

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
WILDLIFE DIVISION
LANSING, MICHIGAN 48909

Report No. 3092
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BOBCAT SURVEY - 1987-88

by

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Introduction

In order to allow export of bobcat (*Felis rufus*) pelts under the Convention on International Trade in Endangered Species (CITES) the Fish and Wildlife Service compiles data on the harvest and status of bobcats. This documentation is necessary to verify the stability of populations and to allow continued harvest and exportation of pelts. This is the eighth consecutive year of the bobcat survey in Michigan (Cooley et al. 1981, 1982, 1983, 1984, 1985, 1986, 1987).

During the winter of 1987-88, the Wildlife Division required trappers and hunters to submit bobcat skulls to the Department of Natural Resources for examination. This allowed Division personnel to age and sex the harvested bobcats by canine tooth examination. This information is summarized for bobcats harvested in the 2 northern Regions (Appendices I and II) and bobcats harvested from unspecified areas (Appendix III).

Materials and Methods

The lower jaw was removed from each skull and a lower canine was extracted for examination. Measuring the maximum root width and thickness of the canine allowed for sex determination (Friedrich et al. 1983) and age was estimated by cementum layer counts (Crowe 1975).

Results and Discussion

Region I

The number of samples collected this year was down 25% from last year. It appears the harvest was down by approximately the same amount. The sex ratio of bobcats examined from Region I (Table 1) was 122:100 (173:142) males to females. This was the sixth time in 8 years of data collection that the ratio favored males (Cooley et al. 1981, 1982, 1983, 1986, 1987) and also agrees with the data of (Erickson (1955) and Hoppe (1980). The percentage of young-of-the-year (37.1%) was near the average for all the years bobcats have been examined. The age groups 0-3 years made up nearly 80.6% of the total animals submitted, slightly up from the last year's total of 78.8%, and comparable with previous data. The young-of-the-year and yearling age classes occurred most frequently in the sample.

Region II

The number of samples collected from Region II this year was slightly higher than in 1986-87. The sex ratio of Region II bobcats (Table 2) was 114:100 (88:77) males to females. This was consistent with data from past collections. The percentage of young-of-the-year (29.1%) and yearling (27.3%) age classes were down slightly from last years values of 31.6% and 33.1%, respectively. The age groups 0-3 years made up 71.6% of the total animals submitted, down slightly from last year's 78.7% but comparable to 1982 and 1986 values.

Regions I and II

Compliance with the mandatory skull submission was 81.4% (486 of 597) of bobcats registered compared to last years value of 82.1% (549 of 669). The combined totals for the two Regions (Table 4) exhibit a distribution in the age classes and sex ratios consistent with past year's data. As expected, the 0-1 and 1-2 year-old age classes made up a high percentage (62.8%) of the total animals examined.

Sex ratios calculated by tooth measurement in previous years have not differed significantly from the actual sex ratios of the samples (Friedrich et al. 1983 and Unpublished Data). However, the differences suggest that the calculated values could be adjusted by +4.4% for juvenile males, -4.5% for juvenile females, -1.5% for adult males, and +1.7% for adult females.

Management Application

The collection and examination of bobcat teeth provided additional baseline information. Using dental measurements for sex determination has allowed for easier data collection. These data, in conjunction with future information will allow the Wildlife Division to develop a population model and help assure Michigan trappers and hunters the opportunity to harvest and export this furbearing species in the future.

Acknowledgements

We thank the bobcat trappers and hunters for their cooperation and the biologists and technicians for gathering the bobcat heads and submitting them for examination. Thanks is also extended to Myra Fraidenburg for assisting in the preparation of this report.

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Table 1. Estimated age and sex ratio of Region I bobcats.

Age	Number	Male	Female	Percent of Total
0-1	117	66	51	37.1
1-2	90	39	51	28.6
2-3	47	27	20	14.9
3-4	21	16	5	6.7
4-5	14	9	5	4.4
5-6	9	5	4	2.9
6-7	7	3	4	2.2
7-8	7	6	1	2.2
8-9	0	0	0	0.0
9-10	1	1	0	0.3
10-11	2	1	1	0.6
	315	173	142	99.9

Table 2. Estimated age and sex ratio of Region II bobcats.

Age	Number	Male	Female	Percent of Total
0-1	48	24	24	29.1
1-2	45	21	24	27.3
2-3	25	14	11	15.2
3-4	15	9	6	9.1
4-5	5	3	2	3.0
5-6	9	5	4	5.5
6-7	10	5	5	6.1
7-8	4	3	1	2.4
8-9	1	1	0	0.6
9-10	1	1	0	0.6
10-11	1	1	0	0.6
11-12	1	1	0	0.6
	165	88	77	100.1

Table 3. Estimated age and sex ratio of bobcats from unspecified Region.

Age	Number	Male	Female
0-1	1	0	1
1-2	4	1	3
2-3	0	0	0
3-4	0	0	0
4-5	0	0	0
5-6	1	1	0
	6	2	4

Table 4. Estimated age and sex ratio of bobcats from Regions I and II.

Age	Number	Male	Females	Percent of Total
0-1	166	90	76	34.2
1-2	139	61	78	28.6
2-3	72	41	31	14.8
3-4	36	25	11	7.4
4-5	19	12	7	3.9
5-6	19	11	8	3.9
6-7	17	8	9	3.5
7-8	11	9	2	2.3
8-9	1	1	0	0.2
9-10	2	2	0	0.4
10-11	3	2	1	0.6
11-12	1	1	0	0.2
	486	263	223	100.0

APPENDIX I.

