

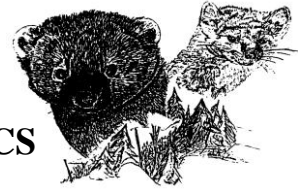
REGISTERED FURBEARER HARVEST STATISTICS

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# REGISTERED FURBEARER HARVEST STATISTICS

## 2010-11 Report



Drawing by Gilbert Proulx

John Erb, Forest Wildlife Populations and Research Group

### INTRODUCTION

Monitoring harvest is an important component of population management for many wildlife populations. For many species, harvest represents a large proportion of overall mortality. Obtaining harvest information can be useful for documenting changes in the distribution and abundance of animals, as well as the effects of changes in harvest seasons, harvest techniques, and habitat. The level of detail or accuracy necessary in harvest information may vary across species, depending on such factors as density, harvest pressure, habitat sensitivity of the species, and reproductive potential.

In Minnesota, detailed harvest information is collected on 4 carnivores – fisher, marten, bobcat, and river otter. These species have lower reproductive potential, naturally occur at low to moderate densities, have comparatively ‘restricted’ distributions, and/or may be more subject to effects of habitat change. Hence, detailed harvest information is desirable to help ensure sustainable populations. For approximately the past 33 years, such data has been collected for these species.

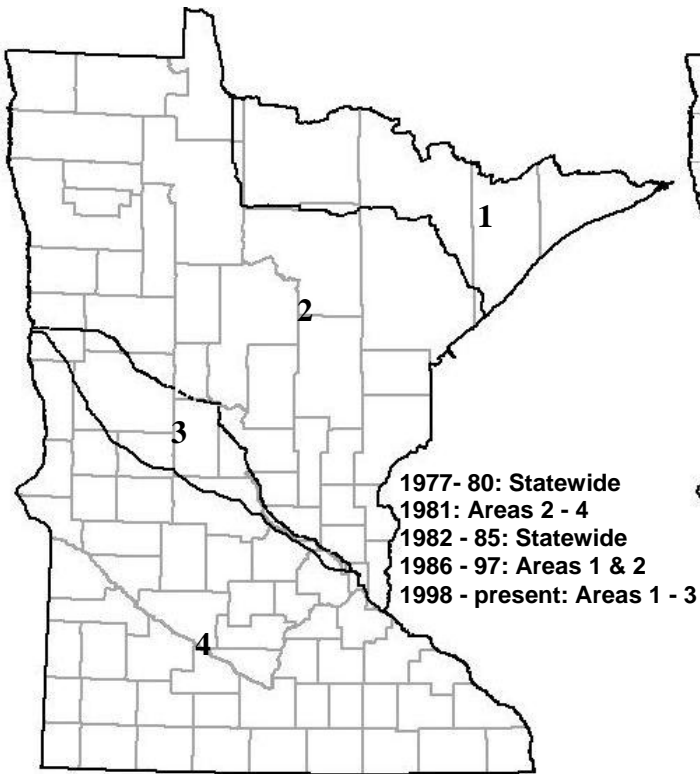
### METHODS

Fur-harvesters are required to bring pelts from harvested animals (fisher, marten, bobcat, and otter) in to fur registration stations within 48 hours of the close of the season. Upon registration, information is collected on the sex, date, and harvest location (township), and the pelt is tagged to verify it has been registered.

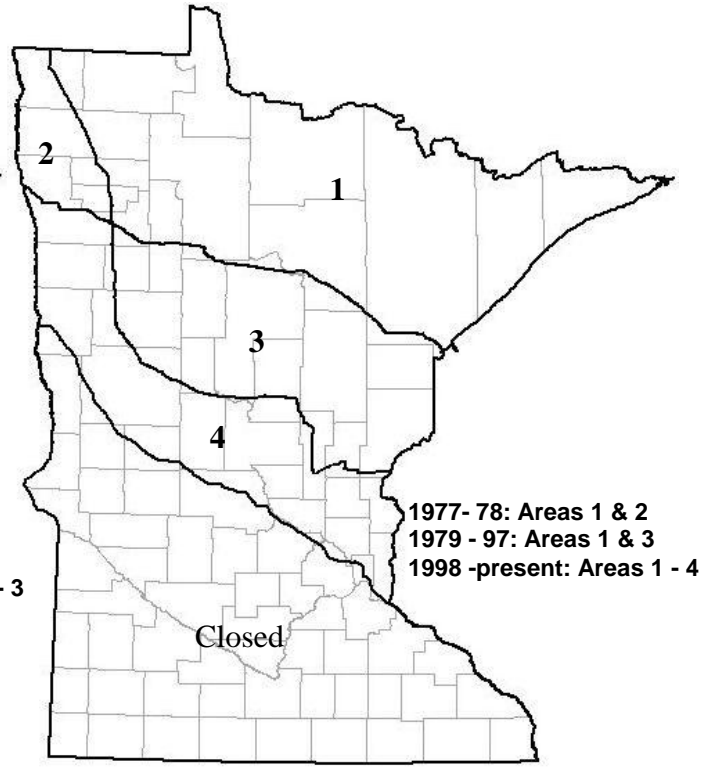
### RESULTS

Currently, harvest of fisher, marten, and bobcat is allowed in approximately the northern 60% of the state (Figure 1). Changes to season parameters this year included: 1) allowing otter harvest statewide with a consistent limit of 4 otter per trapper (Figure 1), and 2) a reduction in the fisher limit from 5 to 2 (Table 1). The fisher and marten harvest season length remained at 9 days, shortened from 16 days starting in 2007 (Table 1). All harvest summaries are provided in the following tables.

