

F-113-R-1
F-113 R-2
Region 4

MONTANA DEPARTMENT OF FISH, WILDLIFE AND PARKS
FISHERIES DIVISION
JOB PROGRESS REPORT

STATE: Montana

Federal Aid Project No. F-113-R1

PROJECT: Statewide Fisheries Investigations

F-113-R2

JOB TITLE: Tiber Reservoir and Lake Frances Summer Creel Survey

2000 Annual Report

ABSTRACT

A total of 304 angling parties at Tiber Reservoir and 344 parties at Lake Frances were interviewed on weekends between Memorial Day and Labor Day, 2000. A total of 1,510 anglers fished 8,302 hours and caught 3,111 walleye, 2,852 northern pike and 1,770 yellow perch. Catch rates were very good at Tiber for walleye, averaging 0.51 fish per hour. Good catch rates were also experienced at Frances for walleye at 0.24 fish per hour. Highest catch rates ever at Frances were recorded for northern pike (0.64 fish per hour) and yellow perch (0.41 fish per hour). Anglers preferred to fish for walleye, keeping 37 percent of this species at Tiber Reservoir and 78 percent at Lake Frances. Anglers at Tiber kept 53 percent of northern pike and 43 percent of yellow perch caught. Average length of walleye kept at Lake Frances was 16.9 inches while at Tiber Reservoir the average length was 14.1 inches. At Tiber, walleye were caught at equal rates throughout the summer. At Lake Frances, June and August were the best months to fish for walleye. Northern pike at Frances were caught at high rates throughout the summer whereas yellow perch appeared in the creel more often during July and August. The oldest walleye harvested by anglers was twenty years taken in Lake Frances, while at Tiber Reservoir the oldest walleye was twelve years. The average age of walleye taken at Tiber Reservoir during 2000 was 4.4 years and at Lake Frances the average was 6.7 years. The results of this census are compared to studies conducted on Lake Frances in 1989, and 1993-1999, and on Tiber Reservoir in 1991, and 1993-1999.

OBJECTIVES AND DEGREE OF ATTAINMENT

This project will monitor angler use, satisfaction, and success on Tiber Reservoir and Lake Frances by directly interviewing anglers on weekends throughout the summer. It will also provide data to monitor changes in species, size, and age composition and exploitation rate of fish harvested by anglers. Data will be compared to results from similar weekend creel surveys dating back to 1989 for Lake Frances and 1991 for Tiber Reservoir, along with statewide mail survey results to monitor changes. The project will provide current, accurate information on angler satisfaction and success.

Progress was made on the objectives listed above and data are included in this report.

PROCEDURES

Working eight-hour days, ground-based creel clerks interviewed as many parties of anglers as possible on weekends between Memorial Day and Labor Day. Information on species composition, catch rates, angler and trip characteristics angler satisfaction, and opinions on fisheries management problems were obtained from each party interviewed. Clerks recorded number and species of fish caught. Fish were measured to the nearest tenth of an inch and weighed to the nearest hundredth of a pound. All fish caught by an angling party were measured to eliminate bias of measuring one large fish. Dorsal spines of walleye were collected for determination of age classes harvested. Spines were mounted and sectioned as described previously (Hill, et al, 1996). Abbreviations for species listed in tables are as follows: WE=walleye; NP=northern pike; YP=yellow perch.

FINDINGS

Data collected from both reservoirs during 2000 will be compared to earlier creel surveys conducted at Lake Frances in 1989 and 1993-99 and at Tiber Reservoir in 1991 and 1993-99 (Hill, 2000).

Angler and Trip Characteristics

Angler and trip characteristics at Tiber Reservoir are presented in Table 1. During 2000, a total of 304 parties were interviewed which represented 751 anglers. The total number of parties interviewed during 2000, was the lowest of all census years. Previous years interviews ranged from 356 (1997) to 528 (1991). Average party size is comparable to past years at 2.5 anglers per party. Anglers fished 4,122 hours, averaging 5.4 hours per completed boat trip. Boat anglers averaged 1.2 lines per individual while shore anglers averaged 1.5 lines. In general, 75 percent or more of the anglers are considered local (within a 75 mile radius). During 2000, local anglers dropped to 67 percent while Western Montana anglers and other Montana anglers increased to 18 and 13 percent, respectively. Angling methods are comparable to previous years with bait, or lures and bait, being preferred by the majority of anglers. Walleye continue to be the most popular game fish with 73 percent of the anglers targeting this species followed by 23 percent acceptable to any fish. Nearly one half of the anglers interviewed during 2000 were satisfied with the number of fish caught but only 24 percent were satisfied with the size of fish caught. This size satisfaction is the lowest recorded of all survey years.