1987-88 BOBCAT DATA - REGION I

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
1	GOGEBIC	45N 41W 30	2 07 88	8700944	M	0.5	TRAP	
1	GOGEBIC	45N 43W 09	11 01 87	8700941	M	1.5	TRAP	
1	GOGEBIC	47N 43W 15	11 11 87	8701193	M	2.5	TRAP	
1	GOGEBIC	46N 42W 04	11 08 87	8700942	M	2.5	TRAP	
1	GOGEBIC	47N 44W 22	12 27 87	8701194	M	3.5	TRAP	
1	GOGEBIC	45N 43W 02	1 28 88	8700943	F	0.5	TRAP	
1	GOGEBIC	48N 44W 23	1 23 88	8701196	F	0.5	TRAP	
1	GOGEBIC	46N 43W 21	2 18 88	8700945	F	1.5	TRAP	
1	GOGEBIC	48N 48W 07	1 17 88	8701195	F	3.5	HUNT	
1	HOUGHTON	47N 36W 05	10 29 87	8700932	M	1.5	TRAP	
1	HOUGHTON	47N 36W 05	10 31 87	8700933	M	3.5	TRAP	
1	HOUGHTON	48N 37W 26	2 21 88	8700934	M	3.5	TRAP	
1	HOUGHTON	47N 35W 07	10 27 87	8700931	F	2.5	TRAP	
1	ONTONAGON	49N 41W 13	2 18 88	8700970	M	0.5	HUNT	
1	ONTONAGON	49N 41W 33	2 21 88	8700964	M	0.5	TRAP	
1	ONTONAGON	48N 39W 20	3 01 88	8700963	M	3.5	TRAP	
1	ONTONAGON	47N 42W 25	10 29 87	8701192	M	7.5	TRAP	
1	ONTONAGON	47N 42W 25	10 25 87	8701191	F	0.5	TRAP	
1	ONTONAGON	48N 39W 20	12 30 87	8700965	F	3.5	TRAP	
1	UNKNOWN				M	4.5		+/- 1 YEAR
2	DICKINSON	41N 28W 21	1 12 88	8700372	M	0.5	TRAP	
2	DICKINSON	43N 29W 12	12 20 87	8701244	M	0.5	TRAP	
2	DICKINSON	41N 29W 07	1 31 88	8700379	M	0.5	TRAP	
2	DICKINSON	41N 29W 19	2 27 88	8700485	M	0.5	TRAP	
2	DICKINSON	42N 29W 13	1 02 88	8700367	M	0.5	TRAP	
2	DICKINSON	40N 28W 29	2 07 88	8700471	M	0.5	TRAP	
2	DICKINSON	40N 28W 17	2 07 88	8700475	M	0.5	TRAP	
2	DICKINSON	40N 29W 06	2 20 88	8700476	M	0.5	TRAP	
2	DICKINSON	40N 29W 02	2 07 88	8700472	M	0.5	TRAP	
2	DICKINSON	40N 30W 27	12 15 87	8700360	M	1.5	TRAP	
2	DICKINSON	42N 27W 10	12 29 87	8701254	M	1.5	HUNT	
2	DICKINSON	43N 28W 17	12 16 87	8700387	M	1.5	TRAP	
2	DICKINSON	44N 30W 12			M	2.5		
2	DICKINSON	44N 28W 28	10 25 87	8700381	M	2.5	TRAP	
2	DICKINSON	42N 28W 19	1 16 88	8700389	M	2.5	TRAP	
2	DICKINSON	40N 27W 36	11 08 87	8700354	M	2.5	TRAP	
2	DICKINSON	40N 28W 04	1 20 88	8700374	M	2.5	TRAP	
2	DICKINSON	43N 29W 12	12 20 87	8701243	M	2.5	TRAP	
2	DICKINSON	40N 29W 09	2 28 88	8700486	M	2.5	TRAP	
2	DICKINSON	42N 30W 13	2 28 88	8700487	M	3.5	TRAP	
2	DICKINSON	41N 30W 22	2 20 88	8700478	M	3.5	TRAP	
2	DICKINSON	41N 30W 06	11 29 87	8700356	M	4.5	HUNT	
2	DICKINSON	43N 29W 34	1 19 88	8700375	M	5.5	TRAP	
2	DICKINSON	42N 30W 13	1 03 88	8700370	F	0.5	TRAP	
2	DICKINSON	42N 29W 13	1 02 88	8700366	F	0.5	TRAP	
2	DICKINSON	40N 29W 10	2 08 88	8700473	F	0.5	TRAP	
2	DICKINSON	44N 28W 01	12 21 87	8700388	F	0.5	TRAP	
2	DICKINSON	42N 30W 17	12 08 87	8700358	F	0.5	HUNT	
2	DICKINSON	40N 30W 13	1 03 88	8700369	F	0.5	TRAP	
2	DICKINSON	40N 28W 19	1 24 88	8700377	F	0.5	TRAP	
2	DICKINSON	40N 30W 13	1 03 88	8700368	F	0.5	TRAP	
2	DICKINSON	41N 29W 19	2 24 88	8700482	F	1.5	TRAP	
2	DICKINSON	42N 29W 32	11 23 87	8700384	F	1.5	TRAP	

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DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
2	DICKINSON	41N 30W 20	2 20 88	8700481	F	1.5	TRAP	
2	DICKINSON	41N 28W 03	10 06 87	8700382	F	1.5	TRAP	
2	DICKINSON	41N 29W 11	1 24 88	8700378	F	1.5	TRAP	
2	DICKINSON	41N 29W 24	11 15 87	8700352	F	1.5	HUNT	
2	DICKINSON	41N 29W 07	12 15 87	8700359	F	1.5	TRAP	
2	DICKINSON	42N 28W 23	1 04 87	8700365	F	2.5	TRAP	
2	DICKINSON	41N 29W 07	1 31 88	8700380	F	2.5	TRAP	
2	DICKINSON	42N 30W 13	1 03 88	8700371	F	2.5	TRAP	
2	DICKINSON	43N 28W 07	2 23 88	8701282	F	2.5	TRAP	
2	DICKINSON	41N 29W 11	1 24 88	8700376	F	4.5	TRAP	
2	DICKINSON	40N 29W 02	2 08 88	8700474	F	4.5	TRAP	+/- 1 YEAR
2	DICKINSON	43N 29W 14	2 26 88	8700491	F	5.5	TRAP	+/- 2 YEAR
2	DICKINSON	44N 30W 17	12 21 87	8701245	F	5.5	HUNT	+/- 1 YEAR
2	DICKINSON	44N 29W 03	1 31 88	8701270	F	6.5	TRAP	
2	DICKINSON	42N 28W 06	2 22 88	8700493			TRAP	
2	DICKINSON	42N 30W 04	2 14 88	8700466			TRAP	
2	DICKINSON	42N 28W 06	2 23 88	8700495			TRAP	
2	DICKINSON	41N 28W 03	11 21 87	8700383			TRAP	
2	DICKINSON	42N 28W 06	2 22 88	8700494			TRAP	
2	DICKINSON	41N 30W 20	2 20 88	8700480			TRAP	
2	DICKINSON	42N 27W 28	12 15 87	8700386			TRAP	
2	DICKINSON	42N 29W 16	12 19 87	8700173			HUNT	
2	IRON	42N 31W 10	2 20 88	8700479	M	0.5	TRAP	
2	IRON	44N 31W 02	11 21 87	8700907	M	0.5	TRAP	
2	IRON	43N 31W	11 12 87	8700433	M	1.5	TRAP	
2	IRON	44N 32W 31	11 10 87	8700432	M	1.5	TRAP	
2	IRON	43N 31W 22	11 19 87	8700436	M	2.5	HUNT	
2	IRON	44N 35W 05	12 27 87	8700364	M	5.5	TRAP	
2	IRON	44N 35W 05	12 27 87	8700363	M	7.5	TRAP	
2	IRON	45N 33W 33	1 25 88	8700468	F	0.5	TRAP	
2	IRON	45N 33W 33	1 25 88	8700467	F	0.5	TRAP	
2	IRON	43N 33W	11 11 87	8700434	F	0.5	TRAP	
2	IRON	42N 32W 26	2 27 88	8700484	F	1.5	TRAP	
2	IRON	42N 32W 26	2 27 88	8700483	F	1.5	TRAP	
2	IRON	44N 31W 03	11 07 87	8700902	F	1.5	TRAP	
2	IRON	42N 32W 35	11 06 87	8700431	F	1.5	TRAP	
2	IRON	44N 33W 35	11 28 87	8700355	F	2.5	HUNT	
2	IRON	44N 31W 02	11 21 87	8700906	F	2.5	TRAP	
2	IRON	43N 31W 17	11 03 87	8700461	F	3.5	TRAP	
2	IRON	42N 31W 10	2 20 88	8700477			TRAP	
2	IRON	44N 31W 03	2 07 88	8700465			TRAP	
2	IRON	42N 32W 25	2 08 88	8700464			TRAP	
2	IRON	43N 31W 17	12 18 87	8700438			TRAP	
2	IRON	44N 33W 06	11 17 87	8700435			TRAP	
2	IRON	45N 33W 01	12 16 87	8700440			TRAP	
2	IRON	42N 32W 26	12 21 87	8700439			TRAP	
2	IRON	44N 33W 17	12 27 87	8700462			TRAP	
2	IRON	46N 31W 31	2 27 88	8700492			TRAP	
2	MENOMINEE	41N 25W 33	1 19 88	8701265	M	0.5	TRAP	
2	MENOMINEE	35N 25W 31	10 31 87	8700412	M	0.5	TRAP	
2	MENOMINEE	37N 27W 20	2 25 88	8700416	M	0.5	TRAP	
2	MENOMINEE	41N 26W 32	1 19 88	8701266	M	0.5	TRAP	
2	MENOMINEE	41N 26W 32	1 19 88	8701267	M	0.5	TRAP	

