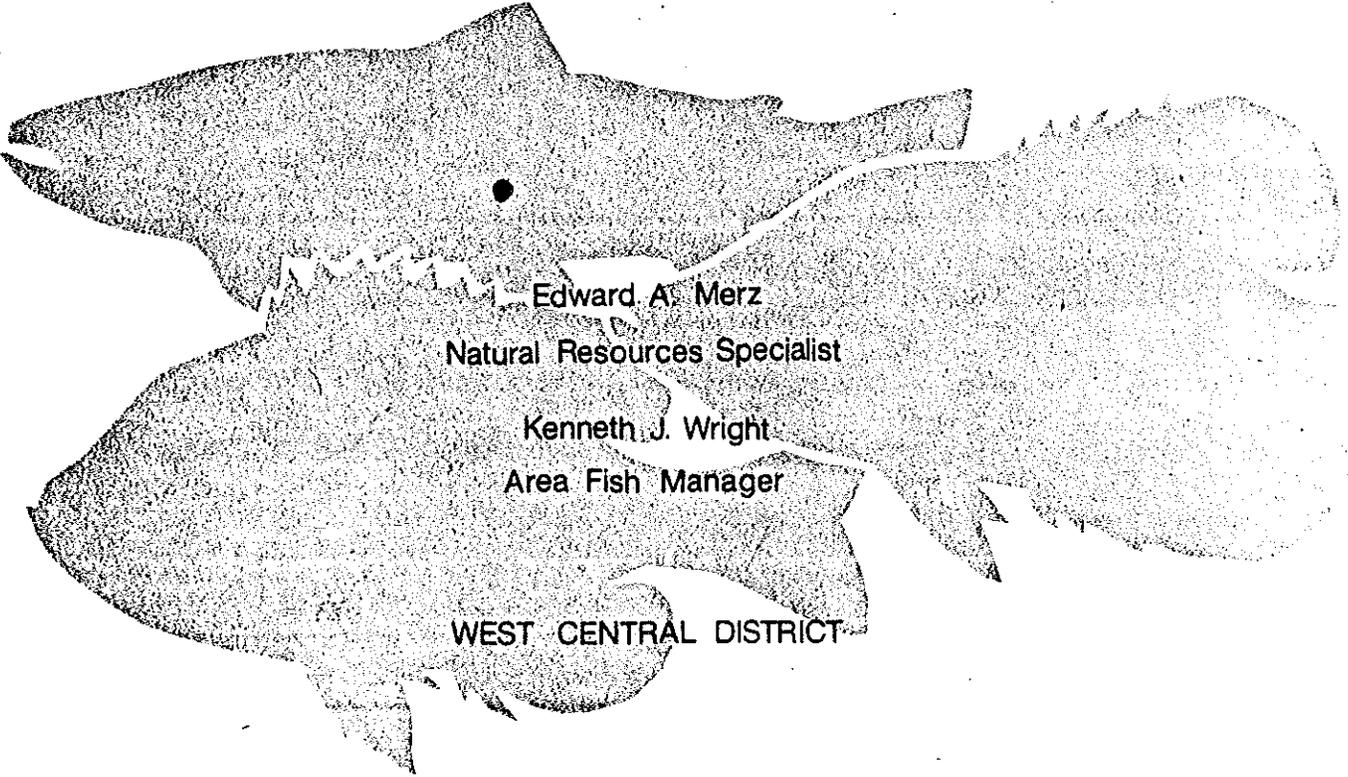
A large, stylized, stippled fish graphic that serves as a background for the top half of the page. It is oriented horizontally, facing left, and has a jagged dorsal fin.

WISCONSIN DEPARTMENT OF NATURAL
DIVISION OF FORESTRY, WILDLIFE AND RECREATION

BUREAU OF FISH AND WILDLIFE MANAGEMENT
Fish Management Section Report Number 74

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Three Year Summary of Mississippi River Special Fall Creel Census in Pools 7, 8, and 9, 1971-1973

A second, smaller, stylized, stippled fish graphic, similar to the one at the top, positioned behind the author information.

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INTRODUCTION

As part of a continuing evaluation of the sport fishery, a creel census was conducted in the tailwaters of Pools 7, 8, and 9 from October 1 to November 30 in 1971, 1972, and 1973. The three-year fall census was conducted under the auspices of the Fish Technical Section of the Upper Mississippi River Conservation Committee.^{1/} This report summarizes the three annual reports, Mathson and Wright (1972), Albright and Wright (1973), and Merz and Wright (1974) to evaluate the fishing pressure and harvest of walleye and sauger.

DESCRIPTION OF AREAS

The rapid passage of water through the gates of the dams influences the navigation channel for a distance of approximately one-half mile downstream depending upon the volume of water passed. This area is classified as tailwater and is known to provide excellent angling for the larger game fish species.^{2/} It was in these tailwater areas that the fall sport fishery creel census was conducted.

Pool 7 is twelve miles long and has an area of 13,600 acres. The pool is impounded by Lock and Dam 7 near Dresbach, Minnesota. The upper boundary of the pool is Lock and Dam 6 located at Trempealeau, Wisconsin. Towns located near this pool are Trempealeau and Onalaska, Wisconsin, and Dresbach and Dakota, Minnesota.

Pool 8 extends from Lock and Dam 7, four miles above La Crosse, Wisconsin downstream to Lock and Dam 8 near Genoa, Wisconsin. This pool is 24 miles long and has an area of 21,900 acres. Cities and towns found along this pool are La Crosse, Stoddard, and Genoa, Wisconsin, and La Crescent, Brownsville, and Reno, Minnesota.

Pool 9 is 31 miles long and has an area of 30,900 acres. This pool is impounded by Lock and Dam 9 near Lynxville, Wisconsin with its upper boundary Lock and Dam 8 near Genoa, Wisconsin. Towns located along this pool are Victory, De Soto, Ferryville, and Lynxville, Wisconsin, and New Albin and Lansing, Iowa.

^{1/} The U.M.R.C.C. is an organization consisting of representatives from Minnesota, Wisconsin, Iowa, Illinois, and Missouri whose objectives are to facilitate cooperation in managing the natural resources of the Mississippi River from Hastings, Minnesota to Caruthersville, Missouri.

^{2/} Large game fish consist of walleye, sauger, northern pike, largemouth bass, and smallmouth bass.

METHODS

The creel census clerk contacted fishermen in two of the tailwater areas during each eight-hour work day. To insure a uniform and random census, the work schedule consisted of two consecutive census days followed by one day off, with rotation between morning hours (7:45 a.m. - 11:45 a.m.), afternoon hours (12:30 p.m. - 4:30 p.m.), and between pools.

The creel census was designed to provide information on the angler and catch, and the relationship of various factors to the catch. The lengths of all walleye and sauger in the catch were recorded. Also examined was the impact on the harvest of large game fish of a controversial bait manufactured by Heddon with the trade name "Sonar."

RESULTS

The results by pool for the three-year period are presented. The trends concerning the angler and catch are discussed below in limited detail. The accompanying tables and figures should be consulted for additional information. A comparison between spring (March and April) and fall (October and November) fisheries for the three-year period are made.

Pool 9

The Angler

A total of 2,675 anglers were contacted on Pool 9. Nearly 60 percent (59.8 percent) of the fishermen contacted resided in Wisconsin with 52.0 percent traveling over 100 miles to fish the tailwaters (Tables 1 - 2a).

Projected data for all three years indicate the majority of hours were spent fishing from a barge (60.8 percent). Total projected hours for all types of fishing was 121,035 (Table 3a).

Still fishing was the most popular method of fishing (66.1 percent). Minnows (58.5 percent) and sonar (24.3 percent) were the predominate baits used (Table 4a).