Lake Frances angler and trip characteristics are present in Table 2. A total of 344 party interviews were conducted during 2000, the highest recorded since 1995. A total of 759 anglers were represented with party size averaging 2.2 anglers. Anglers fished a total of 4180 hours. Because the lake was at or near dead storage for most of the summer, boat access was confined to one central location. This resulted in higher than normal completed trip interviews. Boat anglers averaged 5.6 hours per completed trip and 1.4 lines per angler, the highest recorded in both categories for all

Table 1. Angler and trip characteristics, Tiber Reservoir.

	1991	1993	1994	1995	1996	1997	1998	1999	2000
Parties interviewed	528	409	463	499	401	356	416	428	304
Anglers represented	1245	996	965	1039	902	794	1065	1031	751
Completed trip interviews	147	120	203	188	185	139	210	251	159
Avg. hrs/completed trip									
- boat	5.8	5.1	5.0	5.2	5.0	4.7	5.2	5.9	5.4
- shore	5.3	4.2	4.1	2.6	3.5	2.1	4.2	4.8	--*
Avg. no. attended lines									
- boat	1.2	1.1	1.0	1.0	1.0	1.1	1.2	1.2	1.2
-shore	1.5	1.4	1.6	1.5	1.5	1.6	1.2	1.4	1.5
Angler origin (%)									
- local	78	74	75	74	74	81	75	77	67
- Western Montana	6	7	6	10	6	8	9	10	18
- Other Montana	14	17	19	13	17	11	9	10	13
- Non-resident	2	2	0	3	2	1	7	3	2
Angling method (%)									
- lures	7	19	19	15	15	8	9	13	9
- bait	38	37	32	35	37	39	45	45	49
- lures and bait	55	44	49	50	49	53	46	43	42
Target species (% of anglers)									
- WE	72	42	57	58	63	61	71	79	73
- NP	1	0	1	1	0	0	1	Tr.	1
- YP	0	1	0	0	0	0	0	Tr.	0
- WE/NP	6	2	1	2	1	1	6	6	3
- WE/NP/YP	11	1	0	0	0	Tr.	Tr.	1	0
- any fish	11	55	41	40	36	38	17	13	23
Angler satisfaction (%)									
- no. of fish	--	54	62	34	46	37	59	61	48
- size of fish	--	61	55	46	67	30	45	46	24

*Insufficient Data

Table 2. Angler and trip characteristics, Lake Frances.

	1989	1993	1994	1995	1996	1997	1998	1999	2000
Parties interviewed	962	402	301	451	377	290	285	320	344
Anglers represented	2102	939	690	1108	792	652	648	747	759
Completed trip interviews	433	209	215	251	228	147	191	235	322
Avg. hrs/completed trip									
- boat	5.3	4.8	4.6	4.6	4.6	5.2	5.5	5.4	5.6
- shore	3.9	2.8	2.8	3.8	3.7	3.9	4.3	4.0	0.0
Avg. no. attended lines									
- boat	1.1	1.1	1.2	1.2	1.3	1.3	1.2	1.3	1.4
- shore	1.2	1.0	1.2	1.2	1.4	1.3	1.0	1.2	0.0
Angler origin (%)									
- local	70	71	83	75	79	72	76	65	86
- Western Montana	17	13	9	8	9	16	11	21	11
- Other Montana	10	13	7	15	12	12	11	13	3
- Non-resident	3	3	1	2	Tr.	1	2	1	1
Angling method (%)									
- lures	13	13	4	12	9	15	3	2	1
- bait	35	54	60	58	52	67	47	62	8
- lures and bait	52	33	36	30	39	18	49	36	91
Target species (% of anglers)									
- WE	59	52	54	54	46	66	56	64	66
- NP	9	8	3	3	3	6	Tr.	3	2
- YP	1	1	1	1	3	2	3	2	3
- WE/NP	14	7	10	17	28	10	10	7	16
- WE/NP/YP	3	3	12	6	7	3	6	13	7
- any fish	15	29	20	19	13	13	18	11	6
Angler satisfaction (%)									
- no. of fish	--	29	24	49	37	55	57	60	68
- size of fish	--	38	25	64	48	47	54	55	64

census years. No shore anglers were observed. Local anglers comprised 86 percent of the total, the highest of all census years. This increase is in sharp contrast to 1999 in which the local angler category dropped to a low of 86 percent. The main species targeted at Lake Frances continues to be walleye at 66 percent and anglers preferred using lures and bait to catch them. During 2000, sixty-eight percent of the anglers contacted were satisfied with the number of fish caught while 64 percent were satisfied with the size. Both of these categories are the highest recorded for all census years.

