

# 2013 Sault Tribe Harvest Summary

Inland Fish and Wildlife Department



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## ***Introduction***

In 2013, Sault Tribe issued approximately 51,000 individual permits for hunting, fishing, gathering, and trapping within the 1836 Ceded Territory to 3,789 tribal members. The Sault Ste. Marie Tribe of Chippewa Indians maintains mandatory harvest reporting requirements for all members who exercise the Tribe's treaty rights. At the time when this report was in development, the Inland Fish and Wildlife Department had received 2,102 harvest reports.

## ***2013 Inland Waters Fish Harvest***

In 2013, Sault Tribe issued 3,789 Inland Fishing Licenses. IFWD has received harvest reports from 28% (2,102) of those license holders. Thirty-nine percent of those reported fishing effort in 2013. When developing harvest estimates IFWD assumed the entire 39% who reported effort had equal effort for each individual species. It is also likely that some of the reported harvest was actually Great Lakes harvest.

**Table 1. 2013 Inland Fish Harvest**

<b>Species</b>	<b>Reported Harvest</b>	<b>Mean Harvest</b>	<b>Standard Error</b>	<b>Estimated Harvest</b>	<b>Confidence Interval (+/-)</b>
<b>Brook Trout</b>	3,835	4.68	0.85	6,913	1,249.3
<b>Brown Trout</b>	266	0.32	0.07	480	105.0
<b>Rainbow Trout</b>	857	1.05	0.14	1,545	213.7
<b>Chinook Salmon</b>	600	0.73	0.16	1,082	238.7
<b>Coho Salmon</b>	398	0.49	0.14	718	212.5
<b>Pink Salmon</b>	82	0.10	0.05	148	68.8
<b>Northern Pike</b>	2,738	3.34	0.35	4,936	512.9
<b>Muskellunge</b>	258	0.31	0.08	465	123.7
<b>Walleye</b>	6,034	7.36	0.70	10,877	1,035.8
<b>Perch</b>	32,691	39.87	6.45	58,928	9,534.9
<b>Bluegill</b>	16,843	20.54	2.28	30,361	3,376.6
<b>Largemouth Bass</b>	710	0.87	0.15	1,280	214.7
<b>Smallmouth Bass</b>	1,586	1.93	0.26	2,859	388.2
<b>Sucker</b>	475	0.58	0.12	857	182.2
<b>Smelt*</b>	94	0.11	0.02	170	30.9

\*Smelt reported in gallons

## 2013 Small Game Harvest

In 2013, Sault Tribe issued 3,789 small game licenses with 42% percent of those license holders reporting. Hunter participation rates varied widely between target species. Thirty-five percent of license holders reported hunting ruffed grouse, nine percent reported hunting snowshoe hare, eleven percent hunting squirrel, eight percent reported hunting cottontail rabbit, and two percent reported hunting sharp-tailed grouse and pheasant.

Table 2. 2013 Small Game Harvest

Species	Reported Harvest	Mean Harvest	Standard Error	Estimated Harvest	Confidence Interval (+/-)
Ruffed Grouse	3415	4.65	0.27	6156	363.3
Sharp-tailed Grouse	33	0.83	0.01	60	0.9
Pheasant	118	3.93	0.06	213	3.0
Quail	14	0.74	0.01	26	0.3
Squirrel	1349	5.76	0.21	2432	87.4
Cottontail Rabbit	551	3.26	0.11	994	33.5
Snowshoe Hare	701	3.71	0.13	1264	44.5

