



STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
WILDLIFE
LANSING, MICHIGAN 48909-7944

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BOBCAT SURVEY - 1999-2000 ^[1]

by

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Introduction


In order to allow the export of bobcat (*Felis rufus*) pelts under the Convention on International Trade in Endangered Species (CITES), the United States Fish and Wildlife Service compiles data on the harvest and status of bobcats. This documentation is necessary to verify the stability of bobcat populations to allow for their continued harvest and the exportation of pelts. This is the twentieth consecutive year of the bobcat survey in Michigan (Cooley et al. 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1997a, 1997b, 1999, and 2000).

During the 1999-2000 bobcat hunting and trapping season, licensed furtakers were allowed 3 bobcats per person. No more than one bobcat could be taken in management Zone 2 by hunting only. As in previous years, the Wildlife Bureau of the Department of Natural Resources required trappers and hunters to submit bobcat skulls or teeth for examination, and pelts for sealing. The age and sex of harvested bobcats were determined by canine tooth examination. Survey results are summarized by management zones (Zone 1 - Upper Peninsula, Zone 2 - Northern Lower Peninsula) in tables 1-3.

Materials & Methods

A lower canine tooth was extracted after the skull was boiled in water for 1 hour. Maximum root width and thickness of the canine allowed for sex determination (Friedrich et al. 1983). Age was estimated by counting cementum annuli in longitudinal thin sections of the tooth root (Crowe 1975).

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Results and Discussion

Zone 1

There were 415 samples submitted from a registered harvest of 560 from Zone 1. The sex ratio of bobcats examined from Zone 1 (Table 1) was 158:100 (actual 254:161) males to females. This was the sixteenth time in twenty years of data collection that the ratio favored males. The percentage of young-of-the-year (29.6%) was more than last year (27.1%). Of the bobcats submitted, 69.6% were less than 3 years of age, which is consistent with previous years' data. The 0-1 years old (29.6%), and the 1-2 year old (24.3%) age classes occurred most frequently in the sample.

Zone 2

There were 185 samples collected from a registered harvest of 217 from Zone 2. The sex ratio of Zone 2 bobcats (Table 2) was 176:100 (actual 118:67) males to females. The percentage of young-of-the-year (23.2%) was up from last year (18.8%). Of the bobcats submitted, 76.8% were less than 3 years of age, which is consistent with previous years' data. The yearling (1-2 years) age class occurred most frequently (31.4%) in the sample.

Zones 1 and 2

The number of bobcats registered during the 1999-2000 season (777) was up from last year (690). The mandatory submission of bobcat heads or teeth to the DNR for examination resulted in 600 useable samples (up from last year's 425 samples) for a compliance rate of 77.2% (600/777). The combined totals of the submitted samples from both zones (Table 3) exhibited a distribution in the age classes and sex ratios consistent with past years.

Management Implications

The collection and examination of bobcat teeth provides baseline information on the status of bobcat populations in Michigan. Using dental measurements for sex determination has allowed for easier data collection. These data, in conjunction with the results from current bobcat research in Michigan will allow the Wildlife Bureau to develop a population model to help assure Michigan trappers and hunters continue to have the opportunity to harvest and export this furbearing species in the future.

Acknowledgments

We thank the bobcat trappers and hunters for their cooperation and Wildlife Bureau personnel for collecting the bobcat heads and teeth and submitting them for examination. Thanks are also extended to Melinda Rath and Kristine Brown for assisting in analysis and to Dona Rumrill for assisting in the preparation of this report.

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Table 1. Estimated age and sex ratio of Zone I bobcats, 1999-2000 season

Age	Number	Male	Female	Percent of Total
0-1	123	68	55	29.6
1-2	101	56	45	24.3
2-3	65	43	22	15.7
3-4	37	25	12	8.9
4-5	32	21	11	7.7
5-6	17	10	7	4.1
6-7	17	12	5	4.1
7-8	10	9	1	2.4
8-9	6	4	2	1.4
9-10	6	5	1	1.4
10-11	1	1		0.2
Total	415	254	161	100

Table 2. Estimated age and sex ratio of Zone II bobcats, 1999-2000 season

Age	Number	Male	Female	Percent of Total
0-1	43	25	18	23.2
1-2	58	36	22	31.4
2-3	41	29	12	22.2
3-4	17	9	8	9.2
4-5	9	6	3	4.9
5-6	9	8	1	4.9
6-7	4	3	1	2.2
7-8	2	1	1	1.1
9-10	2	1	1	1.1
Total	185	118	67	100

Table 3. Estimated age and sex ratio of Zone I and II bobcats, 1999-2000 season

Age	Number	Male	Female	Percent of Total
0-1	166	93	73	27.7
1-2	159	92	67	26.5
2-3	106	72	34	17.7
3-4	54	34	20	9.0
4-5	41	27	14	6.8
5-6	26	18	8	4.3
6-7	21	15	6	3.5
7-8	12	10	2	2.0
8-9	6	4	2	1.0
9-10	8	6	2	1.3
10-11	1	1		0.2
Total	600	372	228	100

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
EUP	Alger	49N	13W	23	02/05/00	9901194	F	M	0.5		Hunting
EUP	Alger	46N	17W	16	02/20/00	9901641	M	M	2.5		Hunting
EUP	Alger	48N	17W	28	02/06/00	9901142	M	M	3.5		Hunting
EUP	Alger	48N	13W	29	12/09/99	9901388	M	IS	IS		Hunting
EUP	Alger	46N	17W	22	02/05/00	9901286	F				Hunting
EUP	Chippewa	43N	01E	1	01/02/00	9901243	F	F	0.5		Hunting
EUP	Chippewa	47N	02W	2	02/07/00	9902235	F	M	0.5		Hunting
EUP	Chippewa	43N	03E	20	02/24/00	9901247	F	M	0.5		Trapping
EUP	Chippewa	44N	03W	18	12/12/99	9902191	M	M	0.5		Hunting
EUP	Chippewa	46N	04W	25	01/28/00	9902126	F	M	0.5		Hunting
EUP	Chippewa	44N	06W	18	01/19/00	9902124	M	M	0.5		Hunting
EUP	Chippewa				02/19/00	9901066	M	M	0.5		Trapping
EUP	Chippewa	46N	01W	7	01/01/00	9901242	F	F	1.5		Trapping
EUP	Chippewa	43N	02E	10	12/11/99	9900534	M	M	1.5		Hunting
EUP	Chippewa	44N	02E	36	02/05/00	9902234	F	M	1.5		Hunting
EUP	Chippewa	44N	01E	6	01/30/00	9900028	M	M	2.5		Hunting
EUP	Chippewa	46N	01W	6	02/10/00	9901246	M	M	2.5		Trapping
EUP	Chippewa	46N	06W	2	12/23/99	9900512	M	M	2.5		Trapping
EUP	Chippewa	50N	06W	1	11/07/99	9900591	F	F	2.5		Trapping
EUP	Chippewa	45N	07W	25	02/10/00	9901481	F	F	2.5		Hunting
EUP	Chippewa	46N	07W	5	01/20/00	9901244	M	M	2.5		Hunting
EUP	Chippewa	42N	02E	6	11/18/99	9901061	M	M	3.5		Trapping
EUP	Chippewa	45N	05W	12	12/11/99	9901751	F	F	3.5		Trapping
EUP	Chippewa	44N	01E	15	01/22/00	9902203	F	M	4.5		Hunting
EUP	Chippewa	41N	05E	4	12/24/99	9901241	F	F	5.5		Trapping
EUP	Chippewa	45N	05W	6	01/31/00	9902106	F	F	6.5	1	Hunting
EUP	Chippewa	45N	07W	26	01/16/00	9901395	F	IS	IS		Trapping
EUP	Chippewa	42N	02E	8	10/30/99	9901232	F				Trapping
EUP	Chippewa	43N	02E	8	11/04/99	9901233	F				Trapping
EUP	Chippewa	43N	02E	6	11/19/99	9901235	M				Trapping
EUP	Chippewa	44N	02E	36	12/01/99	9901683	M				Hunting
EUP	Chippewa	45N	02W	7	02/23/00	9901249	M				Hunting
EUP	Chippewa	42N	03E	29	10/28/99	9901231	F				Road Kill
EUP	Chippewa	45N	04W	2	12/27/99	9901360	M				Hunting
EUP	Chippewa	46N	05W	34	01/16/00	9902104	F				Trapping
EUP	Chippewa	41N	06E	12	12/04/99	9901236	M				Hunting
EUP	Chippewa	44N	06W	19	02/20/00	9901333	M				Hunting
EUP	Chippewa	45N	07W	10	01/16/00	9901120	F				Hunting
EUP	Luce	47N	08W	24	02/07/00	9902245	F	M	0.5		Hunting
EUP	Luce	46N	11W	25	01/09/00	9902201	F	F	0.5		Hunting
EUP	Luce	45N	12W	29	12/06/99	9901387	F	F	0.5		Hunting
EUP	Luce	48N	12W	21	12/18/99	9902041	F	M	0.5		Trapping
EUP	Luce				12/26/99	9902131	F	F	0.5		Hunting
EUP	Luce	46N	09W	28	02/03/00	9902088	F	F	1.5		Hunting
EUP	Luce	47N	10W	26	01/23/00	9902241	M	F	1.5		Hunting
EUP	Luce	45N	08W	12	02/28/00	9901254	F	F	2.5		Trapping
EUP	Luce	49N	08W	36	12/06/99	9901389	F	F	2.5		Trapping
EUP	Luce	45N	10W	27	01/12/00	9901394	F	M	2.5		Trapping
EUP	Luce	46N	11W	36	01/01/00	9901391	F	M	3.5		Trapping
EUP	Luce	46N	11W	16	12/31/99	9902111	M	M	3.5		Hunting
EUP	Luce	46N	12W	22	12/24/99	9900247	F	F	5.5		Trapping
EUP	Luce	45N	08W	12	03/01/00	9901253	M	M	6.5		Trapping
EUP	Luce	45N	11W	28	01/02/00	9901392	M	M	6.5		Hunting
EUP	Luce	45N	08W	31	12/11/99	9901681	F				Hunting