Catch Statistics and Angler Success

Table 3 presents catch statistics and angler success for Tiber Reservoir. Although somewhat lower than 1998 and 1999, walleye were caught at fairly high rates (0.51 fish per hour) at Tiber Reservoir during 2000. Catch rates for northern pike and yellow perch are also lower than in recent years, but harvest rates are similar. Only 37 percent of the walleye caught during 2000 were kept, possibly related to the small size of fish caught. The average size of walleye kept was 14.1 inches, the lowest of all census years. Anglers kept 53 percent of northern pike and 43 percent of yellow perch caught during 2000, the highest rates since 1993. The average length of northern pike was 23.4 inches, greatest of all census years while yellow perch were fairly small at 8.9 inches. Walleye were caught at equal rates throughout June, July and August, while June was the best month for northern pike.

Lake Frances catch statistics are presented in Table 4. During 2000, walleye were caught at a rate of 0.24 fish per hour, the highest since 1989. Northern pike were caught at 0.64 fish per hour while yellow perch averaged 0.41 fish per hour, both catch rates surpassing all other census years. At Lake Frances, anglers generally keep 70-85 percent of the walleye caught. During 2000, they kept 78 percent and these fish averaged 16.9 inches which is the highest average since 1996. Average length of northern pike and yellow perch caught during 2000 is similar to recent years. Anglers kept slightly less than 30 percent of these species which is less than all previous years. The month of June provided the highest catch rates for both walleye and northern pike.

Management Concerns

During interviews, creel clerks asked anglers whether or not they felt there were any management problems at either reservoir. Nearly one fifth of those interviewed at both waters felt there were problems. The main concerns voiced at Tiber Reservoir include the need for more forage fish, stocking fish, better enforcement/change in regulations, and improvement in facilities. At Lake Frances, water levels by far outdistanced all other concerns. Of lesser concern, improved facilities, regulation changes and fish stocking were also mentioned.

Age and Growth

Various parameters of age composition of walleye are presented in Tables 5 through 9. At Tiber Reservoir, 214 walleye were aged while 379 were aged at Lake Frances.

The oldest walleye aged at Tiber Reservoir during 2000 was twelve years and measured 20.1 inches. The average age for all walleye caught was 4.4 years. The majority of the fish kept were three (36%)

Table 3. Catch statistics and angler success, Tiber Reservoir.

		1991	1993	1994	1995	1996	1997	1998	1999	2000
Catch rate (fish/hour)	WE	0.35	0.38	0.72	0.44	0.38	0.24	0.57	0.65	0.51
	NP	0.07	0.03	0.03	0.06	0.07	0.02	0.08	0.07	0.04
	YP	0.04	0.01	0.04	0.02	0.03	0.02	0.05	0.03	0.01
Harvest rate (fish/hour)	WE	0.18	0.21	0.24	0.22	0.21	0.12	0.23	0.24	0.19
	NP	0.03	0.03	0.01	0.02	0.03	0.01	0.01	0.02	0.02
	YP	0.03	0.01	0.01	0.01	0.01	Tr.	0.01	0.01	0.01
Fish kept (%)	WE	51	54	33	49	54	49	41	37	37
	NP	48	83	38	26	34	52	16	28	53
	YP	82	76	29	33	35	16	18	32	43
Avg. length (in.)	WE	15.9	15.3	14.4	14.3	14.6	14.7	14.4	14.4	14.1
	NP	22.1	22.6	21.5	21.1	20.7	21.3	22.7	20.8	23.4
	YP	--	8.5	8.9	9.8	9.9	8.4	10.0	10.6	8.9
Catch rate by month (fish/hour)	June - WE	0.54	0.16	0.52	0.48	0.28	0.23	0.42	0.43	0.51
	- NP	0.05	0.02	0.05	0.09	0.09	0.02	0.08	0.07	0.07
	July - WE	0.51	0.44	0.99	0.59	0.60	0.29	0.70	0.78	0.54
	- NP	0.12	0.04	0.04	0.06	0.06	0.03	0.08	0.08	0.03
	Aug. - WE	0.36	0.68	0.87	0.21	0.22	0.22	0.58	0.72	0.48
	- NP	0.04	0.03	0.03	0.05	0.05	0.02	0.06	0.05	0.01

Table 4. Catch statistics and angler success, Lake Frances.