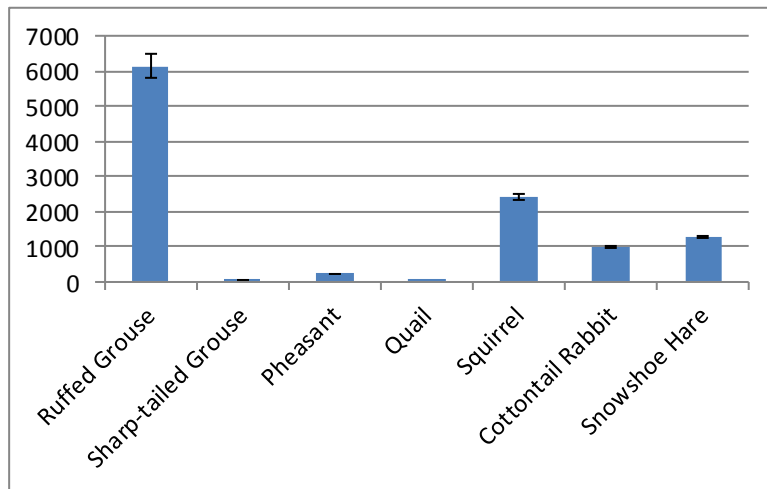


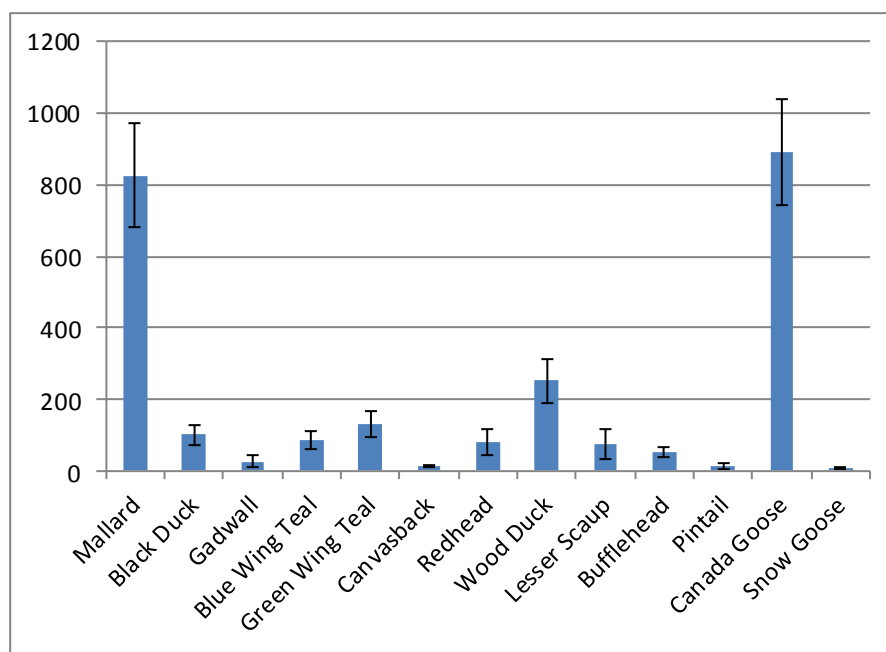
Figure 1. 2013 Small Game Harvest

## 2013 Waterfowl Harvest

At the time of this report, we received 2,102 harvest reports back from hunters. Of those reporting, 7% hunted waterfowl during the 2013 hunting season. Table 3 summarizes reported and estimated harvest for major species.

Table 3. 2013 Waterfowl Harvest

Species	Reported Harvest	Mean Harvest	Standard Error	Estimated Harvest	Confidence Interval (+/-)
Mallard	458	4.49	0.79	826	145.8
Black Duck	56	1.51	0.41	101	27.1
Gadwall	14	0.74	0.49	26	16.7
Blue Wing Teal	47	1.34	0.39	85	24.5
Green Wing Teal	72	2.12	0.60	130	37.0
Canvasback	7	0.39	0.16	13	5.3
Redhead	44	1.76	0.86	80	38.6
Wood Duck	139	2.78	0.68	251	61.4
Lesser Scaup	41	2.41	1.38	74	42.3
Bufflehead	28	1.12	0.31	51	14.1
Pintail	7	0.44	0.32	13	9.1
Canada Goose	495	5.05	0.84	893	149.0
Snow Goose	4	0.18	0.08	8	3.3

