1</u> | <u>District 2</u> | <u>District 3</u> | <u>District 4</u> | <u>District 5</u> | <u>District 6</u> | <u>District 7</u> | <u>District 8</u> | <u>District 9</u> | <u>District 10</u> |
| <u>1981</u> | | | | | | | | | | |
| Total Number of Fish Caught | 9,276,038 | 3,847,500 | 4,045,860 | 9,560,468 | 4,750,095 | 13,146,338 | 1,938,285 | 3,233,753 | 9,828,510 | 9,280,740 |
| Average number of fish caught per angler who went fishing at least once in 1981 | 143 | 131 | 166 | 199 | 158 | 182 | 160 | 131 | 182 | 168 |
| Average number of fish caught per man-day of fishing | 5 | 5 | 7 | 6 | 5 | 5 | 5 | 4 | 5 | 6 |
| % of anglers who went fishing at least once and who caught a total of... | | | | | | | | | | |
| 0 fish | 8% | 8% | 10% | 4% | 6% | 5% | 9% | 7% | 3% | 7% |
| 1-25 fish | 20 | 22 | 21 | 20 | 20 | 18 | 24 | 20 | 22 | 23 |
| 26-50 fish | 16 | 20 | 10 | 14 | 15 | 16 | 16 | 12 | 14 | 16 |
| 51-100 fish | 19 | 15 | 18 | 19 | 19 | 18 | 16 | 21 | 17 | 18 |
| more than 100 fish | 37 | 35 | 41 | 43 | 40 | 43 | 35 | 40 | 44 | 36 |

HOW SUCCESSFUL ARE IOWA ANGLERS?

| | <u>NUMBER OF FISH CAUGHT</u> | | | | | |
|---|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| <u>1981</u> | | | | | | |
| Total Number of Fish Caught | 5,038,230 | 11,488,635 | 34,028,003 | 1,671,668 | 34,879,584 | 400,425 |
| Average number of fish caught per angler who went fishing at least once in 1981 | 159 | 184 | 128 | 105 | 234 | 156 |
| Average number of fish caught per man-day of fishing | 6 | 6 | 5 | 6 | 6 | 6 |
| % of anglers who went fishing at least once and who caught a total of... | | | | | | |
| 0 fish | 8% | 3% | 7% | 12% | 5% | 0% |
| 1-25 fish | 18 | 20 | 26 | 30 | 11 | 28 |
| 26-50 fish | 14 | 15 | 17 | 13 | 12 | 22 |
| 51-100 fish | 20 | 18 | 18 | 15 | 19 | 22 |
| more than 100 fish | 40 | 44 | 32 | 30 | 53 | 28 |

WHAT KINDS OF FISH ARE CAUGHT IN IOWA?

TYPE OF FISH CAUGHT (Percentage of Total Catch)

| Type of Fish | Statewide | | Regions | | | |
|---------------------------------|-------------------|------|-------------------|-------------------|-------------------|-------------------|
| | 1975 | 1981 | NW Region | NE Region | SW Region | SE Region |
| Bluegill | 15% | 22% | 14% | 25% | 25% | 19% |
| Crappie | 17 | 20 | 16 | 15 | 24 | 20 |
| Bullhead | 22 | 18 | 29 | 18 | 14 | 11 |
| Catfish | 16 | 9 | 5 | 5 | 10 | 11 |
| Bass | 10 | 11 | 9 | 12 | 13 | 14 |
| Largemouth Bass | 6 | 6 | 5 | 5 | 8 | 7 |
| Smallmouth Bass | 2 | 2 | 2 | 3 | 1 | 3 |
| White Bass | 1 | 3 | 2 | 4 | 4 | 4 |
| Unspecified | 1 | | | | | |
| Pike | 4 | 4 | 8 | 6 | 2 | 5 |
| Northern Pike | 1 | 1 | 3 | 2 | 1 | 1 |
| Walleye Pike | 3 | 3 | 5 | 4 | 1 | 4 |
| Unspecified | 0 | | | | | |
| Yellow Perch | 4 | 3 | 9 | 3 | 2 | 1 |
| Carp | 5 | 8 | 7 | 6 | 8 | 7 |
| Trout | 2 | 1 | 0 | 3 | 1 | 4 |
| Sheepshead (silver perch, drum) | 2 | 3 | 2 | 6 | 1 | 7 |
| Other | 3 | 1 | 1 | 1 | 0 | 1 |
| Total Catch in 1981 | 68,907,587 | | 13,123,538 | 13,606,328 | 19,834,718 | 22,343,003 |
| Total Catch in 1975 | 43,140,688 | | 10,595,141 | 8,379,916 | 9,539,706 | 14,626,318 |

Catfish (primarily Bullheads) continue to comprise the largest part of the total catch in Iowa. But since 1975, Bluegill and Crappie are increasing their share among all the fish being caught in Iowa, especially in the Southwest Region.

Bass have also increased in all regions.

WHAT KINDS OF FISH ARE CAUGHT IN IOWA?

TYPE OF FISH CAUGHT (percentage of total catch)

| Type of Fish | Regions/Districts | | | | | | | | | |
|---------------------------------|-------------------|------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|
| | Northwest | | Northeast | | Southwest | | | Southeast | | |
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| Bluegill | 15% | 14% | 30% | 23% | 25% | 25% | 24% | 22% | 19% | 24% |
| Crappie | 13 | 24 | 15 | 15 | 21 | 23 | 13 | 27 | 16 | 25 |
| Bullhead | 30 | 28 | 16 | 19 | 21 | 12 | 20 | 11 | 17 | 13 |
| Catfish | 6 | 5 | 3 | 6 | 8 | 10 | 14 | 12 | 17 | 10 |
| Bass | 9 | 7 | 13 | 11 | 12 | 15 | 16 | 16 | 11 | 11 |
| Largemouth Bass | 6 | 4 | 5 | 5 | 8 | 8 | 14 | 9 | 6 | 3 |
| Smallmouth Bass | 1 | 2 | 4 | 2 | 1 | 2 | 1 | 2 | 2 | 5 |
| White Bass | 2 | 1 | 4 | 4 | 3 | 5 | 1 | 5 | 3 | 3 |
| Pike | 7 | 8 | 4 | 7 | 2 | 3 | 0 | 2 | 5 | 3 |
| Northern Pike | 2 | 4 | 1 | 2 | 1 | 1 | 0 | 0 | 1 | 1 |
| Walleye Pike | 5 | 4 | 3 | 5 | 1 | 2 | 0 | 2 | 4 | 2 |
| Yellow Perch | 10 | 5 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 1 |
| Carp | 7 | 6 | 4 | 7 | 6 | 9 | 12 | 6 | 8 | 9 |
| Trout | 0 | 1 | 5 | 3 | 1 | 1 | 0 | 1 | 1 | 1 |
| Sheepshead (silver perch, drum) | 2 | 1 | 6 | 7 | 1 | 1 | 0 | 2 | 4 | 2 |
| Other | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| Total Catch | 9,276,038 | 3,847,500 | 4,045,860 | 9,560,468 | 4,750,095 | 13,146,338 | 1,938,285 | 3,233,753 | 9,828,570 | 9,280,740 |

WHAT KINDS OF FISH ARE CAUGHT IN IOWA?