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1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
EUP	Luce	46N	10W	13	01/08/00	9901393	F				Hunting
EUP	Luce	46N	11W	9	12/02/99	9900531	F				Hunting
EUP	Mackinac	42N	01E	23	02/12/00	9901764	F	F	0.5		Hunting
EUP	Mackinac	42N	01E	17	02/13/00	9901769	M	M	0.5		Hunting
EUP	Mackinac	42N	01W	15	02/20/00	9901248	F	F	0.5		Trapping
EUP	Mackinac	42N	01W	14	02/25/00	9901250	M	M	0.5		Trapping
EUP	Mackinac	41N	03W	31	12/18/99	9901377	M	M	0.5		Trapping
EUP	Mackinac	42N	03W	17	01/02/00	9901251	M	M	0.5		Trapping
EUP	Mackinac	40N	04W	19	12/28/99	9900593	F	F	0.5		Hunting
EUP	Mackinac	41N	04W	16	01/15/00	9900553	F	M	0.5		Hunting
EUP	Mackinac	42N	04W	25	01/22/00	9901057	F	F	0.5		Hunting
EUP	Mackinac	43N	04W	3	01/07/00	9901741	M	M	0.5		Hunting
EUP	Mackinac	42N	07W	20	12/27/99	9901352	F	F	0.5		Trapping
EUP	Mackinac	44N	07W	22	01/10/00	9901191	F	F	0.5		Hunting
EUP	Mackinac	44N	07W	7	12/04/99	9902211	F	M	0.5		Hunting
EUP	Mackinac	43N	08W	30	12/15/99	9901684	M	M	0.5		Hunting
EUP	Mackinac	44N	08W	4	01/13/00	9901192	F	M	0.5		Trapping
EUP	Mackinac	41N	11W	5	12/11/99	9901390	F	F	0.5		Trapping
EUP	Mackinac	42N	11W	13	11/08/99	9901181	F	M	0.5		Trapping
EUP	Mackinac	42N	11W	27	12/12/99	9901185	F	F	0.5		Trapping
EUP	Mackinac	43N	11W	27	12/24/99	9901189	F	M	0.5		Road Kill
EUP	Mackinac	43N	11W	17	11/30/99	9901386	F	F	0.5		Hunting
EUP	Mackinac	43N	11W	17	02/29/00	9902196	F	F	0.5		Hunting
EUP	Mackinac	42N	12W	26	01/16/00	9901283	F	M	0.5		Trapping
EUP	Mackinac	43N	12W	35	01/26/00	9901752	M	M	0.5		Hunting
EUP	Mackinac	42N	01E	21	02/12/00	9901763	M	F	1.5		Hunting
EUP	Mackinac	42N	02W	24	12/17/99	9901239	F	F	1.5		Road Kill
EUP	Mackinac	43N	02W	29	02/04/00	9901245	F	F	1.5		Hunting
EUP	Mackinac	42N	04W	12	11/07/99	9901051	F	F	1.5		Trapping
EUP	Mackinac	42N	04W	12	11/05/99	9901052	F	F	1.5		Trapping
EUP	Mackinac	43N	05W	27	12/30/99	9901353	M	M	1.5		Trapping
EUP	Mackinac	42N	06W	25	02/26/00	9901787	F	M	1.5		Hunting
EUP	Mackinac	44N	07W	21	12/18/99	9901187	M	M	1.5		Trapping
EUP	Mackinac	44N	07W	27	02/12/00	9901357	M	M	1.5		Hunting
EUP	Mackinac	44N	07W	33	01/27/00	9901359	F	F	1.5		Hunting
EUP	Mackinac	44N	07W	14	12/18/99	9902081	M	M	1.5		Hunting
EUP	Mackinac	43N	08W	34	02/10/00	9901356	M	M	1.5		Hunting
EUP	Mackinac	43N	08W	22	02/17/00	9901702	M	M	1.5		Hunting
EUP	Mackinac	43N	09W	12	01/19/00	9901193	F	F	1.5		Trapping
EUP	Mackinac	42N	10W	33	02/05/00	9900558	F	F	1.5		Hunting
EUP	Mackinac	44N	10W	5	11/13/99	9901385	M	M	1.5		Hunting
EUP	Mackinac	43N	12W	26	01/22/00	9900445	M	M	1.5		Hunting
EUP	Mackinac	43N	12W	27	10/17/99	9901781	F	M	1.5		Road Kill
EUP	Mackinac	42N	03W	17	01/09/00	9901252	M	F	2.5		Trapping
EUP	Mackinac	43N	03W	14	01/23/00	9901375	F	F	2.5		Trapping
EUP	Mackinac	41N	04W	11	02/24/00	9901173	M	M	2.5		Trapping
EUP	Mackinac	41N	04W	35	11/04/99	9901331	F	F	2.5		Trapping
EUP	Mackinac	41N	04W	21	01/08/00	9901782	M	M	2.5		Hunting
EUP	Mackinac	41N	04W	21	01/08/00	9901784	M	M	2.5		Hunting
EUP	Mackinac	43N	06W	12	02/15/00	9901719	M	M	2.5		Hunting
EUP	Mackinac	43N	07W		01/30/00	9900556	F	F	2.5		Trapping
EUP	Mackinac	43N	07W	7	12/19/99	9902082	M	M	2.5		Hunting
EUP	Mackinac	44N	08W	9	12/12/99	9901186	F	F	2.5		Trapping
EUP	Mackinac	42N	10W	29	12/19/99	9901748	M	M	2.5		Hunting