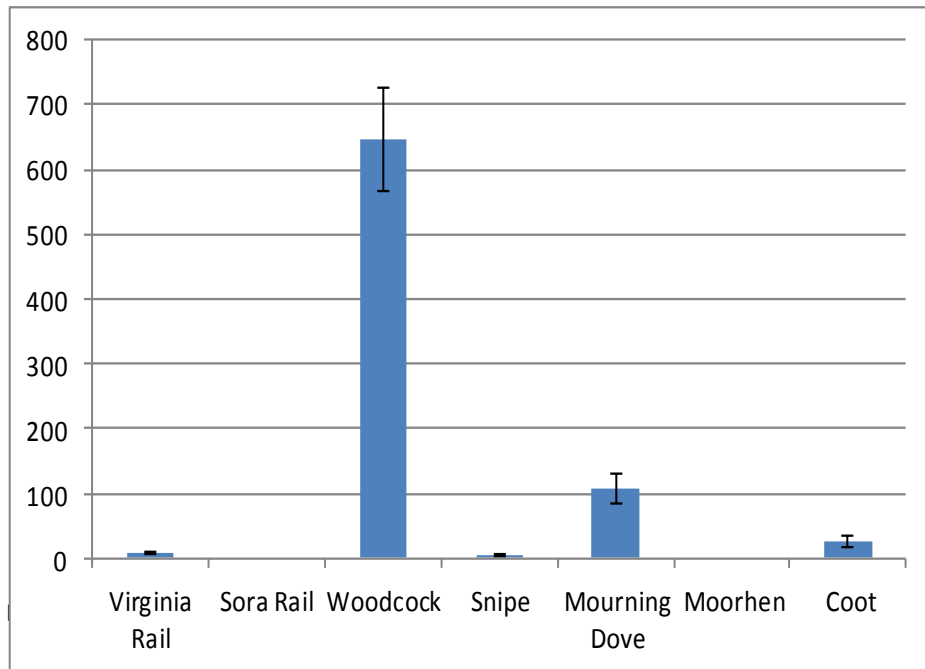


## 2013 Migratory Bird Harvest

At the time of this report, we received 2,102 harvest reports back from hunters. Of those reporting, 6% hunted waterfowl during the 2013 hunting season. Table 4 summarizes reported and estimated harvest for major species.

Table 4. 2013 Migratory Bird Harvest

Species	Reported Harvest	Mean Harvest	Standard Error	Estimated Harvest	Confidence Interval (+/-)
Virginia Rail	3	1.50	0.50	6	1.8
Sora Rail	-	-	-	-	-
Woodcock	358	3.31	0.41	646	79.8
Snipe	2	0.67	0.33	4	1.8
Mourning Dove	59	3.93	0.84	107	22.8
Moorhen	-	-	-	-	-
Coot	14	4.67	1.86	25	10.0



## 2013 Furbearer Harvest

In 2013, Sault Tribe members have relatively low participation (7.8%) in furbearer harvest compared to other areas such as small game hunting or deer hunting.

Table 5. 2013 Spring and Fall Turkey Harvest

	Reported Harvest	Mean	Standard Error	Estimated Harvest	Confidence Interval (+/-)
Spring	122	0.36	0.03	220	19.9
Fall	95	0.33	0.03	172	17.7

## 2013 Furbearer Harvest

In 2013, Sault Tribe members have relatively low participation (7.8%) in furbearer harvest compared to other areas such as small game hunting or deer hunting.

Table 6. 2013 Furbearer Harvest

Species	Reported Harvest	Mean Harvest	Standard Error	Estimated Harvest	Confidence Interval (+/-)
<b>Beaver</b>	194	1.18	0.25	350	75.2
<b>Muskrat</b>	760	4.61	1.48	1370	440.4
<b>Mink</b>	87	0.53	0.20	157	60.8
<b>Red Fox</b>	13	23.43	0.03	23	9.6
<b>Gray Fox</b>	4	7.21	0.02	7	7.2
<b>Coyote</b>	298	1.81	0.52	538	154.3
<b>Skunk</b>	73	0.44	0.20	132	60.2
<b>Raccoon</b>	272	1.65	0.40	491	119.1