TYPE OF FISH CAUGHT (percentage of total catch)

| <u>Type of Fish</u> | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
|---------------------------------|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| Bluegill | 18% | 20% | 19% | 20% | 24% | 12% |
| Crappie | 28 | 15 | 25 | 21 | 17 | 9 |
| Bullhead | 23 | 17 | 19 | 24 | 16 | 30 |
| Catfish | 6 | 12 | 8 | 8 | 10 | 21 |
| Bass | 10 | 12 | 12 | 6 | 12 | 3 |
| Largemouth Bass | 6 | 6 | 5 | 3 | 7 | 2 |
| Smallmouth Bass | 1 | 2 | 3 | 1 | 2 | 1 |
| White Bass | 3 | 4 | 4 | 2 | 3 | 0 |
| Pike | 3 | 6 | 4 | 6 | 4 | 2 |
| Northern Pike | 2 | 1 | 1 | 2 | 1 | 2 |
| Walleye Pike | 1 | 5 | 3 | 4 | 3 | 0 |
| Yellow Perch | 2 | 2 | 3 | 5 | 3 | 0 |
| Carp | 7 | 8 | 6 | 5 | 9 | 15 |
| Trout | 1 | 2 | 1 | 2 | 1 | 1 |
| Sheepshead (silver perch, drum) | 2 | 6 | 2 | 3 | 3 | 7 |
| Other | 0 | 0 | 1 | 0 | 1 | 0 |
| Total Catch | 5,038,230 | 11,488,635 | 34,028,003 | 1,671,668 | 34,879,583 | 400,425 |

WHAT KINDS OF FISH ARE CAUGHT IN IOWA?

PERCENT OF AGE AND SEX GROUPS CATCHING

| Type of Fish | Total | Age | | | | Sex | |
|---------------------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|
| | | 16-29 | 30-49 | 50-64 | 65+ | Male | Female |
| Bluegill | 61% | 67% | 64% | 54% | 47% | 62% | 58% |
| Crappie | 55 | 59 | 57 | 51 | 45 | 58 | 47 |
| Bullhead | 62 | 71 | 61 | 53 | 56 | 61 | 63 |
| Catfish | 57 | 63 | 58 | 52 | 47 | 60 | 50 |
| Largemouth Bass | 42 | 47 | 46 | 34 | 26 | 47 | 29 |
| Smallmouth Bass | 23 | 31 | 22 | 18 | 12 | 25 | 17 |
| White Bass | 13 | 14 | 13 | 12 | 7 | 15 | 7 |
| Northern Pike | 22 | 27 | 22 | 19 | 16 | 25 | 14 |
| Walleye Pike | 30 | 33 | 31 | 29 | 22 | 34 | 19 |
| Yellow Perch | 19 | 23 | 16 | 18 | 18 | 20 | 16 |
| Carp | 45 | 56 | 45 | 38 | 32 | 47 | 40 |
| Trout | 9 | 12 | 9 | 7 | 4 | 10 | 7 |
| Sheepshead (silver perch, drum) | 18 | 21 | 18 | 15 | 14 | 19 | 15 |
| Other | 5 | 6 | 5 | 6 | 4 | 6 | 3 |
| Total Anglers | 427,496 | 110,876 | 182,269 | 111,061 | 23,290 | 315,492 | 112,004 |

WHAT KINDS OF FISH ARE CAUGHT IN IOWA?

NUMBER OF FISH CAUGHT BY AGE GROUPS

| <u>Type of Fish</u> | <u>16-29</u> | <u>30-49</u> | <u>50-64</u> | <u>65+</u> |
|---------------------------------|--------------|--------------|--------------|------------|
| Bluegill | 24,549 | 51,831 | 25,479 | 4,013 |
| Crappie | 25,856 | 49,616 | 21,741 | 3,112 |
| Bullhead | 21,108 | 39,718 | 21,881 | 4,453 |
| Catfish | 10,332 | 18,753 | 14,837 | 1,384 |
| Largemouth Bass | 7,841 | 15,935 | 5,286 | 390 |
| Smallmouth Bass | 2,510 | 4,287 | 3,848 | 191 |
| White Bass | 2,873 | 6,076 | 7,287 | 321 |
| Northern Pike | 2,004 | 2,528 | 1,243 | 242 |
| Walleye Pike | 3,897 | 6,217 | 3,999 | 538 |
| Yellow Perch | 3,926 | 4,750 | 4,478 | 904 |
| Carp | 10,605 | 16,668 | 9,104 | 1,001 |
| Trout | 1,942 | 2,430 | 1,907 | 258 |
| Sheepshead (silver perch, drum) | 3,074 | 4,968 | 4,247 | 952 |
| Other | 798 | 959 | 806 | 54 |

WHAT KINDS OF FISH DO IOWA ANGLERS PREFER?

PREFERENCES FOR TYPE OF FISH

| <u>Type of Fish</u> | <u>Statewide</u> | | <u>Regions</u> | | | |
|---------------------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | <u>1975</u> | <u>1981</u> | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| Bluegill | 4% | 5% | 3% | 10% | 5% | 5% |
| Crappie | 6 | 11 | 6 | 11 | 13 | 12 |
| Bullhead | 10 | 10 | 16 | 6 | 11 | 8 |
| Catfish | 21 | 23 | 13 | 13 | 22 | 36 |
| Bass | 18 | 21 | 13 | 21 | 28 | 21 |
| Largemouth Bass | 9 | 17 | 10 | 14 | 25 | 18 |
| Smallmouth Bass | 2 | 3 | 2 | 5 | 2 | 2 |
| White Bass | 0 | 1 | 1 | 2 | 1 | 1 |
| Unspecified | 7 | | | | | |
| Pike | 28 | 20 | 38 | 25 | 13 | 9 |
| Northern Pike | 6 | 5 | 10 | 7 | 3 | 2 |
| Walleye Pike | 20 | 15 | 28 | 18 | 10 | 7 |
| Unspecified | 2 | | | | | |
| Yellow Perch | 1 | 2 | 4 | 1 | 1 | 0 |
| Carp | 1 | 2 | 2 | 1 | 2 | 2 |
| Trout | 7 | 4 | 2 | 8 | 3 | 5 |
| Sheepshead (silver perch, drum) | 0 | 0 | 0 | 1 | 0 | 0 |
| Other | 4 | 0 | 1 | 1 | 0 | 0 |

Catfish, bass, and pike are the preferred fish among licensed Iowa anglers. While pike is still a favorite, it is less so than in 1975.