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
EUP	Mackinac	44N	10W	9	11/04/99	9901190	F	F	2.5		Trapping
EUP	Mackinac	43N	12W	6	11/09/99	9901182	M	M	2.5		Trapping
EUP	Mackinac	42N	01W	10	02/19/00	9901334	M	M	3.5		Hunting
EUP	Mackinac	41N	03W	25	01/03/00	9901372	M	M	3.5		Hunting
EUP	Mackinac	43N	07W	18	02/22/00	9901766	F	F	3.5	1	Hunting
EUP	Mackinac	42N	12W	2	01/02/00	9900441	F	M	3.5		Hunting
EUP	Mackinac	44N	12W	30	02/09/00	9901482	F	F	3.5		Trapping
EUP	Mackinac	41N	04W	21	01/08/00	9901783	F	F	4.5		Hunting
EUP	Mackinac	43N	07W	13	12/31/99	9900513	F	F	4.5		Trapping
EUP	Mackinac	43N	07W	4	12/04/99	9900551	F	F	4.5	1	Hunting
EUP	Mackinac	43N	08W	16	12/18/99	9901188	M	M	4.5		Trapping
EUP	Mackinac	43N	09W	22	11/24/99	9901184	F	F	4.5		Trapping
EUP	Mackinac	43N	12W	35	01/25/00	9901753	F	F	4.5	1	Hunting
EUP	Mackinac	41N	04W	34	02/11/00	9901355	M	M	5.5	1	Hunting
EUP	Mackinac	43N	11W	18	02/18/00	9901196	M	M	5.5		Hunting
EUP	Mackinac	44N	07W	23	02/28/00	9902197	F	F	6.5	1	Hunting
EUP	Mackinac	43N	08W	13	02/22/00	9901767	M	M	6.5		Hunting
EUP	Mackinac	43N	09W	9	02/21/00	9901786	M	M	6.5		Hunting
EUP	Mackinac	43N	11W	17	02/19/00	9901716		M	6.5		Hunting
EUP	Mackinac	42N	01E	28	02/29/00	9902270	M	M	7.5		Trapping
EUP	Mackinac	44N	07W	24	02/21/00	9902114	F	M	7.5	1	Hunting
EUP	Mackinac	43N	11W	6	11/16/99	9901183	M	M	7.5		Trapping
EUP	Mackinac	42N	12W	12	01/27/00	9901130	M	M	7.5		Hunting
EUP	Mackinac	40N	04W	35	11/21/99	9901371	F	F	9.5		Trapping
EUP	Mackinac	43N	07W	20	12/27/99	9901351	M	IS	IS		Trapping
EUP	Mackinac	43N	11W	34	01/22/00	9901396	F	IS	IS		Trapping
EUP	Mackinac	43N	12W	19	01/15/00	9902123	F	IS	IS		Hunting
EUP	Mackinac	42N	02W	2	12/11/99	9901237	F				Trapping
EUP	Mackinac	42N	02W	12	12/12/99	9901238	M				Trapping
EUP	Mackinac	42N	02W	24	11/21/99	9901240	F				Road Kill
EUP	Mackinac	40N	04W	2	01/08/00	9901373	F				Hunting
EUP	Mackinac	41N	04W	10	02/25/00	9900988	M				Hunting
EUP	Mackinac	42N	04W	14	01/08/00	9901374	F				Hunting
EUP	Mackinac	43N	04W	30	01/02/00	9902101	F				Hunting
EUP	Mackinac	42N	05W	23	11/18/99	9901234	M				Trapping
EUP	Mackinac	43N	05W	14	02/20/00	9901332	M				Hunting
EUP	Mackinac	43N	05W	25	01/18/00	9901354	M				Hunting
EUP	Mackinac	43N	07W	13	12/31/99	9900514	F				Trapping
EUP	Mackinac	43N	07W	13	01/01/00	9900515	M				Trapping
EUP	Mackinac	44N	07W	31	01/06/00	9900517	F				Hunting
EUP	Mackinac	43N	12W	27	01/08/00	9900442	M				Hunting
EUP	Schoolcraft	41N	13W	8	01/16/00	9900444	F	M	0.5		Hunting
EUP	Schoolcraft	44N	13W	33	12/23/99	9901054	F	M	0.5		Trapping
EUP	Schoolcraft	44N	13W	20	02/21/00	9902224	F	F	0.5		Hunting
EUP	Schoolcraft	47N	13W	1	10/26/99	9901382	M	M	0.5		Hunting
EUP	Schoolcraft	43N	14W	17	02/20/00	9901291	F	F	0.5		Hunting
EUP	Schoolcraft	44N	15W	32	12/09/99	9900511	F	F	0.5		Trapping
EUP	Schoolcraft	43N	16W	11	02/23/00	9901411	F	F	0.5		Trapping
EUP	Schoolcraft	44N	17W	30	02/06/00	9900209	F	M	0.5		Trapping
EUP	Schoolcraft	42N	14W	25	02/10/00	9901409	F	F	1.5		Hunting
EUP	Schoolcraft	43N	15W	29	02/14/00	9902022	M	M	1.5		Hunting
EUP	Schoolcraft	43N	16W	2	01/08/00	9901404	M	M	1.5		Hunting
EUP	Schoolcraft	40N	17W	27	01/20/00	9901092		F	1.5		Hunting
EUP	Schoolcraft	44N	17W	30	12/15/99	9900018	F	F	1.5		Trapping

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
EUP	Schoolcraft	44N	17W	30	02/06/00	9900210	F	F	1.5		Trapping
EUP	Schoolcraft	43N	13W	29	11/14/99	9901122	F	M	2.5		Trapping
EUP	Schoolcraft	46N	13W	28	12/23/99	9900592	F	F	2.5		Trapping
EUP	Schoolcraft	47N	13W	1	10/26/99	9901383	F	M	2.5		Hunting
EUP	Schoolcraft	41N	17W	23	01/31/00	9901756	M	M	2.5		Hunting
EUP	Schoolcraft	42N	17W	23	02/26/00	9901410	F	F	2.5		Hunting
EUP	Schoolcraft	43N	17W	4	12/07/99	9900596	F	F	2.5		Hunting
EUP	Schoolcraft	45N	13W	14	11/19/99	9901378	M	M	3.5		Trapping
EUP	Schoolcraft	42N	17W	23	01/11/00	9901405	F	M	3.5		Trapping
EUP	Schoolcraft	42N	17W	17	02/25/00	9901412	M	M	3.5		Hunting
EUP	Schoolcraft	43N	17W	27	01/22/00	9901406	M	M	3.5		Hunting
EUP	Schoolcraft	45N	17W	1	02/06/00	9901288	M	M	3.5		Hunting
EUP	Schoolcraft	42N	13W	30	12/21/99	9901403	M	M	4.5		Trapping
EUP	Schoolcraft	47N	13W	1	10/25/99	9901381	M	M	4.5		Trapping
EUP	Schoolcraft	39N	17W	33	01/29/00	9901408	M	M	4.5		Hunting
EUP	Schoolcraft	42N	17W	17	12/31/99	9901124	F	M	4.5		Hunting
EUP	Schoolcraft	42N	13W	8	12/11/99	9901402	M	M	5.5		Hunting
EUP	Schoolcraft	43N	14W	17	02/19/00	9901292	M	M	5.5		Hunting
EUP	Schoolcraft	41N	16W	15	01/23/00	9901407	M	M	5.5		Hunting
EUP	Schoolcraft	43N	16W	22	11/13/99	9901401	F	M	6.5	1	Trapping
EUP	Schoolcraft	46N	14W	7	02/02/00	9900312	M	M	7.5		Hunting
EUP	Schoolcraft	45N	17W	20	02/13/00	9901116	M	M	9.5		Hunting
EUP	Schoolcraft	45N	13W	11	11/19/99	9901379	F	IS	IS		Trapping
EUP	Schoolcraft	45N	13W	14	11/19/99	9901380	F	IS	IS		Trapping
EUP	Schoolcraft	47N	16W	14	02/19/00	9901458	M	IS	IS		Hunting
EUP	Schoolcraft	43N	13W	21	12/18/99	9901053	M				Trapping
EUP	Schoolcraft	44N	14W	1	02/21/00	9902186					Hunting
EUP	Schoolcraft	44N	14W	1	02/21/00	9902187	F				Hunting
EUP	Schoolcraft	46N	15W	24	10/31/99	9900671	M				Trapping
EUP	Schoolcraft	43N	16W	26	12/11/99	9900532	F				Hunting
EUP	Schoolcraft	46N	16W	9		9901289	M				Hunting
WUP	Alger	44N	20W	7	02/17/00	9900092	M	M	0.5		Trapping
WUP	Alger	44N	21W	3	12/17/99	9900020	F	F	0.5		Trapping
WUP	Alger	45N	21W	14	01/18/00	9900250	M	M	0.5		Trapping
WUP	Alger	45N	21W	14	01/18/00	9900251	F	F	0.5		Trapping
WUP	Alger	44N	20W	7	02/17/00	9900093	F	M	1.5		Trapping
WUP	Alger	46N	22W	27	11/01/99	9901384	M	M	1.5		Trapping
WUP	Alger	44N	22W	32	02/13/00	9900350	F	M	2.5		Road Kill
WUP	Alger	44N	22W	26	12/12/99	9900533	M	M	2.5		Trapping
WUP	Alger	46N	22W	18	11/10/99	9900241	M	M	2.5		Trapping
WUP	Alger	44N	20W	16	02/05/00	9901287	M	M	3.5		Hunting
WUP	Alger	44N	20W	25	11/19/99	9900006	F				Trapping
WUP	Alger	44N	20W	6	03/02/00	9900097	M				Trapping
WUP	Alger	44N	21W	3	12/15/99	9900051	F				Trapping
WUP	Alger	44N	21W	32	02/23/00	9900098					Trapping
WUP	Alger	45N	21W	20	01/22/00	9901285	F				Trapping
WUP	Baraga	47N	35W	25	01/15/00	9900538	F	F	1.5		Hunting
WUP	Baraga	48N	31W	22	11/26/99	9901773	F	M	2.5		Road Kill
WUP	Baraga	50N	33W	7	02/07/00	9902140	M	M	2.5		Hunting
WUP	Baraga	51N	32W	21	12/14/99	9901873	F	F	3.5		Trapping
WUP	Baraga	47N	33W	25	01/07/00	9900536	M	M	5.5		Hunting
WUP	Baraga	47N	34W	35	12/01/99	9901798	F	F	5.5	1	Trapping
WUP	Baraga	49N	32W	7	02/04/00	9901141	M	M	7.5		Trapping
WUP	Baraga	51N	30W	4	12/02/99	9901872	F	F	8.5	1	Trapping