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DIST	COUNTY	LOCATION			DATE			SEAL	SEX	AGE	METHOD	COMMENTS
		Twp.	Rng.	Sec.	Mo.	Da.	Yr.	NUMBER				
2	MENOMINEE	40N	25W	34	1	06	88	8701260	M	0.5	TRAP	
2	MENOMINEE	40N	25W	34	1	03	88	8701257	M	0.5	TRAP	
2	MENOMINEE	40N	26W	13	1	10	88	8701261	M	0.5	TRAP	
2	MENOMINEE	36N	26W	27	1	15	88	8700415	M	0.5	TRAP	
2	MENOMINEE	40N	27W	22	11	28	87	8700908	M	0.5	TRAP	
2	MENOMINEE	34N	26W	18	11	02	87	8700411	M	1.5	TRAP	
2	MENOMINEE	40N	25W	34	1	03	88	8701256	M	1.5	TRAP	
2	MENOMINEE	39N	25W	35	2	22	88	8701279	M	1.5	TRAP	
2	MENOMINEE	40N	27W	18	11	16	87	8700353	M	2.5	HUNT	
2	MENOMINEE	37N	26W	12	1	07	88	8700414	M	2.5	TRAP	
2	MENOMINEE	39N	26W	24	12	18	87	8700362	M	2.5	TRAP	
2	MENOMINEE	37N	25W	31	11	28	87	8701246	M	2.5	HUNT	
2	MENOMINEE	39N	27W	31	12	17	87	8700361	M	2.5	TRAP	
2	MENOMINEE	39N	26W	23	12	28	87	8701251	M	4.5	TRAP	
2	MENOMINEE	40N	26W	09	12	12	87	8701238	M	7.5	TRAP	+/- 1 YEAR
2	MENOMINEE	40N	26W	09	12	12	87	8701236	M	7.5	TRAP	
2	MENOMINEE	37N	26W	20	12	02	87	8701002	F	0.5	TRAP	
2	MENOMINEE	39N	25W	35	2	22	88	8701280	F	0.5	TRAP	
2	MENOMINEE	37N	28W	02	11	11	87	8700351	F	0.5	TRAP	
2	MENOMINEE	36N	28W	09	11	28	87	8700421	F	1.5	TRAP	
2	MENOMINEE	41N	26W	31	11	30	87	8700385	F	1.5	TRAP	
2	MENOMINEE	34N	26W	10	12	26	87	8700413	F	1.5	HUNT	
2	MENOMINEE	37N	28W	32	1	17	88	8700373	F	4.5	TRAP	+/- 1 YEAR
2	MENOMINEE	37N	25W	25	11	17	87	8700451			HUNT	
2	MENOMINEE	34N	26W	28	11	19	87	8700441			HUNT	
2	MENOMINEE	37N	26W	20	12	14	87	8701111			TRAP	
2	MENOMINEE	34N	26W	08	11	13	87	8700442			TRAP	
2	UNKNOWN								F	1.5		
3	ALGER	45N	20W	12	2	06	88	8700923	M	0.5	HUNT	
3	ALGER	46N	19W	08	2	23	88	8701285	M	0.5	HUNT	
3	ALGER	44N	21W	20	11	18	87	8700917	M	1.5	TRAP	
3	ALGER	45N	20W	12	2	05	88	8700922	M	3.5	HUNT	
3	ALGER	44N	27W	17	11	01	87	8700912	M	4.5	TRAP	+/- 1 YEAR
3	ALGER	44N	22W	01	12	13	87	8701242	M	6.5	TRAP	
3	ALGER	46N	19W	08	2	23	88	8701284	M	10.5	HUNT	
3	ALGER	45N	22W	33	11	30	87	8700909	F	0.5	HUNT	
3	ALGER	44N	19W	14	11	16	87	8700653	F	0.5	HUNT	
3	ALGER	44N	22W	01	12	13	87	8701241	F	1.5	TRAP	
3	ALGER	44N	19W	14	11	16	87	8700652	F	6.5	HUNT	
3	DELTA	39N	18W	21	1	27	88	8700873	M	0.5	TRAP	
3	DELTA	41N	18W	28	1	10	88	8700689	M	0.5	TRAP	
3	DELTA	42N	22W	11	2	20	88	8700926	M	0.5	HUNT	
3	DELTA	42N	23W	36	1	22	88	8701268	M	0.5	TRAP	
3	DELTA	38N	23W	30	11	14	87	8700910	M	0.5	TRAP	
3	DELTA	42N	21W	34	2	05	88	8701274	M	0.5	TRAP	
3	DELTA	41N	19W	32	1	22	88	8700722	M	0.5	TRAP	
3	DELTA	43N	21W	29	2	19	88	8700925	M	0.5	HUNT	
3	DELTA	38N	24W	04	11	07	87	8700901	M	0.5	TRAP	
3	DELTA	37N	24W	08	12	24	87	8701249	M	0.5	TRAP	
3	DELTA	39N	18W	22	2	22	88	8700875	M	0.5	TRAP	
3	DELTA	43N	21W	24	1	16	88		M	0.5	TRAP	
3	DELTA	41N	18W	23	11	14	87	8700690	M	1.5	TRAP	
3	DELTA	41N	23W	16	2	01	88	8701272	M	1.5	TRAP	

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DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
3	DELTA	37N 24W 08	12 24 87	8701247	M	1.5	TRAP	
3	DELTA	41N 22W 16	12 01 87	8700357	M	1.5	ROAD KILL	
3	DELTA	41N 21W 11	12 11 87	8701240	M	1.5	TRAP	
3	DELTA	39N 18W 23	2 19 88	8700874	M	1.5	TRAP	
3	DELTA	40N 23W 22	2 18 88	8701278	M	1.5	TRAP	
3	DELTA	37N 24W 08	12 24 87	8701248	M	1.5	TRAP	
3	DELTA	41N 19W 21	10 30 87	8700682	M	2.5	TRAP	
3	DELTA	42N 21W 14	1 19 88	8701264	M	2.5	TRAP	
3	DELTA	38N 24W 04	12 13 87	8701239	M	2.5	TRAP	
3	DELTA	43N 19W 11	11 19 87	8700905	M	3.5	TRAP	
3	DELTA	42N 21W 14	12 04 87	8701232	M	4.5	TRAP	
3	DELTA	43N 21W 08	2 06 88	8701286	M	4.5	TRAP	
3	DELTA	40N 20W 32	1 23 88	8701269	M	6.5	HUNT	
3	DELTA	38N 24W 35	1 06 88	8701259	F	0.5	TRAP	
3	DELTA	37N 24W 08	12 24 87	8701250	F	0.5	TRAP	
3	DELTA	43N 20W 06	2 25 88	8700928	F	0.5	HUNT	
3	DELTA	40N 23W 22	2 10 88	8701276	F	0.5	TRAP	
3	DELTA	38N 24W 23	11 22 87	8700904	F	0.5	TRAP	
3	DELTA	42N 23W 09	1 03 88	8701255	F	1.5	TRAP	
3	DELTA	37N 24W 01	12 30 87	8701252	F	1.5	TRAP	
3	DELTA	40N 18W 13	2 03 88	8700725	F	1.5	TRAP	
3	DELTA	38N 18W 23	11 28 87	8700871	F	1.5	TRAP	
3	DELTA	43N 19W 28	11 12 87	8700903	F	1.5	TRAP	
3	DELTA	41N 19W 26	12 14 87	8700686	F	1.5	TRAP	
3	DELTA	40N 19W 05	1 12 88	8700688	F	1.5	TRAP	
3	DELTA	43N 23W 17	12 01 87	8701231	F	2.5	TRAP	
3	DELTA	39N 18W 22	3 01 88	8700876	F	2.5	TRAP	
3	DELTA	43N 21W 24	1 09 88		F	2.5	TRAP	
3	DELTA	40N 22W 04	2 02 88	8701273	F	2.5	TRAP	
3	DELTA	41N 20W 12	2 28 88	8700927	F	2.5	HUNT	
3	DELTA	37N 24W 21	11 30 87	8700443	F	2.5	HUNT	
3	DELTA	40N 22W 03	1 11 88	8701263	F	2.5	TRAP	
3	DELTA	42N 20W 20	12 05 87	8701233	F	5.5	TRAP	
3	DELTA	39N 21W 28	12 07 87	8701234			TRAP	
3	DELTA	42N 23W 03	1 12 88	8700852			TRAP	
3	DELTA	42N 20W 02	2 19 88				HUNT	
3	DELTA	39N 21W 28	12 07 87	8701235			TRAP	
3	MARQUETTE	47N 29W 19	1 24 88	8700885	M	0.5	TRAP	
3	MARQUETTE	45N 30W 12	1 14 88	8700469	M	0.5	TRAP	
3	MARQUETTE	42N 25W 15	2 14 88	8700853	M	0.5	TRAP	
3	MARQUETTE	43N 25W 17	2 28 88	8700880	M	1.5	HUNT	
3	MARQUETTE	48N 29W 02	11 04 87	8700915	M	1.5	TRAP	
3	MARQUETTE	45N 28W 14	11 22 87	8700918	M	1.5	TRAP	
3	MARQUETTE	44N 23W 15	12 16 87	8700851	M	1.5	TRAP	
3	MARQUETTE	45N 26W	2 28 88	8700335	M	2.5	HUNT	
3	MARQUETTE	42N 24W 16	1 31 88	8701271	M	3.5	TRAP	
3	MARQUETTE	43N 25W 24	2 13 88	8701277	M	4.5	TRAP	
3	MARQUETTE	44N 33W 30	11 04 87	8700914	F	0.5	TRAP	
3	MARQUETTE	49N 29W 03	11 07 87	8700916	F	0.5	TRAP	
3	MARQUETTE	45N 26W	2 28 88	8700336	F	0.5	HUNT	
3	MARQUETTE	43N 25W 04	2 25 88	8701283	F	0.5	TRAP	
3	MARQUETTE	49N 29W 34	2 04 88	8700921	F	0.5	TRAP	
3	MARQUETTE	45N 30W 36	12 12 87	8700437	F	1.5	TRAP	