While these three are consistently the "favorites" of Iowa anglers, they do differ by region in order of preference. For example, in the Southeast Region the catfish is preferred by 36 percent of the anglers, but in the Northeast and Northwest Regions, only 13 percent of the anglers have a first preference for catfish.

WHAT KINDS OF FISH DO IOWA ANGLERS PREFER?

PREFERENCES FOR TYPE OF FISH

| Type of Fish | Regions/Districts | | | | | | | | | |
|---------------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | Northwest | | Northeast | | Southwest | | | Southeast | | |
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| Bluegill | 2% | 3% | 16% | 6% | 5% | 6% | 2% | 3% | 4% | 7% |
| Crappie | 5 | 9 | 9 | 11 | 10 | 15 | 9 | 16 | 11 | 10 |
| Bullhead | 17 | 15 | 3 | 8 | 14 | 9 | 11 | 7 | 7 | 9 |
| Catfish | 14 | 11 | 9 | 16 | 27 | 19 | 29 | 37 | 42 | 30 |
| Bass | 12 | 16 | 24 | 20 | 21 | 29 | 35 | 26 | 19 | 22 |
| Largemouth Bass | 10 | 10 | 16 | 14 | 20 | 25 | 32 | 23 | 16 | 18 |
| Smallmouth Bass | 1 | 5 | 6 | 4 | 0 | 3 | 3 | 3 | 2 | 3 |
| White Bass | 1 | 1 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 1 |
| Pike | 37 | 39 | 20 | 27 | 9 | 16 | 8 | 8 | 9 | 11 |
| Northern Pike | 10 | 11 | 4 | 8 | 2 | 4 | 1 | 1 | 2 | 3 |
| Walleye Pike | 27 | 28 | 16 | 19 | 7 | 12 | 7 | 7 | 7 | 8 |
| Yellow Perch | 5 | 1 | 2 | 1 | 2 | 1 | 1 | 0 | 1 | 0 |
| Carp | 2 | 1 | 2 | 1 | 4 | 1 | 1 | 1 | 1 | 3 |
| Trout | 2 | 3 | 10 | 7 | 4 | 2 | 1 | 2 | 5 | 6 |
| Sheepshead (silver perch, drum) | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

WHAT KINDS OF FISH DO IOWA ANGLERS PREFER?

PREFERENCES FOR TYPE OF FISH

| <u>Type of Fish</u> | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
|---------------------------------|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| Bluegill | 3% | 7% | 6% | 7% | 4% | 5% |
| Crappie | 8 | 11 | 12 | 16 | 9 | 5 |
| Bullhead | 15 | 8 | 13 | 11 | 6 | 11 |
| Catfish | 24 | 31 | 22 | 27 | 24 | 48 |
| Bass | 18 | 18 | 18 | 8 | 25 | 5 |
| Largemouth Bass | 17 | 15 | 15 | 7 | 21 | 5 |
| Smallmouth Bass | 0 | 1 | 2 | 1 | 3 | 0 |
| White Bass | 1 | 2 | 1 | 0 | 1 | 0 |
| Pike | 18 | 12 | 19 | 19 | 23 | 11 |
| Northern Pike | 6 | 2 | 5 | 4 | 6 | 0 |
| Walleye Pike | 12 | 10 | 14 | 15 | 17 | 11 |
| Yellow Perch | 3 | 1 | 1 | 2 | 1 | 5 |
| Carp | 3 | 1 | 2 | 2 | 2 | 5 |
| Trout | 3 | 8 | 4 | 2 | 4 | 0 |
| Sheepshead (silver perch, drum) | 1 | 1 | 1 | 0 | 0 | 0 |
| Other | 1 | 0 | 0 | 0 | 1 | 0 |

WHAT KINDS OF FISH DO IOWA ANGLERS PREFER?

PREFERENCES FOR TYPE OF FISH

| <u>Type of Fish (Second Preference)</u> | <u>Statewide</u> | <u>Regions</u> | | | |
|---|------------------|------------------|------------------|------------------|------------------|
| | | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| Bluegill | 9% | 6% | 12% | 9% | 9% |
| Crappie | 13 | 10 | 13 | 15 | 15 |
| Bullhead | 10 | 11 | 6 | 11 | 10 |
| Catfish | 16 | 10 | 14 | 19 | 20 |
| Bass | 18 | 15 | 17 | 19 | 19 |
| Largemouth Bass | 13 | 10 | 10 | 16 | 14 |
| Smallmouth Bass | 4 | 4 | 6 | 2 | 3 |
| White Bass | 1 | 1 | 1 | 1 | 2 |
| Pike | 20 | 29 | 23 | 16 | 13 |
| Northern Pike | 7 | 12 | 10 | 5 | 3 |
| Walleye Pike | 13 | 17 | 13 | 11 | 10 |
| Yellow Perch | 3 | 9 | 2 | 1 | 1 |
| Carp | 3 | 3 | 2 | 3 | 4 |
| Trout | 3 | 2 | 5 | 3 | 5 |
| Sheepshead (silver perch, drum) | 0 | 0 | 1 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 | 0 |
| No second preference | 4 | 5 | 4 | 4 | 4 |

WHAT KINDS OF FISH DO IOWA ANGLERS PREFER?

PREFERENCES FOR TYPE OF FISH

Regions/Districts

| Type of Fish (Second Preference) | Northwest | | Northeast | | Southwest | | | Southeast | | |
|-------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| Bluegill | 6% | 7% | 11% | 12% | 11% | 9% | 6% | 9% | 10% | 9% |
| Crappie | 10 | 9 | 15 | 12 | 13 | 16 | 11 | 15 | 13 | 16 |
| Bullhead | 12 | 9 | 6 | 6 | 12 | 10 | 14 | 8 | 9 | 11 |
| Catfish | 11 | 8 | 11 | 16 | 14 | 19 | 32 | 24 | 18 | 19 |
| Bass | 14 | 16 | 20 | 16 | 20 | 19 | 18 | 21 | 19 | 19 |
| Largemouth Bass | 10 | 9 | 10 | 10 | 16 | 16 | 16 | 17 | 15 | 12 |
| Smallmouth Bass | 3 | 6 | 8 | 5 | 3 | 2 | 2 | 1 | 2 | 5 |
| White Bass | 1 | 1 | 2 | 1 | 1 | 1 | 0 | 3 | 2 | 2 |
| Pike | 27 | 35 | 22 | 24 | 16 | 17 | 8 | 13 | 13 | 13 |
| Northern Pike | 9 | 19 | 13 | 9 | 5 | 5 | 3 | 0 | 2 | 5 |
| Walleye Pike | 18 | 16 | 9 | 15 | 11 | 12 | 5 | 13 | 11 | 8 |
| Yellow Perch | 11 | 4 | 1 | 2 | 1 | 1 | 0 | 1 | 2 | 1 |
| Carp | 2 | 4 | 1 | 1 | 5 | 2 | 6 | 3 | 6 | 3 |
| Trout | 2 | 1 | 5 | 5 | 2 | 3 | 1 | 3 | 5 | 5 |
| Sheepshead (silver perch, drum) | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Other | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 |
| No second preference | 5 | 6 | 4 | 4 | 6 | 3 | 3 | 2 | 5 | 3 |

WHAT KINDS OF FISH DO IOWA ANGLERS PREFER?

