

## Appendix 2

### Miscellaneous Historical Creel Data

This appendix contains miscellaneous creel data from 1928-1964 for the St. Joseph River and tributaries. Angler hours, catch by species, total catch, catch per effort (CPE) by species, and total catch per effort were summarized by year for each waterbody. All reported catch was harvest. These data were compiled from general creel census records (Ryckman 1981) located at Michigan Department of Natural Resources, Institute for Fisheries Research. Catch rates were calculated using ratio-of-means estimator for complete fishing trips:  $CPE = \text{total catch}/\text{total hours}$  (Lockwood et al. 1999). Table shows precision to only one decimal place.

### References

- Lockwood, R.N., D.M. Benjamin, and J.R. Bence. 1999. Estimating angling effort and catch from Michigan roving and access site angler survey data. Michigan Department of Natural Resources, Fisheries Division, Research Report 2044, Ann Arbor, Michigan.
- Ryckman, J.R. 1981. Creel census methods in general. Appendix VI-A-9 in J.W. Merna, J.C. Schneider, G.R. Alexander, W.D. Alward, and R.L. Eshenroder, editors. Manual of fisheries survey methods. Fisheries Management Report No. 9, Michigan Department of Natural Resources, Lansing, Michigan.





Appendix 2.–Continued.

Segment and stream	Year	Angler hours		Total #s Fish		Total CPE		Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin		
		Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE					
Upper (continued)																																										
Nottawa Creek	1950	8	13	1.6																						11	1.4			2	0.3											
Nottawa Creek	1951	14	3	0.2						3	0.2																															
Nottawa Creek	1953	34	14	0.4	1	0.0			2	0.1	11	0.3																														
Nottawa Creek	1954	46	9	0.2						2	0.0	1	0.0											4	0.1												2	0.0				
Nottawa Creek	1956	24	30	1.3										2	0.1	14	0.6	6	0.3	7	0.3	1	0.0																			
Pine Creek	1945	12	11	0.9																																	11	0.9				
St. Joseph River	1930	17	94	5.5																														8	0.5	71	4.2		15	0.9		
St. Joseph River	1931	8	17	2.1										1	0.1				5	0.6	7	0.9	4	0.5																		
St. Joseph River	1932	2	2	1.0													2	1.0																								
St. Joseph River	1933	109	283	2.6										24	0.2	1	0.0	201	1.8	6	0.1	25	0.2	14	0.1	2	0.0			10	0.1											
St. Joseph River	1934	43	212	4.9										8	0.2			196	4.6			8	0.2																			
St. Joseph River	1937	198	1233	6.2										1	0.0	11	0.1	1092	5.5	17	0.1	30	0.2	10	0.1	1	0.0			1	0.0					69	0.3		1	0.0		
St. Joseph River	1938	31	13	0.4										3	0.1	6	0.2					1	0.0																			
St. Joseph River	1943	77	144	1.9												1	0.0	137	1.8			6	0.1																			
St. Joseph River	1944	3	3	1.0																																						
St. Joseph River	1945	46	46	1.0															41	0.9			2	0.0																		
St. Joseph River	1946	46	17	0.4															5	0.1			7	0.2																		
St. Joseph River	1949	40	40	1.0															18	0.5	5	0.1	1	0.0	13	0.3			3	0.1												
St. Joseph River	1952	3	4	1.3																			4	1.3																		
St. Joseph River	1953	1	0	0.0																																						
St. Joseph River	1954	30	64	2.1																																						
St. Joseph River	1962	16	18	1.1																																						
St. Joseph River	1964	38	22	0.6																																						
Swan Creek	1930	18	82	4.6																																						
Swan Creek	1944	13	33	2.5																																						
Swan Creek	1954	23	9	0.4																																						
Middle																																										
Christiana	1954	12	7	0.6																																						
Curtis Creek	1933	10	21	2.1																																						
Curtis Creek	1944	11	4	0.4																																						
Curtis Creek	1945	17	21	1.2																																						
Curtis Creek	1946	24	13	0.5																																						
Curtis Creek	1950	10	17	1.7																																						

Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #'s Fish			Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin		
						Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	
						Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE		Total CPE
Middle (continued)																																								
Curtis Creek	1953	14	8	0.6	8	0.6																																		
Curtis Creek	1963	5	2	0.4	2	0.4																																		
Fawn River	1934	4	2	0.5																																				
Fawn River	1943	6	27	4.5																																				
Fawn River	1944	3	7	2.3																																				
Fawn River	1945	5	3	0.6																																				
Fawn River	1947	7	4	0.6																																				
Fawn River	1958	8	27	3.4																																				
Fawn River	1962	10	17	1.7																																				
Flowerfield Creek	1933	2	4	2.0	3	1.5	1	0.5																																
Flowerfield Creek	1934	29	61	2.1	60	2.1	1	0.0																																
Flowerfield Creek	1950	3	8	2.7			2	0.7	6	2.0																														
Flowerfield Creek	1953	27	30	1.1			9	0.3	21	0.8																														
Flowerfield Creek	1954	60	71	1.2			17	0.3	54	0.9																														
Flowerfield Creek	1963	50	63	1.3			26	0.5	37	0.7																														
Flowerfield Creek	1964	38	3	0.1			1	0.0	2	0.1																														
Kegon Creek	1930	39	36	0.9	31	0.8	5	0.1																																
Kegon Creek	2028	25	29	1.2	29	1.2																																		
Mill Creek	1934	13	17	1.3	15	1.2			2	0.2																														
Pigeon River	1930	5	2	0.4																																				
Pigeon River	1945	5	4	0.8																																				
Pigeon River	1947	28	36	1.3							13	0.5	7	0.3	5	0.2	1	0.0																						
Portage River	1929	8	9	1.1																																				
Portage River	1930	1	1	1.0																																				
Portage River	1933	1	14	14																																				
Portage River	1934	2	25	13																																				
Portage River	1940	6	5	0.8																																				
Portage River	1941	4	1	0.3																																				
Portage River	1943	67	46	0.7							12	0.2	4	0.1	1	0.0	1	0.0	19	0.3																				
Portage River	1944	6	7	1.2							4	0.7							3	0.5																				
Portage River	1945	4	0	0.0																																				
Portage River	1946	1	6	6.0																																				
Portage River	1947	3	1	0.3																																				
Portage River	1949	7	21	3.0																																				

Appendix 2.—Continued.

Segment and stream	Year	Angler hours	Total #s Fish			Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin	
			Total	CPE		Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE		
Middle (continued)																																							
Portage River	1959	10	21	2.1							7	0.7						3	0.3	11	1.1																		
Portage River	1961	6	2	0.3																																			
Prairie River	1928	5	1	0.2																																			
Prairie River	1929	23	24	1.0																																			
Prairie River	1932	2	11	5.5	11	5.5																																	
Prairie River	1943	12	12	1.0	2	0.2				4	0.3																												
Prairie River	1944	6	7	1.2			1	0.2	6	1.0																													
Prairie River	1945	34	61	1.8	28	0.8	23	0.7	10	0.3																													
Prairie River	1946	55	56	1.0	52	0.9			4	0.1																													
Prairie River	1949	280	159	0.6	57	0.2	8	0.0	94	0.3																													
Prairie River	1950	32	12	0.4	3	0.1	5	0.2	4	0.1																													
Prairie River	1951	162	35	0.2	11	0.1	13	0.1	11	0.1																													
Prairie River	1952	104	62	0.6	21	0.2	35	0.3	6	0.1																													
Rocky River	1928	27	65	2.4	65	2.4																																	
Rocky River	1929	25	41	1.6																																			
Rocky River	1933	14	39	2.8							1	0.1	28	2.0	9	0.6																							
Rocky River	1934	24	26	1.1							1	0.0	21	0.9																									
Rocky River	1938	6	10	1.7																																			
Rocky River	1939	40	16	0.4																																			
Rocky River	1943	5	9	1.8			1	0.2	8	1.6																													
Rocky River	1944	7	2	0.3					2	0.3																													
Rocky River	1945	24	49	2.0			18	0.8	13	0.5			2	0.1	4	0.2	2	0.1	10	0.4																			
Rocky River	1946	20	11	0.6			2	0.1	9	0.5																													
Sherman Mills Creek	1954	26	37	1.4					37	1.4																													
St. Joseph River	1928	224	176	0.8							25	0.1	48	0.2	59	0.3			12	0.1																			
St. Joseph River	1929	112	174	1.6							2	0.0	3	0.0	75	0.7	9	0.1	19	0.2																			
St. Joseph River	1930	196	268	1.4							1	0.0	7	0.0	136	0.7	24	0.1	14	0.1	23	0.1	34	0.2															
St. Joseph River	1931	74	154	2.1											118	1.6					26	0.4	7	0.1															
St. Joseph River	1932	4	8	2.0							8	2.0																											
St. Joseph River	1933	7	21	3.0									4	0.6	17	2.4																							
St. Joseph River	1934	32	75	2.3							9	0.3			49	1.5					15	0.5		2	0.1														
St. Joseph River	1936	180	365	2.0							17	0.1	47	0.3	258	1.4	38	0.2																					
St. Joseph River	1938	5	2	0.4																																			
St. Joseph River	1940	19	44	2.3									2	0.1	33	1.7	6	0.3																					