The Catch

There was a significant drop in the catch (40.3 percent) for all species in 1973 directly correlated with a decrease in hours spent fishing (17.2 percent) and number of fishermen (7.8 percent) (Tables 1 - 5).

Projected data show a decrease in total catch for each consecutive year. Projected number of fishermen increased from 13,443 to 16,454 in 1972, but dropped to 10,201 anglers in 1973. In 1972 projected hours decreased significantly from 47,884 to 35,247 and increased slightly in 1973 with 38,506 hours spent fishing (Table 6a).

Projected catch for sauger remained constant for 1971 and 1972 and dropped in 1973 from 29,514 to 23,441. The walleye catch varied little, ranging from 4,200 to 6,775 fish over the three-year period.

November, with an overall catch rate of 1.0249 fish per man-hour, proved more productive than October (0.8210 fish per man-hour) for all three years (Table 7a).

Sauger was the most abundant species in the overall catch during October and November (74.2 and 77.2 percent respectively). Walleye followed with 11.8 percent in October and 20.5 percent in November.

Still fishing was more productive for walleye and sauger than casting (Table 8a).

Actual catch data indicate more fish were caught with sonar as compared to other artificial lures. The catch rate, however, was not always higher.

The average length of all walleye taken during the three years was 14.7 inches, not significantly larger than walleye caught with sonar during the same period (14.6 inches) (Tables 9a - 10a).

Within the three-year census period, 28.1 percent of the walleye catch was comprised of fish less than 13.0 inches. This percentage was fairly constant for all three years (21.4 to 36.5 percent).

"Lunker" walleye (those over 20.0 inches) comprised 4.5 percent of the sonar catch while 4.3 percent of the fish caught with all baits were over 20.0 inches long.

The overall length of sauger averaged 13.0 inches, slightly less than sauger caught with sonar (13.2 inches) (Tables 9a - 11a).

Over 50.0 percent of the total sauger catch was less than 13.0 inches. All three years were quite constant (42.5 to 57.1 percent).

Pool 8

The Angler

The number of anglers remained constant each year with a grand total of 1,850 fishermen interviewed. Wisconsin residents accounted for 63.3 percent of the anglers contacted (Table 1).

Fishing Pool 8 was largely a local endeavor as 66.0 percent of all anglers lived within 50 miles of the pool (Table 2b).

Total projected hours for all types of fishing was 59,960 hours with 70.2 percent spent fishing from a boat (Table 3b).

Still fishing predominated as the preferred fishing method (67.9 percent). Minnows and sonar were favored persistently (60.8 and 24.5 percent respectively) by anglers (Table 4b).

The Catch

The total catch for each year was similar. An overall catch rate of 0.9066 fish per man-hour was characteristic of all three years (Table 5).

Projected data indicate the number of fishermen, fish, hours fished, and fish per hour were similar for 1971 and 1972. Pool 8 in 1973 experienced an increase of approximately six-thousand anglers, eight-thousand hours fished, and fifty-five hundred fish caught. This was accompanied by a slight decrease (7.7 percent) in fish per man-hour (Table 6b).

The walleye and sauger catch as indicated in the projected data also increased during 1973 (approximately 2,000 and 3,000 fish respectively).

Consistently during the study years, more fish were caught during the month of October, however, November's catch rate (0.9427 fish per man-hour) remained higher than October's rate (0.8852 fish per man-hour) (Table 7b).

Sauger was consistently the dominant species in the catch for October (68.7 percent) and November (70.8 percent). Walleye accounted for the bulk of the remainder for both months, 14.8 and 29.2 percent respectively.

Catch rates for anglers still fishing for walleye and sauger were consistently higher than casting (Table 8b).

Overall the fish per man-hour rate of those anglers using sonar for walleye and sauger was higher than the rate for all other artificial lures.

Walleye taken during the three year period averaged 13.7 inches with 40.2 percent less than 13.0 inches long. The percent of "lunker" walleye (1.2 percent) taken with sonar was slightly less than the percent (1.3 percent) taken with all baits combined (Tables 9b - 10b).

The average length of sauger taken with sonar and with all baits combined was the same (12.9 inches). Nearly 54.0 percent (53.9 percent) of the sauger catch was less than 13.0 inches long (Tables 9b - 11b).

Pool 7

The Angler

During the three-year census, 1973 had the smallest number of anglers interviewed. A total of 1,439 anglers were contacted that year of which 59.2 percent resided in Wisconsin (Table 1).

The trend in fishing pressure changed from anglers traveling over 100 miles to more of a local sport (less than 50 miles) over the three-year creel census period. Overall 50.2 percent of the fishermen contacted traveled less than 50 miles as compared to 45.3 percent traveling over 100 miles (Table 2c).

Of the projected total of 45,317 fishing hours for the three-year period, 51.9 percent was spent fishing from a boat and 41.0 percent fishing from a barge. The percentage of fishing types did not vary significantly from year to year (Table 3c).

Still fishing (73.5 percent) and casting (26.5 percent) were the only methods used. Minnows were used considerably more (67.6 percent) than sonar (22.7 percent) (Table 4c).

The Catch

Projected catch data indicate number of fishermen, fish, hours fished, and fish per man-hour varied little over the three years. The average fish per man-hour catch rate was 1.0262. Projected catch of walleye and sauger were fairly constant, averaging 2,346 and 11,809, respectively (Table 6c).

November was the most productive month each year, yielding a catch rate of 1.1456 fish per man-hour as compared to 0.8672 fish per man-hour in October (Table 7c).

Still fishing was the most productive fishing method for walleye and sauger. Anglers using sonar captured walleye and sauger at fairly high rates (0.9375 to 1.2389 fish per man-hour) (Table 8c).

Walleye taken from Pool 7 with sonar were slightly large (13.7 inches) than walleye taken with all other baits (13.1 inches). The percent of "lunker" walleye taken with sonar and all baits were identical (2.3 percent). Over half the walleye catch (57.1 percent) during the three-year period was less than 13.0 inches (Tables 9c - 10c).

Over 62 percent (62.4 percent) of the sauger catch was less than 13.0 inches with an average length of 12.5 inches for the three-year period. The average length of sauger taken with sonars and all baits combined were identical (12.5 inches) (Tables 9c - 11c).

Spring and Fall Comparison on Pool 7

Overall, 74.2 percent of the fishing pressure during spring and fall for all three years occurred during April and October. The less favorable weather of March and November probably discouraged fishing activity in those months (Table 12).

Over the three-year creel census period, fall fishermen caught 64,765 walleye and sauger while spring anglers creeled 22,074. Walleye accounted for 18.2 percent of the fall catch while sauger comprised 81.8 percent.

The spring walleye catch was greater than the sauger catch except for 1972. Sauger catch in the fall was consistently greater than the spring catch (Figure 1).

The decrease of the walleye and sauger spring catch in 1972 and the increase in 1973 was followed by an increase and decrease, respectively in the fall catch of these years.

Spring fishermen captured walleye at a higher rate than fall anglers during two of the three years censused (1972 was the exception). Fall catch rates for sauger were consistently much higher than the spring rate (Figure 2).

The average length of walleye in the spring was slightly larger than the fall average during two of the three years (1973 was the exception). Average lengths of sauger taken during the spring and fall showed very minute differences.

Some Comparisons Between Pools 7, 8, and 9

Over the three-year period Pool 9 consistently received the greatest fishing pressure, followed by Pools 8 and 7 (Tables 2a - 2c).

Pool 7 had the highest overall catch rate (0.9662 fish per man-hour) followed by Pool 8 (0.9066 fish per man-hour) and Pool 9 (0.7940 fish per man-hour) (Table 5).