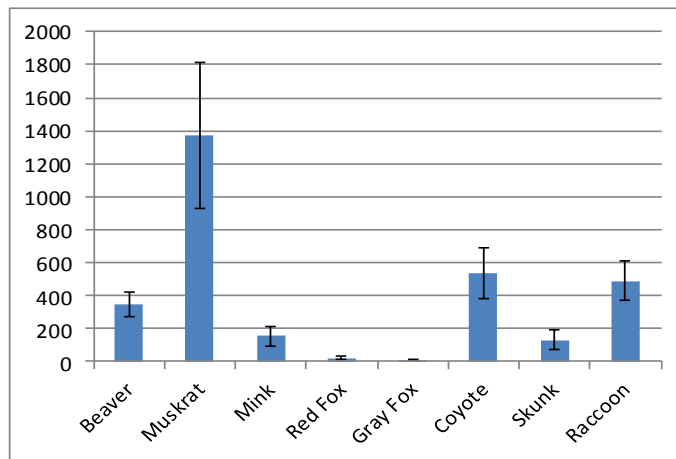


Figure 4. 2013 Furbearer Harvest

Table 7. 2013 Sault Tribe Mandatory Registration Harvest

Species	Registered Harvest
<b>Marten</b>	77
<b>Fisher</b>	38
<b>Bobcat</b>	11
<b>Otter</b>	22

## 2013 Bear Harvest

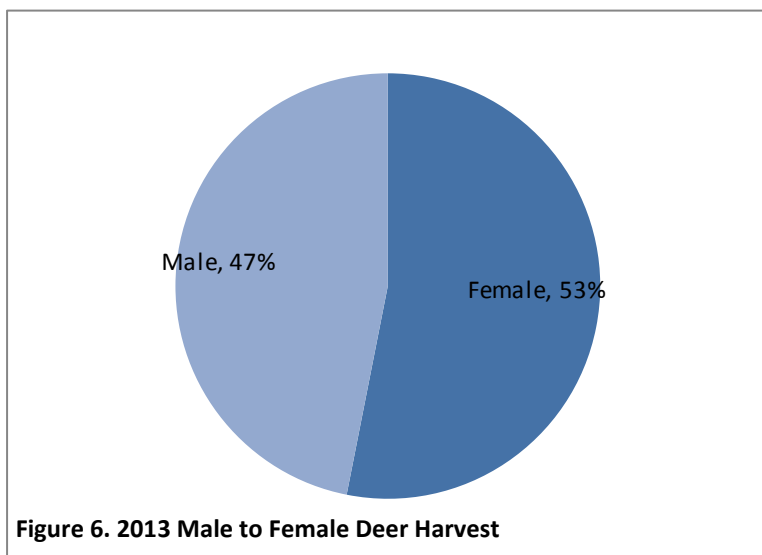
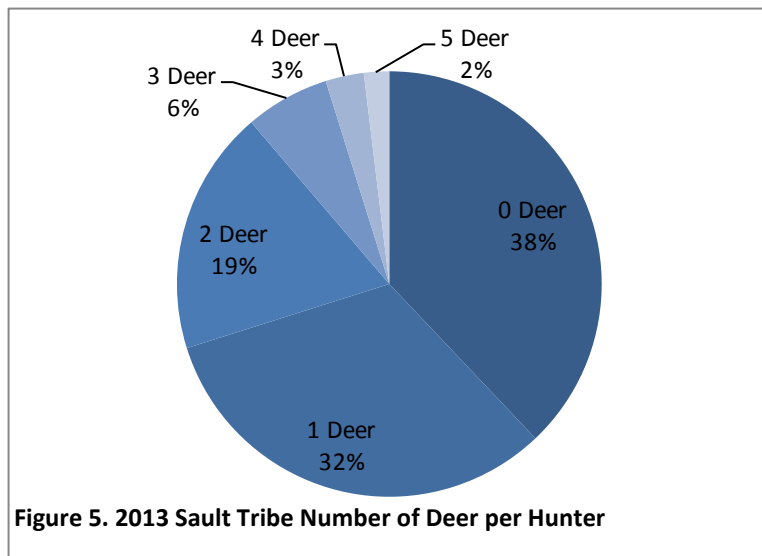
Table 8. 2013 Bear Harvest