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
WUP	Baraga	52N	30W	32	11/26/99	9901896	M				Trapping
WUP	Baraga	51N	32W	24	01/15/00	9902002	M				Trapping
WUP	Baraga	48N	33W	23	12/24/99	9901795	M				Trapping
WUP	Baraga	51N	33W	8	11/18/99	9901893	F				Trapping
WUP	Baraga	52N	33W	7	01/07/00	9902001	F				Trapping
WUP	Baraga	47N	34W	25	02/25/00	9902018	F				Trapping
WUP	Baraga	48N	34W	35	02/27/00	9902017	M				Trapping
WUP	Delta	40N	18W	28	02/07/00	9901455	M	M	0.5		Trapping
WUP	Delta	38N	19W	17	02/12/00	9900203	F	F	0.5		Trapping
WUP	Delta	38N	19W	21	02/01/00	9901453	M	M	0.5		Trapping
WUP	Delta	41N	19W	17	12/05/99	9901452	F	F	0.5		Trapping
WUP	Delta	40N	20W	17	01/07/00	9902091	F	F	0.5		Hunting
WUP	Delta	43N	20W	30	11/17/99	9900005	F	F	0.5		Trapping
WUP	Delta	38N	21W	5	02/20/00	9901118	M	M	0.5		Hunting
WUP	Delta	39N	21W	9	01/20/00	9900025	F	F	0.5		Trapping
WUP	Delta	39N	21W	15	01/08/00	9900060	F	M	0.5		Hunting
WUP	Delta	39N	21W	33	02/22/00	9901175	F	M	0.5		Hunting
WUP	Delta	43N	22W	35	11/13/99	9900011A	M	F	0.5		Trapping
WUP	Delta	42N	23W	12	01/09/00	9900059	F	M	0.5		Trapping
WUP	Delta	42N	23W	29	02/15/00	9900202	F	M	0.5		Trapping
WUP	Delta	43N	23W	33	12/12/99	9900010	F	F	0.5		Trapping
WUP	Delta	37N	24W	12	02/10/00	9900207	F	F	0.5		Trapping
WUP	Delta	37N	24W	12	02/10/00	9900208	F	F	0.5		Trapping
WUP	Delta	39N	24W	13	01/17/00	9900022	M	M	0.5		Trapping
WUP	Delta	39N	24W	13	01/17/00	9900023	M	M	0.5		Trapping
WUP	Delta	40N	24W	13	11/02/99	9900002	F	M	0.5		Trapping
WUP	Delta	40N	18W	24	02/29/00	9901413	M	M	1.5		Trapping
WUP	Delta	39N	21W	32	02/22/00	9901176	F	F	1.5		Hunting
WUP	Delta	39N	21W	15	01/28/00	9902076	M	M	1.5		Hunting
WUP	Delta	43N	21W	33	02/04/00	9901712	M	M	1.5		Hunting
WUP	Delta	39N	22W	12	12/20/99	9900052	F	F	1.5		Trapping
WUP	Delta	40N	22W	20	10/30/99	9900001	F	F	1.5		Trapping
WUP	Delta	38N	23W	32	12/15/99	9900015	F	F	1.5		Trapping
WUP	Delta	39N	23W	33	11/15/99	9900004	F	F	1.5		Road Kill
WUP	Delta	40N	23W	13	12/03/99	9900013	F	M	1.5		Trapping
WUP	Delta	41N	23W	9	01/29/00	9900518	F	M	1.5		Hunting
WUP	Delta	37N	24W	33	02/29/00	9900100	F	M	1.5		Hunting
WUP	Delta	40N	24W	23	12/01/99	9900011B	F	M	1.5		Hunting
WUP	Delta	39N	18W	15	02/06/00	9901114	M	M	2.5		Hunting
WUP	Delta	43N	21W	26	02/05/00	9900519	F	F	2.5		Hunting
WUP	Delta	39N	22W	24	02/06/00	9900029	M	M	2.5		Trapping
WUP	Delta	42N	22W	14	01/02/00	9900046	F	F	2.5		Trapping
WUP	Delta	38N	23W	31	02/26/00	9900096	F	F	2.5		Trapping
WUP	Delta	40N	20W	18	02/21/00	9901174	F	M	3.5		Hunting
WUP	Delta	41N	20W	3	12/07/99	9901451	F	F	3.5		Road Kill
WUP	Delta	43N	21W	28	12/02/99	9900009	M	M	3.5		Hunting
WUP	Delta	43N	23W	33	12/12/99	9900014	F	F	3.5		Trapping
WUP	Delta	37N	24W	28	02/21/00	9900205	F	M	3.5		Hunting
WUP	Delta	42N	18W	1	12/01/99	9901780	M	F	4.5		Hunting
WUP	Delta	39N	21W	34	02/23/00	9901177	F	F	4.5	1	Hunting
WUP	Delta	43N	22W	35	11/13/99	9900012A	F	F	4.5	1	Trapping
WUP	Delta	43N	23W	18	01/06/00	9900057	F	F	4.5	1	Trapping
WUP	Delta	39N	24W	25	02/25/00	9900095	F	F	4.5	1	Trapping
WUP	Delta	43N	19W	17	02/03/00	9901195	M	M	5.5	1	Hunting

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
WUP	Delta	42N	20W	13	01/01/00	9901123	M	F	5.5		Hunting
WUP	Delta	39N	21W	9	01/06/00	9900058	F	F	5.5	1	Trapping
WUP	Delta	41N	18W	8	01/23/00	9900597	M	M	6.5		Hunting
WUP	Delta	41N	23W	11	01/07/00	9900021	M	M	6.5		Trapping
WUP	Delta	42N	23W	34	02/20/00	9900520	F	F	6.5	1	Hunting
WUP	Delta	37N	19W	2	02/10/00	9901454	M	M	7.5	1	Trapping
WUP	Delta	43N	21W	5	02/18/00	9900091	M	M	7.5		Trapping
WUP	Delta	40N	23W	28	01/28/00	9900027	F	F	7.5	1	Trapping
WUP	Delta	37N	24W	10	01/06/00	9900048	M	M	10.5		Trapping
WUP	Delta	40N	18W	16	02/13/00	9900204	F	IS	IS		Trapping
WUP	Delta	40N	18W	28	02/08/00	9901456	F	IS	IS		Trapping
WUP	Delta	40N	18W	28	02/12/00	9901457	M	IS	IS		Trapping
WUP	Delta	40N	18W	33	02/28/00	9901459	M	IS	IS		Trapping
WUP	Delta	38N	23W	20	12/29/99	9900045	M	IS	IS		Trapping
WUP	Delta	39N	18W	10	02/28/00	9900541	F				Hunting
WUP	Delta	39N	21W	32	02/18/00	9902023	M				Hunting
WUP	Delta	41N	21W	29	11/15/99	9900003	F				Road Kill
WUP	Delta	43N	21W	26	12/31/99	9900055	F				Hunting
WUP	Delta	43N	21W	26	12/31/99	9900056	M				Hunting
WUP	Delta	40N	22W	25	01/09/00	9900030	F				Trapping
WUP	Delta	41N	22W	9	06/16/99	9800037	F				Road Kill
WUP	Delta	38N	23W	20	12/22/99	9900026	F				Trapping
WUP	Delta	38N	23W	20	02/19/00	9900094	F				Trapping
WUP	Delta	39N	24W	26	02/28/00	9900031	F				Road Kill
WUP	Delta	40N	24W	23	12/01/99	9900043	M				Trapping
WUP	Delta	40N	24W	23	12/01/99	9900044	M				Trapping
WUP	Dickinson	44N	27W	2	02/24/00	9900320	F	F	0.5		Hunting
WUP	Dickinson	44N	27W	32	01/29/00	9902205	F	M	0.5		Hunting
WUP	Dickinson	42N	28W	31	11/09/99	9900008	M	F	0.5		Road Kill
WUP	Dickinson	42N	28W	20	02/12/00	9900710	F	F	0.5		Trapping
WUP	Dickinson	43N	28W	21	12/31/99	9901740	F	M	0.5		Hunting
WUP	Dickinson	44N	28W	3	11/28/99	9900303	F	M	0.5		Trapping
WUP	Dickinson	40N	29W	9	11/06/99	9900685	F	F	0.5		Trapping
WUP	Dickinson	41N	29W	7	12/01/99	9900963	F	F	0.5		Trapping
WUP	Dickinson	41N	29W	7	12/04/99	9900964	F	F	0.5		Trapping
WUP	Dickinson	43N	29W	22	02/19/00	9902200	F	M	0.5		Hunting
WUP	Dickinson	43N	27W	36	01/21/00	9901112	M	M	1.5		Hunting
WUP	Dickinson	43N	28W	21	01/25/00	9900492	M	M	1.5		Hunting
WUP	Dickinson	43N	28W	21	01/01/00	9901750	M	M	1.5		Hunting
WUP	Dickinson	44N	28W	31	12/23/99	9901759	F	F	1.5		Hunting
WUP	Dickinson	39N	29W	22	02/29/00	9900716	M	F	1.5		Trapping
WUP	Dickinson	40N	29W	5	11/09/99	9900687	F	F	1.5		Trapping
WUP	Dickinson	40N	29W	11	12/11/99	9900695	M	M	1.5		Trapping
WUP	Dickinson	41N	29W	21	01/09/00	9900703	M	M	1.5		Trapping
WUP	Dickinson	41N	29W	7	12/04/99	9900965	F	F	1.5		Trapping
WUP	Dickinson	43N	29W	16	12/31/99	9900699	F	F	1.5		Trapping
WUP	Dickinson	44N	29W	33	02/11/00	9900709	M	M	1.5		Trapping
WUP	Dickinson	40N	28W	13	02/07/00	9900708	F	M	2.5		Hunting
WUP	Dickinson	40N	28W	29	01/31/00	9901708	F	F	2.5		Hunting
WUP	Dickinson	42N	28W	25	02/02/00	9900969	M	M	2.5		Trapping
WUP	Dickinson	41N	30W	25	02/17/00	9900711	M	M	2.5		Trapping
WUP	Dickinson	42N	28W	36	01/16/00	9900349	M	M	3.5		Hunting
WUP	Dickinson	42N	28W	25	02/02/00	9900970	M	M	3.5		Trapping
WUP	Dickinson	43N	28W	19	01/08/00	9901735	F	F	3.5		Hunting