Projected data indicate that Pool 9 yielded about as many walleye and sauger as the other two pools combined (Tables 6a - 6c).

Though October had a consistently higher catch for all years of all species, November's catch rate was higher for all pools (Tables 7a - 7c).

The catch rate for walleye and sauger increased in each pool in 1972 and then dropped in 1973 (Tables 8a - 8c).

A higher percentage of walleye under 13.0 inches occurred in the Pool 7 catch each year than in any other pool (Tables 9a - 9c).

DISCUSSION

There has been much concern generated over the concentrated fishing pressure occurring during the March and April walleye and sauger spawning season. Projected catch data indicate a greater exploitation during October and November. Catch data, however, in Pools 7, 8, and 9 for spring and fall indicate that neither fishery has been detrimental to the walleye and sauger populations.

There has been an increase in fishing pressure during the spring months on Pool 7, 4.5 percent in 1972 and 7.5 percent in 1973. This trend may warrant continued observation. The primary pressure in Pool 7 over the past three years has been generally a local endeavor. The increase that is occurring, however, has been from anglers traveling over 50 miles to fish this area. The outcome of the energy crisis could possibly affect this trend.

The fishing pressure decreased in all three pools during the fall of 1973. A decrease also occurred in the percentage of anglers traveling over 50 miles. In the fall of 1973 in Pool 7; the fishing pressure became more of a local endeavor. These changes might be due to gasoline shortages. The sport fishing pressure in Pool 9, however, remained the same, 52.0 percent of the fishermen traveling over one-hundred miles.

The catch rates of these three years should be compared with the forthcoming year-round and five-year spring censuses to adequately evaluate the exploitation of the walleye and sauger populations.

The average size of walleye and sauger caught with sonars was not significantly different than the average size of those caught with other baits.

The proportion of sauger to walleye in the fall catch was 3.57:1.00 for sonar caught fish and 4.68:1.00 for sauger and walleye caught with all other baits. The proportion of sauger to walleye for the total catch with all lures combined was 4.35:1.00.

It is doubtful that random snagging with sonars or other lures is a major factor influencing the harvest of walleye and sauger.

It appears that the walleye and sauger population in Pools 7, 8, and 9 are stable and are not adversely affected by a year-around fishing season.

APPENDIX

Table 1.

STATE OF ORIGIN FOR ANGLERS FISHING THE TAILWATERS

Pool	Year	WISCONSIN		MINNESOTA		OTHER STATES	
		No.	%	No.	%	No.	%
7	1971	269	57.8	56	12.0	140	30.2
	1972	327	59.7	53	9.7	168	30.7
	1973	260	61.0	66	15.5	100	23.4
	Total	856	59.5	175	12.2	408	28.4
8	1971	385	63.8	27	4.5	191	31.7
	1972	363	57.8	35	5.6	230	36.6
	1973	423	68.3	57	9.2	139	22.5
	Total	1,171	63.3	119	6.4	560	30.3
9	1971	567	58.2	5	0.5	402	41.3
	1972	537	58.2	2	0.2	383	41.5
	1973	495	63.5	11	1.4	273	35.0
	Total	1,599	59.8	18	0.6	1,058	39.5

Table 2a.

DISTANCES TRAVELED BY INTERVIEWED ANGLERS FISHING POOL 9 IN 1971, 1972, AND 1973

Year	MILEAGE ZONES											Total Anglers Interviewed	
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9				
	Up to 25	26-50	51-75	76-100	101-125	126-150	151-250	251-500	Over 500				
1971	No.	188	91	21	147	48	79	391	8	1			974
	%	19.3	9.3	2.2	15.1	4.9	8.1	40.1	0.8	0.1			
1972	No.	161	91	81	60	27	18	187	285	12			922
	%	17.5	9.9	8.8	6.5	2.9	2.0	20.3	30.9	1.3			
1973	No.	205	101	44	90	48	86	184	10	11			779
	%	26.3	13.0	5.6	11.6	6.2	11.0	23.6	1.3	1.4			
All Years Combined	No.	554	283	146	297	123	183	762	303	24			2,675
	%	20.7	10.6	5.5	11.1	4.6	6.8	28.5	11.3	0.8			

Table 2b.

DISTANCES TRAVELED BY INTERVIEWED ANGLERS FISHING POOL 8 IN 1971, 1972, AND 1973

Year	MILEAGE ZONES										Total Anglers Interviewed
	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9	Over 500	
	Up to 25	26-50	51-75	76-100	101-125	126-150	151-250	251-500			
1971	No.	353	45	13	6	6	2	165	9	4	603
	%	58.5	7.5	2.2	1.0	1.0	0.3	27.4	1.5	0.7	
1972	No.	269	125	9	4	5	3	31	174	8	628
	%	42.8	19.9	1.4	0.6	0.8	0.5	4.9	27.7	1.3	
1973	No.	303	126	23	28	16	11	107	3	2	619
	%	48.9	20.4	3.7	4.5	2.6	1.8	17.3	0.5	0.3	
All Years Combined	No.	925	296	45	38	27	16	303	186	14	1,850
	%	50.0	16.0	2.4	2.1	1.5	0.8	16.4	10.0	0.7	

Table 2c.

DISTANCES TRAVELED BY INTERVIEWED ANGLERS FISHING POOL 7 IN 1971, 1972, AND 1973

Year		MILEAGE ZONES										Total Anglers Interviewed
		Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Zone 9		
		Up to 25	26-50	51-75	76-100	101-125	126-150	151-250	251-500	Over 500		
1971	No.	199	15	2	10	19	15	202	1	2	465	
	%	42.8	3.2	0.4	2.2	4.1	3.2	43.4	0.2	0.4		
1972	No.	236	26	9	23	24	17	60	152	1	548	
	%	43.1	4.7	1.6	4.2	4.4	3.1	10.9	27.7	0.2		
1973	No.	215	31	8	17	26	5	116	5	3	426	
	%	50.5	7.3	1.9	4.0	6.1	1.2	27.2	1.2	0.7		
All Years Combined	No.	650	72	19	50	69	37	378	158	6	1,439	
	%	45.2	5.0	0.1	3.5	4.8	2.8	26.3	11.0	0.4		

Table 3a.

TOTAL PROJECTED NUMBER OF HOURS SPENT FISHING BY TYPE OF FISHING FOR POOL 9

Year	TYPE OF FISHING							
	Boat		Bank		Barge		Total Open Water	
	No. Hours	Percent ^{1/}	No. Hours	Percent	No. Hours	Percent	No. Hours	Percent
1971	12,009	25.6	3,512	7.5	31,363	66.9	46,884	
1972	10,122	28.7	5,329	15.1	19,796	56.2	35,247	
1973	9,268	23.8	7,250	18.6	22,386	57.5	38,904	
Total	31,399	25.9 ^{2/}	16,091	13.3	73,545	60.8	121,035	

^{1/} Percent by type of fishing for the two month period.

^{2/} Percent by type of fishing for the three year period.

Table 3b.

TOTAL PROJECTED NUMBER OF HOURS SPENT FISHING BY TYPE OF FISHING FOR POOL 8

Year	TYPE OF FISHING							
	Boat		Bank		Barge		Total Open Water	
	No. Hours	Percent ^{1/}	No. Hours	Percent	No. Hours	Percent	No. Hours	Percent
1971	11,983	87.5	940	6.9	779	5.7	13,702	
1972	12,586	65.7	743	3.9	5,813	30.4	19,142	
1973	17,551	54.7	860	3.2	8,705	32.1	27,116	
TOTAL	42,120	70.2 ^{2/}	2,543	4.2	15,297	25.5	59,960	

^{1/} Percent by type of fishing for the two month period.