PREFERENCES FOR TYPE OF FISH

| <u>Type of Fish (Second Preference)</u> | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
|---|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| Bluegill | 10% | 11% | 9% | 8% | 8% | 10% |
| Crappie | 12 | 11 | 14 | 11 | 13 | 16 |
| Bullhead | 11 | 9 | 11 | 12 | 8 | 16 |
| Catfish | 16 | 20 | 16 | 12 | 17 | 10 |
| Bass | 21 | 17 | 16 | 14 | 20 | 16 |
| Largemouth Bass | 18 | 12 | 12 | 10 | 14 | 16 |
| Smallmouth Bass | 3 | 3 | 3 | 3 | 4 | 0 |
| White Bass | 0 | 2 | 1 | 1 | 2 | 0 |
| Pike | 16 | 14 | 19 | 18 | 21 | 22 |
| Northern Pike | 5 | 3 | 7 | 6 | 7 | 11 |
| Walleye Pike | 11 | 11 | 12 | 12 | 14 | 11 |
| Yellow Perch | 1 | 3 | 3 | 5 | 3 | 0 |
| Carp | 6 | 4 | 3 | 3 | 3 | 5 |
| Trout | 2 | 6 | 4 | 2 | 3 | 0 |
| Sheepshead (silver perch, drum) | 0 | 1 | 0 | 2 | 0 | 0 |
| Other | 0 | 0 | 0 | 2 | 1 | 0 |
| No second preference | 5 | 4 | 5 | 11 | 3 | 5 |

WHAT TYPES OF IOWA WATERS ARE FISHED?

DISTRIBUTION OF MAN-DAYS OF FISHING BY TYPE OF WATER

| <u>1981</u> | <u>Statewide</u> | | <u>Regions</u> | | | |
|-----------------------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | <u>1975</u> | <u>1981</u> | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| % of Total Man-Days Fished on... | | | | | | |
| Mississippi River | 16% | 11% | 1% | 30% | 2% | 17% |
| Missouri River | 2 | 2 | 4 | 0 | 2 | 0 |
| Inland Streams | 30 | 24 | 20 | 31 | 21 | 28 |
| Farm Ponds | 11 | 15 | 15 | 5 | 19 | 16 |
| Federal Reservoirs | 4 | 5 | 2 | 1 | 7 | 6 |
| Public Man-Made Lakes | 16 | 24 | 19 | 13 | 35 | 24 |
| Natural Lakes | 16 | 14 | 35 | 5 | 12 | 5 |
| Trout Stream | 3 | 4 | 3 | 14 | 1 | 3 |
| Other | 2 | 1 | 1 | 1 | 1 | 1 |
| Total Man-Days of Fishing in 1981 | 12,742,921 | | 2,594,498 | 2,066,963 | 3,773,115 | 4,308,345 |
| Total Man-Days of Fishing in 1975 | 10,302,857 | | 2,417,786 | 1,940,145 | 2,542,393 | 3,402,529 |

The types of waters fished by Iowa anglers varies by region, as might be expected. Statewide, Inland Streams and Public Man-Made Lakes attract the most fishing. In 1975, Inland Streams held the largest share of types of waters fished.

Lake waters (reservoirs, natural and man-made lakes) continue to attract an increasing number of Iowa anglers. While the Mississippi River and Inland Streams account for less of all fishing done in the state, Public Man-Made Lakes and Farm Ponds are becoming more attractive waters on which to fish in all regions.

While the total number of man-days spent fishing in the Northwest and Northeast Regions remained relatively stable compared with 1975, days fishing on waters in the Southwest and Southeast Regions increased significantly.

WHAT TYPES OF IOWA WATERS ARE FISHED?

DISTRIBUTION OF MAN-DAYS OF FISHING BY TYPE OF WATER

| 1981 | Regions/Districts | | | | | | | | | |
|----------------------------------|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | Northwest | | Northeast | | Southwest | | | Southeast | | |
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| % of Total Man-Days Fished on... | | | | | | | | | | |
| Mississippi River | 0% | 2% | 35% | 29% | 1% | 2% | 0% | 0% | 38% | 4% |
| Missouri River | 6 | 0 | 0 | 0 | 5 | 0 | 1 | 0 | 1 | 0 |
| Inland Streams | 16 | 30 | 32 | 30 | 13 | 24 | 24 | 25 | 21 | 37 |
| Farm Ponds | 16 | 12 | 5 | 5 | 25 | 15 | 35 | 26 | 11 | 15 |
| Federal Reservoirs | 2 | 2 | 0 | 1 | 1 | 11 | 3 | 14 | 2 | 7 |
| Public Man-Made Lakes | 15 | 31 | 8 | 15 | 31 | 37 | 28 | 29 | 18 | 27 |
| Natural Lakes | 44 | 16 | 4 | 5 | 24 | 9 | 6 | 2 | 5 | 7 |
| Trout Streams | 1 | 16 | 16 | 14 | 0 | 1 | 3 | 1 | 3 | 3 |
| Other | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 3 | 1 | 0 |
| Total Man-Days of Fishing | 1,774,553 | 819,945 | 563,160 | 1,503,803 | 897,038 | 2,499,593 | 376,484 | 912,998 | 1,792,935 | 1,602,412 |

WHAT TYPES OF IOWA WATERS ARE FISHED?