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
WUP	Dickinson	42N	30W	1	01/16/00	9900705	F	M	3.5		Trapping
WUP	Dickinson	39N	29W	22	02/29/00	9900717	M	M	4.5		Trapping
WUP	Dickinson	44N	30W	2	01/01/00	9902039	M	M	4.5		Hunting
WUP	Dickinson	41N	28W	3	12/04/99	9900016	M	F	5.5		Hunting
WUP	Dickinson	42N	28W	20	12/15/99	9900967	F	F	5.5		Trapping
WUP	Dickinson	40N	29W	9	11/09/99	9900686	F	M	5.5	1	Trapping
WUP	Dickinson	41N	27W	23	12/06/99	9900966	M				Trapping
WUP	Dickinson	39N	28W	26	10/29/99	9900682	F				Trapping
WUP	Dickinson	39N	28W	26	11/11/99	9900688	F				Trapping
WUP	Dickinson	39N	28W	14	01/15/00	9900704	M				Trapping
WUP	Dickinson	43N	28W	22	11/17/99	9900961	M				Road Kill
WUP	Dickinson	43N	28W	22	11/17/99	9900962	M				Road Kill
WUP	Dickinson	42N	29W	23	11/12/99	9900690	M				Trapping
WUP	Dickinson	42N	29W	16	02/23/00	9900712	M				Trapping
WUP	Dickinson	42N	29W	16	02/23/00	9900713	F				Trapping
WUP	Gogebic	46N	41W	19	12/08/99	9901862	M	M	0.5		Trapping
WUP	Gogebic	46N	41W	19	12/05/99	9901863	F	F	0.5		Trapping
WUP	Gogebic	46N	41W	31	01/20/00	9900922	M	M	1.5		Hunting
WUP	Gogebic	48N	44W	21	12/11/99	9901865	F	F	1.5		Trapping
WUP	Gogebic	45N	39W	8	01/30/00	9901828	F	M	2.5		Trapping
WUP	Gogebic	46N	43W	25	01/11/00	9900552	M	M	2.5		Hunting
WUP	Gogebic	45N	44W	15	01/28/00	9900557	M	M	2.5		Hunting
WUP	Gogebic	46N	41W	19	12/09/99	9901861	M	F	3.5	1	Trapping
WUP	Gogebic	47N	42W	14	12/08/99	9901864	F	M	6.5		Trapping
WUP	Gogebic	45N	39W	22	06/05/00	9901081	F				Road Kill
WUP	Gogebic	45N	42W	16	01/30/00	9901842	M				Trapping
WUP	Gogebic	45N	42W	20	01/25/00	9901866	F				Trapping
WUP	Gogebic	45N	43W	16	02/10/00	9901853	F				Trapping
WUP	Gogebic	46N	43W	18	01/30/00	9901851	F				Trapping
WUP	Gogebic	46N	45W	12	02/05/00	9901852	F				Trapping
WUP	Gogebic	46N	46W	36	02/15/00	9901854	M				Trapping
WUP	Gogebic	46N	47W	35	11/02/99	9901841	M				Trapping
WUP	Houghton	56N	33W	14	02/01/00	9901901	F	M	0.5		Hunting
WUP	Houghton	56N	33W	16	01/31/00	9901902	M	M	0.5		Trapping
WUP	Houghton	55N	34W	4	02/16/00	9901907	F	F	0.5		Trapping
WUP	Houghton	54N	36W	31	02/15/00	9901906	F	M	0.5		Hunting
WUP	Houghton	47N	37W	24	01/01/00	9902121	F	M	0.5		Hunting
WUP	Houghton	47N	37W	13	01/01/00	9902122	F	F	0.5		Hunting
WUP	Houghton	56N	32W	6	02/12/00	9901905	M	M	1.5		Trapping
WUP	Houghton	48N	36W	20	12/10/99	9901897	F	F	1.5		Trapping
WUP	Houghton	52N	36W	19	12/15/99	9901882	F	F	1.5		Trapping
WUP	Houghton	52N	36W	30	11/29/99	9901881	M	M	2.5		Trapping
WUP	Houghton	56N	33W	16	02/19/00	9901908	M	M	4.5		Trapping
WUP	Houghton	49N	37W	13	12/12/99	9901899	M	M	7.5		Trapping
WUP	Houghton	50N	36W	9	12/10/99	9901898	F	F	8.5	2	Trapping
WUP	Houghton	56N	33W	16	01/21/00	9901885	F	M	9.5	2	Trapping
WUP	Houghton	55N	31W	20	02/07/00	9901903	F				Trapping
WUP	Houghton	55N	33W	17	03/01/00	9901911	F				Road Kill
WUP	Houghton	52N	34W	20	12/16/99	9901874	M				Trapping
WUP	Houghton	52N	34W	17	02/11/00	9902003	M				Trapping
WUP	Houghton	53N	34W	3	12/12/99	9901894	M				Trapping
WUP	Houghton	55N	34W	4	02/12/00	9901904	F				Trapping
WUP	Houghton	56N	34W	1	12/29/00	9901883	F				Trapping
WUP	Houghton	47N	35W	4	01/07/00	9902020	M				Trapping

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
WUP	Houghton	48N	36W	22	12/23/99	9901794	F				Trapping
WUP	Houghton	48N	36W	32	12/24/99	9901796	F				Trapping
WUP	Houghton	48N	37W	25	09/30/99	9801983	F				Trapping
WUP	Houghton	48N	37W	35	02/21/00	9902011	F				Trapping
WUP	Houghton	48N	37W	35	02/29/00	9902016	F				Trapping
WUP	Iron	43N	31W	26	12/01/99	9900907	F	M	0.5		Trapping
WUP	Iron	43N	31W	8	12/14/99	9900945	F	M	0.5		Trapping
WUP	Iron	42N	32W	22	01/13/00	9900930	F	M	0.5		Trapping
WUP	Iron	46N	32W	32	12/11/99	9900910	M	M	0.5		Trapping
WUP	Iron	46N	32W	32	12/06/99	9900941	F	F	0.5		Trapping
WUP	Iron	44N	33W	28	11/21/99	9900903	F	F	0.5		Trapping
WUP	Iron	44N	33W	32	12/08/99	9900909	M	M	0.5		Trapping
WUP	Iron	44N	33W	28	02/04/00	9900933	F	F	0.5		Trapping
WUP	Iron	44N	33W	32	12/14/99	9900946	F	F	0.5		Trapping
WUP	Iron	43N	34W	34	12/04/99	9900944	M	F	0.5		Trapping
WUP	Iron	46N	35W	15	12/18/99	9901760	M	M	0.5		Hunting
WUP	Iron	46N	35W	15	12/05/99	9902040	F	F	0.5		Trapping
WUP	Iron	43N	31W	17	01/22/00	9900931	F	F	1.5		Hunting
WUP	Iron	43N	32W	10	12/19/99	9900535	M	M	1.5		Trapping
WUP	Iron	44N	32W	36	12/26/99	9900947	F	F	1.5		Trapping
WUP	Iron	44N	32W	21	12/26/99	9900948	F	F	1.5		Trapping
WUP	Iron	46N	32W	32	12/06/99	9900942	F	M	1.5		Trapping
WUP	Iron	42N	33W	21	02/23/00	9900939	F	M	1.5		Hunting
WUP	Iron	43N	33W	18	02/21/00	9900938	F	M	1.5		Trapping
WUP	Iron	45N	35W	21	11/27/99	9900904	F	F	1.5		Trapping
WUP	Iron	45N	35W	35	02/13/00	9901762	M	M	1.5		Hunting
WUP	Iron	45N	36W	9	01/17/00	9900924	M	M	1.5		Hunting
WUP	Iron	43N	37W	4	01/23/00	9900925	F	M	1.5		Hunting
WUP	Iron	43N	37W	3	12/02/99	9901871	F	F	1.5		Trapping
WUP	Iron	44N	37W	22	01/29/00	9901827	M	M	1.5		Hunting
WUP	Iron	42N	35W	35	02/03/00	9900932	F	M	2.5		Trapping
WUP	Iron	43N	35W	23	12/10/99	9901895	M	M	2.5		Trapping
WUP	Iron	45N	37W	34	01/19/00	9900923	M	M	3.5		Hunting
WUP	Iron	42N	32W	22	01/13/00	9900929	M	M	4.5		Trapping
WUP	Iron	43N	34W	34	12/03/99	9900943	F	M	4.5		Trapping
WUP	Iron	43N	37W	4	01/23/00	9900940	M	M	4.5		Hunting
WUP	Iron	45N	35W	16	02/13/00	9901761	M	M	6.5		Hunting
WUP	Iron	43N	37W	4	01/22/00	9900926	M	M	8.5		Hunting
WUP	Iron	43N	37W	4	01/22/00	9900927	M	M	8.5		Hunting
WUP	Iron	43N	37W	4	01/22/00	9900928	M	M	9.5	2	Hunting
WUP	Iron	45N	37W	32	02/20/00	9900937	M	M	9.5		Hunting
WUP	Iron	43N	31W	16	02/20/00	9900936	M				Trapping
WUP	Iron	43N	31W	8	12/24/99	9900950					Trapping
WUP	Iron	43N	32W	26	02/25/00	9900487	M				Road Kill
WUP	Iron	45N	32W	5	11/25/99	9900906	M				Trapping
WUP	Iron	45N	32W	3	12/03/99	9900908	F				Trapping
WUP	Iron	43N	33W	30	03/03/00	9900489	F				Road Kill
WUP	Iron	45N	33W	31	02/05/00	9900911	M				Hunting
WUP	Iron	45N	33W	31	01/29/00	9900912	M				Hunting
WUP	Iron	43N	34W	23	11/09/99	9900902	F				Trapping
WUP	Iron	46N	34W	35	12/01/99	9900692	M				Trapping
WUP	Iron	46N	34W	2	02/19/00	9900913	M				Hunting
WUP	Iron	42N	35W	35	02/13/00	9900935	F				Trapping
WUP	Iron	42N	35W	35	01/03/00	9900949	F				Trapping