^{2/} Percent by type of fishing for the three year period.

Table 3c.

TOTAL PROJECTED NUMBER OF HOURS SPENT FISHING BY TYPE OF FISHING FOR POOL 7

Year	TYPE OF FISHING							
	Boat		Bank		Barge		Total Open Water	
	No. Hours	Percent ^{1/}	No. Hours	Percent	No. Hours	Percent	No. Hours	Percent
1971	8,336	55.5	1,240	8.3	5,443	36.2	15,019	
1972	7,575	46.0	1,362	8.3	7,523	45.7	16,460	
1973	7,608	55.0	610	4.4	5,620	40.6	13,838	
Total	23,519	51.9 ^{2/}	3,212	7.1	18,586	41.0	45,317	

^{1/} Percent by type of fishing for the two month period.

^{2/} Percent by type of fishing for the three year period.

Table 4a.

ACTUAL NUMBER OF ANGLERS BY FISHING METHODS AND
LURES USED IN POOL 9

METHOD AND LURE	1971		1972		1973		Total	
	No.	%	No.	%	No.	%	No.	%
<u>Method</u>								
Casting	484	49.7	157	17.0	266	34.1	907	33.9
Still Fishing	489	50.2	765	83.0	513	65.9	1,767	66.1
Unknown	1	0.1	-	-	-	-	1	<u>1/</u>
Total	974		922		779		2,675	

<u>Lure</u>								
Worms	21	2.2	25	2.7	23	3.0	69	2.6
Minnows	524	53.8	601	65.2	447	57.4	1,572	58.5
Other Live Bait	4	0.4	-	-	8	1.0	12	0.5
Multiple Live Bait	19	2.0	-	-	-	-	19	0.7
Total Live Bait	568	58.3	626	67.9	478	61.4	1,672	62.3

Jigs	41	4.2	67	7.2	52	6.7	160	6.0
Flies	3	0.3	6	0.7	3	0.4	12	0.5
Sonar	295	30.3	150	16.3	201	25.8	646	24.3
Other Artificial	20	2.1	1	1.6	11	1.4	32	1.2
Total Artificial	359	36.9	224	25.8	267	34.3	850	31.9

Multiple Lures and Artificial	47	4.8	72	7.8	31	4.0	150	5.6

Prepared Bait	-	-	-	-	3	0.4	3	<u>1/</u>

Total	974		922		779		2,675	

1/ Less than 0.1

Table 4b.

ACTUAL NUMBER OF ANGLERS BY FISHING METHODS AND
LURES USED IN POOL 8

METHOD AND LURE	1971		1972		1973		Total	
	No.	%	No.	%	No.	%	No.	%
<u>Method</u>								
Casting	304	50.4	42	6.7	239	38.6	585	31.6
Still Fishing	293	48.6	583	92.8	380	61.4	1,256	67.9
Trolling	-	-	1	0.2	-	-	1	^{1/}
Multiple	6	1.0	2	0.3	-	-	8	0.4
Total	603		628		619		1,850	
<u>Lure</u>								
Worms	15	2.5	10	1.6	10	1.6	35	1.9
Minnows	319	52.9	459	73.1	348	56.2	1,126	60.8
Other Live Bait	-	-	-	-	5	0.8	5	0.2
Multiple Live Bait	6	1.0	-	-	-	-	6	0.3
Total Live Bait	340	56.4	469	74.7	363	58.8	1,172	63.4
Jigs	23	3.8	11	1.8	56	9.0	90	4.9
Flies	5	0.8	1	0.2	8	1.3	14	0.8
Sonar	185	30.7	120	19.1	149	24.1	454	24.5
Other Artificial	13	2.2	12	1.9	21	3.4	46	2.5
Total Artificial	226	37.5	144	23.0	234	37.8	604	32.6
Multiple Lures and Artificial	34	5.6	15	2.3	20	3.2	69	3.7
Prepared	3	0.5	-	-	2	0.3	5	0.2
Total	603		628		619		1,850	

^{1/} Less than 0.1

Table 4c.

ACTUAL NUMBER OF ANGLERS BY FISHING METHODS AND
LURES USED IN POOL 7

METHOD AND LURE	1971		1972		1973		Total	
	No.	%	No.	%	No.	%	No.	%
<u>Method</u>								
Casting	220	47.3	39	7.1	122	28.6	381	26.5
Still Fishing	245	52.7	509	92.9	304	71.4	1,058	73.5
Total	465		548		426		1,439	

<u>Lure</u>								
Worms	-	-	8	1.5	5	1.2	13	0.9
Minnows	315	67.7	423	77.2	236	55.4	974	67.6
Other Live Bait	1	0.2	1	0.2	4	0.9	6	0.4
Multiple Live Bait	1	0.2	-	-	-	-	1	1/
Total Live Bait	317	68.1	432	78.8	245	57.5	994	69.1

Jigs	31	6.7	13	2.4	8	1.9	52	3.6
Flies	6	1.3	10	1.8	9	2.1	25	1.7
Sonar	95	20.4	81	14.8	151	35.5	327	22.7
Other Artificial	1	0.2	1	0.2	1	0.2	3	1/
Total Artificial	133	29.7	105	19.2	169	39.7	407	28.3

Multiple Lures and Artificial	15	3.2	11	2.0	12	2.8	38	2.6

Total	465		548		426		1,439	

1/ Less than 0.1.

Table 5.

CATCH PER MAN-HOUR FOR ALL SPECIES FOR POOLS 7, 8, AND 9

Pool	Year	Hours Fished	Fish Caught	Catch Per Man Hour
7	1971	1,285.6	1,301	1.0120
	1972	1,525.9	1,480	0.9702
	1973	1,104.5	1,003	0.9081
Total		3,916.0	3,784	0.9662
8	1971	1,491.0	1,353	0.9074
	1972	1,741.0	1,634	0.9385
	1973	1,815.0	1,589	0.8755
Total		5,047.0	4,576	0.9066
9	1971	3,249.0	2,858	0.8792
	1972	2,640.5	2,749	1.0411
	1973	2,187.0	1,640	0.7499
Total		9,076.5	7,207	0.7940
GRAND TOTAL		18,039.5	15,567	0.8629

Table 6a.

PROJECTED CATCH OF FISH BY TYPE OF FISHING FOR EACH YEAR IN POOL 9

Species	1971			1972			1973					
	Boat	Bank	Barge	Total	Boat	Bank	Barge	Total	Boat	Bank	Barge	Total
Mooneye	-	-	-	-	-	17	-	17	-	-	-	-
Golden Redhorse	-	-	-	-	-	17	-	17	-	-	-	-
Smallmouth Buffalo	-	-	-	-	-	-	14	14	-	-	-	-
Carp	13	11	17	41	-	-	-	-	-	-	-	-
Channel Catfish	51	76	17	144	20	-	-	-	32	18	-	50
Flathead Catfish	-	22	-	22	-	-	-	-	32	18	21	71
Northern Pike	25	26	193	244	30	51	24	105	-	73	72	145
White Bass	458	-	1,475	4,715	20	153	474	647	-	272	43	315
Yellow Perch	25	78	49	152	-	34	24	58	-	54	57	111
Sauger	5,437	1,776	20,969	28,182	7,370	4,146	17,998	29,514	4,727	4,006	14,708	23,441
Walleye	1,263	410	4,111	5,784	1,635	495	2,070	4,200	2,178	612	3,985	6,775
Smallmouth Bass	-	11	-	11	-	-	-	-	-	-	-	-
Largemouth Bass	13	11	17	41	-	-	-	-	16	-	-	16
Warmouth	-	-	-	-	-	-	14	14	-	-	-	-
Bluegill	63	-	17	80	-	-	-	-	16	-	43	59
Rock Bass	13	11	-	24	-	-	-	-	-	-	-	-
White Crappie	191	11	66	268	20	-	-	20	16	-	-	16
Black Crappie	127	195	97	419	-	-	28	28	64	18	127	209
Shovelnose Sturgeon	-	-	-	-	-	-	14	14	-	-	-	-
Freshwater Drum	127	130	49	306	-	358	-	358	-	236	64	300
Projected Number of Fishermen	2,870	1,513	9,060	13,443	2,811	4,873	8,770	16,454	3,686	1,304	5,211	10,201
Projected Number of Fish	7,806	5,550	27,077	40,433	10,344	5,271	20,660	36,275	7,081	5,307	16,373	28,761
Projected Hours Fished	12,009	4,512	31,363	47,884	10,122	5,329	19,796	35,247	8,868	7,252	22,386	38,506
Projected Fish Per Hour	0.6500	1.2300	0.8633	0.8446	1.0219	0.9891	1.0436	1.0292	0.8796	0.7317	0.7313	0.7469

Table 6b.