DISTRIBUTION OF MAN-DAYS OF FISHING BY TYPE OF WATER

| 1981 | Western | Eastern | Fishing | | Combination | |
|----------------------------------|----------------|------------------|------------------|----------------|------------------|---------------|
| | River | River | License Holders | | License Holders | |
| | Counties | Counties | Total | 65 & older | Total | 65 & older |
| % of Total Man-Days Fished on... | | | | | | |
| Mississippi River | 0% | 51% | 12% | 12% | 10% | 26% |
| Missouri River | 17 | 1 | 1 | 1 | 2 | 1 |
| Inland Streams | 13 | 16 | 24 | 21 | 24 | 42 |
| Farm Ponds | 20 | 7 | 13 | 7 | 17 | 4 |
| Federal Reservoirs | 1 | 1 | 5 | 1 | 7 | 4 |
| Public Man-Made Lakes | 22 | 12 | 26 | 15 | 22 | 11 |
| Natural Lakes | 27 | 4 | 13 | 35 | 13 | 9 |
| Trout Streams | 0 | 7 | 5 | 2 | 4 | 3 |
| Other | 0 | 1 | 1 | 6 | 1 | 0 |
| Total Man-Days of Fishing | 939,360 | 2,071,523 | 6,795,255 | 318,773 | 5,947,666 | 73,673 |

WHAT TYPES OF IOWA WATERS ARE FISHED?

PERCENT OF AGE AND SEX GROUPS FISHING ON

| <u>Type of Water</u> | <u>Total</u> | <u>Age</u> | | | | <u>Sex</u> | |
|-----------------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|
| | | <u>16-29</u> | <u>30-49</u> | <u>50-64</u> | <u>65+</u> | <u>Male</u> | <u>Female</u> |
| Mississippi River | 23% | 22% | 26% | 21% | 20% | 24% | 21% |
| Missouri River | 5 | 5 | 6 | 4 | 7 | 6 | 4 |
| Inland Streams | 53 | 59 | 54 | 46 | 41 | 55 | 44 |
| Farm Ponds | 37 | 46 | 39 | 29 | 25 | 41 | 28 |
| Federal Reservoirs | 18 | 19 | 19 | 15 | 8 | 19 | 14 |
| Public Man-Made Lakes | 60 | 70 | 63 | 50 | 38 | 61 | 56 |
| Natural Lakes | 35 | 43 | 33 | 29 | 31 | 36 | 33 |
| Trout Stream | 10 | 14 | 9 | 8 | 5 | 11 | 7 |
| Other | 2 | 4 | 2 | 2 | 4 | 3 | 2 |
| Total Anglers | 427,496 | 110,876 | 182,269 | 111,061 | 23,290 | 315,492 | 112,004 |

WHAT KINDS OF WATERS WOULD IOWANS LIKE TO FISH?

PREFERENCES FOR TYPES OF FISHING WATERS

| <u>1981</u> | | | <u>Regions</u> | | | |
|---|-------------|-------------|------------------|------------------|------------------|------------------|
| | | | <u>Statewide</u> | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> |
| % of Respondents Whose First Choice was... | <u>1975</u> | <u>1981</u> | | | | |
| Mississippi River | 11% | 13% | 2% | 36% | 2% | 18% |
| Missouri River | 1 | 1 | 3 | 1 | 2 | 1 |
| Inland Streams | 16 | 19 | 16 | 22 | 16 | 22 |
| Farm Ponds | 7 | 12 | 8 | 2 | 21 | 13 |
| Federal Reservoirs | 4 | 3 | 1 | 1 | 5 | 4 |
| Public Man-Made Lakes | 12 | 26 | 21 | 15 | 36 | 26 |
| Natural Lakes | 38 | 18 | 43 | 11 | 14 | 8 |
| Trout Streams | 5 | 4 | 2 | 10 | 1 | 4 |
| Other | 1 | 1 | 1 | 1 | 0 | 0 |
| No Preference | 5 | 3 | 3 | 1 | 3 | 4 |

Public man-made lakes have replaced natural lakes as the preferred kind of water on which Iowa anglers like to fish. This change has occurred in all regions, except the Northwest Region where natural lakes are still clearly the preferred fishing waters.

WHAT KINDS OF WATERS WOULD IOWANS LIKE TO FISH?

PREFERENCES FOR TYPES OF FISHING WATERS

Regions/Districts

| 1981 | <u>Northwest</u> | | <u>Northeast</u> | | <u>Southwest</u> | | | <u>Southeast</u> | | |
|---|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| | <u>District 1</u> | <u>District 2</u> | <u>District 3</u> | <u>District 4</u> | <u>District 5</u> | <u>District 6</u> | <u>District 7</u> | <u>District 8</u> | <u>District 9</u> | <u>District 10</u> |
| % of Respondents Whose First Choice was... | | | | | | | | | | |
| Mississippi River | 1% | 6 | 38% | 35% | 1% | 2% | 1% | 2% | 35% | 8% |
| Missouri River | 4 | 1 | 2 | 0 | 4 | 1 | 0 | 0 | 1 | 1 |
| Inland Streams | 14 | 20 | 20 | 24 | 13 | 17 | 14 | 18 | 19 | 28 |
| Farm Ponds | 10 | 3 | 1 | 3 | 20 | 17 | 45 | 31 | 9 | 8 |
| Federal Reservoirs | 1 | 0 | 1 | 1 | 2 | 7 | 1 | 10 | 1 | 4 |
| Public Man-Made Lakes | 19 | 26 | 13 | 16 | 36 | 38 | 27 | 30 | 19 | 32 |
| Natural Lakes | 47 | 34 | 10 | 11 | 20 | 13 | 10 | 4 | 7 | 10 |
| Trout Streams | 1 | 3 | 12 | 8 | 0 | 2 | 1 | 2 | 5 | 5 |
| Other | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| No Preference | 3 | 4 | 2 | 1 | 4 | 3 | 1 | 3 | 4 | 3 |

WHAT KINDS OF WATERS WOULD IOWANS LIKE TO FISH?

PREFERENCES FOR TYPES OF FISHING WATERS

| <u>1981</u> | <u>Western</u> | <u>Eastern</u> | <u>Fishing</u> | | <u>Combination</u> | |
|--|-----------------|-----------------|------------------------|-----------------------|------------------------|-----------------------|
| | <u>River</u> | <u>River</u> | <u>License Holders</u> | | <u>License Holders</u> | |
| <u>Counties</u> | <u>Counties</u> | <u>Counties</u> | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| % of Respondents Whose First Choice was... | | | | | | |
| Mississippi River | 0% | 49% | 13% | 11% | 13% | 11% |
| Missouri River | 10 | 0 | 1 | 1 | 2 | 5 |
| Inland Streams | 10 | 12 | 16 | 17 | 24 | 47 |
| Farm Ponds | 21 | 6 | 11 | 10 | 14 | 0 |
| Federal Reservoirs | 3 | 1 | 4 | 3 | 2 | 5 |
| Public Man-Made Lakes | 29 | 15 | 28 | 25 | 22 | 16 |
| Natural Lakes | 23 | 7 | 19 | 23 | 17 | 11 |
| Trout Streams | 0 | 7 | 4 | 2 | 4 | 0 |
| Other | 0 | 1 | 1 | 2 | 0 | 0 |
| No Preference | 4 | 2 | 3 | 6 | 2 | 5 |

WHAT KINDS OF WATERS WOULD IOWANS LIKE TO FISH?