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
WUP	Iron	45N	35W	9	11/27/99	9900905	M				Trapping
WUP	Iron	43N	37W	14	10/26/99	9900901	F				Trapping
WUP	Keweenaw	56N	31W	33	01/01/00	9901884	F	F	2.5		Trapping
WUP	Keweenaw	57N	33W	27	01/22/00	9901886	F				Trapping
WUP	Marquette	43N	24W	4	01/10/00	9900348		M	0.5		Hunting
WUP	Marquette	44N	24W	36	12/04/99	9900346	F	F	0.5		Trapping
WUP	Marquette	42N	25W	10	12/26/99	9900042	F	M	0.5		Trapping
WUP	Marquette	42N	25W	10	12/31/99	9900054	F	M	0.5		Trapping
WUP	Marquette	45N	28W	29	02/13/00	9900309	F	M	0.5		Trapping
WUP	Marquette	47N	28W	8	02/01/00	9900311	F	M	0.5		Trapping
WUP	Marquette	46N	30W	23	02/18/00	9900315	M	M	0.5		Trapping
WUP	Marquette	44N	24W	24	10/25/99	9900341	M	M	1.5		Trapping
WUP	Marquette	44N	25W	16	10/25/99	9900342	F	M	1.5		Trapping
WUP	Marquette	42N	26W	31	12/16/99	9900968	F	M	1.5		Hunting
WUP	Marquette	42N	26W	11	01/09/00	9902103	F	F	1.5		Trapping
WUP	Marquette	43N	26W	25	11/19/99	9900007	F	M	1.5		Trapping
WUP	Marquette	44N	26W	16	10/26/99	9900343	F	F	1.5		Trapping
WUP	Marquette	47N	26W	31	12/01/99	9900243	F	F	1.5		Hunting
WUP	Marquette	48N	26W	17	12/06/99	9900245	F	M	1.5		Trapping
WUP	Marquette	47N	27W	33	02/20/00	9900316	M	M	1.5		Trapping
WUP	Marquette	48N	27W	29	02/07/00	9900317	M	M	1.5		Trapping
WUP	Marquette	48N	27W	29	01/24/00	9900318	M	F	1.5		Trapping
WUP	Marquette	48N	27W	33	02/28/00	9900319	F	F	1.5		Trapping
WUP	Marquette	46N	30W	19	02/13/00	9900321	M	F	1.5		Trapping
WUP	Marquette	43N	24W	9	11/14/99	9900344	M	M	2.5		Trapping
WUP	Marquette	44N	24W	36	12/04/99	9900345	F	M	2.5		Trapping
WUP	Marquette	51N	27W	26	12/20/99	9900246	M	M	2.5		Trapping
WUP	Marquette	46N	29W	27	12/09/99	9900305	M	M	2.5		Trapping
WUP	Marquette	48N	30W	17	12/05/99	9900244	F	F	2.5		Trapping
WUP	Marquette	48N	30W	12	11/10/99	9900302	M	M	2.5		Trapping
WUP	Marquette	47N	24W	32	01/26/00	9900249	M	M	3.5		Trapping
WUP	Marquette	42N	26W	13	01/16/00	9901284	M	M	3.5	1	Hunting
WUP	Marquette	46N	30W	19	02/29/00	9900322	F	M	3.5		Trapping
WUP	Marquette	46N	23W	5	12/30/99	9900248	F	M	4.5		Hunting
WUP	Marquette	43N	24W	15	12/30/99	9900516	M	M	4.5		Hunting
WUP	Marquette	44N	24W	36	12/06/99	9900347	M	M	4.5		Trapping
WUP	Marquette	44N	26W	24	02/01/00	9900313	M	M	4.5		Hunting
WUP	Marquette	50N	26W	20	11/27/99	9900242	M	M	4.5		Trapping
WUP	Marquette	42N	26W	13	01/15/00	9901282	M	M	6.5		Hunting
WUP	Marquette	47N	28W	8	12/04/99	9900304	F	F	6.5		Trapping
WUP	Marquette	45N	26W	31	02/11/00	9900314	M	M	8.5		Trapping
WUP	Marquette	42N	25W	10	12/26/99	9900041	F	F	IS		Trapping
WUP	Marquette	47N	23W	16	02/25/00	9900254	F				Hunting
WUP	Marquette	45N	25W	16	03/23/00	9900104					Road Kill
WUP	Marquette	45N	25W	22	02/28/00	9900255					Trapping
WUP	Marquette	48N	26W	34	12/15/99	9900307	M				Trapping
WUP	Marquette	48N	28W	20	10/27/99	9900310	F				Trapping
WUP	Marquette	45N	29W	21	12/11/99	9900306	F				Trapping
WUP	Marquette	46N	29W	29	02/07/00	9901290	F				Hunting
WUP	Marquette	48N	29W	34	11/03/99	9900301	F				Trapping
WUP	Menominee	35N	25W	1	01/28/00	9900252	F	M	0.5		Trapping
WUP	Menominee	34N	26W	15	01/08/00	9900228	F	F	0.5		Hunting
WUP	Menominee	36N	26W	30	11/03/99	9900214	M	M	0.5		Trapping
WUP	Menominee	37N	26W	32	12/24/99	9900230	F	M	0.5		Trapping

APPENDIX I.

1999-2000 BOBCAT DATA - ZONE 1

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
WUP	Menominee	38N	26W	4	01/06/00	9900229	F	F	0.5		Hunting
WUP	Menominee	39N	26W	23	12/31/99	9900696	F	M	0.5		Trapping
WUP	Menominee	33N	27W	33	10/31/99	9900212	M	M	0.5		Trapping
WUP	Menominee	33N	27W	33	10/30/99	9900213	F	F	0.5		Trapping
WUP	Menominee	39N	27W	18	01/23/00	9900231	F	F	0.5		Hunting
WUP	Menominee	37N	28W	16	12/06/99	9900216	F	M	0.5		Trapping
WUP	Menominee	37N	28W	16	12/04/99	9900217	M	M	0.5		Trapping
WUP	Menominee	37N	28W	16	12/05/99	9900218	M	M	0.5		Trapping
WUP	Menominee	37N	28W	29	01/23/00	9900225	F	F	0.5		Trapping
WUP	Menominee	38N	28W	10	11/11/99	9900689	F	F	0.5		Trapping
WUP	Menominee	35N	25W	1	01/29/00	9900253		F	1.5		Trapping
WUP	Menominee	38N	25W	18	12/06/99	9900012B	F	F	1.5		Trapping
WUP	Menominee	39N	25W	4	02/15/00	9900206	F	F	1.5		Trapping
WUP	Menominee	34N	26W	33	01/12/00	9900226	M	M	1.5		Trapping
WUP	Menominee	36N	26W	24	12/31/99	9900223	M	M	1.5		Trapping
WUP	Menominee	37N	26W	19	12/04/99	9900693	M	F	1.5		Hunting
WUP	Menominee	41N	26W	17	12/15/99	9900019	M	M	1.5		Trapping
WUP	Menominee	41N	26W	16	01/01/00	9900047	F	M	1.5		Trapping
WUP	Menominee	36N	27W	29	12/09/99	9900221		F	1.5		Hunting
WUP	Menominee	38N	27W	14	12/07/99	9900694	M	M	1.5		Hunting
WUP	Menominee	39N	27W	15	02/15/00	9900071	M	M	1.5		Hunting
WUP	Menominee	39N	27W	13	02/16/00	9900074	M	M	1.5		Hunting
WUP	Menominee	40N	27W	34	02/13/00	9900934	F	F	1.5		Hunting
WUP	Menominee	36N	28W	23	02/17/00	9900235	M	M	1.5		Trapping
WUP	Menominee	37N	28W	32	11/25/99	9900691	F	F	1.5		Trapping
WUP	Menominee	36N	25W	22	02/02/00	9900239	M	M	2.5		Trapping
WUP	Menominee	37N	26W	32	01/12/00	9900227	F	F	2.5		Trapping
WUP	Menominee	39N	26W	23	12/29/99	9900698	F	F	2.5		Trapping

APPENDIX II.