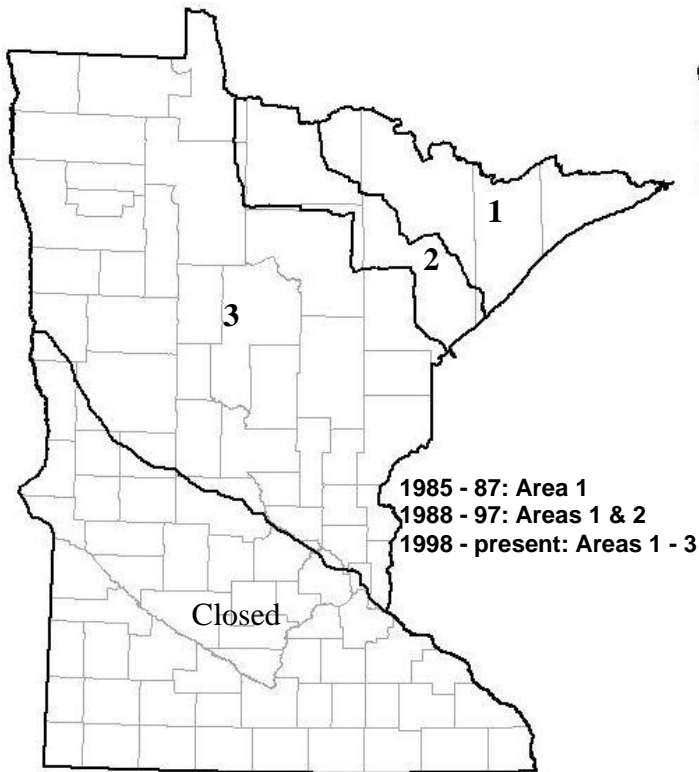
**NOTE: This report does not include tribal harvests, or any confiscations.**



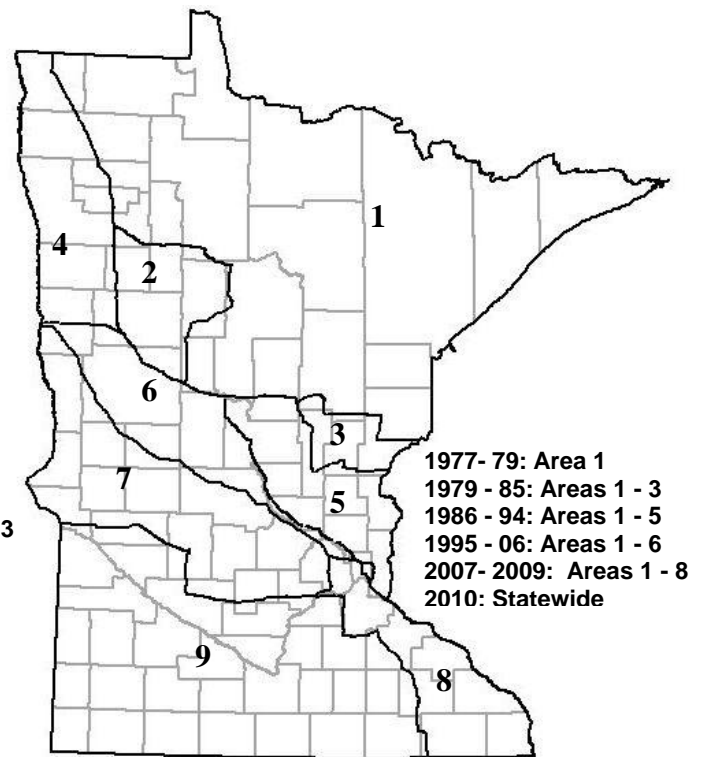
Bobcat



Fisher



Marten



Otter

Figure 1. Open trapping areas for fisher, marten, bobcat, and otter, 1977 - present.

Table 1. Registered furbearer seasons and harvests, 1982-2010.

Year	Bobcat				Fisher				Marten				Otter			
	Season	Days	Limit	Harvest	Season	Days	Limit	Harvest	Season	Days	Limit	Harvest	Season <sup>a</sup>	Days	Limit	Harvest
1982-83	12/1-1/23	54	5	274	12/1-12/10	10	1	912	CLOSED				11/13-11/27	15	2	385
1983-84	12/1-1/22	53	5	208	12/1-12/11	11	1	631	CLOSED				11/12-11/26	15	2	408
1984-85	12/1-1/20	51	5	280	12/1-12/16	16	1	1289	CLOSED				11/17-12/1	15	2	529
1985-86	11/30-1/19	51	5	119	11/30-12/15	16	1	678	11/30-12/15	16	1	430	11/16-12/15	30	3	559
1986-87	11/29 -1/3	36	5	160	11/29-12/14	16	1	1067	11/29-12/14	16	1	798	11/1-11/30	30	3	777
1987-88	11/28-1/3	37	5	212	11/28-12/13	16	1	1641	11/28-12/13	16	1	1363	10/24-11/29	37	3	1386
1988-89	11/26-1/1	37	5	141	11/26-12/11	16	1	1025	11/26-12/11	16	2	2072	10/29-11/27	30	3	922
1989-90	12/2-1/7	37	5	129	12/2-12/17	16	1	1243	12/2-12/17	16	2	2119	10/28-12/17	51	3	1294
1990-91	12/1-1/6	37	5	84	12/1-12/16	16	1	746	12/1-12/16	16	2	1349	10/27-1/6	71	3	888
1991-92	11/30-1/5	37	5	106	11/30-12/15	16	1	528	11/30-12/15	16	1	686	10/26-1/5	71	3	855
1992-93	11/28-1/3	37	5	168	11/28-12/13	16	1	778	11/28-12/13	16	2	1602	10/24-1/3	71	4	1368
1993-94	12/4-1/9	37	5	201	12/4-12/19	16	2	1159	12/4-12/19	16	2	1438	10/23-1/9	78	4	1459
1994-95	12/3-1/8	37	5	238	12/3-12/18	16	2	1772	12/3-12/18	16	2	1527	10/29-1/8	71	4	2445
1995-96	12/2-1/7	37	5	134	12/2-12/17	16	2	942	12/2-12/17	16	2	1500	10/28-1/7	71	4	1435
1996-97	11/30 -1/5	37	5	223	11/30-12/15	16	2	1773	11/30-12/15	16	2	1625	10/26-1/5	71	4	2219
1997-98	11/29-1/4	37	5	359	11/29-12/14	16	2	2761	11/29-12/14	16	2	2261	10/25-1/4	71	4	2145
1998-99	11/28-12/13	16	5	103	11/28-12/13	16	2	2695	11/28-12/13	16	2	2299	10/24-1/3	71	4	1946
1999-00	12/4-1/9	37	5	206	12/4-12/19	16	2	1725	12/4-12/19	16	4	2423	10/23-1/9	78	4	1635
2000-01	12/2-1/7	37	5	231	12/2-12/17	16	4	1674	12/2-12/17	16	4	1629	10/28-1/7	71	4	1578
2001-02	11/24-1/6	44	5	250	11/24-12/9	16	4	2119	11/24-12/9	16	4	1928	10/27-1/6	71	4	2301
2002-03	11/30-1/5	37	5	544	11/30-12/15	16	5	2660	11/30-12/15	16	5	2839	10/26-1/5	71	4	2145
2003-04	11/29-1/4	37	5	483	11/29-12/14	16	5	2521	11/29-12/14	16	5	3214	10/25-1/4	71	4	2766
2004-05	11/27-1/9	44	5	631	11/27-12/12	16	5	2552	11/27-12/12	16	5	3241	10/23-1/9	78	4	3450
2005-06	11/26-1/8	44	5	590	11/26-12/11	16	5	2388	11/26-12/11	16	5	2653	10/29-1/8	71	4	2846
2006-07	11/25-1/7	44	5	890	11/25-12/10	16	5	3251	11/25-12/10	16	5	3788	10/28-1/7	71	4	2720
2007-08	11/24-1/6	44	5	702	11/24-12/2	9	5	1682	11/24-12/2	9	5	2221	10/27-1/6	71	2/4	1861
2008-09	11/29-1/4	37	5	853	11/29-12/7	9	5	1712	11/29-12/7	9	5	1823	10/25-1/4	71	2/4	1938
2009-10	11/28-1/3	37	5	884	11/28-12/6	9	5	1259	11/28-12/6	9	5	2073	10/24-1/3	71	2/4	1544
2010-11	11/27-1/9	44	5	1012	11/27-1/5	9	2	903	11/27-1/5	9	5	1842	10/23-1/9	78	4	1814