Appendix 2.—Continued.

Segment and stream	Year	Angler hours	Total #s Fish	Total CPE	Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin				
					Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE			
Middle (continued)																																									
St. Joseph River	1941	474	376	0.8							21	0.0	15	0.0	100	0.2	22	0.0	37	0.1	38	0.1	101	0.2					22	0.0			16	0.0	1	0.0	1	0.0	2	0.0	
St. Joseph River	1942	142	118	0.8							1	0.0	2	0.0	76	0.5	2	0.0	24	0.2	1	0.0	7	0.0			2	0.0	2	0.0				1	0.0						
St. Joseph River	1943	770	485	0.6							9	0.0	42	0.1	196	0.3	33	0.0	16	0.0	13	0.0	45	0.1			47	0.1	54	0.1	15	0.0	15	0.0							
St. Joseph River	1944	158	134	0.9							3	0.0	3	0.0	30	0.2	2	0.0	23	0.1	36	0.2	2	0.0			6	0.0	16	0.1				13	0.1						
St. Joseph River	1945	461	201	0.4							2	0.0	7	0.0	65	0.1	7	0.0	18	0.0	5	0.0					33	0.1	27	0.1				37	0.1						
St. Joseph River	1946	1028	497	0.5							2	0.0	21	0.0	165	0.2	14	0.0	51	0.0	89	0.1	39	0.0			96	0.1	9	0.0			10	0.0			1	0.0			
St. Joseph River	1947	472	280	0.6							1	0.0	3	0.0	211	0.4	13	0.0	11	0.0	5	0.0	7	0.0			4	0.0	22	0.0			3	0.0							
St. Joseph River	1948	273	226	0.8							1	0.0	1	0.0	198	0.7	10	0.0	8	0.0	4	0.0	4	0.0																	
St. Joseph River	1949	684	952	1.4									20	0.0	479	0.7	130	0.2	47	0.1	199	0.3	42	0.1			32	0.0	1	0.0				2	0.0						
St. Joseph River	1950	742	588	0.8							15	0.0	7	0.0	306	0.4	43	0.1	67	0.1	6	0.0	30	0.0			84	0.1					30	0.0							
St. Joseph River	1951	148	81	0.6							1	0.0	4	0.0	76	0.5																									
St. Joseph River	1952	272	200	0.7							4	0.0	8	0.0	57	0.2	28	0.1	2	0.0	88	0.3	7	0.0			6	0.0													
St. Joseph River	1953	44	191	4.3											185	4.2	3	0.1					3	0.1																	
St. Joseph River	1954	203	409	2.0							15	0.1	40	0.2	177	0.9	61	0.3	19	0.1	11	0.1	19	0.1			23	0.1	27	0.1			9	0.0	8	0.0					
St. Joseph River	1955	314	307	1.0							6	0.0	3	0.0	202	0.6	29	0.1	24	0.1	33	0.1	1	0.0							4	0.0					5	0.0			
St. Joseph River	1956	400	425	1.0							2	0.0	14	0.0	218	0.5	53	0.1	17	0.0	26	0.1	36	0.1			3	0.0	10	0.0	13	0.0	33	0.1							
St. Joseph River	1957	72	104	1.4							9	0.1	2	0.0	77	1.1	8	0.1	3	0.0	4	0.1					1	0.0													
St. Joseph River	1958	255	104	0.4							1	0.0	23	0.1	50	0.2			13	0.1	10	0.0	5	0.0			2	0.0													
St. Joseph River	1959	327	558	1.7							2	0.0	52	0.2	348	1.1	82	0.3	7	0.0	22	0.1	42	0.1			2	0.0					1	0.0							
St. Joseph River	1960	224	1698	7.6											1638	7.3	30	0.1					30	0.1																	
St. Joseph River	1961	327	667	2.0							7	0.0	22	0.1	510	1.6	28	0.1	7	0.0	17	0.1	42	0.1			1	0.0	1	0.0	19	0.1	12	0.0	1	0.0					
St. Joseph River	1962	261	255	1.0							10	0.0	5	0.0	123	0.5	18	0.1	12	0.0	18	0.1	1	0.0			1	0.0	10	0.0	26	0.1	30	0.1	1	0.0					
St. Joseph River	1963	308	464	1.5							3	0.0	292	0.9	51	0.2	51	0.2	7	0.0	51	0.2	36	0.1			6	0.0	4	0.0	6	0.0	8	0.0							
St. Joseph River	1964	242	292	1.2							6	0.0	117	0.5	54	0.2	21	0.1	61	0.3	31	0.1					1	0.0	1	0.0											
Swan Creek	1945	5	17	3.4																																					
Swan Creek	1947	3	12	4.0											7	2.3	3	1.0																							
Thorpe Creek	1930	55	70	1.3	52	0.9	17	0.3	1	0.0																															
Thorpe Creek	1928	32	69	2.2	42	1.3			27	0.8																															
Lower																																									
Brandywine Cr.	1928	53	161	3.0	161	3.0																																			
Brandywine Cr.	1930	133	162	1.2	110	0.8	32	0.2	20	0.2																															
Brandywine Cr.	1931	4	3	0.8	3	0.8																																			
Brandywine Cr.	1932	8	6	0.8	6	0.8																																			

Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #s Fish		Total CPE		Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin								
							Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE							
Lower (continued)																																															
Brandywine Cr.	1933	1	0	0.0																																											
Brandywine Cr.	1935	37	49	1.3	49	1.3																																									
Brandywine Cr.	1939	2	5	2.5	3	1.5	2	1.0																																							
Brandywine Cr.	1944	16	1	0.1							1	0.1																																			
Brandywine Cr.	1945	21	4	0.2	3	0.1					1	0.0																																			
Brandywine Cr.	1947	7	3	0.4					3	0.4																																					
Brandywine Cr.	1948	7	0	0.0																																											
Brandywine Cr.	1955	8	5	0.6							5	0.6																																			
Dowagiac Creek	1935	30	14	0.5					13	0.4	1	0.0																																			
Dowagiac Creek	1939	4	7	1.8									3	0.8			4	1.0																													
Dowagiac Creek	1949	46	11	0.2					10	0.2																																					
Dowagiac Creek	1958	28	8	0.3	4	0.1	2	0.1	2	0.1	2	0.1																																			
Dowagiac Creek	1959	75	50	0.7					45	0.6	5	0.1																																			
Dowagiac Creek	1962	31	31	1.0					10	0.3	3	0.1																																			
Dowagiac Creek	1963	18	24	1.3					21	1.2	3	0.2																																			
Dowagiac Creek	1964	10	9	0.9							8	0.8																																			
Dowagiac River	1933	2	1	0.5							1	0.5																																			
Dowagiac River	1934	95	182	1.9	33	0.3	93	1.0	55	0.6					1	0.0																															
Dowagiac River	1939	12	7	0.6	3	0.3	4	0.3																																							
Dowagiac River	1943	44	35	0.8							35	0.8																																			
Dowagiac River	1944	29	6	0.2							6	0.2																																			
Dowagiac River	1945	155	40	0.3					10	0.1	30	0.2																																			
Dowagiac River	1946	46	2	0.0	1	0.0					1	0.0																																			
Dowagiac River	1947	193	19	0.1					10	0.1	9	0.0																																			
Dowagiac River	1948	210	79	0.4	14	0.1	37	0.2	28	0.1																																					
Dowagiac River	1953	7	20	2.9																																											
Dowagiac River	1954	243	84	0.4					69	0.3	15	0.1																																			
Dowagiac River	1955	100	83	0.8	1	0.0	82	0.8																																							
Dowagiac River	1957	38	14	0.4					5	0.1	9	0.2																																			
Dowagiac River	1958	59	53	0.9							53	0.9																																			
Dowagiac River	1959	123	146	1.2	7	0.1	18	0.1	121	1.0																																					
Dowagiac River	1960	212	114	0.5	22	0.1	31	0.1	61	0.3																																					
Dowagiac River	1962	268	255	1.0	78	0.3	82	0.3	95	0.4																																					
Dowagiac River	1963	130	86	0.7	6	0.0	44	0.3	36	0.3																																					



Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #'s Fish		Total CPE		Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin		
							Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	
Lower (continued)																																									
Dowagiac River	1964	336	197	0.6	14	0.0	74	0.2	109	0.3																															
Glenwood Creek	1928	7	23	3.3	23	3.3																																			
Glenwood Creek	1929	33	67	2.0	63	1.9	2	0.1	2	0.1																															
Glenwood Creek	1943	3	2	0.7					2	0.7																															
Glenwood Creek	1947	55	82	1.5	82	1.5																																			
Glenwood Creek	1948	32	18	0.6	18	0.6																																			
Glenwood Creek	1963	20	21	1.1	14	0.7	6	0.3	1	0.1																															
Kimmerlee Creek	1944	10	5	0.5	5	0.5																																			
Lemon Creek	1931	28	8	0.3	7	0.3			1	0.0																															
Love Creek	1930	4	6	1.5	6	1.5																																			
Love Creek	1931	13	15	1.2	14	1.1			1	0.1																															
Love Creek	1939	2	4	2.0	4	2.0																																			
McCoy Creek	1930	2	2	1.0																																					
McCoy Creek	1931	4	12	3.0					4	1.0																															
McCoy Creek	1944	5	0	0.0																																					
McCoy Creek	1945	48	22	0.5	3	0.1			19	0.4																															
McCoy Creek	1946	3	0	0.0																																					
McCoy Creek	1954	45	42	0.9	42	0.9																																			
McCoy Creek	1955	21	33	1.6	32	1.5	1	0.0																																	
McKenzie Creek	1934	17	66	3.9	5	0.3	37	2.2	15	0.9	9	0.5																													
McKenzie Creek	1935	7	8	1.1	8	1.1																																			
McKenzie Creek	1938	5	6	1.2	1	0.2	1	0.2	4	0.8																															
McKenzie Creek	1939	2	3	1.5			3	1.5																																	
McKenzie Creek	1943	14	7	0.5			7	0.5																																	
McKenzie Creek	1944	16	8	0.5			8	0.5																																	
McKenzie Creek	1947	13	9	0.7			7	0.5	2	0.2																															
McKenzie Creek	1948	83	36	0.4			19	0.2	17	0.2																															
McKenzie Creek	1949	10	8	0.8	2	0.2	2	0.2			2	0.2	2	0.2																											
McKenzie Creek	1954	94	135	1.4	4	0.0	13	0.1	118	1.3																															
McKenzie Creek	1955	125	91	0.7			6	0.0	85	0.7																															
McKenzie Creek	1956	26	9	0.4																1	0.0																				
McKenzie Creek	1957	99	87	0.9			40	0.4	47	0.5																															
McKenzie Creek	1958	72	56	0.8			9	0.1	47	0.7																															
McKenzie Creek	1962	2	0	0.0																																					

Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #'s Fish		Total CPE	Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin		
						Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	
Lower (continued)																																								
McKenzie Creek	1963	95	92	1.0			15	0.2	75	0.8														2	0.0															
Osborn Drain	1934	25	19	0.8	19	0.8																																		
Osborn Drain	1948	4	0	0.0																																				
Peavine Creek	1935	3	3	1.0	3	1.0																																		
Pipestone Creek	1933	5	14	2.8	11	2.2	3	0.6																																
Pipestone Creek	1939	15	15	1.0			6	0.4	7	0.5																														
Pipestone Creek	1944	16	0	0.0																																				
Pipestone Creek	1945	1	1	1.0					1	1.0																														
Pipestone Creek	1946	32	17	0.5			1	0.0	16	0.5																														
Pokagon Creek	1934	4	3	0.8			2	0.5	1	0.3																														
Pokagon Creek	1944	19	7	0.4	1	0.1			6	0.3																														
Pokagon Creek	1945	18	24	1.3	3	0.2			21	1.2																														
Pokagon Creek	1948	25	12	0.5	5	0.2	6	0.2	1	0.0																														
Pokagon Creek	1949	6	0	0.0																																				
Pokagon Creek	1954	29	35	1.2	13	0.4	22	0.8																																
Pokagon Creek	1955	35	14	0.4	3	0.1	11	0.3																																
St. Joseph River	1929	1	2	2.0																			2	2.0																
St. Joseph River	1931	1	4	4.0	3	3.0																																		
St. Joseph River	1934	12	1	0.1																																				
St. Joseph River	1946	310	75	0.2													3	0.0	1	0.0			14	26	0.1	3	0.0	3	0.0			1	0.1	5	0.0	18	0.1		2	0.0
Townsend Creek	1933	11	4	0.4	4	0.4																																		
Walton Creek	1930	0.5	1	2.0	1	2.0																																		
Mouth																																								
Hayden Creek	1947	13	6	0.5	2	0.2	4	0.3																																
Ritter Creek	1929	25	22	0.9	22	0.9																																		
Ritter Creek	1930	3	1	0.3	1	0.3																																		
Ritter Creek	1931	4	1	0.3	1	0.3																																		
Ritter Creek	1939	1	1	1.0	1	1.0																																		
Ritter Creek	1947	20	11	0.6	10	0.5	1	0.1																																
Blue Creek	1929	1	2	2.0	2	2.0																																		
Blue Creek	1930	33	50	1.5	50	1.5																																		
Blue Creek	1931	33	63	1.9	61	1.8	2	0.1																																
Blue Creek	1933	27	19	0.7	2	0.1	13	0.5	4	0.1																														

Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #s Fish		Total CPE		Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin			
			Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE				
Mouth (continued)																																										
Blue Creek	1938	13	25	1.9	14	1.1	3	0.2	8	0.6																																
Blue Creek	1944	38	17	0.5			4	0.1	13	0.3																																
Blue Creek	1945	178	160	0.9	53	0.3	52	0.3	55	0.3																																
Blue Creek	1946	128	38	0.3	4	0.0	5	0.0	29	0.2																																
Blue Creek	1948	22	17	0.8	1	0.0	10	0.5	6	0.3																																
Brush Creek	1938	9	4	0.4			4	0.4																																		
Brush Creek	1954	25	28	1.1	28	1.1																																				
Brush Creek	1961	39	54	1.4	31	0.8	19	0.5	4	0.1																																
Brush Creek	1963	39	17	0.4	4	0.1	13	0.3																																		
Brush Creek	1964	98	33	0.3	4	0.0	1	0.0	28	0.3																																
Campbell Creek	1929	24	16	0.7	16	0.7																																				
Campbell Creek	1930	8	3	0.4	3	0.4																																				
Campbell Creek	1938	22	22	1.0	22	1.0																																				
Campbell Creek	1939	13	31	2.4	31	2.4																																				
Campbell Creek	1939	5	2	0.4	1	0.2			1	0.2																																
Campbell Creek	1941	185	69	0.4	28	0.2	37	0.2	4	0.0																																
Campbell Creek	1947	14	3	0.2			2	0.1	1	0.1																																
Campbell Creek	1963	48	26	0.5	20	0.4			6	0.1																																
Campbell Creek	1964	33	15	0.5	1	0.0	1	0.0	13	0.4																																
E. B. Paw Paw	1930	13	1	0.1			1	0.1																																		
E. B. Paw Paw	1931	1	0	0.0																																						
E. B. Paw Paw	1936	40	5	0.1	1	0.0	3	0.1	1	0.0																																
E. B. Paw Paw	1938	10	9	0.9	1	0.1	1	0.1	7	0.7																																
E. B. Paw Paw	1939	8	6	0.8			6	0.8																																		
E. B. Paw Paw	1943	26	17	0.7	1	0.0	1	0.0	15	0.6																																
E. B. Paw Paw	1944	74	71	1.0	60	0.8			11	0.1																																
E. B. Paw Paw	1947	38	2	0.1			2	0.1																																		
E. B. Paw Paw	1961	33	22	0.7	3	0.1			19	0.6																																
E. B. Paw Paw	1963	31	20	0.7	5	0.2	15	0.5																																		
E. B. Paw Paw	1964	72	9	0.1			2	0.0	7	0.1																																
E. B. Paw Paw	1965	33	28	0.9																																						
Lawton Drain	1938	6	0	0.0																																						
Lawton Drain	1939	10	3	0.3	1	0.1			2	0.2																																
Lawton Drain	1941	2	5	2.5					5	2.5																																

Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #s Fish		Total CPE		Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin			
			Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE				
Mouth (continued)																																										
Lawton Drain	1944	11	5	0.5	2	0.2	2	0.2	1	0.1																																
Mattawan Drain	1929	13	2	0.2			2	0.2																																		
Mattawan Drain	1930	8	2	0.3			2	0.3																																		
Mattawan Drain	1938	12	3	0.3	1	0.1	2	0.2																																		
Mattawan Drain	1939	4	22	5.5	22	5.5																																				
Mattawan Drain	1941	2	8	4.0	8	4.0																																				
Mentha Drain	1934	13	21	1.6	3	0.2			18	1.4																																
Mentha Drain	1943	14	2	0.1			2	0.1																																		
Mill Creek	1930	3	5	1.7	1	0.3	2	0.7																																		
Mill Creek	1930	2	15	7.5	5	2.5	5	2.5	5	2.5																																
Mill Creek	1931	6	16	2.7	16	2.7																																				
Mill Creek	1944	9	1	0.1					1	0.1																																
Olson Creek	1964	17	1	0.1					1	0.1																																
Paw Paw River	1929	19	42	2.2					7	0.4																																
Paw Paw River	1931	35	32	0.9																																						
Paw Paw River	1938	6	0	0.0																																						
Paw Paw River	1939	73	25	0.3	2	0.0	5	0.1	18	0.2																																
Paw Paw River	1946	22	5	0.2			4	0.2																																		
Paw Paw River	1957	5	0	0.0																																						
Paw Paw River	1961	8	4	0.5																																						
S. B. Paw Paw	1929	3	4	1.3	4	1.3																																				
S. B. Paw Paw	1930	11	8	0.7	3	0.3	2	0.2	3	0.3																																
S. B. Paw Paw	1936	17	6	0.4			5	0.3	1	0.1																																
S. B. Paw Paw	1939	22	15	0.7	2	0.1	2	0.1	11	0.5																																
S. B. Paw Paw	1941	12	24	2.0			19	1.6	5	0.4																																
S. B. Paw Paw	1943	25	3	0.1					3	0.1																																
S. B. Paw Paw	1944	43	42	1.0	29	0.7	8	0.2	5	0.1																																
St. Joseph River	1943	10	7	0.7																																						
St. Joseph River	1943	3	2	0.7																																						
St. Joseph River	1943	10	1	0.1																																						
St. Joseph River	1943	17	1	0.1																																						
St. Joseph River	1946	7	0	0.0																																						
St. Joseph River	1954	6	0	0.0																																						
St. Joseph River	1962	9	11	1.2																																						

Appendix 2.–Continued.

Segment and stream	Year	Angler hours	Total #'s Fish		Total CPE	Brook Trout		Brown Trout		Rainbow Trout		Smallmouth Bass		Largemouth Bass		Bluegill		Pumpkinseed		Rock Bass		Black Crappie		Yellow Perch		Walleye		Northern Pike		Bullhead		Carp		Sucker		Channel Catfish		Bowfin	
			Catch	CPE		Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE	Catch	CPE		
Mouth (continued)																																							
St. Joseph River	1962	16	5	0.3																																			
St. Joseph River	1962	25	16	0.6																																			
W. B. Paw Paw	1939	23	3	0.1						3	0.1																												
W. B. Paw Paw	1947	33	5	0.2	1	0.0	4	0.1																															
W. B. Paw Paw	1957	6	6	1.0						6	1.0																												
W. B. Paw Paw	1963	11	4	0.4	2	0.2	2	0.2																															