APPENDIX I.

1987-88 BOBCAT DATA - REGION I

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
3	MARQUETTE	45N 30W 16	11 01 87	8700882	F	1.5	TRAP	
3	MARQUETTE	43N 25W 01	1 04 88	8701258	F	1.5	TRAP	
3	MARQUETTE	46N 27W 03	11 21 87	8700884	F	1.5	HUNT	
3	MARQUETTE	48N 29W 02	11 02 87	8700913	F	1.5	TRAP	
3	MARQUETTE	42N 24W 15	2 22 88	8701281	F	1.5	TRAP	
3	MARQUETTE	47N 29W 19	1 24 88	8700886	F	2.5	TRAP	
3	MARQUETTE	42N 24W 15	1 11 88	8701262	F	7.5	TRAP	
3	MARQUETTE	44N 27W 17	10 31 87	8700911			TRAP	
3	MARQUETTE	51N 26W 19	11 13 87	8700919			TRAP	
3	MARQUETTE	43N 25W 17	12 03 87	8600706			TRAP	
3	MARQUETTE	43N 25W 03	12 08 87	8701237			TRAP	
3	MARQUETTE	45N 25W 21	1 01 88	8701011			HUNT	
3	MARQUETTE	45N 30W 24	11 01 87	8700883			TRAP	
3	MARQUETTE	45N 25W 21	12 29 87	8701012			HUNT	
3	MARQUETTE	45N 30W 12	1 13 87	8700463			TRAP	
3	MARQUETTE	45N 30W 27	1 08 88	8700470			TRAP	
4	CHIPPEWA	42N 03E 06	10 30 87	8700803	M	0.5	TRAP	
4	CHIPPEWA	43N 01E 19	2 14 88	8700841	M	0.5	HUNT	
4	CHIPPEWA	46N 06W 30	11 20 87	8700893	M	0.5	TRAP	
4	CHIPPEWA	44N 02W 12	11 22 87	8701024	M	0.5	HUNT	
4	CHIPPEWA	44N 04W 24	2 28 88	8700848	M	0.5	TRAP	
4	CHIPPEWA	43N 02E 33	11 03 87	8700804	M	0.5	TRAP	
4	CHIPPEWA	46N 05W 17	11 17 87	8701023	M	1.5	TRAP	
4	CHIPPEWA	45N 03W 13	2 28 88	8700849	M	1.5	HUNT	
4	CHIPPEWA	47N 01W 29	1 25 88	8700834	M	1.5	TRAP	
4	CHIPPEWA	42N 02E 22	1 25 88	8700831	M	1.5	HUNT	
4	CHIPPEWA	44N 02W 28	2 29 88	8701182	M	1.5	HUNT	
4	CHIPPEWA	45N 01E 23	2 24 88	8700845	M	1.5	HUNT	
4	CHIPPEWA	42N 03E 06	11 14 87	8700807	M	2.5	TRAP	
4	CHIPPEWA	47N 06W 14	2 28 87	8700877	M	2.5	HUNT	
4	CHIPPEWA	44N 02W 14	11 18 87	8700809	M	2.5	HUNT	
4	CHIPPEWA	42N 03E 34	1 31 88	8700835	M	2.5	HUNT	
4	CHIPPEWA	42N 03E 19	12 14 87	8700753	M	2.5	TRAP	
4	CHIPPEWA	44N 01E 25	12 17 87	8700818	M	3.5	TRAP	
4	CHIPPEWA	45N 01E 33	2 13 88	8700843	M	3.5	HUNT	
4	CHIPPEWA	42N 03E 16	11 13 87	8700808	M	5.5	TRAP	
4	CHIPPEWA	45N 01E 33	2 13 88	8700844	M	7.5	HUNT	
4	CHIPPEWA	42N 03E 10	12 05 87	8700814	F	0.5	TRAP	
4	CHIPPEWA		10 30 87		F	0.5		
4	CHIPPEWA	42N 03E 19	12 11 87	8700754	F	0.5	TRAP	
4	CHIPPEWA	42N 03E 29	11 12 87	8700806	F	0.5	TRAP	
4	CHIPPEWA	42N 03E 10	12 06 87	8700815	F	0.5	TRAP	
4	CHIPPEWA	44N 02W 30	1 01 88	8700823	F	0.5	TRAP	
4	CHIPPEWA	45N 01W 19	1 15 88	8700827	F	0.5	ROAD KILL	
4	CHIPPEWA	46N 02W 35	1 29 88	8700837	F	0.5	HUNT	
4	CHIPPEWA	42N 03E 10	12 03 87	8700813	F	0.5	TRAP	
4	CHIPPEWA	45N 01W 27	2 28 88	8700847	F	1.5	TRAP	
4	CHIPPEWA	44N 01W 20	1 15 88	8700826	F	1.5	TRAP	
4	CHIPPEWA	42N 02E 16	10 29 87	8700802	F	1.5	TRAP	
4	CHIPPEWA	45N 02W 34	1 26 88	8700832	F	1.5	TRAP	
4	CHIPPEWA	42N 03E 10	12 01 87	8700811	F	1.5	TRAP	
4	CHIPPEWA	44N 01E 25	12 15 87	8700817	F	1.5	TRAP	
4	CHIPPEWA	45N 01W 13	2 12 88	8700842	F	1.5	HUNT	

APPENDIX I.