<sup>a</sup> In some years, otter season opens 1 week earlier in a north zone as compared to a south zone. Otter season dates in this table reflect the start of the north zone.

<sup>b</sup> From 2007-2009, otter limits differ between a southeast zone (limit=2; Area 8, Fig. 1) and the remainder of the open area (limit=4)

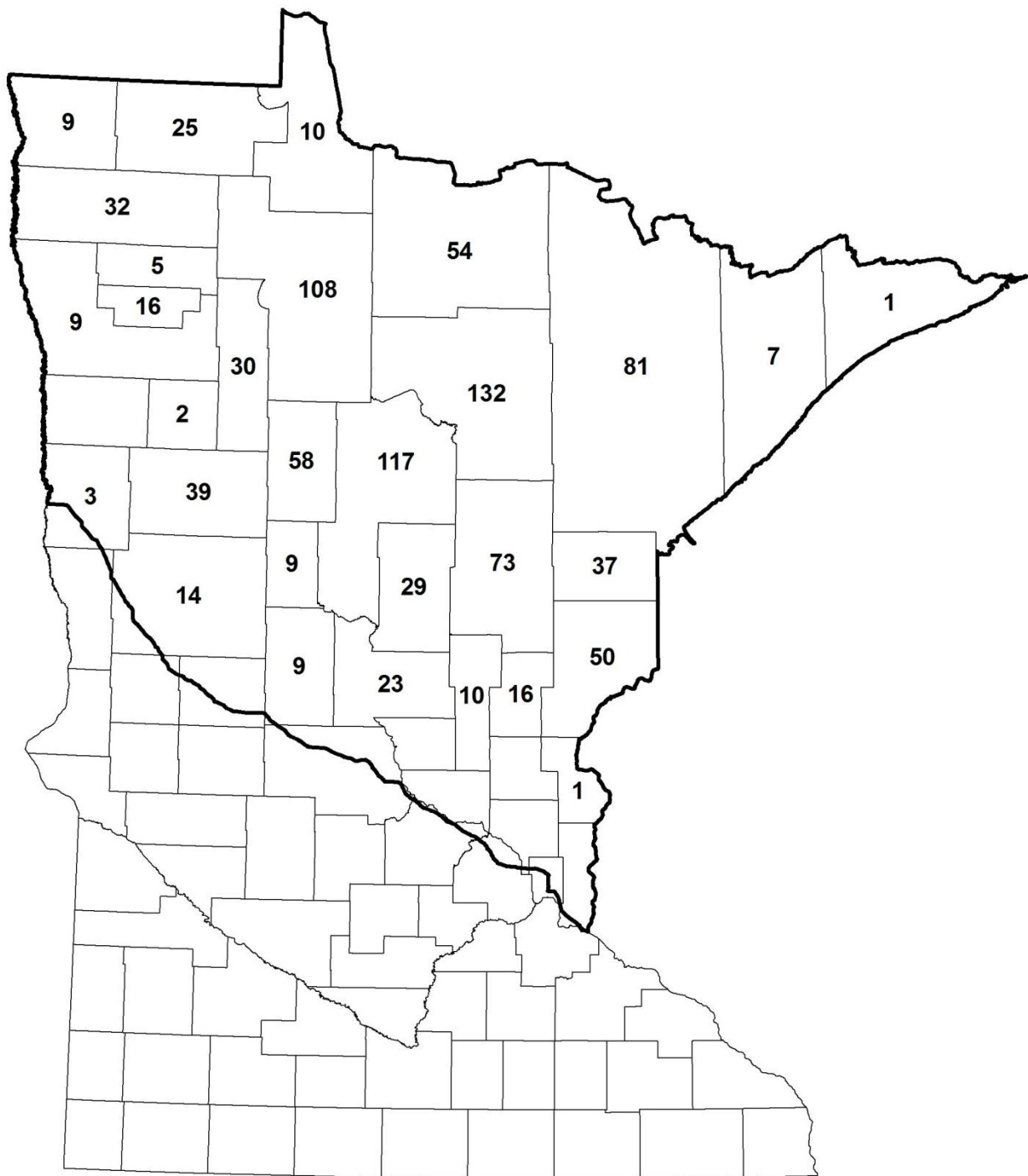


Figure 2. Bobcat harvest by county, 2010-11.