PROJECTED CATCH OF FISH BY TYPE OF FISHING FOR EACH YEAR IN POOL 8

Species	1971				1972				1973			
	Boat	Bank	Barge	Total	Boat	Bank	Barge	Total	Boat	Bank	Barge	Total
Shorthead Redhorse	-	-	-	-	-	-	-	-	-	-	22	22
Carp	-	11	-	11	28	-	-	28	-	-	-	-
Channel Catfish	38	-	-	38	43	-	-	43	140	-	11	151
Flathead Catfish	13	11	-	24	15	-	-	15	18	-	33	51
Black Bullhead	-	-	-	-	-	-	29	29	-	-	-	-
Northern Pike	100	-	-	100	-	9	19	28	-	-	11	11
White Bass	1,325	675	219	2,219	111	-	115	226	-	-	347	347
Yellow Perch	13	-	-	13	-	30	19	49	73	-	196	269
Sauger	12,663	133	170	12,966	9,659	52	3,656	13,367	9,855	737	5,498	16,090
Walleye	2,377	66	37	2,480	2,385	58	1,321	3,764	4,190	-	1,687	5,877
Smallmouth Bass	-	22	-	22	-	-	-	-	-	-	-	-
Largemouth Bass	77	11	-	88	-	-	-	-	18	-	-	18
Pumpkinseed Sunfish	-	22	-	22	-	-	-	-	-	-	-	-
Bluegill	-	22	-	22	-	-	9	9	35	-	78	113
Rock Bass	-	11	12	23	-	-	-	-	18	-	33	51
White Crappie	25	77	12	114	-	-	-	-	35	-	11	46
Black Crappie	38	44	-	82	-	253	19	272	87	-	269	356
Freshwater Drum	50	-	49	99	171	-	38	209	122	-	56	178
Projected Number of Fishermen	7,793	269	519	8,581	3,349	212	3,309	6,870	6,913	246	5,935	13,094
Projected Number of Fish	16,719	1,105	499	18,323	12,412	402	5,225	18,039	14,591	737	8,259	23,587
Projected Hours Fished	18,151	940	779	19,870	12,586	743	5,813	19,142	17,551	860	8,705	27,116
Projected Fish Per Hour	0.9211	1.1765	0.6406	0.9221	0.9862	0.5410	0.8988	0.9423	0.8313	0.8569	0.9487	0.8698

Table 6c.

PROJECTED CATCH OF FISH BY TYPE OF FISHING FOR EACH YEAR IN POOL 7

Species	1971				1972				1973			
	Boat	Bank	Barge	Total	Boat	Bank	Barge	Total	Boat	Bank	Barge	Total
Golden Redhorse	-	-	-	-	-	14	-	14	-	-	-	-
Shorthead Redhorse	-	-	-	-	-	-	-	-	18	-	-	18
Carp	-	-	-	-	-	-	-	-	16	-	9	25
Channel Catfish	15	-	-	15	-	-	-	-	16	-	18	34
Flathead Catfish	-	-	-	-	-	-	-	-	-	-	9	9
Northern Pike	-	-	38	38	-	50	26	76	-	-	9	9
White Bass	656	213	420	1,289	17	285	104	406	16	-	9	25
Yellow Perch	41	-	-	41	17	96	15	128	-	-	59	59
Sauger	8,365	518	3,405	12,288	7,091	612	4,414	12,117	6,689	1,135	3,199	11,023
Walleye	1,024	71	414	1,509	1,838	132	1,462	3,432	1,364	28	705	2,097
Smallmouth Bass	-	-	-	-	17	14	9	40	-	-	9	9
Largemouth Bass	26	10	-	36	17	-	-	17	-	-	-	-
Warmouth	-	-	-	-	-	-	9	9	-	-	-	-
Bluegill	62	-	-	62	-	14	-	14	-	-	18	18
Rock Bass	15	-	-	15	-	14	-	14	-	-	37	37
White Crappie	68	-	19	87	68	14	35	117	16	-	9	25
Black Crappie	218	-	-	218	135	-	26	161	343	-	83	426
Freshwater Drum	139	20	38	197	51	14	9	74	35	-	46	81
Projected Number of Fishermen	2,497	310	2,807	5,614	2,136	908	2,723	4,767	2,417	309	1,394	4,120
Projected Number of Fish	10,629	832	4,334	15,795	9,323	1,403	6,109	16,835	8,513	1,163	4,219	13,895
Projected Hours Fished	8,336	1,240	5,443	15,019	7,575	1,362	7,523	16,460	7,608	610	5,620	13,838
Projected Fish Per Hour	1.3127	0.6721	0.9480	1.0517	1.2308	1.0301	0.8120	1.0228	1.1189	1.9065	0.7507	1.0041

Table 7a.

ACTUAL NUMBER OF FISH CAUGHT DURING EACH MONTH FOR POOL 9

Species	1971		1972		1973		Overall	
	October	November	October	November	October	November	October	November
Mooneye	-	-	1	-	-	-	1	-
Golden Redhorse	-	-	1	-	-	-	1	-
Smallmouth Buffalo	-	-	1	-	-	-	1	-
Carp	3	3	-	-	-	-	3	3
Channel Catfish	12	-	1	-	3	-	16	-
Flathead Catfish	2	-	5	2	4	-	6	-
Northern Pike	13	3	44	1	6	2	24	7
White Bass	305	60	3	1	17	-	366	61
Yellow Perch	8	3	3	1	5	1	16	5
Sauger	1,083	865	1,303	1,038	696	481	3,082	2,384
Walleye	170	240	158	164	164	229	492	633
Smallmouth Bass	1	-	-	-	-	-	1	-
Largemouth Bass	3	-	-	-	1	-	4	-
Warmouth	-	-	1	-	-	-	1	-
Bluegill	6	-	-	-	3	-	9	-
White Crappie	20	-	1	-	1	-	22	-
Black Crappie	33	1	2	-	11	-	46	1
Shovelnose Sturgeon	-	-	1	-	-	-	1	-
Freshwater Drum	25	-	21	-	16	-	62	-
Total Fish Caught	1,686	1,172	1,543	1,206	927	713	4,156	3,091
Total Hours Fished	2,201.5	1,049.0	1,553.5	1,087.0	1,307.0	880.0	5,062.0	3,016.0
Fish Per Man-Hour	0.7658	1.1173	0.9932	1.1095	0.7093	0.8102	0.8210	1.0249

Table 7b.

