

Survey Report for Pere Marquette River, 2011

Waterbody	Pere Marquette River
Year	2011
Sites	PM396: M37 to Gleason's Landing PM397: Gleason's Landing to Rainbow Rapids PM398: Rainbow Rapids to Reek Road PM399: Reek Road to old US-31
Survey period	April 1 to September 30
Survey design	-roving/access point
Count methods/modes	-roving/progressive
Clerk time	Two clerks, half-time
Survey purpose	Characterize general effort and catch aspects of the fishery

Notes

Survey followed a progressive roving-access point design. Funding was provided through Fisheries Division. Two clerks worked half-time to collect angling survey data. One weekend day and 1 or 2 week days were randomly selected for sampling during each week of the survey season. No holidays were sampled. Clerks followed a randomized count and interview schedule. One 10-hr shift was worked each sampling day. The river was divided into 4 sections and each section was sampled per day. One count of boats/shore anglers was made per day. Survey period for both counts and interviews was April 1 to September 30. Months were estimated separately.

Table –Work shifts used to estimate catch and effort at Pere Marquette River, April 1 to September 30, 2011

	Year	Month	Hr/day	Shift
1	2011	April	10	6AM – 4:30 PM
2	2011	May	10	6AM – 4:30 PM
3	2011	June	10	6AM – 4:30 PM
4	2011	July	10	6AM – 4:30 PM
5	2011	August	10	6AM – 4:30 PM
6	2011	Sept	10	6AM – 4:30 PM

Estimated harvest, catch per hour, and fishing pressure for Site 396 - boat mode. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept.	Season
HARVEST								
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TOTAL HARVEST	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0412	194	112	0	0	0	0	306
	0.0490	248	178	0	0	0	0	306
Brown trout	0.0532	194	90	111	0	0	0	395
	0.0800	248	166	NAN	0	0	0	537
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1422	0	0	0	0	0	1,056	1,056
	0.2989	0	0	0	0	0	2,112	2,112
TOTAL RELEASED	0.2366	388	202	111	0	0	1,056	1,757
	0.3335	351	243	NAN	0	0	2,112	2,200
TOTAL CATCH	0.2366	388	202	111	0	0	1,056	1,757
	0.3335	351	243	NAN	0	0	2,112	2,200
ANGLER HOURS		720	975	690	0	0	5,040	7,425
		588	970	NAN	0	0	3,761	4,801
ANGLER TRIPS		156	211	149	0	0	1,090	1,605
		129	212	NAN	0	0	821	1,045

Estimated harvest, catch per hour, and fishing pressure for Site 396 – shore mode. Two standard errors are given are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.0051	0	0	0	0	0	293	293
	0.0092	0	0	0	0	0	482	482
TOTAL HARVEST	0.0051	0	0	0	0	0	293	293
	0.0092	0	0	0	0	0	482	482
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0727	2,021	39	0	89	166	1,870	4,185
	0.1638	NAN	91	0	NAN	288	3,615	8,867
Brown trout	0.0777	1,768	354	0	284	102	1,964	4,474
	0.1518	NAN	357	0	NAN	239	3,623	8,039
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0.0143	0	0	0	0	0	825	825
	0.0300	0	0	0	0	0	1,607	1,607
Chinook salmon	0.2919	0	0	0	0	0	16,810	16,810
	0.3349	0	0	0	0	0	14,316	14,316
TOTAL RELEASED	0.4566	3,789	393	0	373	269	21,469	26,294
	0.5135	NAN	368	0	NAN	374	15,288	21,586
TOTAL CATCH	0.4617	3,789	393	0	373	269	21,762	26,587
	0.5162	NAN	368	0	NAN	374	15,295	21,591
ANGLER HOURS		7,070	1,380	540	760	640	47,200	57,590
		NAN	522	NAN	NAN	554	33,840	44,265
ANGLER TRIPS		2,303	457	217	317	512	13,290	17,097
		NAN	267	NAN	NAN	488	12,884	15,924

Estimated harvest, catch per hour, and fishing pressure for Site 397 – boat mode. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0.0030	10	0	0	0	0	0	10
	0.0141	NAN	0	0	0	0	0	39
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TOTAL HARVEST	0.0030	10	0	0	0	0	0	10
	0.0141	NAN	0	0	0	0	0	39
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0599	89	0	0	0	107	0	195
	0.2218	NAN	0	0	0	NAN	0	555
Brown trout	0.0749	44	0	200	0	0	0	244
	0.3078	NAN	0	NAN	0	0	0	819
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TOTAL RELEASED	0.1348	133	0	200	0	107	0	440
	0.4544	NAN	0	NAN	0	NAN	0	1,051
TOTAL CATCH	0.1378	143	0	200	0	107	0	450
	0.4596	NAN	0	NAN	0	NAN	0	1,052
ANGLER HOURS		1,245	0	450	0	160	1,408	3,263
		NAN	0	NAN	0	NAN	NAN	7,757
ANGLER TRIPS		176	0	64	0	23	199	461
		NAN	0	NAN	0	NAN	NAN	1,095