PREFERENCES FOR TYPES OF FISHING WATERS

| <u>1981</u> | <u>Regions</u> | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|-----|
| | <u>Statewide</u> | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> | |
| % of Respondents Whose Second Choice was... | <u>1975</u> | <u>1981</u> | | | | |
| Mississippi River | 9% | 8% | 4% | 19% | 3% | 11% |
| Missouri River | 3 | 2 | 4 | 1 | 3 | 1 |
| Inland Streams | 20 | 20 | 23 | 20 | 21 | 17 |
| Farm Ponds | 9 | 14 | 12 | 9 | 16 | 15 |
| Federal Reservoirs | 4 | 6 | 3 | 4 | 6 | 8 |
| Public Man-Made Lakes | 19 | 23 | 19 | 16 | 26 | 25 |
| Natural Lakes | 13 | 15 | 22 | 15 | 16 | 11 |
| Trout Streams | 5 | 4 | 3 | 8 | 3 | 3 |
| Other | 1 | 1 | 2 | 1 | 1 | 1 |
| No Preference | 17 | 7 | 8 | 7 | 5 | 8 |

Second preferences for kind of waters Iowa anglers would like to fish have not noticeably changed.

WHAT KINDS OF WATERS WOULD IOWANS LIKE TO FISH?

PREFERENCE FOR TYPES OF FISHING WATERS

| 1981 | Regions/Districts | | | | | | | | | |
|--|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | Northwest | | Northeast | | Southwest | | | Southeast | | |
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| % of Respondents Whose Second Choice was... | | | | | | | | | | |
| Mississippi River | 4% | 6 | 19% | 18% | 2% | 4% | 0% | 5% | 13% | 11% |
| Missouri River | 5 | 0 | 1 | 2 | 6 | 1 | 3 | 1 | 2 | 0 |
| Inland Streams | 22 | 26 | 23 | 18 | 14 | 24 | 22 | 15 | 13 | 21 |
| Farm Ponds | 14 | 8 | 9 | 9 | 22 | 14 | 17 | 25 | 15 | 11 |
| Federal Reservoirs | 3 | 3 | 4 | 5 | 2 | 8 | 5 | 8 | 6 | 9 |
| Public Man-Made Lakes | 19 | 21 | 15 | 16 | 30 | 24 | 33 | 27 | 25 | 25 |
| Natural Lakes | 22 | 22 | 10 | 18 | 17 | 16 | 11 | 7 | 12 | 12 |
| Trout Streams | 3 | 2 | 11 | 7 | 2 | 3 | 2 | 3 | 4 | 3 |
| Other | 1 | 2 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 |
| No Preference | 7 | 10 | 8 | 6 | 5 | 5 | 7 | 8 | 9 | 7 |

WHAT KINDS OF WATERS WOULD IOWANS LIKE TO FISH?

PREFERENCES FOR TYPES OF FISHING WATERS

| <u>1981</u> | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
|-------------|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |

% of Respondents Whose Second Choice was...

| | | | | | | |
|-----------------------|----|-----|----|----|----|----|
| Mississippi River | 1% | 18% | 9% | 7% | 7% | 0% |
| Missouri River | 10 | 1 | 2 | 0 | 2 | 0 |
| Inland Streams | 18 | 15 | 20 | 20 | 20 | 5 |
| Farm Ponds | 20 | 10 | 12 | 13 | 17 | 16 |
| Federal Reservoirs | 3 | 5 | 5 | 5 | 7 | 5 |
| Public Man-Made Lakes | 19 | 21 | 22 | 15 | 24 | 26 |
| Natural Lakes | 20 | 13 | 17 | 20 | 12 | 16 |
| Trout Streams | 2 | 8 | 4 | 2 | 4 | 11 |
| Other | 1 | 1 | 1 | 0 | 1 | 0 |
| No Preference | 6 | 8 | 8 | 8 | 6 | 21 |

HOW FAR DO IOWA ANGLERS TRAVEL TO FISH?

DISTANCE TRAVELED TO GO FISHING

| <u>1981</u> | <u>Statewide</u> | <u>Regions</u> | | | | |
|--|-------------------|------------------|------------------|------------------|------------------|-----|
| | | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> | |
| % of Total Man-Days Fishing... | <u>1975</u> | <u>1981</u> | | | | |
| within 25 miles of home | 63% | 65% | 61% | 54% | 67% | 72% |
| between 25 and 50 miles of home | 15 | 20 | 22 | 21 | 20 | 17 |
| between 50 and 100 miles of home | 14 | 10 | 13 | 19 | 7 | 7 |
| more than 100 miles from home | 8 | 4 | 4 | 5 | 5 | 3 |
| Total Man-Days of Fishing in 1981 | 12,742,921 | 2,594,498 | 2,066,963 | 3,773,115 | 4,308,345 | |

Anglers living in the Southwest and Southeast Regions, especially the Eastern River Counties, are doing more fishing within 25 miles from home than in the past. In the Northwest and Northeast Regions, an increase is apparent in those anglers fishing between 25 and 50 miles from home; this change is most obvious for the Western River Counties.

Statewide, anglers are fishing closer to home.

HOW FAR DO IOWA ANGLERS TRAVEL TO FISH?

DISTANCE TRAVELED TO GO FISHING

Regions/Districts

| 1981 | Northwest | | Northeast | | Southwest | | | Southeast | | |
|----------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| % of Total Man-Days Fishing... | | | | | | | | | | |
| within 25 miles of home | 58% | 67% | 56% | 54% | 62% | 67% | 82% | 74% | 74% | 68% |
| between 25 and 50 miles of home | 24 | 19 | 23 | 19 | 24 | 20 | 10 | 19 | 15 | 19 |
| between 50 and 100 miles of home | 15 | 9 | 19 | 19 | 9 | 7 | 3 | 4 | 5 | 9 |
| more than 100 miles from home | 3 | 5 | 1 | 7 | 5 | 5 | 5 | 2 | 5 | 3 |
| Total Man-Days of Fishing | 1,774,553 | 819,945 | 563,160 | 1,503,803 | 897,038 | 2,499,593 | 376,484 | 912,998 | 1,792,935 | 1,602,412 |

HOW FAR DO IOWA ANGLERS TRAVEL TO FISH?