ACTUAL NUMBER OF FISH CAUGHT DURING EACH MONTH FOR POOL 8

Species	1971		1972		1973		Overall	
	October	November	October	November	October	November	October	November
Shorthead Redhorse	-	-	-	-	2	-	2	-
Carp	1	-	2	-	-	-	3	-
Channel Catfish	3	-	3	-	9	-	15	-
Black Bullhead	-	-	3	-	-	-	3	-
Flathead Catfish	2	-	1	-	4	-	7	-
Northern Pike	3	4	2	1	1	1	6	6
White Bass	170	11	19	1	29	3	218	15
Yellow Perch	1	-	4	-	10	17	14	17
Sauger	578	365	701	504	715	340	1,994	1,209
Walleye	79	96	189	168	150	250	418	514
Smallmouth Bass	2	-	-	-	-	-	2	-
Largemouth Bass	7	-	-	-	1	-	8	-
Pumpkinseed	2	-	-	-	-	-	2	-
Bluegill	2	-	-	-	9	-	12	-
Rock Bass	2	-	1	-	4	-	6	-
White Crappie	10	-	-	-	3	-	13	-
Black Crappie	7	-	19	-	29	-	55	-
Freshwater Drum	8	-	16	-	12	-	36	-
Total Fish Caught	877	476	960	674	978	611	2,815	1,761
Total Hours Fished	1,093.0	398.0	1,031.0	710.5	1,055.5	759.5	3,179.5	1,868.0
Fish Per Man-Hour	0.8024	1.1960	0.9311	0.9493	0.9266	0.8045	0.8852	0.9427

Table 7c.

ACTUAL NUMBER OF FISH CAUGHT DURING EACH MONTH FOR POOL 7

Species	1971		1972		1973		Overall	
	October	November	October	November	October	November	October	November
Golden Redhorse	-	-	-	-	1	-	1	-
Shorthead Redhorse	-	-	-	-	1	-	1	-
Carp	-	-	-	-	1	1	1	1
Channel Catfish	1	-	2	1	-	-	3	1
Flathead Catfish	-	-	-	-	2	1	2	1
Northern Pike	4	-	5	1	1	-	10	1
White Bass	91	19	34	-	1	1	126	20
Yellow Perch	1	2	7	9	4	3	12	14
Sauger	584	426	592	478	446	325	1,622	1,229
Walleye	55	72	190	125	81	88	326	285
Smallmouth Bass	-	-	3	-	1	-	4	-
Largemouth Bass	1	2	1	-	-	-	2	2
Warmouth	-	-	1	-	-	-	1	-
Bluegill	4	-	1	-	2	-	7	-
Rock Bass	1	-	1	-	4	-	6	-
White Crappie	3	4	9	2	1	1	13	7
Black Crappie	3	13	11	4	10	20	24	37
Freshwater Drum	15	-	5	-	7	-	27	-
Total Fish Caught	763	538	861	619	563	440	2,187	1,597
Total Hours Fished	902.6	383.0	948.9	577.0	670.5	434.0	2,522.0	1,394.0
Fish Per Man-Hour	0.8453	1.4047	0.9075	1.0728	0.8397	1.0138	0.8672	1.1456

Table 8a.

ACTUAL CATCH PER MAN-HOUR AND NUMBER OF WALLEYE AND SAUGER
COMBINED CAUGHT BY VARIOUS FISHING METHODS, BAITTS, AND TYPES
OF FISHING IN POOL 9

METHOD AND LURE	1971		1972		1973	
	Number of Fish	Fish Per Man-Hour	Number of Fish	Fish Per Man-Hour	Number of Fish	Fish Per Man-Hour
<u>Method</u>						
Casting	1,090	0.6726	438	0.9821	506	0.7333
Still Fishing	1,267	0.7774	2,125	1.0139	1,064	0.7108
Total	2,357	0.7255	2,563	0.9705	1,570	0.7178
<u>Lure</u>						
Worms	13	0.2015	21	0.2958	6	0.1091
Minnows	1,268	0.7415	1,751	1.0195	856	0.6748
Other Live Bait	4	0.4444	0	0.0000	15	0.8823
Multiple Live Bait	35	0.4895	0	0.0000	0	0.0000
Total Live Bait	1,320	0.7116	1,772	0.9908	877	0.6543
Sonar	792	0.8138	425	0.9737	488	0.8181
Jig	98	0.6182	214	1.1382	115	0.8424
Fly	15	1.4285	17	0.9444	4	0.3808
Other Artificial	22	0.4444	29	0.9999	21	0.9999
Total Artificial	927	0.7710	685	1.0201	628	0.8108
Multiple Live and Artificial	110	0.5431	206	1.1413	65	0.8724
Total	2,357	0.7254	2,663	1.0085	1,570	0.7177
<u>Type</u>						
Boat	520	0.5546	732	1.0413	400	0.7736
Bank	183	0.6278	272	0.8704	278	0.6123
Barge	1,655	0.8187	1,659	1.0210	892	0.7336

Table 8b.

ACTUAL CATCH PER MAN-HOUR AND NUMBER OF WALLEYE AND SAUGER
COMBINED CAUGHT BY VARIOUS FISHING METHODS, BAITS, AND TYPES
OF FISHING IN POOL 8

METHOD AND LURE	1971		1972		1973	
	Number of Fish	Fish Per Man-Hour	Number of Fish	Fish Per Man-Hour	Number of Fish	Fish Per Man-Hour
<u>Method</u>						
Casting	579	0.7188	72	0.8089	591	0.7804
Still Fishing	534	0.7953	1,479	0.9032	864	0.8168
Total	1,103	0.7468	1,551	0.8980	1,455	0.8017
<u>Lure</u>						
Worms	14	0.3734	1	0.0377	14	0.4180
Minnows	564	0.6959	1,152	0.8814	744	0.7329
Other Live Bait	0	0.0000	0	0.0000	11	0.7857
Multiple Live Bait	3	0.2500	0	0.0000	0	0.0000
Total Live Bait	581	0.6756	1,150	0.8646	769	0.7237
Sonar	419	0.9311	326	0.9789	361	0.9174
Jig	25	0.5000	15	0.9677	175	0.9484
Fly	9	0.6428	4	2.6666	25	1.1362
Other Artificial	26	0.7760	32	1.3616	47	0.7142
Total Artificial	479	0.8749	377	1.0094	608	0.9150
Multiple Live and Artificial	58	0.7340	32	0.9411	78	0.9453
Total	1,118	0.7499	1,562	0.8972	1,455	0.5698
<u>Type</u>						
Boat	1,083	0.8070	972	0.9520	750	0.7964
Bank	20	0.8472	12	0.1920	3	0.8571
Barge	17	0.2657	578	0.8791	712	0.8070

Table 8c.

ACTUAL CATCH PER MAN-HOUR AND NUMBER OF WALLEYE AND SAUGER
COMBINED CAUGHT BY VARIOUS FISHING METHODS, BAITS, AND TYPES
OF FISHING IN POOL 7

METHOD AND LURE	1971		1972		1973	
	Number of Fish	Fish Per Man-Hour	Number of Fish	Fish Per Man-Hour	Number of Fish	Fish Per Man-Hour
<u>Method</u>						
Casting	552	0.8532	81	0.7641	271	0.9426
Still Fishing	585	0.9161	1,304	0.9184	669	0.8188
Total	1,137	0.8841	1,385	0.9076	940	0.8507
<u>Lure</u>						
Worms	0	0.0000	1	0.0870	6	0.7059
Minnnows	765	0.8186	1,092	0.8898	497	0.7747
Other Live Bait	2	1.3333	0	0.0000	12	0.5854
Multiple Live Bait	4	0.8000	0	0.0000	0	0.0000
Total Live Bait	771	0.8193	1,093	0.8816	515	0.7681
Sonar	351	1.2389	223	1.2253	345	0.9375
Jig	52	0.5745	11	0.3999	23	1.3939
Fly	21	1.5554	9	0.2646	33	1.5000
Other Artificial	0	0.0000	1	0.4000	6	1.0000
Total Artificial	324	1.0382	265	1.0766	407	0.9854
Multiple Live and Artificial	42	1.2922	27	0.6750	18	0.8372
Total	1,137	0.8844	1,385	0.9077	940	0.8506
<u>Type</u>						
Boat	661	1.1454	625	1.1715	479	1.0574
Bank	58	0.4754	46	0.5257	8	1.1429
Barge	418	0.7127	714	0.7891	453	0.7029

Table 9a.