Estimated harvest, catch per hour, and fishing pressure for Site 397 – shore mode. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0.0019	35	0	0	0	0	0	35
	0.0077	NAN	0	0	0	0	0	140
Brown trout	0.0023	0	43	0	0	0	0	43
	0.0069	0	124	0	0	0	0	124
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.0360	0	0	0	0	0	662	662
	0.0432	0	0	0	0	0	710	710
TOTAL HARVEST	0.0402	35	43	0	0	0	662	740
	0.0454	NAN	124	0	0	0	710	734
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0168	70	240	0	0	0	0	310
	0.0550	NAN	NAN	0	0	0	0	998
Brown trout	0.0538	179	688	0	0	0	124	990
	0.1578	NAN	NAN	0	0	0	248	2,853
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.0632	0	0	0	0	0	1,161	1,161
	0.0657	0	0	0	0	0	1,034	1,034
TOTAL RELEASED	0.1338	249	927	0	0	0	1,286	2,461
	0.2283	NAN	NAN	0	0	0	1,063	3,984
TOTAL CATCH	0.1741	284	970	0	0	0	1,947	3,201
	0.2394	NAN	NAN	0	0	0	1,279	4,052
ANGLER HOURS		830	370	0	220	1,067	15,904	18,391
		NAN	336	0	NAN	1,823	9,085	9,887
ANGLER TRIPS		195	87	0	52	251	3,742	4,327
		NAN	90	0	NAN	454	2,648	2,807

Estimated harvest, catch per hour, and fishing pressure for Site 398 – shore mode. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0.0020	140	0	0	0	13	0	153
	0.0034	247	0	0	0	27	0	248
Brown trout	0.0044	0	179	0	114	38	0	332
	0.0103	0	NAN	0	259	81	0	767
Common white sucker	0.0339	2,560	0	0	0	0	0	2,560
	0.0694	5,120	0	0	0	0	0	5,120
Redhorse	0.0007	56	0	0	0	0	0	56
	0.0015	112	0	0	0	0	0	112
Chinook salmon	0.0918	0	0	0	0	203	6,733	6,935
	0.0748	0	0	0	0	244	4,730	4,736
TOTAL HARVEST	0.1329	2,756	179	0	114	253	6,733	10,036
	0.1101	5,127	NAN	0	259	259	4,730	7,022
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0154	109	0	400	413	89	156	1,167
	0.0240	223	0	NAN	540	170	312	1,740
Brown trout	0.0399	84	0	726	896	810	500	3,016
	0.0623	167	0	NAN	885	NAN	787	4,513
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1129	0	0	0	0	25	8,502	8,528
	0.1078	0	0	0	0	44	7,213	7,213
TOTAL RELEASED	0.1683	193	0	1,126	1,309	925	9,159	12,711
	0.1448	279	0	NAN	1,037	NAN	7,262	9,373
TOTAL CATCH	0.3011	2,949	179	1,126	1,424	1,178	15,891	22,747
	0.2047	5,135	NAN	NAN	1,069	NAN	8,667	11,712
ANGLER HOURS		4,400	1,797	840	1,103	2,720	64,683	75,543
		4,462	NAN	941	273	1,418	32,398	33,528
ANGLER TRIPS		1,558	526	250	449	807	15,798	19,387
		1,624	NAN	284	184	487	9,323	9,713

Estimated harvest, catch per hour, and fishing pressure for Site 399 – boat mode. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1128	0	0	0	0	0	493	493
	0.1722	0	0	0	0	0	709	709
TOTAL HARVEST	0.1128	0	0	0	0	0	493	493
	0.1722	0	0	0	0	0	709	709
RELEASED								
Northern pike	0.0106	0	0	0	46	0	0	46
	0.0104	0	0	0	39	0	0	39
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0.0060	21	0	5	0	0	0	26
	0.0203	NAN	0	NAN	0	0	0	88
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
TOTAL RELEASED	0.0166	21	0	5	46	0	0	72
	0.0235	NAN	0	NAN	39	0	0	96
TOTAL CATCH	0.1294	21	0	5	46	0	493	566
	0.1766	NAN	0	NAN	39	0	709	715
ANGLER HOURS		213	0	53	220	0	3,883	4,369
		NAN	0	NAN	180	0	2,043	2,231
ANGLER TRIPS		41	0	10	88	0	493	632
		NAN	0	NAN	158	0	264	351