DISTANCE TRAVELED TO GO FISHING

| <u>1981</u> | Western | Eastern | Fishing | | Combination | |
|----------------------------------|-----------------|------------------|------------------|-----------------------|------------------|-----------------------|
| | River | River | License Holders | | License Holders | |
| | <u>Counties</u> | <u>Counties</u> | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| % of Total Man-Days Fishing... | | | | | | |
| within 25 miles of home | 56% | 75% | 64% | 66% | 66% | 84% |
| between 25 and 50 miles of home | 26 | 14 | 21 | 18 | 19 | 11 |
| between 50 and 100 miles of home | 14 | 5 | 10 | 6 | 11 | 5 |
| more than 100 miles from home | 4 | 5 | 4 | 10 | 4 | 0 |
| Total Man-Days of Fishing | 939,360 | 2,071,523 | 6,795,255 | 318,773 | 5,947,666 | 73,673 |

TO WHAT EXTENT DO ANGLERS USE BOATS?

MAN-DAYS OF FISHING FROM A BOAT

| <u>1981</u> | <u>Statewide</u> | <u>Regions</u> | | | |
|---|------------------|------------------|------------------|------------------|------------------|
| | | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| Days Fishing From a Boat | 4,430,896 | 875,520 | 825,645 | 1,137,863 | 1,591,868 |
| Boat fishing days as a percentage of all fishing days | 35% | 34% | 40% | 30% | 37% |
| % of Active Anglers* who fished from a boat... | | | | | |
| none of the time | 41% | 48% | 33% | 40% | 42% |
| from 1% to 50% of the time | 23 | 22 | 25 | 26 | 19 |
| from 51% to 99% of the time | 16 | 14 | 16 | 17 | 17 |
| all of the time | 20 | 16 | 25 | 17 | 22 |

*the term active angler is used to describe those who went fishing at least once during the year

Use of a boat while fishing in Iowa is increasing, especially in the Southwest and Northeast Regions. Statewide, almost 60 percent of licensed Iowa anglers fished from a boat; only 48 percent fished from a boat at least once in 1975.

The number of days spent fishing from a boat increased to more than one-third (35 percent) of all fishing days in 1981.

TO WHAT EXTENT DO ANGLERS USE BOATS?

MAN-DAYS OF FISHING FROM A BOAT

| 1981 | Regions/Districts | | | | | | | | | |
|---|-------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | Northwest | | Northeast | | Southwest | | | Southeast | | |
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| Days Fishing From a Boat | 681,578 | 193,942 | 202,635 | 623,010 | 262,200 | 805,268 | 70,395 | 228,713 | 770,070 | 593,085 |
| Boat fishing days as a percentage of all fishing days | 38% | 24% | 36% | 42% | 29% | 33% | 19% | 25% | 43% | 37% |
| % of Active Anglers* who fished from a boat... | | | | | | | | | | |
| none of the time | 47% | 50% | 34% | 32% | 45% | 37% | 48% | 54% | 35% | 42% |
| from 1% to 50% of the time | 21 | 24 | 27 | 25 | 26 | 26 | 29 | 19 | 16 | 22 |
| from 51% to 99% of the time | 13 | 16 | 15 | 17 | 16 | 18 | 15 | 15 | 19 | 16 |
| all of the time | 19 | 10 | 24 | 25 | 13 | 19 | 8 | 12 | 29 | 20 |

*the term active angler is used to describe those who went fishing at least once during the year

TO WHAT EXTENT DO ANGLERS USE BOATS?

MAN-DAYS OF FISHING FROM A BOAT

| 1981 | Western | Eastern | Fishing | | Combination | |
|--|-----------------|-----------------|------------------------|-----------------------|------------------------|-----------------------|
| | <u>River</u> | <u>River</u> | <u>License Holders</u> | | <u>License Holders</u> | |
| | <u>Counties</u> | <u>Counties</u> | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| Total Fishing From a Boat | 339,720 | 906,585 | 2,132,655 | 70,680 | 2,298,241 | 27,930 |
| Boat fishing days as a percentage of all fishing days | 36% | 44% | 32% | 22% | 39% | 40% |
| % of Active Anglers* who fished from a boat... | | | | | | |
| none of the time | 45% | 32% | 48% | 65% | 30% | 53% |
| from 1% to 50% of the time | 25 | 18 | 20 | 11 | 29 | 26 |
| from 51% to 99% of the time | 14 | 18 | 13 | 8 | 21 | 16 |
| all of the time | 16 | 31 | 19 | 16 | 20 | 5 |

*the term active angler is used to describe those who went fishing at least once during the year

WHAT ABOUT OUT-OF-STATE FISHING BY IOWA ANGLERS?

OUT-OF-STATE FISHING

| <u>1981</u> | <u>Statewide</u> | <u>Regions</u> | | | |
|--|------------------|------------------|------------------|------------------|------------------|
| | | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| % of Licensed Anglers who fished out-of-state at least once in 1981 | 38% | 42% | 44% | 37% | 34% |
| % of Licensed Anglers who fished out-of-state at least once in 1975 | 34 | 40 | 36 | 33 | 29 |
| Number of Licensed Anglers who fished out-of-state at least once in 1981 | 164,147 | 41,514 | 33,225 | 41,195 | 48,213 |
| Number of Licensed Anglers who fished out-of-state at least once in 1975 | 167,767 | 51,464 | 31,023 | 42,875 | 42,405 |
| Of those who fished out-of-state at least once, % who fished... | | | | | |
| 1-5 days | 36% | 35% | 36% | 37% | 37% |
| 6-15 days | 47 | 49 | 47 | 47 | 47 |
| 16-30 days | 13 | 12 | 13 | 12 | 14 |
| 31-60 days | 3 | 4 | 3 | 3 | 2 |
| 61 or more days | 1 | 0 | 1 | 1 | 0 |

Almost two out of five licensed Iowa anglers went fishing outside of Iowa in 1981, a slight increase from six years ago. The tendency to fish out-of-state is greatest among anglers in the Northwest and Northeast Regions and remains the lowest among anglers in the Southeast Region.

Iowa anglers are also spending slightly more days fishing out-of-state.

WHAT ABOUT OUT-OF-STATE FISHING BY IOWA ANGLERS?