Table 2. Bobcat harvest by county and sex, 2010-11.

County	Sex*			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	34	39		73	3.66
Becker	15	24		39	2.70
Beltrami	47	56	5	108	3.54
Benton	0	0		0	0.00
Carlton	10	27		37	4.23
Cass	42	75		117	4.85
Chisago	1	0		1	0.23
Clay	1	2		3	0.28
Clearwater	13	17		30	2.91
Cook	0	1		1	0.06
Crow Wing	16	13		29	2.51
Hubbard	28	31		59	5.90
Isanti	0	0		0	0.00
Itasca	60	69	3	132	4.51
Kanabec	7	9		16	3.00
Kittson	7	2		9	0.81
Koochiching	13	41		54	1.71
Lake	1	6		7	0.31
Lake of the Woods	4	5	1	10	0.56
Mahnomen	0	2		2	0.34
Marshall	11	20		31	1.71
Mille Lacs	3	7		10	1.47
Morrison	11	12		23	2.00
Norman	0	0		0	0.00
Otter Tail	8	6		14	0.63
Pennington	2	2	1	5	0.81
Pine	22	28		50	3.49
Polk	2	7		9	0.45
Red Lake	10	6		16	3.69
Roseau	9	17		26	1.55
St. Louis	35	46		81	1.20
Sherburne	0	0		0	0.00
Stearns	0	0		0	0.00
Todd	3	6		9	0.92
Wadena	3	6		9	1.66
Unknown	1	1		2	
<b>Total</b>	<b>419</b>	<b>583</b>	<b>10</b>	<b>1012</b>	

\* Trapper/hunter reported sex ratios in this table are **NOT** adjusted according to results from DNR carcass analyses

Table 3. Comparison of bobcat harvest by county, 2000-2010.

County	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Aitkin	32	20	35	19	37	32	46	56	64	82	73
Becker	6	28	26	19	28	19	46	24	37	25	39
Beltrami	16	26	63	47	66	34	90	33	49	70	108
Benton	0	0	0	0	0	0	0	1	5	2	0
Carlton	12	14	11	20	27	25	34	25	45	44	37
Cass	11	17	59	48	56	103	137	50	98	115	117
Chisago	0	0	1	0	0	0	0	3	0	0	1
Clay	0	0	0	1	0	0	0	0	0	1	3
Clearwater	0	6	24	19	18	18	42	25	43	27	30
Cook	0	0	1	1	2	3	0	0	1	0	1
Crow Wing	13	4	20	15	19	18	27	21	36	38	29
Hubbard	4	10	31	21	35	22	69	40	49	81	59
Isanti	0	0	0	2	0	1	0	0	0	0	0
Itasca	40	33	74	76	93	68	113	86	72	106	132
Kanabec	11	8	10	9	17	11	14	16	23	11	16
Kittson	6	7	5	8	6	3	5	4	9	4	9
Koochiching	11	12	23	25	14	22	16	37	31	25	54
Lake	1	0	0	0	1	2	1	0	1	2	7
Lake of the Woods	3	0	6	4	6	3	2	9	12	16	10
Mahnomen	1	1	0	3	7	2	7	8	0	4	2
Marshall	2	4	24	14	20	16	19	32	18	15	31
Mille Lacs	2	0	10	4	11	9	8	13	11	10	10
Morrison	8	4	6	14	18	18	17	23	28	13	23
Norman	0	0	0	0	0	0	1	0	0	1	0
Otter Tail	0	1	0	0	5	1	7	9	7	7	14
Pennington	1	1	1	0	6	3	2	11	9	6	5
Pine	21	23	49	44	59	47	59	87	101	49	50
Polk	1	0	2	2	4	1	3	0	4	9	9
Red Lake	2	0	1	1	0	6	1	0	0	7	16
Roseau	12	18	22	28	27	28	36	32	18	19	26
St. Louis	9	7	30	25	37	44	45	39	58	56	81
Sherburne	0	0	0	0	0	0	0	0	0	1	0
Stearns	0	0	0	0	0	0	0	1	0	0	0
Todd	0	1	3	6	5	7	12	6	14	10	9
Wadena	0	5	7	8	3	17	16	9	7	21	9
Unknown	4	0	0	0	4	7	15	2	3	7	2
Total	229	250	544	483	631	590	890	702	853	884	1012



Table 4. Bobcat harvest by sex and week, 2010-11 season.

Date	Sex*			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.27 - Dec.3	75	103	3	181	17.89	17.89
Dec.4 - Dec.10	104	134	1	239	23.62	41.50
Dec.11 - Dec.17	62	91		153	15.12	56.62
Dec.18 - Dec.24	78	92		170	16.80	73.42
Dec.25 - Dec.31	47	52	1	100	9.88	83.30
Jan.1 - Jan.9**	42	87	3	132	13.04	96.34
Unknown	11	24	2	37	3.66	100%
Total	419	583	10	1012	100%	

\* Trapper/hunter reported sex ratios in this table are **NOT** adjusted according to results from DNR carcass analyses