		1989	1993	1994	1995	1996	1997	1998	1999	2000
Catch rate (fish/hour)	WE	0.35	0.17	0.13	0.13	0.11	0.13	0.23	0.19	0.24
	NP	0.11	0.28	0.35	0.21	0.36	0.33	0.45	0.46	0.64
	YP	0.29	0.13	0.22	0.23	0.24	0.24	0.33	0.36	0.41
Harvest rate (fish/hour)	WE	0.17	0.12	0.11	0.11	0.08	0.10	0.17	0.16	0.18
	NP	0.07	0.11	0.13	0.09	0.12	0.12	0.17	0.17	0.17
	YP	0.12	0.08	0.18	0.11	0.11	0.15	0.21	0.25	0.12
Fish kept (%)	WE	50	73	86	84	73	73	71	82	78
	NP	64	40	38	43	33	37	37	36	27
	YP	46	63	83	50	46	63	64	70	28
Avg. length (in.)	WE	14.4	15.4	15.8	16.8	17.3	15.8	15.7	16.0	16.9
	NP	21.2	19.5	20.2	20.2	20.0	19.2	19.2	19.5	19.3
	YP	9.4	9.9	9.6	8.5	9.2	9.0	9.6	9.8	9.7
Catch rate by month (fish/hour)	June - WE	0.31	0.11	0.14	0.19	0.15	0.21	0.34	0.21	0.37
	- NP	0.10	0.28	0.21	0.16	0.27	0.28	0.30	0.42	0.82
	July - WE	0.15	0.07	0.18	0.13	0.08	0.09	0.07	0.13	0.17
	- NP	0.10	0.39	0.42	0.20	0.39	0.33	0.55	0.58	0.64
	Aug. - WE	0.82	0.32	0.08	0.07	0.04	0.08	0.23	0.21	0.23
	- NP	0.13	0.23	0.43	0.26	0.61	0.40	0.50	0.44	0.52

Table 5. Age composition of walleye harvested in Tiber Reservoir, 2000.

Length	No. per inch group	Number of fish per age group										
		2	3	4	5	6	7	8	9	10	11	12
9	1	1										
10	9	1	8									
11	31	1	22	8								
12	46		29	15	2							
13	35		17	13	5							
14	23		2	16	5							
15	19			6	9	3	1					
16	14			2	3	5	3	1				
17	16			1	5	1	3	3	3			
18	12				3	--	4	3	2			
19	5							3	2			
20	3								1	--	--	2
Total	214	3	78	61	32	9	11	10	8	0	0	2
Avg. length	10.6	10.6	12.2	13.5	15.5	16.3	17.3	18.2	18.6	--	--	20.1
Length range	9.9 -	10.5 -	11.3 -	12.7 -	15.4 -	15.5 -	16.8 -	17.2 -				20.0 -
	11.4	14.7	17.6	18.5	17.2	18.9	19.3	20.2				20.1

Table 6. Age composition of walleye harvested in Lake Frances, 2000.

Length	No. per inch group	Number of fish per age group													
		2	3	4	5	6	7	8	9	10	11	12	13	14	15+
10	1	--	1												
11	2	1	1												
12	17	3	14												
13	39		37	2											
14	59		41	13	3	1	1								
15	44		5	20	15	4	--								
16	32			5	16	11	--								
17	49			1	9	35	--	--	1	--	--	--	2	1	
18	39				1	17	3	4	2	1	1	1	5	3	1
19	38					1	2	4	4	4	2	4	7	7	3
20	26						1	2	2	6	2	4	6	2	1
21	22								2	2	4	3	2	6	3
22	6									2	--	1	2	1	--
23	1										--		1	--	--
24	0												--	--	--
25	4												1	1	2
Total	379	4	99	41	44	69	7	10	11	15	9	13	26	21	10
Avg. length		12.2	13.7	15.2	16.2	17.4	18.2	19.1	19.5	20.3	20.4	20.3	20.1	20.2	21.2
Length range		11.7- 12.6	10.6- 15.7	13.8- 17.4	14.2- 18.4	14.9- 19.3	14.2- 20.0	18.0- 20.7	17.6- 21.9	18.7- 22.5	18.4- 21.5	18.5- 22.3	17.9- 25.6	17.0- 25.3	18.4- 25.7

Table 7. Composition of harvested walleye by length and age, Tiber Reservoir.