Estimated harvest, catch per hour, and fishing pressure for Site 399 – shore mode. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0.0087	88	0	0	0	0	0	88
	0.0140	137	0	0	0	0	0	137
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1462	0	0	0	0	53	1,426	1,479
	0.1791	0	0	0	0	106	1,703	1,706
TOTAL HARVEST	0.1549	88	0	0	0	53	1,426	1,567
	0.1809	137	0	0	0	106	1,703	1,711
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0.0109	0	0	110	0	0	0	110
	0.0437	0	0	NAN	0	0	0	440
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0.0058	59	0	0	0	0	0	59
	0.0118	117	0	0	0	0	0	117
Redhorse	0.0058	59	0	0	0	0	0	59
	0.0118	117	0	0	0	0	0	117
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1691	0	0	0	0	0	1,711	1,711
	0.2137	0	0	0	0	0	2,043	2,043
TOTAL RELEASED	0.1916	117	0	110	0	0	1,711	1,939
	0.2218	166	0	NAN	0	0	2,043	2,096
TOTAL CATCH	0.3465	205	0	110	0	53	3,137	3,505
	0.3034	215	0	NAN	0	106	2,659	2,706
ANGLER HOURS		987	327	513	357	1,200	6,735	10,118
		1,286	NAN	453	551	1,133	3,515	4,184
ANGLER TRIPS		853	173	237	195	677	3,843	5,977
		1,041	NAN	326	370	977	4,237	4,551

Estimated harvest, catch per hour, and fishing pressure for Site 396 – boat and shore modes combined. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.0045	0	0	0	0	0	293	293
	0.0081	0	0	0	0	0	482	482
TOTAL HARVEST	0.0045	0	0	0	0	0	293	293
	0.0081	0	0	0	0	0	482	482
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0691	2,215	151	0	89	166	1,870	4,491
	0.1554	NAN	200	0	NAN	288	3,615	9,581
Brown trout	0.0749	1,962	444	111	284	102	1,964	4,868
	0.1448	NAN	394	NAN	NAN	239	3,623	8,742
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0.0127	0	0	0	0	0	825	825
	0.0263	0	0	0	0	0	1,607	1,607
Chinook salmon	0.2748	0	0	0	0	0	17,866	17,866
	0.2970	0	0	0	0	0	14,471	14,471
TOTAL RELEASED	0.4315	4,177	595	111	373	269	22,525	28,051
	0.4673	NAN	442	NAN	NAN	374	15,433	22,805
TOTAL CATCH	0.4360	4,177	595	111	373	269	22,818	28,344
	0.4695	NAN	442	NAN	NAN	374	15,440	22,810
ANGLER HOURS		7,790	2,355	1,230	760	640	52,240	65,015
		NAN	1,101	NAN	NAN	554	34,048	46,532
ANGLER TRIPS		2,459	668	366	317	512	14,380	18,702
		NAN	341	NAN	NAN	488	12,910	16,356

Estimated harvest, catch per hour, and fishing pressure for Site 397 – boat and shore modes combined. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0.0021	45	0	0	0	0	0	45
	0.0107	NAN	0	0	0	0	0	179
Brown trout	0.0020	0	43	0	0	0	0	43
	0.0086	0	124	0	0	0	0	124
Common white sucker	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.0306	0	0	0	0	0	662	662
	0.1041	0	0	0	0	0	710	710
TOTAL HARVEST	0.0346	45	43	0	0	0	662	750
	0.1170	NAN	124	0	0	0	710	743
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Rainbow trout	0.0233	159	240	0	0	107	0	505
	0.0942	NAN	NAN	0	0	NAN	0	1,226
Brown trout	0.0570	223	688	200	0	0	124	1,235
	0.2308	NAN	NAN	NAN	0	0	248	3,010
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.0536	0	0	0	0	0	1,161	1,161
	0.1797	0	0	0	0	0	1,034	1,034
TOTAL RELEASED	0.1340	382	927	200	0	107	1,286	2,901
	0.4751	NAN	NAN	NAN	0	NAN	1,063	4,247
TOTAL CATCH	0.1686	427	970	200	0	107	1,947	3,651
	0.5799	NAN	NAN	NAN	0	NAN	1,279	4,312
ANGLER HOURS		2,075	370	450	220	1,227	17,312	21,654
		NAN	336	NAN	NAN	NAN	NAN	69,946
ANGLER TRIPS		371	87	64	52	274	3,941	4,788
		NAN	90	NAN	NAN	NAN	NAN	15,875