\*\* 9-day interval

Table 5. Distribution of bobcat harvest\* among takers, 1986-2010.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
1986-87	92 (77)	18 (15)	9 (8)	0 (0)	1 (1)	120
1987-88	104 (72)	23 (16)	10 (7)	6 (4)	2 (1)	145
1988-89	88 (82)	11 (10)	7 (7)	1 (1)	1 (1)	108
1989-90	56 (69)	13 (16)	5 (6)	3 (4)	4 (5)	81
1990-91	47 (77)	9 (15)	1 (2)	4 (7)	0 (0)	61
1991-92	42 (64)	15 (23)	4 (6)	3 (5)	2 (3)	66
1992-93	69 (64)	21 (20)	9 (9)	5 (5)	2 (2)	106
1993-94	90 (70)	17 (13)	13 (10)	7 (5)	2 (2)	201
1994-95	103 (68)	25 (17)	12 (8)	6 (4)	5 (3)	151
1995-96	67 (74)	13 (14)	5 (6)	4 (4)	2 (2)	91
1996-97	115 (73)	28 (18)	85 (5)	2 (1)	4 (3)	157
1997-98	129 (61)	43 (20)	17 (8)	12 (6)	9 (5)	210
1998-99	59 (77)	11 (14)	2 (3)	3 (4)	1 (2)	76
1999-00	113 (76)	21 (14)	10 (6)	4 (3)	1(1)	149
2000-01	99 (69)	23 (16)	7 (5)	5 (4)	9 (6)	143
2001-02	101 (71)	23 (16)	12 (8)	1 (1)	5 (4)	142
2002-03	185 (60)	64 (21)	33 (10)	15 (5)	12 (4)	309
2003-04	171 (64)	40 (15)	25 (10)	20 (7)	11 (4)	267
2004-05	193 (59)	55 (17)	32 (10)	25 (7)	24 (7)	329
2005-06	198 (60)	67 (20)	33 (10)	15 (5)	18 (5)	331
2006-07	265 (57)	90 (19)	44 (9)	25 (5)	42 (9)	466
2007-08	212 (58)	71 (19)	30 (8)	16 (4)	38 (10)	367
2008-09	236 (55)	88 (21)	43 (10)	25 (6)	37 (9)	429
2009-10	223 (53)	80 (19)	40 (9)	30 (7)	51 (12)	424
2010-11	242 (50)	103 (21)	58 (12)	35 (7)	49 (10)	487

\* Product of categories above may not equal total harvest due to some missing names/license numbers

Table 6. Bobcat harvest by method of take, 1984-2010.

Year	Total	Trapping					Hunting				
	Harvest <sup>a</sup>	Harvest	% of Total	# Takers	Ave. Take	% Males <sup>b</sup>	Harvest	% of Total	# Takers	Ave. Take	% Males <sup>b</sup>
1984-85	280	252	90	156	1.6		28	10	22	1.3	
1985-86	119	83	70	62	1.3		36	30	27	1.3	
1986-87	160	119	74	89	1.3		41	26	31	1.3	
1987-88	214	177	83	118	1.5		37	17	26	1.4	
1988-89	140	94	67	76	1.2		46	33	32	1.4	
1989-90	129	90	70	49	1.8		39	30	28	1.4	
1990-91	83	61	73	43	1.4		22	27	17	1.3	
1991-92	102	59	58	31	1.9		43	42	33	1.3	
1992-93	168	133	79	85	1.6		35	21	23	1.5	
1993-94	201	147	73	88	1.7		54	27	41	1.3	
1994-95	238	189	79	120	1.6		49	21	31	1.6	
1995-96	134	73	54	53	1.4		61	46	38	1.6	
1996-97	203	133	66	91	1.5		70	34	53	1.3	
1997-98	357	313	88	176	1.8		44	12	34	1.3	
1998-99	103	95	92	67	1.4		8	8	8	1.0	
1999-00	206	155	75	114	1.4		51	25	36	1.4	
2000-01	231	140	61	85	1.6		91	39	58	1.6	
2001-02	250	208	83	116	1.8	41	42	17	27	1.6	68
2002-03	544	500	92	279	1.8	38	44	8	32	1.4	57
2003-04	483	415	86	230	1.8	46	68	14	40	1.7	65
2004-05	631	542	86	279	1.9	43	89	14	53	1.7	60
2005-06	583	435	75	250	1.7	37	148	25	85	1.7	65
2006-07	890	779	88	391	2.0	45	111	12	81	1.4	57
2007-08	702	524	75	266	2.0	40	178	25	110	1.6	48
2008-09	853	689	81	334	2.1	42	164	19	99	1.7	59
2009-10	884	736	83	340	2.2	43	148	17	91	1.6	58
2010-11	1012	817	81	372	2.2	40	195	19	123	1.6	50

<sup>a</sup> Total harvest reported here may not be equal to total harvest in other tables due to incomplete method-of-take data.

<sup>b</sup> Trapper/hunter reported sex ratios in this table are **NOT** adjusted according to results from DNR carcass analyses