1999-2000 BOBCAT DATA - ZONE 2

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
NE	Alcona	26N	06E	24	02/03/00	9902139	F	M	0.5		Hunting
NE	Alcona	27N	08E	14	02/16/00	9902181	F	M	0.5		Hunting
NE	Alcona	27N	07E	29	02/26/00	9900584	M	M	1.5		Hunting
NE	Alcona	25N	05E	13	02/03/00	9901720	F	F	1.5		Hunting
NE	Alcona	28N	07E	19	01/17/00	9901754	F	M	1.5		Hunting
NE	Alcona	26N	05E	11	02/20/00	9901768	F	M	1.5		Hunting
NE	Alcona	25N	08E	12	01/15/00	9902132	F	F	1.5		Hunting
NE	Alcona	27N	08E	24	01/29/00	9902136	M	M	1.5		Hunting
NE	Alcona	27N	08E	25	01/31/00	9902137	M	M	1.5		Hunting
NE	Alcona	27N	08E	22	01/26/00	9902138	M	M	1.5		Hunting
NE	Alcona	25N	05E	14	01/08/00	9902071	M	M	2.5		Hunting
NE	Alcona	26N	06E	28	02/20/00	9902195	M	M	2.5		Hunting
NE	Alcona	27N	08E	14	02/14/00	9902189	F	F	4.5		Hunting
NE	Alcona	25N	05E	26	02/26/00	9902226	F	F	6.5		Hunting
NE	Alcona	26N	07E	3	01/17/00	9802102	M				Hunting
NE	Alcona	26N	07E	4	02/05/00	9802103	F				Hunting
NE	Alcona	25N	08E	25	02/14/00	9802104					Hunting
NE	Alcona	25N	09E	33	02/13/00	9802105					Hunting
NE	Alcona	27N	08E	28	02/23/00	9802107	M				Hunting
NE	Alcona	25N	09E	29	02/18/00	9902183	M				Hunting
NE	Alcona	27N	07E	29	02/19/00	9902184	M				Hunting
NE	Alcona	26N	05E	16	02/18/00	9902185	M				Hunting
NE	Alcona	25N	07E	10	11/18/99	i-9801276	F				Accidental Trap
NE	Alpena	31N	05E	23	01/25/00	9902204	M	M	2.5		Hunting
NE	Alpena	30N	06E	23	02/13/00	9902182	M	M	4.5		Hunting
NE	Alpena	31N	09E	34	02/05/00	9901755	F				Hunting
NE	Alpena	29N	06E	10	01/02/00	9901758	F				Hunting
NE	Antrim	32N	09W	36	02/19/00	9900493	M				Hunting
NE	Antrim	29N	09W		05/14/99	9901121	M				Road Kill
NE	Charlevoix	33N	05W	19	01/19/00	9901128	M	F	1.5		Road Kill
NE	Charlevoix	33N	05W	22	01/08/00	9901070	F	F	2.5		Hunting
NE	Charlevoix	33N	04W	19	02/05/00	9901113	M	M	3.5		Hunting
NE	Charlevoix	33N	05W	34	01/06/00	9900450	M	M	9.5		Hunting
NE	Charlevoix	39N	10W	32	02/20/00	9900582	M				Hunting
NE	Cheboygan	34N	01E	13	01/07/00	9900594	F	F	0.5		Hunting
NE	Cheboygan	34N	02W	16	01/17/00	9901059	M	M	0.5		Hunting
NE	Cheboygan	38N	01W	30	01/14/00	9901023	M	M	1.5		Hunting
NE	Cheboygan	37N	02W	32	02/18/00	9901025	M	M	1.5		Hunting
NE	Cheboygan	35N	03W	31	02/21/00	9901067	F	F	1.5		Hunting
NE	Cheboygan	33N	01W	36	02/19/00	9901069	F	F	2.5		Hunting
NE	Cheboygan	34N	01E	22	02/23/00	9901097	M	M	2.5		Hunting
NE	Cheboygan	33N	01W	17	02/13/00	9902128	M	M	2.5		Hunting
NE	Cheboygan	34N	01E	22	01/27/00	9901046	F	F	3.5		Hunting
NE	Cheboygan	33N	01W		01/01/00	9902031	M	M	3.5		Hunting
NE	Cheboygan	35N	02W	3	02/15/00	9901064	M	M	4.5		Hunting
NE	Cheboygan	35N	02W	32	01/16/00	9901055	M	M	5.5		Hunting
NE	Cheboygan	37N	03W	27	01/29/00	9901030	M	IS	IS		Hunting
NE	Cheboygan	38N	02W	30	11/16/99	9901021	F				Hunting
NE	Cheboygan	33N	01W	14	01/18/00	9901056	F				Hunting
NE	Cheboygan	34N	02W	25	01/24/00	9901063	M				Hunting
NE	Crawford				01/15/00	9902133	M	F	0.5		Hunting
NE	Crawford	25N	04W		12/23/99	9901749	F	M	1.5		Road Kill
NE	Crawford	28N	02W	19	02/02/00	9902217	F	F	1.5		Hunting
NE	Crawford	27N	01W	14	01/30/00	9902108	M	M	3.5		Hunting

APPENDIX II.

1999-2000 BOBCAT DATA - ZONE 2

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
NE	Crawford	27N	03W	22	01/18/00	9902038	M	M	5.5		Hunting
NE	Crawford	27N	03W	16	08/31/99	9802100	M				Road Kill
NE	Emmet	38N	04W	18	02/25/00	9901027	M	M	0.5		Hunting
NE	Emmet	39N	04W	27	02/23/00	9901026	M	M	2.5		Hunting
NE	Emmet	39N	05W	28	01/22/00	9901058	M	F	2.5		Hunting
NE	Emmet	35N	04W	28	01/15/00	9901062	M	M	2.5		Hunting
NE	Emmet	37N	05W	25	02/15/00	9901065	M	M	2.5		Hunting
NE	Emmet	38N	05W	29	02/06/00	9901029	F	F	3.5		Hunting
NE	Emmet	37N	04W	34	01/08/00	9901060	M	M	5.5	1	Hunting
NE	Iosco	24N	06E	16	01/22/00	9902142	F	M	0.5		Hunting
NE	Iosco	23N	08E	18	02/14/00	9902143	M	F	0.5		Hunting
NE	Iosco	23N	05E	19	02/03/00	9902231	M	M	0.5		Hunting
NE	Iosco	24N	06E	15	01/30/00	9901707	F	F	1.5		Hunting
NE	Iosco	24N	05E	13	02/01/00	9902127	F	F	1.5		Hunting
NE	Iosco	21N	07E	22	01/15/00	9902214	M	M	1.5		Hunting
NE	Iosco	24N	06E	15	01/30/00	9901706	M	M	5.5		Hunting
NE	Iosco	24N	08E	18	01/22/00	9902141	F	M	5.5	1	Road Kill
NE	Iosco	24N	05E	27	02/11/00	9902236	M	M	6.5		Hunting
NE	Iosco	21N	06E	6	02/15/00	9802106	F				Hunting
NE	Montmorency	29N	03E	18	01/01/00	9901125	M	M	0.5		Hunting
NE	Montmorency	32N	01E	9	01/02/00	9900981	F	M	1.5		Hunting
NE	Montmorency	31N	01E	33	02/11/00	9900985	M	M	1.5		Hunting
NE	Montmorency	30N	02E	23	02/22/00	9901094	M	M	1.5		Hunting
NE	Montmorency	29N	04E	12	01/28/00	9902135		M	1.5		Hunting
NE	Montmorency	31N	02E	20	02/14/00	9900986	M	M	2.5		Hunting
NE	Montmorency	32N	02E	12	02/06/00	9900983	M	M	3.5		Hunting
NE	Montmorency	30N	03E	2	02/11/00	9900984	M	M	3.5		Hunting
NE	Montmorency	30N	02E	17	02/21/00	9901765	F	F	4.5		Hunting
NE	Montmorency	31N	02E	29	02/03/00	9900982	F				Hunting
NE	Montmorency	31N	03E	34	02/16/00	9900987	F				Hunting
NE	Montmorency	29N	04E	26	02/29/00	9902190	F				Hunting
NE	Ogemaw	23N	04E	12	02/16/00	9901714	M	M	0.5		Hunting
NE	Ogemaw	23N	04E	12	02/16/00	9901715	M	F	0.5		Hunting
NE	Ogemaw	23N	04E	15	02/12/00	9901729	M	F	0.5		Hunting
NE	Ogemaw	22N	01E	35	01/30/00	9902074	F	F	0.5		Hunting
NE	Ogemaw	22N	03E	24	02/02/00	9902077	F	F	0.5		Hunting
NE	Ogemaw	22N	03E	36	01/18/00	9902213	F	F	0.5		Hunting
NE	Ogemaw	22N	04E	6	02/02/00	9902232	F	F	0.5		Hunting
NE	Ogemaw	22N	04E	13	02/12/00	9902240	M	M	0.5		Hunting
NE	Ogemaw	24N	04E	24	01/21/00	9900555	M	M	1.5		Hunting
NE	Ogemaw	22N	03E	3	01/23/00	9902073	F	F	1.5		Hunting
NE	Ogemaw	23N	03E	34	02/03/00	9902079	M	M	1.5		Hunting
NE	Ogemaw	23N	03E	17	01/31/00	9902109	F	F	1.5		Hunting
NE	Ogemaw	21N	04E	6	02/15/00	9902239	M	M	1.5		Hunting
NE	Ogemaw	24N	04E	24	01/21/00	9900554	F	F	2.5		Hunting
NE	Ogemaw	23N	01E	10	02/12/00	9900674	F	F	2.5		Hunting
NE	Ogemaw	24N	03E	19	02/05/00	9901711	M	M	2.5		Hunting
NE	Ogemaw	22N	03E	22	01/16/00	9901739	F	F	2.5		Hunting
NE	Ogemaw	21N	02E	33	02/14/00	9902099	M	F	2.5		Hunting
NE	Ogemaw	22N	03E	22	01/21/00	9902215	M	M	2.5		Hunting
NE	Ogemaw	21N	02E	30	02/06/00	9902089	F	M	5.5	1	Hunting
NE	Ogemaw	22N	03E	24	01/31/00	9902078	M	M	6.5		Hunting
NE	Ogemaw	23N	03E	13	02/15/00	9901144	M				Hunting
NE	Ogemaw	21N	01E	15	01/23/00	9902096	F				Hunting