Estimated harvest, catch per hour, and fishing pressure for Site 399 – boat and shore modes combined. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Common white sucker	0.0061	88	0	0	0	0	0	88
	0.0099	137	0	0	0	0	0	137
Redhorse	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1361	0	0	0	0	53	1,919	1,972
	0.1432	0	0	0	0	106	1,844	1,847
TOTAL HARVEST	0.1422	88	0	0	0	53	1,919	2,060
	0.1448	137	0	0	0	106	1,844	1,852
RELEASED								
Northern pike	0.0032	0	0	0	46	0	0	46
	0.0031	0	0	0	39	0	0	39
Smallmouth bass	0.0076	0	0	110	0	0	0	110
	0.0306	0	0	NAN	0	0	0	440
Rainbow trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Brown trout	0.0059	80	0	5	0	0	0	85
	0.0223	NAN	0	NAN	0	0	0	321
Redhorse	0.0040	59	0	0	0	0	0	59
	0.0083	117	0	0	0	0	0	117
Brook trout	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Chinook salmon	0.1181	0	0	0	0	0	1,711	1,711
	0.1519	0	0	0	0	0	2,043	2,043
TOTAL RELEASED	0.1388	139	0	115	46	0	1,711	2,011
	0.1636	NAN	0	NAN	39	0	2,043	2,167
TOTAL CATCH	0.2810	227	0	115	46	53	3,630	4,071
	0.2383	NAN	0	NAN	39	106	2,752	2,851
ANGLER HOURS		1,200	327	567	577	1,200	10,617	14,487
		NAN	NAN	NAN	579	1,133	4,065	6,931
ANGLER TRIPS		894	173	247	283	677	4,336	6,610
		NAN	NAN	NAN	403	977	4,245	5,779

Estimated harvest, catch per hour, and fishing pressure for all sites combined – shore mode only. Two standard errors are given below estimates.

Species	C/H	April	May	June	July	August	Sept	Season
HARVEST								
Rainbow trout	0.0012	175	0	0	0	13	0	188
	0.0044	NAN	0	0	0	27	0	702
Brown trout	0.0023	0	222	0	114	38	0	375
	0.0058	0	NAN	0	259	81	0	930
Common white sucker	0.0164	2,648	0	0	0	0	0	2,648
	0.0326	5,122	0	0	0	0	0	5,122
Redhorse	0.0003	56	0	0	0	0	0	56
	0.0007	112	0	0	0	0	0	112
Chinook salmon	0.0580	0	0	0	0	255	9,114	9,369
	0.0413	0	0	0	0	266	5,100	5,107
TOTAL HARVEST	0.0782	2,879	222	0	114	306	9,114	12,636
	0.0860	NAN	NAN	0	259	279	5,100	12,633
RELEASED								
Northern pike	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Smallmouth bass	0.0007	0	0	110	0	0	0	110
	0.0027	0	0	NAN	0	0	0	440
Rainbow trout	0.0350	2,200	279	400	502	255	2,026	5,662
	0.0635	NAN	NAN	NAN	NAN	335	3,628	9,928
Brown trout	0.0528	2,089	1,042	726	1,181	913	2,589	8,539
	0.0784	NAN	NAN	NAN	NAN	NAN	3,715	12,044
Redhorse	0.0004	59	0	0	0	0	0	59
	0.0007	117	0	0	0	0	0	117
Brook trout	0.0051	0	0	0	0	0	825	825
	0.0102	0	0	0	0	0	1,607	1,607
Chinook salmon	0.1745	0	0	0	0	25	28,185	28,211
	0.1283	0	0	0	0	44	16,193	16,193
TOTAL RELEASED	0.2685	4,348	1,321	1,236	1,683	1,193	33,625	43,405
	0.2063	NAN	NAN	NAN	NAN	NAN	17,081	26,733
TOTAL CATCH	0.3467	7,227	1,543	1,236	1,797	1,500	42,738	56,041
	0.2425	NAN	NAN	NAN	NAN	NAN	17,826	29,568
ANGLER HOURS		13,287	3,873	1,893	2,440	5,627	134,521	161,641
		NAN	NAN	NAN	NAN	2,631	47,850	74,255
ANGLER TRIPS		4,910	1,243	704	1,013	2,246	36,672	46,788
		NAN	NAN	NAN	NAN	1,279	16,670	26,726