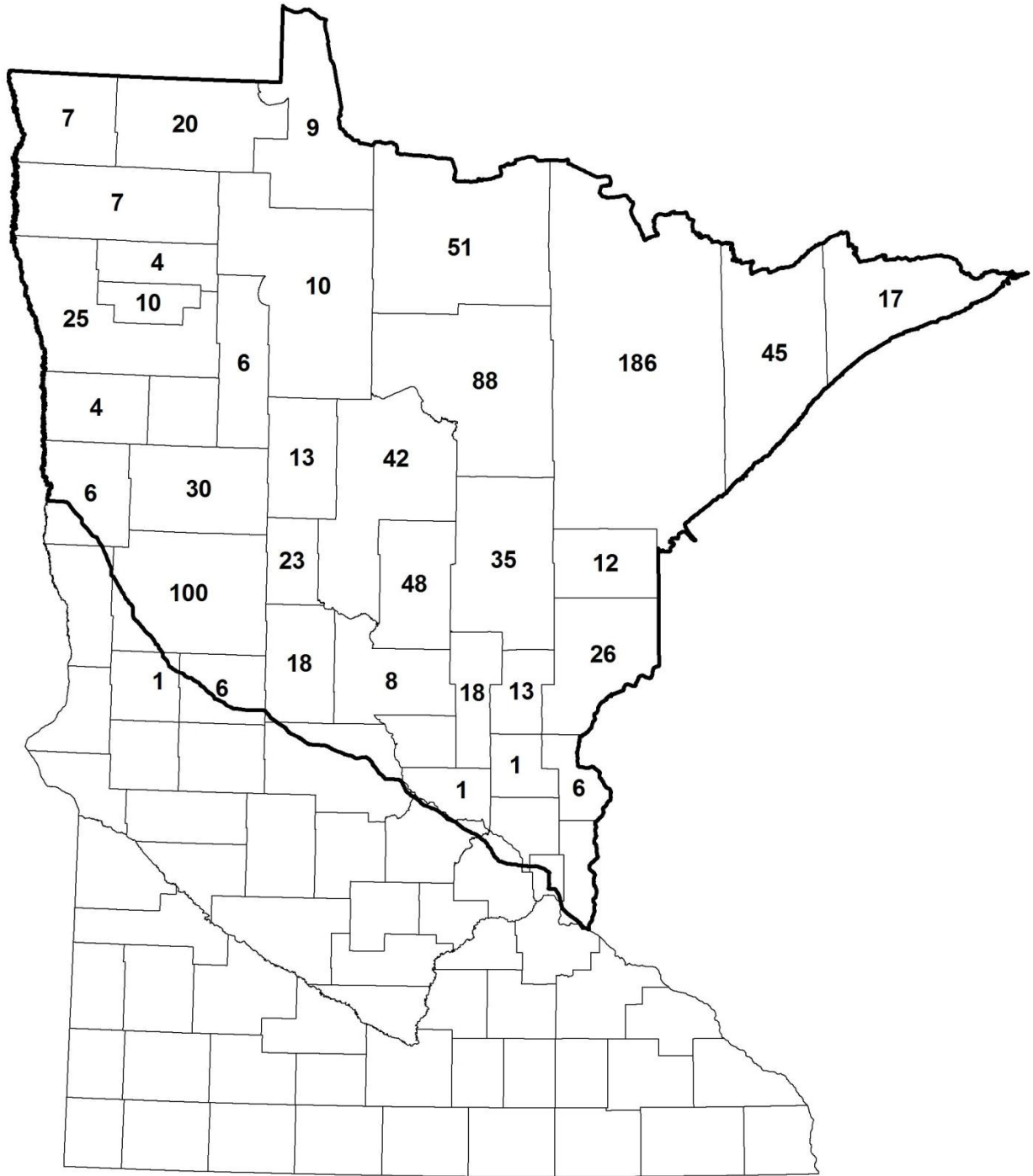


Figure 3. Fisher harvest by county, 2010-11.

Table 7. Fisher harvest by county and sex, 2010-11 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	20	15		35	1.76
Anoka	0	0		0	0.00
Becker	19	11		30	2.08
Beltrami	4	6		10	0.33
Benton	0	0		0	0.00
Carlton	8	4		12	1.37
Cass	29	14		43	1.78
Chisago	3	3		6	1.36
Clay	4	2		6	0.57
Clearwater	3	3		6	0.58
Cook	9	8		17	1.06
Crow Wing	32	16		48	4.15
Douglas	4	2		6	0.83
Grant	1	0		1	0.17
Hubbard	9	4		13	1.30
Isanti	0	1		1	0.22
Itasca	40	48		88	3.01
Kanabec	6	7		13	2.44
Kittson	6	1		7	0.63
Koochiching	29	22		51	1.62
Lake	13	32		45	1.97
Lake of the Woods	6	3		9	0.51
Mahnomen	0	0		0	0.00
Marshall	3	4		7	0.39
Mille Lacs	9	9		18	2.64
Morrison	4	4		8	0.69
Norman	4	0		4	0.46
Otter Tail	56	44		100	4.49
Pennington	2	2		4	0.65
Pine	20	6		26	1.81
Polk	13	12		25	1.25
Red Lake	6	4		10	2.31
Roseau	12	8		20	1.19
St. Louis	92	94		186	2.76
Sherburne	1	0		1	0.22
Stearns	0	0		0	0.00
Todd	7	11		18	1.84
Wadena	13	10		23	4.23
Washington	0	0		0	0.00
Unknown	1	1	4	6	
Total	488	411	4	903	

Table 8. Comparison of fisher harvest by county, 1999-2010.

County	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Aitkin	84	68	103	122	124	96	97	156	67	75	50	35
Anoka	0	0	0	0	1	0	0	0	0	2	0	0
Becker	32	42	46	96	88	92	49	87	57	36	44	30
Beltrami	70	60	73	117	74	71	47	54	40	15	22	10
Benton	0	0	0	0	1	0	1	1	0	3	2	0
Carlton	23	27	37	48	42	40	35	49	13	19	15	12
Cass	123	122	134	225	205	186	149	209	80	77	57	43
Chisago	0	3	2	6	5	6	2	18	7	4	10	6
Clay	0	0	0	0	0	0	0	1	0	3	0	6
Clearwater	13	15	45	45	52	41	35	54	19	37	13	6
Cook	19	19	33	27	28	24	40	35	29	10	11	17
Crow Wing	53	71	82	106	106	113	79	140	81	116	42	48
Douglas	0	1	0	0	3	3	3	6	2	5	2	6
Grant	0	0	0	0	0	0	0	0	0	0	0	1
Hubbard	34	34	64	59	62	32	20	51	20	38	18	13
Isanti	0	0	0	0	0	2	3	5	1	5	9	1
Itasca	248	288	298	354	319	323	320	405	195	195	166	88
Kanabec	11	4	4	19	21	13	15	26	11	26	20	13
Kittson	3	3	7	3	11	2	7	2	5	8	5	7
Koochiching	150	159	156	178	171	179	209	221	105	115	96	51
Lake	46	62	54	72	74	87	85	87	49	54	49	45
Lake of the Woods	83	71	48	115	78	33	63	74	17	42	21	9
Mahnomen	3	0	12	16	14	13	9	27	25	6	3	0
Marshall	10	27	19	18	21	25	18	26	19	26	6	7
Mille Lacs	0	4	3	16	22	14	16	20	15	17	18	18
Morrison	2	0	1	6	3	7	5	23	21	14	10	8
Norman	6	0	0	1	1	11	6	4	9	12	7	4
Otter Tail	0	0	1	12	40	52	60	158	110	152	67	100
Pennington	2	4	4	10	18	42	22	22	16	8	2	4
Pine	36	37	29	44	54	56	42	82	39	74	30	26
Polk	6	8	24	46	65	47	38	72	61	49	31	25
Red Lake	2	18	16	15	16	29	34	32	29	23	23	10
Roseau	111	157	180	106	141	114	110	127	84	89	58	20
St. Louis	546	369	608	734	611	740	688	898	407	283	296	186
Sherburne	0	0	0	0	2	0	0	0	0	0	3	1
Stearns	0	0	0	0	0	1	0	0	0	1	1	0
Todd	0	0	2	5	14	18	23	21	13	33	22	18
Wadena	8	0	31	39	32	31	40	44	27	37	23	23
Washington	0	0	0	0	0	0	0	0	1	0	0	0
Unknown	2	1	1	0	2	9	18	14	8	3	7	6
Total	1,726	1,674	2,117	2,660	2,521	2,552	2,388	3,251	1,682	1,712	1,259	903