1987-88 BOBCAT DATA - REGION I

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
4	CHIPPEWA	43N 02E 15	1 09 88	8700009	F	1.5	HUNT	
4	CHIPPEWA	46N 02W 35	1 29 88	8700836	F	1.5	HUNT	
4	CHIPPEWA	44N 06W 21	11 02 87	8700171	F	2.5	TRAP	
4	CHIPPEWA	45N 01W 27	2 26 88	8700846	F	3.5	TRAP	+/- 1 YEAR
4	CHIPPEWA	44N 01E 07	2 07 88	8700839	F	6.5	HUNT	+/- 1 YEAR
4	CHIPPEWA	42N 03E 16	2 02 88	8700755	F	10.5	TRAP	
4	CHIPPEWA	47N 06W 36	10 30 87	8700331			TRAP	
4	CHIPPEWA	44N 06W 21	10 29 87	8701001			TRAP	
4	CHIPPEWA	44N 17W 14	2 29 88	8700028			HUNT	
4	CHIPPEWA	44N 17W 14	2 28 88	8700025			HUNT	
4	CHIPPEWA	47N 04W 28	1 24 88	8700833			TRAP	
4	LUCE	46N 09W 26	11 21 87	8700108	M	1.5	HUNT	
4	LUCE	48N 08W 15	10 25 87	8700800	M	1.5	TRAP	
4	LUCE	47N 09W 18	11 08 87	8700172	M	2.5	TRAP	
4	LUCE		4 88		M	3.5	ROAD KILL	
4	LUCE	48N 08W 10	9 28 87	8700791	F	0.5	TRAP	
4	LUCE	45N 09W 32	1 03 88	8700799	F	0.5	HUNT	
4	LUCE	48N 08W 10	11 17 87	8700691	F	1.5	HUNT	
4	LUCE	46N 11W 33		8700152	F	1.5	HUNT	
4	MACKINAC	43N 06W 08	11 29 87	8700810	M	0.5	HUNT	
4	MACKINAC	42N 04W 23	2 01 88	8700760	M	0.5	TRAP	
4	MACKINAC	42N 07W 08	1 24 88	8700703	M	0.5	TRAP	
4	MACKINAC	42N 01W 18	12 13 87	8700757	M	0.5	TRAP	
4	MACKINAC	41N 04W 35	2 23 88	8700244	M	0.5	HUNT	
4	MACKINAC	43N 08W 29	2 25 88	8700708	M	0.5	TRAP	
4	MACKINAC	43N 02W 19	1 22 88	8700830	M	0.5	TRAP	
4	MACKINAC	42N 07W 09	12 19 87	8700695	M	0.5	TRAP	
4	MACKINAC	43N 01W 21	2 29 88	8701181	M	0.5	HUNT	
4	MACKINAC	40N 04W 04	1 24 88	8700147	M	0.5	HUNT	
4	MACKINAC	43N 04W 10	1 06 88	8700824	M	0.5	TRAP	
4	MACKINAC	43N 08W 29	2 05 88	8700706	M	0.5	TRAP	
4	MACKINAC	42N 01E 17	12 09 87	8700821	M	0.5	TRAP	
4	MACKINAC	42N 07W 08	12 18 87	8700694	M	0.5	TRAP	
4	MACKINAC	43N 12W 26	1 19 88	8700771	M	0.5	TRAP	
4	MACKINAC	42N 07W 05	1 10 88	8700698	M	0.5	TRAP	
4	MACKINAC	42N 03W 10	10 28 87	8700701	M	1.5	TRAP	
4	MACKINAC	42N 03W 09	1 29 88	8700838	M	1.5	TRAP	
4	MACKINAC	44N 12W 12	11 13 87	8700793	M	1.5	TRAP	
4	MACKINAC	42N 06W 23	11 10 87	8700131	M	1.5	TRAP	
4	MACKINAC	43N 10W 28	11 08 87	8701022	M	1.5	TRAP	
4	MACKINAC	40N 04W 11	1 30 88	8700705	M	1.5	HUNT	
4	MACKINAC	40N 03W 35	2 28 88	8700300	M	1.5	HUNT	
4	MACKINAC	43N 11W 35	11 17 87	8700692	M	2.5	HUNT	
4	MACKINAC	43N 03W 33	2 28 88	8700850	M	3.5	HUNT	
4	MACKINAC	42N 04W 25	1 15 88	8700699	M	3.5	TRAP	
4	MACKINAC	43N 06W 35	10 26 87	8700107	M	3.5	HUNT	
4	MACKINAC	43N 06W 29	1 23 88	8700702	M	4.5	TRAP	
4	MACKINAC	42N 05W 28	1 24 88	8700704	F	0.5	HUNT	
4	MACKINAC	42N 07W 08	1 01 88	8700696	F	0.5	TRAP	
4	MACKINAC	43N 10W 28	11 08 87	8701021	F	0.5	TRAP	
4	MACKINAC	42N 01E 17	12 10 87	8700822	F	0.5	TRAP	
4	MACKINAC	43N 01W 11	11 30 87	8700812	F	0.5	TRAP	
4	MACKINAC	43N 02W 28	12 19 87	8700819	F	0.5	HUNT	

APPENDIX I.

1987-88 BOBCAT DATA - REGION I

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
4	MACKINAC	41N 04W 06	2 02 88	8700767	F	0.5	TRAP	
4	MACKINAC	42N 07W 08	1 10 88	8700697	F	0.5	TRAP	
4	MACKINAC	43N 09W 29	2 15 88	8700707	F	0.5	HUNT	
4	MACKINAC	42N 04W 23	1 31 88	8700766	F	0.5	TRAP	
4	MACKINAC	41N 05W 12	2 04 88	8700768	F	1.5	TRAP	
4	MACKINAC	42N 01W 18	12 14 87	8700759	F	1.5	TRAP	
4	MACKINAC	44N 12W 20	1 27 88	8700772	F	1.5	TRAP	
4	MACKINAC	42N 03W 10	11 04 87	8700151	F	1.5	TRAP	
4	MACKINAC	42N 01W 18	12 14 87	8700758	F	1.5	TRAP	
4	MACKINAC	42N 07W 06	11 28 87	8700693	F	1.5	TRAP	
4	MACKINAC	42N 11W 11	12 31 87	8700798	F	1.5	TRAP	
4	MACKINAC	41N 05W 11	11 11 87	8700132	F	1.5	TRAP	
4	MACKINAC	43N 10W 04	11 12 87	8700792	F	1.5	TRAP	
4	MACKINAC	42N 01E 30	10 25 87	8700801	F	2.5	HUNT	
4	MACKINAC	42N 02W 11	11 06 87	8700805	F	2.5	TRAP	
4	MACKINAC	43N 02W 28	12 20 87	8700820	F	2.5	HUNT	
4	MACKINAC	43N 01W 28	2 13 88	8700840	F	4.5	HUNT	
4	MACKINAC	43N 06W 24	1 22 88	8700700	F	4.5	HUNT	+/- 1 YEAR
4	MACKINAC	43N 04W 15	12 12 87	8700816	F	5.5	HUNT	
4	MACKINAC	43N 04W 10	1 04 88	8700825	F	6.5	TRAP	
4	MACKINAC	42N 04W 33	12 05 87	8700346			TRAP	
4	MACKINAC	42N 11W 20	11 21 87	8701121			HUNT	
4	MACKINAC	42N 05W 21	2 13 88	8701144			TRAP	
4	MACKINAC	43N 09W 22	12 21 87	8700001			HUNT	
4	MACKINAC	43N 07W 26	2 21 88	8701043			HUNT	
4	MACKINAC	42N 03W 19	11 26 87	8700181			HUNT	
4	MACKINAC	42N 01E	11 01 87	8700341			HUNT	
4	SCHOOLCRAFT	42N 14W 24	1 13 88	8700721	M	0.5	TRAP	
4	SCHOOLCRAFT	45N 17W 15	1 20 88	8700334	M	0.5	HUNT	
4	SCHOOLCRAFT	41N 15W 11	12 27 87	8700730	M	0.5	TRAP	
4	SCHOOLCRAFT	44N 13W 14	12 04 87	8700796	M	1.5	TRAP	
4	SCHOOLCRAFT	43N 15W 20	11 21 87	8700683	M	2.5	TRAP	
4	SCHOOLCRAFT	44N 13W 14	10 31 87	8700751	M	3.5	TRAP	
4	SCHOOLCRAFT	43N 13W 04	11 27 87	8700795	M	4.5	TRAP	
4	SCHOOLCRAFT	42N 15W 16	10 27 87	8700681	M	5.5	TRAP	
4	SCHOOLCRAFT	42N 14W 01	12 31 87	8700797	M	5.5	TRAP	
4	SCHOOLCRAFT	45N 18W 09	10 30 87	8700651	M	6.5	TRAP	
4	SCHOOLCRAFT	45N 16W 31	12 11 87	8700101	M	7.5	TRAP	
4	SCHOOLCRAFT	44N 13W 24	1 03 88	8700687	M	9.5	HUNT	
4	SCHOOLCRAFT	42N 13W 36	2 13 88	8700723	F	0.5	HUNT	
4	SCHOOLCRAFT	44N 13W 14	11 21 87	8700794	F	1.5	TRAP	
4	SCHOOLCRAFT	42N 14W 32	12 13 87	8700685	F	2.5	TRAP	
4	SCHOOLCRAFT	42N 13W 36	2 13 88	8700724	F	3.5	HUNT	+/- 1 YEAR
4	SCHOOLCRAFT	40N 17W 24	1 02 88	8701041			HUNT	
4	SCHOOLCRAFT	45N 17W 32	12 19 87	8700294			HUNT	

APPENDIX II.