LENGTH DISTRIBUTION OF WALLEYE AND SAUGER
TAKEN WITH SONAR IN POOL 9

Length (inches)	1971		1972		1973	
	Walleye	Sauger	Walleye	Sauger	Walleye	Sauger
9.0- 9.9	1	5	-	1	-	1
10.0-10.9	1	26	1	16	4	11
11.0-11.9	4	69	12	49	7	29
12.0-12.9	38	107	11	110	16	96
13.0-13.9	30	137	6	129	30	145
14.0-14.9	31	167	3	43	39	45
15.0-15.9	12	76	7	16	27	6
16.0-16.9	23	21	5	4	11	3
17.0-17.9	14	5	3	1	5	1
18.0-18.9	6	3	4	-	1	2
19.0-19.9	4	3	1	-	3	-
20.0-20.9	4	-	-	1	3	1
21.0-21.9	3	-	2	-	2	-
22.0-22.9	2	-	-	-	-	-
23.0-23.9	-	-	-	-	-	-
24.0-24.9	1	-	-	-	-	-
Total	174	619	55	370	148	340
Average Length	15.0	13.6	14.1	13.1	14.7	13.0
Average Length of Fish Taken By Other Methods (Inches)	14.6	13.0	14.3	12.8	14.9	12.7

Table 9b.

LENGTH DISTRIBUTION OF WALLEYE AND SAUGER
TAKEN WITH SONAR IN POOL 8

Length (inches)	1971		1972		1973	
	Walleye	Sauger	Walleye	Sauger	Walleye	Sauger
9.0- 9.9	-	1	-	5	-	2
10.0-10.9	2	19	12	31	3	16
11.0-11.9	2	45	22	37	7	40
12.0-12.9	10	101	14	73	18	91
13.0-13.9	8	90	14	58	21	86
14.0-14.9	14	72	6	28	27	17
15.0-15.9	6	25	6	8	10	4
16.0-16.9	6	6	4	3	11	2
17.0-17.9	3	3	1	3	3	-
18.0-18.9	2	3	-	-	1	-
19.0-19.9	-	-	-	-	1	-
20.0-20.9	1	-	1	-	-	1
Total	54	365	80	246	102	259
Average Length	14.5	13.3	12.8	12.7	13.9	12.7
Average Length of Fish Taken By Other Methods (Inches)	13.8	13.1	13.4	12.8	14.4	12.6

Table 9c.

LENGTH DISTRIBUTION OF WALLEYE AND SAUGER
TAKEN WITH SONAR IN POOL 7

Length (inches)	1971		1972		1973	
	Walleye	Sauger	Walleye	Sauger	Walleye	Sauger
8.0- 8.9	-	-	-	1	-	-
9.0- 9.9	-	5	-	12	-	2
10.0-10.9	3	37	14	46	3	25
11.0-11.9	6	56	16	43	11	47
12.0-12.9	6	56	9	26	15	73
13.0-13.9	4	33	2	18	18	78
14.0-14.9	4	20	3	12	15	38
15.0-15.9	2	13	7	2	4	2
16.0-16.9	3	-	2	-	10	-
17.0-17.9	-	-	3	1	1	1
18.0-18.9	2	-	1	-	1	-
19.0-19.9	-	-	3	-	-	-
20.0-20.9	-	-	1	-	1	-
21.0-21.9	1	-	1	-	-	-
Total	31	220	62	161	79	226
Average Length	14.2	12.4	13.3	11.7	13.7	12.6
Average Length of Fish Taken By Other Methods (Inches)	12.9	12.4	12.9	12.5	13.6	12.6

Table 10a.

LENGTH DISTRIBUTION OF WALLEYE IN THE CATCH OF POOL 9

Size Range (inches)	1971		1972		1973	
	Number	Percent	Number	Percent	Number	Percent
9.0- 9.9	5	1.2	2	0.6	1	0.3
10.0-10.9	4	0.9	16	4.9	12	3.1
11.0-11.9	19	4.6	62	19.3	21	5.3
12.0-12.9	67	16.3	57	17.7	50	12.7
13.0-13.9	146	35.6	32	9.9	72	18.3
14.0-14.9	48	11.7	31	9.6	98	24.9
15.0-15.9	29	7.1	43	13.4	62	15.8
16.0-16.9	32	7.8	23	7.2	32	8.1
17.0-17.9	20	4.9	16	4.9	14	3.6
18.0-18.9	13	3.2	12	3.7	10	2.5
19.0-19.9	6	1.5	13	4.0	8	2.0
20.0-20.9	6	1.5	4	1.2	5	1.3
21.0-21.9	5	1.2	7	2.2	4	1.0
22.0-22.9	6	1.5	3	0.9	2	0.5
23.0-23.9	3	0.7	-	-	2	0.5
24.0-24.9	1	0.2	-	-	-	-
25.0-25.9	-	-	1	0.3	-	-
Total	410		322		393	
Average Length (inches)	14.7		14.4		14.9	

Table 10b.

LENGTH DISTRIBUTION OF WALLEYE IN THE CATCH OF POOL 8

Size Range (inches)	1971		1972		1973	
	Number	Percent	Number	Percent	Number	Percent
9.0- 9.9	-	-	2	0.6	-	-
10.0-10.9	4	2.6	37	10.4	8	2.0
11.0-11.9	10	6.6	77	21.6	34	8.5
12.0-12.9	36	23.8	101	28.3	56	14.0
13.0-13.9	40	26.5	36	10.1	78	19.5
14.0-14.9	41	27.2	34	9.5	87	21.8
15.0-15.9	20	13.2	19	5.3	59	14.8
16.0-16.9	11	7.3	17	4.8	48	12.0
17.0-17.9	6	3.9	7	1.9	11	2.8
18.0-18.9	3	1.9	4	1.1	3	0.7
19.0-19.9	-	-	8	2.2	8	2.0
20.0-20.9	3	1.9	8	2.2	3	0.7
21.0-21.9	-	-	3	0.8	3	0.7
22.0-22.9	1	0.6	1	0.3	-	-
23.0-23.9	-	-	1	0.3	-	-
24.0-24.9	-	-	1	0.3	1	0.2
25.0-25.9	-	-	-	-	1	0.2
Total	151		357		400	
Average Length (inches)	13.8		13.5		14.5	

Table 10c.