APPENDIX II.

1999-2000 BOBCAT DATA - ZONE 2

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
NE	Oscoda	27N	01E	11	01/23/00	9901127	F	F	0.5		Hunting
NE	Oscoda	28N	03E	7	02/13/00	9901143	F	M	0.5		Hunting
NE	Oscoda	26N	01E	4	01/23/00	9901757	F	F	0.5		Hunting
NE	Oscoda	28N	03E	7	02/29/00	9901145	F	M	1.5		Hunting
NE	Oscoda	26N	02E	31	01/02/00	9901734	M	M	1.5		Hunting
NE	Oscoda	25N	04E	36	01/08/00	9902072	M	M	1.5		Hunting
NE	Oscoda	27N	03E	12	01/02/00	9902102	F	F	1.5		Hunting
NE	Oscoda	26N	01E	20	01/22/00	9902105	M	M	1.5		Hunting
NE	Oscoda	27N	01E	3	02/21/00	9902222	M	M	1.5		Hunting
NE	Oscoda	25N	02E	8	02/22/00	9902225	M	M	1.5		Hunting
NE	Oscoda	27N	01E	14	01/28/00	9902355	F	F	1.5		Hunting
NE	Oscoda	26N	01E	16	02/01/00	9902084	F	F	2.5		Hunting
NE	Oscoda	27N	01E	27	01/29/00	9902107	M	M	2.5		Hunting
NE	Oscoda	26N	02E	10	02/10/00	9902110	F	F	2.5		Hunting
NE	Oscoda	25N	02E	12	03/01/00	9902383	M	M	2.5		Road Kill
NE	Oscoda	27N	01E	14	01/09/00	9902083	F	F	3.5		Hunting
NE	Oscoda	28N	01E	15		9801773	M				Road Kill
NE	Oscoda	28N	01E	32	02/21/00	9902188	M				Hunting
NE	Otsego	31N	03W	14	02/09/00	9901119	F	M	0.5		Road Kill
NE	Otsego	31N	02W	28	01/16/00	9901126	F	F	0.5		Hunting
NE	Otsego	32N	03W	35	01/19/00	9901171	F	M	0.5		Hunting
NE	Otsego	32N	03W	5	02/23/00	9901172	F	M	0.5		Hunting
NE	Otsego	29N	01W	20	01/30/00	9901129	M	M	1.5		Hunting
NE	Otsego	31N	03W	11	02/26/00	9901179	F	F	1.5		Road Kill
NE	Otsego	29N	04W	19	02/16/00	9901117	M	M	2.5		Hunting
NE	Otsego	31N	01W	27	02/26/00	9901180	F	F	2.5		Hunting
NE	Otsego	31N	02W	23	01/16/00	9901111	F	F	3.5		Hunting
NE	Otsego	31N	01W	4	02/09/00	9901115	F	F	4.5		Hunting
NE	Otsego	30N	03W	11	01/05/00	9901022	F				Hunting
NE	Presque Isle	36N	02E	16	02/26/00	9900583	F	M	0.5		Hunting
NE	Presque Isle	34N	02E	23	02/12/00	9900991	F	F	0.5		Hunting
NE	Presque Isle	35N	03E	15	01/04/00	9901042	F	M	0.5		Hunting
NE	Presque Isle	36N	03E	31	02/13/00	9901050	M	M	0.5		Hunting
NE	Presque Isle	33N	05E	5	02/12/00	9901095	F	M	0.5		Hunting
NE	Presque Isle	33N	02E	19	02/18/00	9900661	F	F	1.5		Hunting
NE	Presque Isle	34N	03E	25	01/09/00	9901024	F	M	1.5		Hunting
NE	Presque Isle	33N	04E	18		9901091	F	F	1.5		Hunting
NE	Presque Isle	35N	03E	5	01/01/00	9901041	F	F	2.5		Hunting
NE	Presque Isle	34N	05E	23	02/18/00	9901093	F	F	2.5		Hunting
NE	Presque Isle	34N	02E	17	01/07/00	9901686	M	M	2.5		Hunting
NE	Presque Isle	33N	02E	7	02/21/00	9901717	F	M	2.5		Hunting
NE	Presque Isle	33N	03E	10	01/30/00	9901785	M	M	2.5		Hunting
NE	Presque Isle	33N	02E	31	01/30/00	9901047	M	M	3.5		Hunting
NE	Presque Isle	33N	05E	5	02/23/00	9901096	F	F	3.5		Hunting
NE	Presque Isle	35N	02E	10	01/14/00	9901045	M	M	4.5		Hunting
NE	Presque Isle	34N	02E	18	01/08/00	9901685	M	M	4.5		Hunting
NE	Presque Isle	33N	03E	4	01/25/00	9901048	M	M	5.5		Hunting
NE	Presque Isle	35N	03E	22	01/23/00	9902125	F	M	6.5		Hunting
NE	Presque Isle	34N	03E	27	02/14/00	9901049	F	F	7.5	1	Hunting
NE	Presque Isle	33N	08E	4	11/02/99	9901011	F				Found Dead
NE	Presque Isle	35N	04E	21	01/15/00	9902134	M				Hunting
NE	Roscommon	22N	02W	21	01/20/00	9902085	M	F	0.5		Hunting
NE	Roscommon	23N	01W	15	02/07/00	9902221	M	M	0.5		Hunting
NE	Roscommon	23N	01W	15	01/30/00	9901688	M	M	1.5		Hunting

APPENDIX II.

1999-2000 BOBCAT DATA - ZONE 2

MGT UNIT	COUNTY	TWN	RNG	SEC	DATE	SEAL	FIELD SEX	LAB SEX	LAB AGE	ERROR +/- YR	METHOD
NE	Roscommon	22N	02W	29	02/07/00	9901700	F	F	1.5		Hunting
NE	Roscommon	21N	03W	21	01/23/00	9902094	M	F	1.5		Hunting
NE	Roscommon	22N	04W	32	02/12/00	9900559	M	M	2.5		Hunting
NE	Roscommon	22N	04W	31	02/15/00	9902044	M	M	2.5		Hunting
NE	Roscommon	21N	04W	22	01/18/00	9902090	F	M	2.5		Hunting
NE	Roscommon	22N	04W	30	02/02/00	9902218	M	M	2.5		Hunting
NE	Roscommon	21N	03W	19	02/04/00	9901770	M	M	3.5		Hunting
NE	Roscommon	22N	02W	4	01/15/00	9902212	F	F	3.5		Hunting
NE	Roscommon	24N	02W	23	02/05/00	9902219	M	M	3.5		Hunting
NE	Roscommon	23N	01W	13	02/05/00	9902233	F	F	3.5		Hunting
NE	Roscommon	23N	01W	5	02/09/00	9902237	M	M	3.5		Hunting