1987-88 BOBCAT DATA - REGION II

J 1106399A

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
5	ALPENA	30N 08E 29	2 14 88	8700265	M	1.5	HUNT	
5	ALPENA	31N 09E 32	1 10 88	8600175	M	1.5	HUNT	
5	ALPENA	30N 08E 29	1 20 88	8700268	M	3.5	HUNT	
5	ALPENA	32N 05E 21	2 14 88	8700262	M	4.5	HUNT	
5	ALPENA	29N 06E 04	2 21 88	8700269	M	5.5	HUNT	
5	ALPENA	29N 06E 04	1 10 88	8700261	M	5.5	HUNT	
5	ALPENA	32N 07E 07	1 29 88	8700271	F	0.5	HUNT	
5	ALPENA	29N 06E 03	1 28 88	8700253	F	1.5	HUNT	
5	ALPENA	32N 07E 05	2 03 88	8700272	F	1.5	HUNT	
5	ALPENA	30N 07E 12	1 02 88	8700027	F	1.5	HUNT	
5	ALPENA	32N 09E 06	1 30 88	8700256	F	1.5	HUNT	
5	ALPENA	32N 09E 06	1 30 88	8700257	F	1.5	HUNT	
5	ALPENA	31N 07E 18	2 04 88	8700273	F	1.5	HUNT	
5	ALPENA	32N 09E 21	1 03 88	8700276	F	1.5	HUNT	
5	ALPENA	30N 07E 12	1 02 88	8700026	F	2.5	HUNT	
5	ALPENA	29N 08E 25	2 16 88	8700266	F	3.5	HUNT	+/- 1 YEAR
5	ALPENA	30N 07E 21	2 26 88	8701087	F	3.5	HUNT	
5	ALPENA	31N 09E 32	1 09 88	8600176	F	5.5		
5	ALPENA	29N 06E 03	1 24 88	8700251	F	7.5	HUNT	+/- 1 YEAR
5	ALPENA	32N 08E 13	1 13 88	8700172			HUNT	
5	ALPENA	32N 08E 06	1 27 88	8700031			HUNT	
5	ALPENA	30N 08E 20	1 21 88	8700267			HUNT	
5	ALPENA	29N 06E 03	1 27 88	8700252			HUNT	
5	ALPENA	30N 09E 10	1 27 88	8600174			HUNT	
5	ANTRIM	29N 08W 12	1 01 88	8701025	M	1.5	HUNT	
5	ANTRIM	33N 05W 19	2 24 88	8700245	M	1.5	HUNT	
5	ANTRIM	30N 06W 18	1 23 88	8700203			HUNT	
5	ANTRIM	31N 06W 32	2 13 88	8700033			HUNT	
5	ANTRIM	31N 06W 32	2 13 88	8700034			HUNT	
5	CHARLEVOIX	33N 05W 14	2 21 88	8701026	M	0.5	HUNT	
5	CHARLEVOIX	33N 05W 02	1 13 88	8700133	M	0.5	HUNT	
5	CHARLEVOIX	33N 05W 16	1 12 88	8700140	M	1.5	HUNT	
5	CHARLEVOIX	32N 05W 29	1 26 88	8700149	M	5.5	HUNT	
5	CHARLEVOIX	33N 09W 23	1 24 88	8700148	M	6.5	HUNT	
5	CHARLEVOIX	33N 07W 30	1 16 88	8700176	F	0.5	HUNT	
5	CHARLEVOIX	33N 05W 34	1 09 88	8700136	F	0.5	HUNT	
5	CHARLEVOIX	33N 05W 24	1 17 88	8700143	F	0.5	HUNT	
5	CHARLEVOIX	33N 05W 02	2 25 88	8700243	F	1.5	HUNT	
5	CHARLEVOIX	33N 05W 10	2 10 88	8700241	F	3.5	HUNT	
5	CHEBOYGAN	35N 02W 18	1 08 88	8700137	M	0.5	HUNT	
5	CHEBOYGAN	34N 01W 28	1 16 88	8700142	M	0.5	HUNT	
5	CHEBOYGAN	35N 02W 35	2 15 88	8700347	M	0.5	HUNT	
5	CHEBOYGAN	35N 03W 27	1 23 88	8700146	M	1.5	HUNT	
5	CHEBOYGAN	34N 01W 36	2 08 88	8700232	M	2.5	HUNT	
5	CHEBOYGAN	33N 03W 04	2 09 88	8701143	M	2.5	HUNT	
5	CHEBOYGAN	35N 02W 19	1 02 88	8700134	M	3.5	HUNT	
5	CHEBOYGAN	38N 03W 29	2 21 88	8700242	M	5.5	HUNT	
5	CHEBOYGAN	33N 01E 07	1 08 88	8700138	F	2.5	HUNT	
5	CHEBOYGAN	35N 01W 10	1 08 88	8700153			HUNT	
5	CHEBOYGAN	37N 03W 12	1 16 88	8700155			HUNT	
5	CHEBOYGAN	33N 01E 22	2 14 88	8701164			HUNT	
5	CHEBOYGAN	35N 01W 10	1 09 88	8700154			HUNT	
5	CHEBOYGAN	33N 01W 36	2 02 88	8700206			HUNT	

APPENDIX II.