OUT-OF-STATE FISHING

Regions/Districts

| 1981 | Northwest | | Northeast | | Southwest | | | Southeast | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| | District 1 | District 2 | District 3 | District 4 | District 5 | District 6 | District 7 | District 8 | District 9 | District 10 |
| % of Licensed Anglers who fished out-of-state at least once | 42% | 42% | 39% | 47% | 41% | 37% | 28% | 13% | 39% | 37% |
| Number of Licensed Anglers who fished out-of-state at least once | 28,856 | 12,658 | 10,518 | 22,707 | 9,775 | 28,316 | 3,104 | 3,061 | 21,970 | 23,182 |
| Of those who fished out-of- state at least once, % who fished... | | | | | | | | | | |
| 1-5 days | 39% | 26% | 46% | 32% | 45% | 33% | 53% | 54% | 35% | 36% |
| 6-15 days | 44 | 60 | 42 | 49 | 40 | 52 | 31 | 38 | 48 | 48 |
| 16-30 days | 13 | 11 | 9 | 15 | 11 | 12 | 16 | 8 | 14 | 15 |
| 31-60 days | 4 | 3 | 3 | 3 | 3 | 3 | 0 | 0 | 3 | 1 |
| 61 or more days | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

WHAT ABOUT OUT-OF-STATE FISHING BY IOWA ANGLERS?

| 1981 | <u>OUT-OF-STATE FISHING</u> | | | | | |
|---|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| % of Licensed Anglers who fished out-of-state at least once | 45% | 38% | 35% | 26% | 45% | 37% |
| Number of Licensed Anglers who fished out-of-state at least once | 12,037 | 28,174 | 112,155 | 2,604 | 48,173 | 578 |
| Of those who fished out-of-state at least once, % who fished... | | | | | | |
| 1-5 days | 39% | 33% | 40% | 23% | 32% | 29% |
| 6-15 days | 44 | 47 | 47 | 57 | 48 | 43 |
| 16-30 days | 14 | 16 | 11 | 13 | 16 | 19 |
| 31-60 days | 2 | 4 | 2 | 7 | 3 | 14 |
| 61 or more days | 1 | 0 | 0 | 0 | 1 | 0 |

WHERE DO IOWA ANGLERS GO TO FISH OUT-OF-STATE?

ANGLERS WHO FISHED OUT-OF-STATE

| <u>1981 Out-of-State Destinations</u> | <u>Statewide</u> | | <u>Regions</u> | | | |
|---------------------------------------|------------------|-------------|------------------|------------------|------------------|------------------|
| | <u>1975</u> | <u>1981</u> | <u>NW Region</u> | <u>NE Region</u> | <u>SW Region</u> | <u>SE Region</u> |
| % who most often went to... | | | | | | |
| Minnesota | 53% | 43% | 64% | 48% | 33% | 30% |
| Missouri | 8 | 10 | 3 | 3 | 15 | 17 |
| Colorado | 3 | 2 | 1 | 1 | 4 | 2 |
| Wisconsin | 7 | 11 | 2 | 25 | 3 | 14 |
| Arkansas | 2 | 2 | 2 | 1 | 3 | 3 |
| Canada | 9 | 12 | 11 | 13 | 16 | 10 |
| South Dakota | 3 | 5 | 12 | 1 | 5 | 3 |
| Michigan | 1 | 2 | 1 | 2 | 1 | 2 |
| Nebraska | 2 | 2 | 1 | 1 | 6 | 1 |
| Illinois | 3 | 3 | 0 | 2 | 2 | 7 |
| Other Miscellaneous Destinations | 9 | 8 | 3 | 3 | 12 | 11 |

Among those Iowa anglers who fished outside the state during 1981, Minnesota remains the most frequent out-of-state destination. But Minnesota appears less popular than in the past, especially among anglers in the Northeast and Southwest Regions. Other areas are making some gains, especially Canada and other states bordering Iowa.

WHERE DO IOWA ANGLERS GO TO FISH OUT-OF-STATE?

ANGLERS WHO FISHED OUT-OF-STATE

Regions/Districts

1981 Out-of-State
Destinations

| <u>Northwest</u> | | <u>Northeast</u> | | <u>Southwest</u> | | | <u>Southeast</u> | | |
|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| <u>District 1</u> | <u>District 2</u> | <u>District 3</u> | <u>District 4</u> | <u>District 5</u> | <u>District 6</u> | <u>District 7</u> | <u>District 8</u> | <u>District 9</u> | <u>District 10</u> |

% who most often went
to...

| | | | | | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Minnesota | 58% | 78% | 62% | 41% | 26% | 37% | 30% | 13% | 20% | 44% |
| Missouri | 3 | 1 | 3 | 4 | 11 | 16 | 25 | 33 | 22 | 9 |
| Colorado | 1 | 1 | 2 | 1 | 6 | 4 | 5 | 0 | 1 | 2 |
| Wisconsin | 2 | 1 | 19 | 28 | 1 | 5 | 0 | 4 | 13 | 17 |
| Arkansas | 1 | 2 | 0 | 1 | 3 | 2 | 0 | 8 | 2 | 3 |
| Canada | 12 | 9 | 9 | 15 | 16 | 16 | 15 | 17 | 8 | 10 |
| South Dakota | 16 | 5 | 0 | 1 | 10 | 4 | 0 | 4 | 2 | 3 |
| Michigan | 0 | 2 | 1 | 2 | 2 | 1 | 0 | 0 | 3 | 2 |
| Nebraska | 1 | 0 | 0 | 1 | 12 | 3 | 0 | 4 | 0 | 1 |
| Illinois | 1 | 0 | 3 | 2 | 0 | 2 | 0 | 0 | 14 | 2 |
| Other Miscellaneous Destinations | 5 | 1 | 1 | 4 | 13 | 10 | 25 | 17 | 15 | 7 |

WHERE DO IOWA ANGLERS GO TO FISH OUT-OF-STATE?

ANGLERS WHO FISHED OUT-OF-STATE

| <u>1981 Out-of-State Destinations</u> | <u>Western River Counties</u> | <u>Eastern River Counties</u> | <u>Fishing License Holders</u> | | <u>Combination License Holders</u> | |
|---------------------------------------|---------------------------------------|---------------------------------------|------------------------------------|-----------------------|--|-----------------------|
| | | | <u>Total</u> | <u>65 & older</u> | <u>Total</u> | <u>65 & older</u> |
| % who most often went to... | | | | | | |
| Minnesota | 31% | 19% | 43% | 58% | 43% | 43% |
| Missouri | 10 | 18 | 11 | 3 | 10 | 0 |
| Colorado | 5 | 2 | 2 | 0 | 2 | 0 |
| Wisconsin | 0 | 23 | 11 | 10 | 10 | 14 |
| Arkansas | 4 | 2 | 2 | 0 | 1 | 14 |
| Canada | 15 | 7 | 10 | 10 | 16 | 29 |
| South Dakota | 16 | 2 | 5 | 7 | 6 | 0 |
| Michigan | 0 | 2 | 1 | 3 | 2 | 0 |
| Nebraska | 11 | 0 | 2 | 3 | 1 | 0 |
| Illinois | 0 | 12 | 4 | 0 | 2 | 0 |
| Other Miscellaneous Destinations | 8 | 13 | 9 | 6 | 7 | 0 |

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