	1991	1993	1994	1995	1996	1997	1998	1999	2000
Average age	4.7	4.5	4.9	4.3	4.6	4.6	4.1	4.0	4.4
Composition by length:									
8-11.9"	0 %	4 %	13 %	5 %	7 %	9 %	11 %	11 %	19 %
12-13.9"	9	21	37	50	34	34	33	37	38
14-15.9"	42	42	23	24	37	30	38	27	20
16-17.9"	40	21	14	12	12	17	13	15	14
18-19.9"	7	9	10	7	7	8	4	6	8
20"+	2	3	3	1	3	2	1	4	1
Composition by age:									
2 years	1 %	3 %	3 %	0 %	Tr.	8 %	8 %	13 %	1 %
3	20	19	16	28	18	14	33	33	36
4	26	40	37	42	40	28	30	29	29
5	30	18	18	16	24	31	11	10	15
6	17	11	8	8	10	10	11	8	4
7	3	6	7	2	4	4	5	3	5
8	1	2	5	3	1	2	1	2	5
9	2	--	5	1	1	2	Tr.	1	4
10			0	--	1	Tr.	--	1	0
11			1	--	1	1	--	--	0
12					1	1			1

Table 8. Composition of harvested walleye by length and age, Lake Frances.

	1989	1993	1994	1995	1996	1997	1998	1999	2000
Average age	3.6	4.9	5.8	6.2	7.0	5.6	5.2	5.4	6.7
Composition by length:									
8-11.9"	15 %	3 %	2 %	1 %	1 %	8 %	5 %	2 %	1 %
12-13.9"	44	21	13	14	4	28	25	16	15
14-15.9"	16	51	35	22	19	7	34	28	27
16-17.9"	7	15	32	29	30	29	10	22	21
18-19.9"	10	5	12	23	31	19	16	18	20
20" +	7	5	6	11	16	8	10	14	16
Composition by age:									
2 years	12 %	1 %	0 %	1 %	1 %	1 %	2 %	6 %	1 %
3	40	12	6	12	1	36	19	21	26
4	21	43	25	13	14	5	47	30	11
5	27 *	21	27	20	12	11	3	12	12
6		6	14	16	20	14	5	1	18
7		10	5	8	14	12	4	3	2
8		4	10	8	9	9	5	10	3
9		0	6	12	10	2	2	5	3
10		1	3	3	11	3	1	3	4
11		0	0	4	5	5	2	2	2
12		0	3	3	1	1	4	4	3
13		1	1	--	1	1	1	1	7
14						1	Tr.	1	6
15						Tr.	5	--	2
17							--	Tr.	Tr.
18							--	--	Tr.
20							Tr.	--	--

*1989 - Composition for age five includes five and older fish.

Table 9. Average length by age group of harvested walleye from Tiber Reservoir and Lake Frances.