LENGTH DISTRIBUTION OF WALLEYE IN THE CATCH OF POOL 7

Size Range (inches)	1971		1972		1973	
	Number	Percent	Number	Percent	Number	Percent
8.0- 8.9	-	-	1	0.3	-	-
9.0- 9.9	-	-	3	0.9	-	-
10.0-10.9	8	6.3	44	13.9	8	4.7
11.0-11.9	18	14.1	103	32.7	23	13.6
12.0-12.9	36	28.3	71	22.5	34	20.1
13.0-13.9	25	19.9	20	6.3	28	16.7
14.0-14.9	18	14.1	18	5.7	29	17.2
15.0-15.9	12	9.4	18	5.7	20	11.8
16.0-16.9	5	3.9	7	2.2	13	7.7
17.0-17.9	-	-	7	2.2	6	3.5
18.0-18.9	4	3.1	7	2.2	4	2.4
19.0-19.9	-	-	8	2.5	1	0.6
20.0-20.9	-	-	3	0.9	1	0.6
21.0-21.9	1	0.7	2	0.6	-	-
22.0-22.9	-	-	1	0.3	1	0.6
23.0-23.9	1	0.7	-	-	1	0.6
24.0-24.9	-	-	1	0.3	-	-
25.0-25.9	-	-	1	0.3	-	-
26.0-26.9	-	-	1	0.3	-	-
Total	127		315		169	
Average Length (inches)	12.5		12.8		14.0	

Table 11a.

LENGTH DISTRIBUTION OF SAUGER IN THE CATCH OF POOL 9

Size Range (inches)	1971		1972		1973	
	Number	Percent	Number	Percent	Number	Percent
8.0- 8.9	6	0.3	-	-	1	<u>1/</u>
9.0- 9.9	76	3.9	30	1.3	13	1.1
10.0-10.9	156	8.0	175	7.4	74	6.3
11.0-11.9	230	11.8	440	18.8	137	11.6
12.0-12.9	361	18.5	694	29.6	369	31.4
13.0-13.9	402	20.6	592	25.3	401	34.1
14.0-14.9	333	22.2	249	10.6	127	10.8
15.0-15.9	193	9.9	104	7.8	31	2.6
16.0-16.9	60	3.1	35	1.5	14	1.2
17.0-17.9	16	3.1	16	0.7	4	0.3
18.0-18.9	8	0.8	4	0.1	5	0.4
19.0-19.9	5	0.3	-	-	-	-
20.0-20.9	1	<u>1/</u>	2	<u>1/</u>	1	<u>1/</u>
Total	1,948		2,341		1,177	
Average Length (inches)	13.2		12.9		12.8	

1/ Less than 0.1.

Table 11b.

LENGTH DISTRIBUTION OF SAUGER IN THE CATCH OF POOL 8

Size Range (inches)	1971		1972		1973	
	Number	Percent	Number	Percent	Number	Percent
9.0- 9.9	11	1.2	38	3.3	17	1.6
10.0-10.9	60	6.4	156	13.1	62	5.9
11.0-11.9	104	11.0	218	18.3	144	13.6
12.0-12.9	228	24.2	305	25.6	376	35.6
13.0-13.9	232	24.6	256	21.5	337	31.9
14.0-14.9	194	20.6	140	11.7	83	7.9
15.0-15.9	78	8.3	34	2.1	22	2.1
16.0-16.9	22	2.3	18	1.5	8	0.8
17.0-17.9	8	0.8	16	1.3	4	0.4
18.0-18.9	5	0.5	9	0.7	1	0.1
19.0-19.9	1	0.1	3	0.2	-	-
20.0-20.9	-	-	-	-	1	0.1
Total	943		1,193		1,055	
Average Length (inches)	13.1		12.8		12.7	

Table 11c.

LENGTH DISTRIBUTION OF SAUGER IN THE CATCH OF POOL 7

Size Range (inches)	1971		1972		1973	
	Number	Percent	Number	Percent	Number	Percent
7.0- 7.9	-	-	1	<u>1</u> / ₁₀	-	-
8.0- 8.9	5	0.4	2	0.1	1	0.1
9.0- 9.9	27	2.7	46	4.3	6	0.8
10.0-10.9	106	10.5	175	16.3	60	8.0
11.0-11.9	218	21.6	239	22.2	144	18.7
12.0-12.9	280	27.7	233	21.7	237	30.7
13.0-13.9	176	17.4	200	18.6	231	30.0
14.0-14.9	146	14.5	116	10.8	77	9.9
15.0-15.9	51	5.0	35	3.3	15	1.9
16.0-16.9	6	0.6	14	1.3	3	0.3
17.0-17.9	2	0.2	7	0.6	5	0.6
18.0-18.9	3	0.3	-	-	-	-
19.0-19.9	-	-	2	0.1	2	0.3
Total	1,010		1,073		771	
Average Length (inches)	12.4		12.5		12.6	

1/₁₀ Less than 0.1

Table 12.

SOME COMPARISONS BETWEEN THE SPRING AND FALL TAILWATER SPORT FISHERY IN POOL 7

	1971						1972					
	March	April	Total	October	November	Total	March	April	Total	October	November	Total
Anglers Interviewed	179	512	691	301	164	465	212	564	776	333	215	548
Projected Number of Anglers	1,057	3,122	4,179	3,430	1,191	4,621	782	3,937	4,719	12,782	1,985	4,767
Projected Hours Fished	3,458	10,936	14,394	10,602	4,417	15,019	2,620	12,316	14,936	10,571	2,005	12,576
Projected Catch of Walleye	700	3,399	4,099	660	849	1,509	461	2,346	2,807	2,041	1,391	3,432
Projected Catch of Sauger	1,104	1,999	3,103	7,253	5,035	12,288	745	2,586	3,331	7,345	4,772	12,117
Catch Per Man-Hour For Walleye	0.2101	0.3161	0.2918	0.0609	0.1880	0.0988	0.1783	0.1996	0.1942	0.2003	0.2166	0.2064
Catch Per Man-Hour For Sauger	0.3171	0.1850	0.2154	0.6470	1.1123	0.7856	0.3133	0.2337	0.2542	0.6239	0.8284	0.7013
Catch Per Man-Hour All Species	0.5700	0.7564	0.7136	0.8450	1.4050	1.0120	0.5050	0.6745	0.6309	0.9075	1.0728	0.9901
Average Size of Walleye in Catch (inches)	13.8	13.7	13.7	12.0	12.9	12.5	12.7	13.3	13.2	12.9	13.0	12.9
Average Size of Sauger in Catch (inches)	14.0	11.7	12.5	12.2	12.6	12.4	12.5	12.4	12.4	12.1	12.8	12.4
Percent of Walleye Over 20.2 Inches in the Catch	6.3	10.5	9.8	2.0	1.4	1.6	0.9	2.4	1.6	2.1	3.2	2.6

Table 12. (continued)

SOME COMPARISONS BETWEEN THE SPRING AND FALL TAILWATER SPORT FISHERY IN POOL 7

	1973					Total
	March	April	Total	October	November	
Anglers Interviewed	300	403	703	247	179	426
Projected Number of Anglers	1,467	3,771	5,238	2,406	1,714	4,120
Projected Hours Fished	4,872	12,525	17,397	8,430	5,408	13,838
Projected Catch of Walleye	1,925	3,660	5,585	1,077	1,020	2,097
Projected Catch of Sauger	1,070	2,079	3,149	6,730	4,293	11,023
Catch Per Man-Hour For Walleye	0.4383	0.2911	0.3538	0.1208	0.2028	0.1530
Catch Per Man-Hour For Sauger	0.2039	0.1795	0.1899	0.6652	0.7488	0.6981
Catch Per Man-Hour All Species	0.9509	0.7328	0.8257	0.8397	1.0138	0.9081
Average Size Walleye in Catch (inches)	12.7	12.6	12.6	14.3	13.5	13.9
Average Size Sauger in Catch (inches)	12.7	12.6	12.6	12.5	12.7	12.6
Percent of Walleye Over 20.0 Inches in the Catch	2.3	1.8	2.1	2.5	1.3	1.9

Figure 1. CATCH FOR WALLEYE AND SAUGER BY SEASON--SPRING (MARCH AND APRIL) AND FALL (OCTOBER AND NOVEMBER) FOR 1971, 1972, AND 1973 IN POOL 7