1987-88 BOBCAT DATA - REGION II

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
5	CHEBOYGAN	30N 01W 23	2 29 88	8701120			HUNT	
5	CHEBOYGAN	33N 01W 12	1 09 88	8700139			HUNT	
5	CHEBOYGAN	34N 02W 36	1 25 88	8700205			HUNT	
5	CHEBOYGAN	38N 03W 18	2 07 88	8700156			HUNT	
5	CHEBOYGAN	33N 01E 08	1 04 88	8700182			HUNT	
5	EMMET	37N 05W 34	1 07 88	8700135	M	1.5	HUNT	
5	EMMET	34N 05W 21	2 27 88	8700150	M	1.5	HUNT	
5	EMMET	37N 04W 12	1 12 88	8700141	M	2.5	HUNT	
5	EMMET	34N 04W 19	2 27 88	8701140	M	5.5	HUNT	
5	EMMET	38N 05W 12	1 16 88	8700144	M	6.5	HUNT	
5	EMMET	36N 05W 09	1 16 88	8700145	M	6.5	HUNT	
5	EMMET	36N 05W	1 24 88	8700231	M	9.5	HUNT	
5	EMMET	37N 05W 04	2 18 88	8700250	F	0.5	HUNT	
5	EMMET	34N 04W 19	2 27 88	8701139	F	5.5	HUNT	+/- 1 YEAR
5	MONTMORENCY	31N 02E 21	12 07 87	8700184	M	0.5	HUNT	
5	MONTMORENCY	30N 04E 12	1 16 88	8700190	M	1.5	HUNT	
5	MONTMORENCY	32N 01E 34	2 04 88	8701057	M	1.5	HUNT	
5	MONTMORENCY	31N 02E 29	1 16 88	8700011	M	2.5	HUNT	
5	MONTMORENCY	32N 01E 34	2 04 88	8701056	M	3.5	HUNT	
5	MONTMORENCY	29N 01E 25	2 27 88	8700350	M	8.5	HUNT	
5	MONTMORENCY	31N 03E 34	2 07 88	8700259	M	11.5	HUNT	+/- 1 YEAR
5	MONTMORENCY	30N 04E 13	2 23 88	8700198	F	1.5	HUNT	
5	MONTMORENCY	31N 01E 21	1 16 88	8700202	F	1.5	HUNT	
5	MONTMORENCY	32N 01E 34	2 03 88	8701055	F	2.5	HUNT	
5	MONTMORENCY	30N 04E 13	2 06 88	8700192			HUNT	
5	MONTMORENCY	31N 01E 06	2 22 88	8700302			HUNT	
5	MONTMORENCY	30N 04E 25	2 17 88	8700196			HUNT	
5	MONTMORENCY	30N 04E 25	1 10 88	8700186			HUNT	
5	MONTMORENCY	30N 04E 25	1 10 88	8700187			HUNT	
5	MONTMORENCY	29N 01E 25	2 28 88	8700349			HUNT	
5	MONTMORENCY	31N 02E 25	1 06 88	8700185			HUNT	
5	MONTMORENCY	30N 04E 17	1 27 88	8600173			HUNT	
5	MONTMORENCY	29N 01E 25	2 27 88	8700348			HUNT	
5	MONTMORENCY	31N 02E 28	2 13 88	8700032			HUNT	
5	MONTMORENCY	31N 01E 29	2 14 88	8700210			HUNT	
5	MONTMORENCY	32N 04E 20	1 09 88	8700040			HUNT	
5	MONTMORENCY	31N 04E 32	2 20 88	8700197			FOUND DEAD	
5	MONTMORENCY	31N 03E 21	1 05 88	8700109			HUNT	
5	OTSEGO	31N 01W 09	2 27 88	8700297	M	0.5	HUNT	
5	OTSEGO	29N 02W 17	2 26 88	8700291	M	0.5	HUNT	
5	OTSEGO	32N 01W 35	2 21 88	8701132	M	0.5	HUNT	
5	OTSEGO	29N 02W 25	2 10 88	8700207	M	1.5	HUNT	
5	OTSEGO	31N 01W 04	2 27 88	8700296	M	2.5	HUNT	
5	OTSEGO	29N 02W 24	1 16 88	8700177	M	2.5	HUNT	
5	OTSEGO	31N 01W 34	1 16 88	8700201	M	2.5	HUNT	
5	OTSEGO	31N 02W 06	2 13 88	8701150	M	3.5	HUNT	
5	OTSEGO	31N 02W 14	2 10 88	8700208	M	6.5	HUNT	
5	OTSEGO	31N 02W 27	2 13 88	8700209	F	0.5	HUNT	
5	OTSEGO	29N 04W 23	1 01 87	8700174	F	0.5	HUNT	
5	OTSEGO	29N 01W 19	1 23 88	8700204	F	1.5	HUNT	
5	OTSEGO	32N 01W 35	2 20 88	8701131	F	1.5	HUNT	
5	OTSEGO	31N 01W 21	2 25 88	8700292	F	1.5	HUNT	
5	OTSEGO	31N 01W 11	2 28 88	8700298	F	1.5	HUNT	

APPENDIX II.

1987-88 BOBCAT DATA - REGION II

DIST	COUNTY	LOCATION Twp. Rng. Sec.	DATE Mo. Da. Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
5	OTSEGO	31N 02W 14	1 14 88	8700178	F	1.5	HUNT	
5	OTSEGO	29N 04W 23	2 28 88	8700293	F	2.5	HUNT	
5	OTSEGO	29N 02W 18	1 16 88	8700179	F	3.5	HUNT	
5	OTSEGO	29N 04W 18	2 29 88	8700295	F	4.5	HUNT	+/- 1 YEAR
5	OTSEGO	32N 02W 28	2 03 88	8701141			HUNT	
5	OTSEGO	29N 02W 17	1 15 88	8700175			HUNT	
5	OTSEGO	29N 04W 23	2 28 88	8700294			HUNT	
5	OTSEGO	32N 03W 21	2 29 88	8700299			HUNT	
5	OTSEGO	29N 02W 21	1 10 88	8700180			HUNT	
5	PRESQUE ISLE	36N 02E 21	2 18 88	8700216	M	0.5	HUNT	
5	PRESQUE ISLE	34N 07E 16	2 10 88	8700274	M	0.5	HUNT	
5	PRESQUE ISLE	35N 06E 33	1 28 88	8600177	M	0.5	HUNT	
5	PRESQUE ISLE	35N 02E 11	1 25 88	8600162	M	0.5	HUNT	
5	PRESQUE ISLE	33N 08E 14	2 20 88	8700270	M	1.5	HUNT	
5	PRESQUE ISLE	33N 04E 12	2 13 88	8700193	M	1.5	HUNT	
5	PRESQUE ISLE	35N 02E 23	2 17 88	8700215	M	1.5	HUNT	
5	PRESQUE ISLE	36N 04E 31	2 22 88	8700217	M	1.5	HUNT	
5	PRESQUE ISLE	36N 04E 31	2 23 88	8700218	M	1.5	HUNT	
5	PRESQUE ISLE	35N 03E 08	2 09 88	8700212	M	2.5	HUNT	
5	PRESQUE ISLE	34N 08E 07	2 14 88	8700263	M	2.5	HUNT	
5	PRESQUE ISLE	35N 03E 08	2 09 88	8700211	M	2.5	HUNT	
5	PRESQUE ISLE	37N 02E 27	1 17 88	8600161	M	2.5	HUNT	
5	PRESQUE ISLE	35N 03E 15	1 30 88	8700111	M	3.5	HUNT	
5	PRESQUE ISLE	34N 06E 12	1 08 88	8700260	M	3.5	HUNT	
5	PRESQUE ISLE	36N 02E 02	2 29 88	8700220	M	3.5	HUNT	
5	PRESQUE ISLE	35N 02E 13	2 07 88	8700213	M	4.5	HUNT	
5	PRESQUE ISLE	36N 02E 30	2 28 88	8700219	M	6.5	HUNT	
5	PRESQUE ISLE	34N 03E 27	1 10 88	8700188	M	7.5	HUNT	
5	PRESQUE ISLE				M	10.5		
5	PRESQUE ISLE	33N 03E 13	1 17 88	8700189	F	0.5	HUNT	
5	PRESQUE ISLE	34N 08E 02	2 13 88	8700264	F	0.5	HUNT	
5	PRESQUE ISLE	34N 08E 35	1 17 88	8700255	F	0.5	HUNT	
5	PRESQUE ISLE	34N 08E 35	1 10 88	8700254	F	0.5	HUNT	
5	PRESQUE ISLE	35N 06E 33	1 26 88	8600178	F	0.5	HUNT	
5	PRESQUE ISLE	35N 03E 16	2 08 88	8700214	F	1.5	HUNT	
5	PRESQUE ISLE	34N 05E 07	1 26 88	8700191	F	1.5	HUNT	
5	PRESQUE ISLE				F	6.5		
5	PRESQUE ISLE	33N 05E 05	2 26 88	8700200	F	6.5	HUNT	
5	PRESQUE ISLE	34N 05E 22	2 24 88	8700199	F	6.5	HUNT	+/- 1 YEAR
5	PRESQUE ISLE	33N 04E 27	2 13 88	8700194			HUNT	
5	PRESQUE ISLE	35N 06E 29	1 03 88	8600179			HUNT	
5	PRESQUE ISLE	34N 05E 15	2 14 88	8700195			HUNT	
5	PRESQUE ISLE	35N 06E 21	2 06 88	8701163			HUNT	
5	PRESQUE ISLE	34N 02E 33	3 01 88	8700221			ROAD KILL	
5	PRESQUE ISLE	33N 02E 11	1 17 88	8700333			HUNT	
5	PRESQUE ISLE	34N 07E 17	2 12 88	8700275			HUNT	
5	PRESQUE ISLE	35N 06E 29	1 12 88	8600171			HUNT	
5	PRESQUE ISLE	33N 02E 11	1 17 88	8700332			HUNT	
5	PRESQUE ISLE	33N 04E 12	1 05 88	8700183			HUNT	
5	UNKNOWN				F	1.5		
7	ALCONA		1 09 88	8701082	M	0.5	HUNT	
7	ALCONA	28N 08E 08	1 10 88	8701073	M	0.5	HUNT	
7	ALCONA	28N 08E 12	2 08 88	8700258	M	1.5	HUNT	

APPENDIX II.