BMU	Permits Issued	Total Harvest
<b>Baraga</b>	18	1
<b>Drummond</b>	1	0
<b>Gwinn</b>	36	7
<b>Newberry</b>	113	15
<b>Baldwin</b>	10	4
<b>Gladwin</b>	2	0
<b>Red Oak</b>	53	7

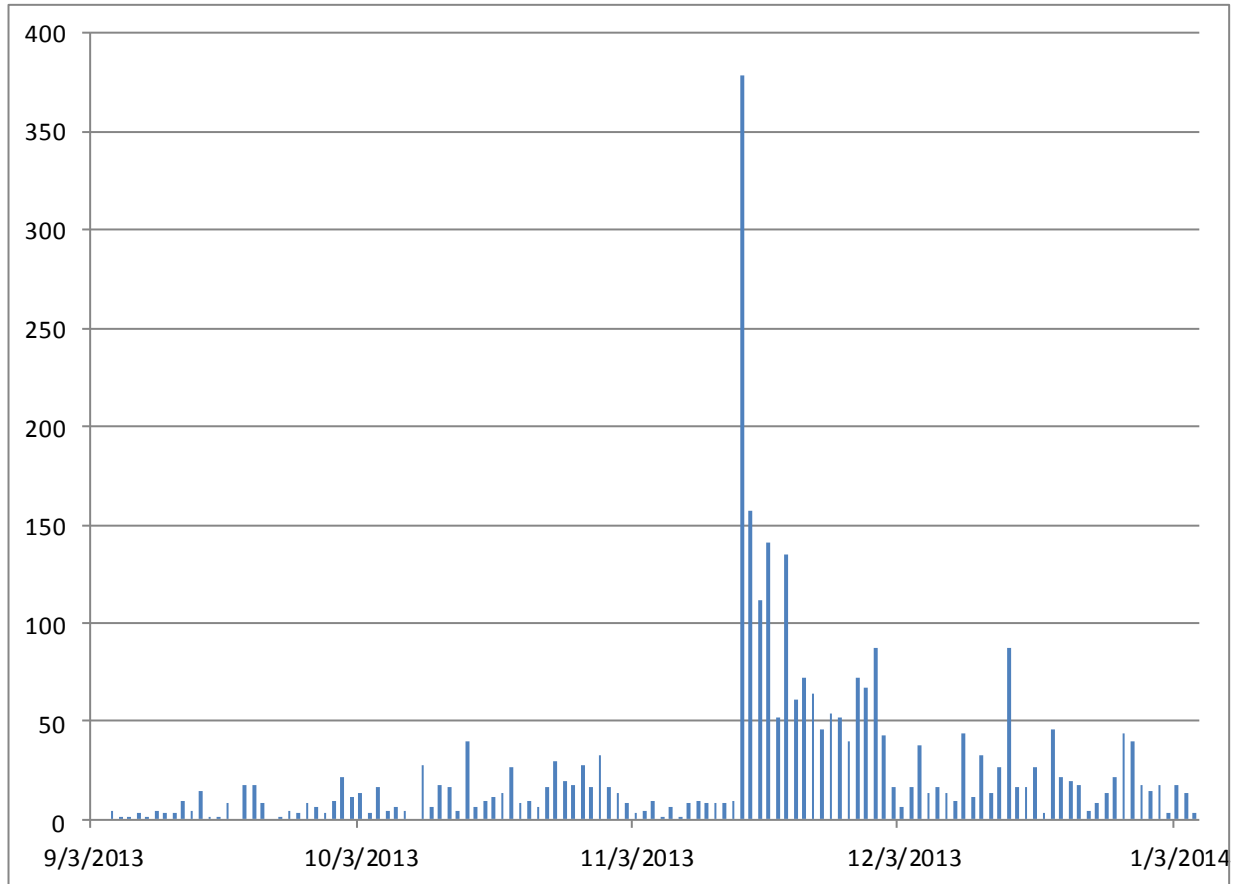
## Whitetail Deer

Sault Tribe issued 3,789 deer licenses in 2013. At the time that this report was developed, IFWD had received 2,102 harvest reports back or approximately 55 percent. Eighty-one percent (1,714) of those reporting actually hunted deer. The total estimated harvest for 2013 is 3,090 (+/-88) deer.