Lake	Census year	Age Group																	
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	17	18	20	
Tiber Res.	1991	--	13.9	15.1	16.1	17.3	18.5	19.9	19.5	24.0	--	--	--	--	--	--	--	--	--
	1993	11.3	13.2	14.9	16.3	17.8	17.7	19.8	19.0	20.5	22.2	--	--	--	--	--	--	--	
	1994	10.0	12.1	13.3	14.8	16.6	17.2	17.7	18.5	20.4	27.1	--	--	--	--	--	--	--	
	1995	--	12.8	13.9	15.2	16.1	16.3	20.4	19.9	21.7	--	--	--	--	--	--	--	--	
	1996	10.7	12.3	13.7	15.1	16.9	17.8	18.7	18.8	21.6	--	24.3	--	--	--	--	--	--	
	1997	11.7	12.5	14.1	15.0	16.6	17.3	19.3	19.3	22.8	19.9	--	--	--	--	--	--	--	
	1998	11.7	13.1	14.4	15.2	16.3	17.2	19.1	17.3	--	--	--	--	--	--	--	--	--	
	1999	11.7	13.2	14.7	16.3	17.0	18.5	20.1	19.8	21.1	--	--	--	--	--	--	--	--	
	2000	10.6	12.2	13.5	15.5	16.3	17.3	18.2	18.6	--	--	20.1	--	--	--	--	--	--	
	Averages	11.1	12.8	14.2	15.5	16.8	17.5	19.2	19.0	21.7	23.1	22.2	--	--	--	--	--	--	
Lake Frances	1989*	11.1	12.7	14.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	1993	10.1	12.7	14.3	15.3	16.6	18.5	18.8	22.5	22.5	25.0	21.0	24.4	--	--	--	--	27.9	
	1994	11.0	12.6	13.9	15.4	16.6	17.2	17.8	19.4	20.2	20.0	20.9	23.3	--	--	--	--	--	
	1995	11.5	12.9	14.4	15.8	17.2	17.9	18.9	19.1	20.9	20.8	22.5	--	--	--	--	--	--	
	1996	10.5	12.3	14.5	15.9	17.2	17.3	18.7	19.7	20.2	21.2	20.9	20.0	--	--	--	--	--	
	1997	10.9	12.6	14.8	16.7	17.3	18.2	18.7	20.5	18.9	19.8	20.9	22.4	24.4	24.0	--	--	--	
	1998	11.7	12.9	14.7	16.7	18.4	18.8	19.4	19.8	20.4	21.5	20.1	21.2	20.1	22.4	--	--	--	
	1999	12.1	13.9	15.8	16.9	18.9	19.2	19.7	20.6	19.7	20.9	20.1	31.9	22.4	--	24.0	--	--	
	2000	12.2	13.7	15.2	16.2	17.4	18.2	19.1	19.5	20.3	20.4	20.3	20.1	20.2	20.6	21.9	25.7	--	
	Averages	11.2	12.9	14.6	16.1	17.5	18.2	18.9	20.1	20.4	21.2	20.8	21.9	21.8	22.3	23.0	25.7	27.9	

* 1989 at Lake Frances - data not presented beyond age four because data lumped for age five and older fish.

and four(29%) years old. Size of walleye continues to be small, with 77 percent of the catch being less than 16 inches.

The average age of walleye caught at Lake Frances in 2000 was 6.7 years, considerably older than Tiber and the highest average since 1996. The oldest walleye at Lake Frances was eighteen years old and measured 25.7 inches. Twenty-six percent of the catch was three years old and 18 percent was six years old. Forty-three percent of walleye in the creel was less than 16 inches.

DISCUSSION AND RECOMMENDATIONS

Collectively, 648 parties of anglers were interviewed at Tiber Reservoir and Lake Frances during 2000. A total of 1,510 anglers were represented with local fishermen making up 86 percent of the total at Lake Frances and 67 percent at Tiber. Walleye was the target species at both waters and the average size at Frances was 16.9 inches, nearly three inches greater than that at Tiber (14.1 inches). Anglers keep a greater percentage of walleye at Frances as compared to Tiber, but more northern pike and yellow perch are kept at Tiber. Undoubtedly, this is related to size of fish. Catch rates for walleye improved at Frances to 0.24 fish per hour, the highest rate since 1989. Walleye catch rates continue at high levels at Tiber, although the rate of 0.51 experienced in 2000 dropped somewhat from the two previous years. The majority of walleye kept at Tiber are three, four and five years old, accounting for 80 percent of the catch while at Frances, most of the walleye kept are three, four, five and six year old fish and account for 67 percent of the catch. Anglers at Frances were highly satisfied with both the number and size of fish caught. However, at Tiber, less than half of the anglers were satisfied with the number of fish and only one-quarter of the anglers were satisfied with the size of fish caught. Approximately 80 percent of the parties interviewed at both waters felt there was no management problems. The remaining 20 percent were concerned with low water levels/water level management at Frances and improving forage fish numbers and stocking fish at Tiber.

It is recommended to continue the creel surveys on Lake Frances and Tiber Reservoir if funding permits. The weekend creel surveys are an effective tool for monitoring these fisheries.

ACKNOWLEDGMENTS

Ray Widhalm conducted the creel census on Lake Frances while Jeff Lammerding handled the Tiber Reservoir survey. Paul Hamlin set up the computer programs while Kelly Smith entered and analyzed data and mounted, cut and read spines.

LITERATURE CITED

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PRINCIPAL FISH SPECIES INVOLVED: Walleye, northern pike, yellow perch.

CODE NUMBERS OF WATERS REFERRED TO IN REPORT:

14-7440	Lake Frances
14-9240	Tiber Reservoir