1987-88 BOBCAT DATA - REGION II

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
7	ALCONA				M	1.5		
7	ALCONA	20N 07E 29	1 19 88	8701074	M	1.5	HUNT	
7	ALCONA	27N 08E 25	1 17 88	8701113	M	2.5	HUNT	
7	ALCONA	27N 08E 25	1 16 88	8701112	F	0.5	HUNT	
7	ALCONA	28N 07E 14	1 11 88	8701072	F	1.5	HUNT	
7	ALCONA	27N 09E 30	2 09 88	8701079	F	6.5	HUNT	
7	ALCONA	28N 08E 19	1 29 88	8701077			HUNT	
7	ALCONA	25N 05E 26	2 17 88	8701084			HUNT	
7	ALCONA	29N 09E 16	1 26 88	8701075			HUNT	
7	ALCONA	25N 05E 07	1 09 88	8701081			HUNT	
7	ALCONA	26N 07E 18	2 29 88	8701119			HUNT	
7	ALCONA	27N 09E 24	1 29 88	8701115			HUNT	
7	ALCONA	27N 09E 24	1 29 88	8701116			HUNT	
7	ALCONA	27N 09E 24	1 31 88	8701114			HUNT	
7	ALCONA	24N 05E 25	2 14 88	8701080			HUNT	
7	ALCONA	28N 06E 29	2 28 88	8701086			HUNT	
7	ALCONA	29N 09E 16	1 26 88	8701076			HUNT	
7	ALCONA	28N 09E 10	2 09 88	8701078			HUNT	
7	CRAWFORD	25N 02W 26	3 26 88	8701118	M	0.5	ROAD KILL	
7	CRAWFORD	28N 04W	11 14 87		F	0.5	ROAD KILL	
7	IOSCO	21N 06E 12	12 10 87	8701071	M	3.5		
7	OGEMAW	24N 04E 36	2 25 88		F	1.5	ROAD KILL	
7	OGEMAW	23N 03E 14	12 01 87	8601548			TRAP	
7	OSCODA	26N 04E 13	2 18 88	8701063	M	3.5	HUNT	
7	OSCODA	25N 02E 08	1 14 88	8700002	M	7.5	HUNT	
7	OSCODA	26N 04E 13	2 14 88	8701061	F	0.5	HUNT	
7	OSCODA	26N 01E 16	1 19 88	8700013	F	0.5	HUNT	
7	OSCODA	26N 04E 14	2 27 88	8701138	F	0.5	HUNT	
7	OSCODA	26N 03E 13	9 25 88	8700017	F	0.5	HUNT	
7	OSCODA	26N 03E 13	1 25 88	8700018	F	0.5	HUNT	
7	OSCODA	26N 01E 16	2 14 88	8700014	F	0.5	HUNT	
7	OSCODA	26N 04E 14	2 07 88	8701058	F	1.5	HUNT	
7	OSCODA	26N 04E 14	2 06 88	8701059	F	1.5	HUNT	
7	OSCODA	26N 04E 13	2 13 88	8701062	F	3.5	HUNT	
7	OSCODA	27N 02E 35	1 16 88	8701151	F	6.5	HUNT	
7	OSCODA	25N 02E 35	1 02 88	8701122			HUNT	
7	OSCODA	28N 03E 03	1 15 88	8701125			HUNT	
7	OSCODA	26N 01E 15	2 17 88	8700016			HUNT	
7	OSCODA	28N 01E 27	1 10 88	8700041			HUNT	
7	OSCODA	28N 03E 03	1 03 88	8701124			HUNT	
7	ROSCOMMON	23N 04W 16	12 01 87	8701031	M	0.5	ROAD KILL	
7	ROSCOMMON	23N 02W 21	2 24 88	8701136	M	4.5	HUNT	
7	ROSCOMMON	23N 02W 21	2 25 88	8701137	F	2.5	HUNT	
7	UNKNOWN				M	0.5		
7	UNKNOWN				M	1.5		
7	UNKNOWN			8701085	F	1.5		
7	UNKNOWN				F	3.5		
7	UNKNOWN				F	4.5		
8	ARENAC	20N 03E 23	1 05 88	8700010	M	0.5	TRAP	ILLEGAL KILL
8	CLARE	20N 04W 02	1 28 88	8700051	M	0.5	HUNT	
8	CLARE	18N 06W 07	1 24 88	8700047	M	0.5	HUNT	
8	CLARE	20N 05W 31	1 27 88	8700050	M	0.5	HUNT	
8	CLARE	20N 05W 28	2 22 88	8701133	M	0.5	HUNT	

APPENDIX II.

1987-88 BOBCAT DATA - REGION II

DIST	COUNTY	LOCATION Twp.Rng.Sec.	DATE Mo.Da.Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
8	CLARE	20N 05W 06	2 29 88	8701065	M	1.5	HUNT	
8	CLARE	19N 05W 28	2 28 88	8701066	M	2.5	HUNT	
8	CLARE	18N 06W 21	2 12 88	8700055	M	2.5	HUNT	
8	CLARE	20N 05W 28	2 22 88	8701135	M	7.5	HUNT	+/- 1 YEAR
8	CLARE	20N 04W 02	1 18 88	8700012	F	0.5	HUNT	
8	CLARE	20N 05W 28	2 22 88	8701134	F	0.5	HUNT	
8	CLARE	19N 04W 34	1 16 88	8701053	F	0.5	HUNT	
8	CLARE	06N 19W 02	1 13 88	8700046	F	0.5	HUNT	
8	CLARE	18N 05W 01	2 25 88	8701145	F	1.5	HUNT	
8	CLARE	19N 06W 10	1 05 88	8700029	F	2.5	HUNT	
8	CLARE	20N 05W 28	2 13 88	8701060	F	2.5	HUNT	
8	CLARE	20N 05W 21	2 28 88	8701064	F	2.5	HUNT	
8	CLARE	20N 05W 28	2 14 88	8700015	F	2.5	HUNT	
8	CLARE	20N 05W 26	1 30 88	8600946	F	2.5	HUNT	
8	CLARE	20N 04W 05	1 24 88	8700048	F	5.5	HUNT	+/- 1 YEAR
8	CLARE	19N 05W 29	2 28 88	8701067	F	5.5	HUNT	
8	CLARE	19N 06W 08	2 17 88	8701042			HUNT	
8	CLARE	17N 06W 17	2 08 88	8700053			HUNT	
8	CLARE	20N 05W 06	1 12 88	8701052			HUNT	
8	CLARE	17N 05W 25	1 16 88	8701162			HUNT	
8	CLARE	20N 05W 08	2 19 88	8701045			HUNT	
8	CLARE	19N 06W 11	1 27 88	8700049			HUNT	
8	CLARE	20N 04W 09	1 03 88	8701051			HUNT	
8	CLARE	20N 06W 09	1 13 88	8701032			HUNT	
8	CLARE	20N 06W 05	2 22 88	8701044			HUNT	
8	CLARE	18N 06W 32	2 11 88	8700054			HUNT	
8	CLARE	17N 03W 17	1 24 88	8701013			HUNT	
8	CLARE	18N 06W 06	2 15 88	8701165			HUNT	
8	CLARE	20N 06W 04	2 15 88	8701033			HUNT	
8	CLARE	19N 06W 22	2 17 88	8700063			HUNT	
8	CLARE	09N 04W 32	1 24 88	8701054			HUNT	
8	CLARE	19N 06W 02	2 09 88	8700052			HUNT	
8	GLADWIN	20N 01W 27	1 02 88	8701161			HUNT	
UNKNOWN				8700078	M	0.5		
UNKNOWN				8700077	F	2.5		

APPENDIX III.

1987-88 BOBCAT DATA - REGION UNKNOWN

DIST	COUNTY	LOCATION Twp. Rng. Sec.	DATE Mo. Da. Yr.	SEAL NUMBER	SEX	AGE	METHOD	COMMENTS
UNKNOWN					M	1.5		
UNKNOWN					M	5.5		
UNKNOWN					F	0.5		
UNKNOWN					F	1.5		
UNKNOWN					F	1.5		
UNKNOWN			5 16 88		F	2.0	ROAD KILL	