Table 9. Fisher harvest by date and sex, 2010-11 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 27	1	2		3	0.33	0.33
Nov. 28	38	44		82	9.08	9.41
Nov. 29	93	54		147	16.28	25.69
Nov. 30	61	47		108	11.96	37.65
Dec. 1	82	68		150	16.61	54.26
Dec. 2	54	56		110	12.18	66.45
Dec. 3	42	47		89	9.86	76.30
Dec. 4	52	40		92	10.19	86.49
Dec. 5	41	37		78	8.64	95.13
Unknown	24	16	4	44	4.87	100%
Total	488	411	4	903	100%	

Table 10. Distribution of fisher harvest\* among trappers, 1993-2010.

Number (%) of Takers	Number Taken					Total Takers	Ave. Take
	1	2	3	4	5		
1993-94	239 (34)	460 (66)	----	----	----	699	1.7
1994-95	321 (31)	725 (69)	----	----	----	1046	1.7
1995-96	232 (40)	355 (60)	----	----	----	587	1.6
1996-97	321 (31)	726 (69)	----	----	----	1047	1.7
1997-98	351 (23)	1205 (77)	----	----	----	1556	1.8
1998-99	443 (28)	1141 (72)	----	----	----	1584	1.7
1999-00	397 (37)	664 (63)	----	----	----	1061	1.6
2000-01	301(38)	251 (31)	129 (16)	121 (15)	----	802	2.1
2001-02	294 (33)	271 (31)	146 (17)	168 (19)	----	879	2.2
2002-03	336 (35)	234 (25)	138 (15)	117 (12)	123 (13)	948	1.8
2003-04	403 (39)	249 (24)	150 (15)	107 (11)	115 (11)	1024	1.7
2004-05	390 (37)	260 (25)	184 (17)	95 (9)	132 (12)	1061	1.7
2005-06	407 (40)	251 (24)	150 (15)	102 (10)	118 (11)	1028	1.7
2006-07	510 (37)	328 (24)	208 (15)	150 (11)	171 (13)	1367	1.7
2007-08	416 (50)	193 (23)	104 (12)	68 (8)	57 (7)	838	1.7
2008-09	382 (48)	182 (23)	91 (11)	65 (8)	79 (10)	799	1.6
2009-10	372 (55)	156 (23)	69 (10)	42 (6)	38 (6)	677	1.6
2010-11	330 (54)	279 (46)	----	----	----	591	1.5

\* Product of categories above may not equal total harvest due to some missing name/license numbers



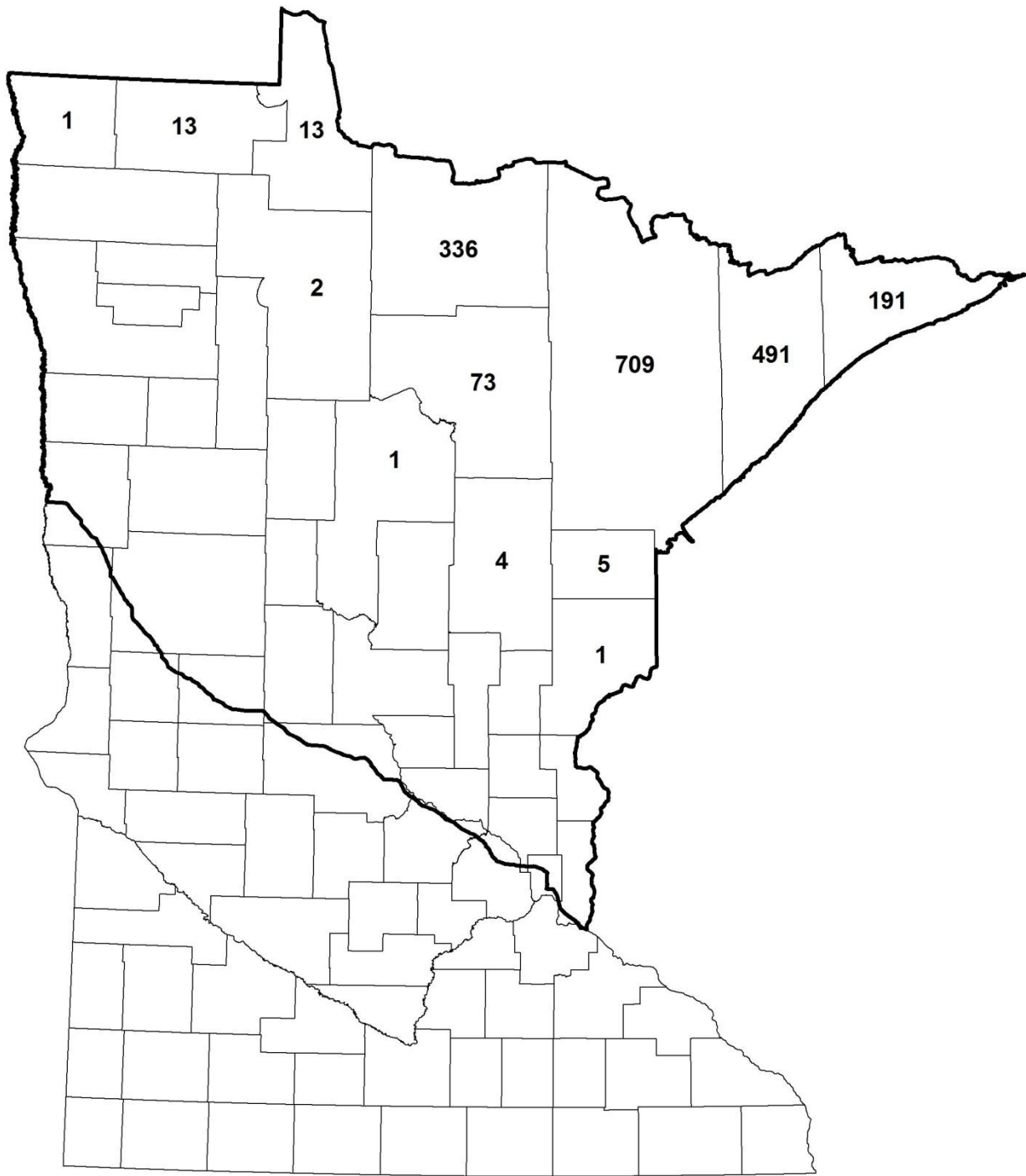


Figure 4. Marten harvest by county, 2010-11.