This estimate is based on a mean harvest per hunter of 1.01 with a standard error of 0.028. Actual harvest per hunter varies from 0 to 5 deer. While all members who received a harvest permit for deer receive five harvest tags, very few hunters actually harvested five deer (2% or 62 hunters) or even four deer (3% or 92 hunters). Approximately 38% (1,166) of hunters were unsuccessful in their hunting efforts, while 32% (982) harvested a single deer, 19% (583 hunters) harvested two deer, and six percent (184 hunters) harvested three deer.



Fifty-five percent of the 2013 deer harvest took place in the month of November. Harvest in October and December accounted for 15% and 23% respectively. September and January harvest accounted for 7%. Much of the deer harvest took place in the first two weeks after the quiet period. The geographic distribution of Sault Tribe's 2013 harvest by county is listed in Table 8.



**Figure 7. 2013 Sault Tribe Deer Harvest per Day**



**Table 9. 2013 Sault Tribe Deer Harvest per County**

<b>County</b>	<b>Entered Harvest</b>	<b>% Harvest</b>	<b>Estimated Harvest</b>	<b>Estimated Hunters</b>	<b>Deer per Hunter</b>
<b>Alger</b>	85	4.6%	155	166	0.94
<b>Alpena</b>	1	0.1%	2	2	0.97
<b>Antrim</b>	5	0.3%	9	13	0.69
<b>Benzie</b>	8	0.4%	15	19	0.77
<b>Charlevoix</b>	9	0.5%	16	24	0.67
<b>Cheboygan</b>	194	10.4%	354	262	1.35
<b>Chippewa</b>	312	16.7%	569	633	0.90
<b>Clare</b>	4	0.2%	7	13	0.55
<b>Crawford</b>	8	0.4%	15	8	1.94
<b>Delta</b>	193	10.4%	352	243	1.45
<b>Emmet</b>	44	2.4%	80	77	1.04
<b>Grand Traverse</b>	15	0.8%	27	24	1.12
<b>Isabella</b>	4	0.2%	7	8	0.97
<b>Kalkaska</b>	23	1.2%	42	21	2.03
<b>Kent</b>	4	0.2%	7	4	1.94
<b>Lake</b>	11	0.6%	20	24	0.82
<b>Leelanau</b>	2	0.1%	4	4	0.97
<b>Luce</b>	100	5.4%	182	177	1.03
<b>Mackinac</b>	397	21.3%	724	719	1.01
<b>Manistee</b>	12	0.6%	22	21	1.06
<b>Marquette</b>	20	1.1%	36	58	0.62
<b>Mason</b>	32	1.7%	58	26	2.21
<b>Mecosta</b>	24	1.3%	44	28	1.55
<b>Missaukee</b>	11	0.6%	20	17	1.18
<b>Montcalm</b>	6	0.3%	11	19	0.58
<b>Montmorency</b>	7	0.4%	13	19	0.68
<b>Muskegon</b>	0	0.0%	0	6	0.00
<b>Newaygo</b>	30	1.6%	55	38	1.45
<b>Oceana</b>	14	0.8%	26	17	1.51
<b>Osceola</b>	6	0.3%	11	8	1.45
<b>Oscoda</b>	3	0.2%	5	4	1.45
<b>Otsego</b>	12	0.6%	22	21	1.06
<b>Ottawa</b>	2	0.1%	4	6	0.65
<b>Presque Isle</b>	27	1.4%	49	34	1.45
<b>Roscommon</b>	7	0.4%	13	15	0.85
<b>Schoolcraft</b>	215	11.5%	392	292	1.34
<b>Wexford</b>	16	0.9%	29	19	1.55