Table 11. Marten harvest by county and sex, 2010-11 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	2	2		4	0.20
Beltrami	2	0		2	0.07
Carlton	1	4		5	0.57
Cass	0	1		1	0.04
Clearwater	0	0		0	0.00
Cook	129	62		191	11.90
Crow Wing	0	0		0	0.00
Itasca	47	26		73	2.50
Kanabec	0	0		0	0.00
Kittson	1	0		1	0.09
Koochiching	214	122		336	10.66
Lake	313	178		491	21.46
Lake of the Woods	8	5		13	0.73
Mahnomen	0	0		0	0.00
Marshall	0	0		0	0.00
Pennington	0	0		0	0.00
Pine	1	0		1	0.07
Red Lake	0	0		0	0.00
Roseau	8	5		13	0.77
St. Louis	468	239	2	709	10.52
Unknown	0	0	2	2	
<b>Total</b>	<b>1,194</b>	<b>644</b>	<b>4</b>	<b>1,842</b>	

Table 12. Comparison of marten harvest by county in Minnesota, 1999-2010.

County	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Aitkin	2	2	3	5	6	6	6	13	4	12	5	4
Beltrami	37	2	24	30	38	65	17	19	8	6	10	2
Carlton	6	5	11	4	11	1	10	6	1	4	8	5
Cass	2	3	1	3	2	3	1	4	0	1	2	1
Clearwater	0	0	0	0	1	1	0	0	0	0	0	0
Cook	240	190	164	228	411	318	369	446	269	151	244	191
Crow Wing	3	0	0	0	0	0	0	0	0	0	1	0
Itasca	114	82	102	147	141	136	98	155	74	72	91	73
Kanabec	0	0	0	0	0	0	0	2	0	0	0	0
Kittson	0	0	0	0	0	0	0	0	0	0	0	1
Koochiching	492	306	327	525	534	549	418	592	348	300	354	336
Lake	284	323	243	492	541	551	536	892	520	438	496	491
Lake of the Woods	58	15	13	104	71	122	54	46	31	17	17	13
Mahnomen	0	0	0	0	0	2	0	0	0	0	0	0
Marshall	1	1	1	1	1	5	3	0	1	0	4	0
Pennington	0	2	0	0	0	0	0	0	1	0	0	0
Pine	0	0	0	0	1	2	1	1	1	0	0	1
Red Lake	0	3	0	0	0	0	0	0	0	0	0	0
Roseau	51	98	48	116	104	127	51	31	69	46	32	13
St. Louis	1,131	596	991	1,184	1,352	1,346	1,065	1,579	885	769	803	709
Unknown	2	1	0	0	0	7	24	2	9	7	6	2
Total	2,423	1,629	1,928	2,839	3,214	3,241	2,653	3,788	2,221	1,823	2,073	1,842

Table 13. Marten harvest by date and sex, 2010-11 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 27	6	2	1	9	0.49	0.49
Nov. 28	145	60	2	207	11.24	11.73
Nov. 29	190	100	1	291	15.80	27.52
Nov. 30	165	94		259	14.06	41.59
Dec. 1	198	95		293	15.91	57.49
Dec. 2	134	89		223	12.11	69.60
Dec. 3	144	90		234	12.70	82.30
Dec. 4	106	57		163	8.85	91.15
Dec. 5	86	48		134	7.27	98.43
Unknown	20	9		29	1.57	100%
Total	1,194	644	4	1,842	100%	

Table 14. Distribution of marten harvest\* among trappers, 1993-2010.

Number (%) of Takers	Number Taken					Total Takers	Ave. Take
	1	2	3	4	5		
1993-94	76 (10)	681 (90)	----	----	----	757	1.9
1994-95	165 (20)	681 (80)	----	----	----	846	1.8
1995-96	78 (10)	711 (90)	----	----	----	789	1.9
1996-97	157 (18)	734 (82)	----	----	----	891	1.8
1997-98	161 (13)	1050 (87)	----	----	----	1211	1.9
1998-99	187 (15)	1056 (85)	----	----	----	1243	1.8
1999-00	164 (17)	318 (34)	213 (23)	246 (26)	----	941	2.6
2000-01	188 (28)	190 (28)	123 (18)	173 (26)	----	674	2.4
2001-02	147 (23)	175 (27)	138 (21)	187 (29)	----	647	2.6
2002-03	149 (21)	138 (19)	147 (21)	123 (17)	160 (22)	717	1.9
2003-04	126 (15)	135 (16)	159 (19)	170 (20)	265 (31)	855	1.8
2004-05	165 (17)	153 (16)	171 (18)	164 (18)	282 (30)	935	1.8
2005-06	191 (22)	158 (18)	139 (16)	156 (18)	215 (25)	859	1.8
2006-07	206 (18)	201 (17)	226 (19)	203 (17)	335 (29)	1171	1.8
2007-08	176 (23)	160 (21)	147 (19)	141 (18)	142 (19)	766	2.0
2008-09	153 (24)	139 (22)	108 (17)	110 (17)	122 (19)	632	1.9
2009-10	121 (19)	105 (16)	106 (17)	134 (21)	173 (27)	639	1.9
2010-11	95 (17)	77 (14)	120 (22)	92 (17)	170 (31)	554	1.8

\* Product of categories above may not equal total harvest due to some unknown name/license numbers

Table 15. Number of trappers with different fisher/marten combinations, 2010-11. (Combined limit = 5, not to exceed 2 fisher)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		56	46	45	35	170
	1	211	24	19	18	59	
	2	193	15	11	58		
	3						
	4						
	5						
						Total takers of at least 1 fisher or marten	960

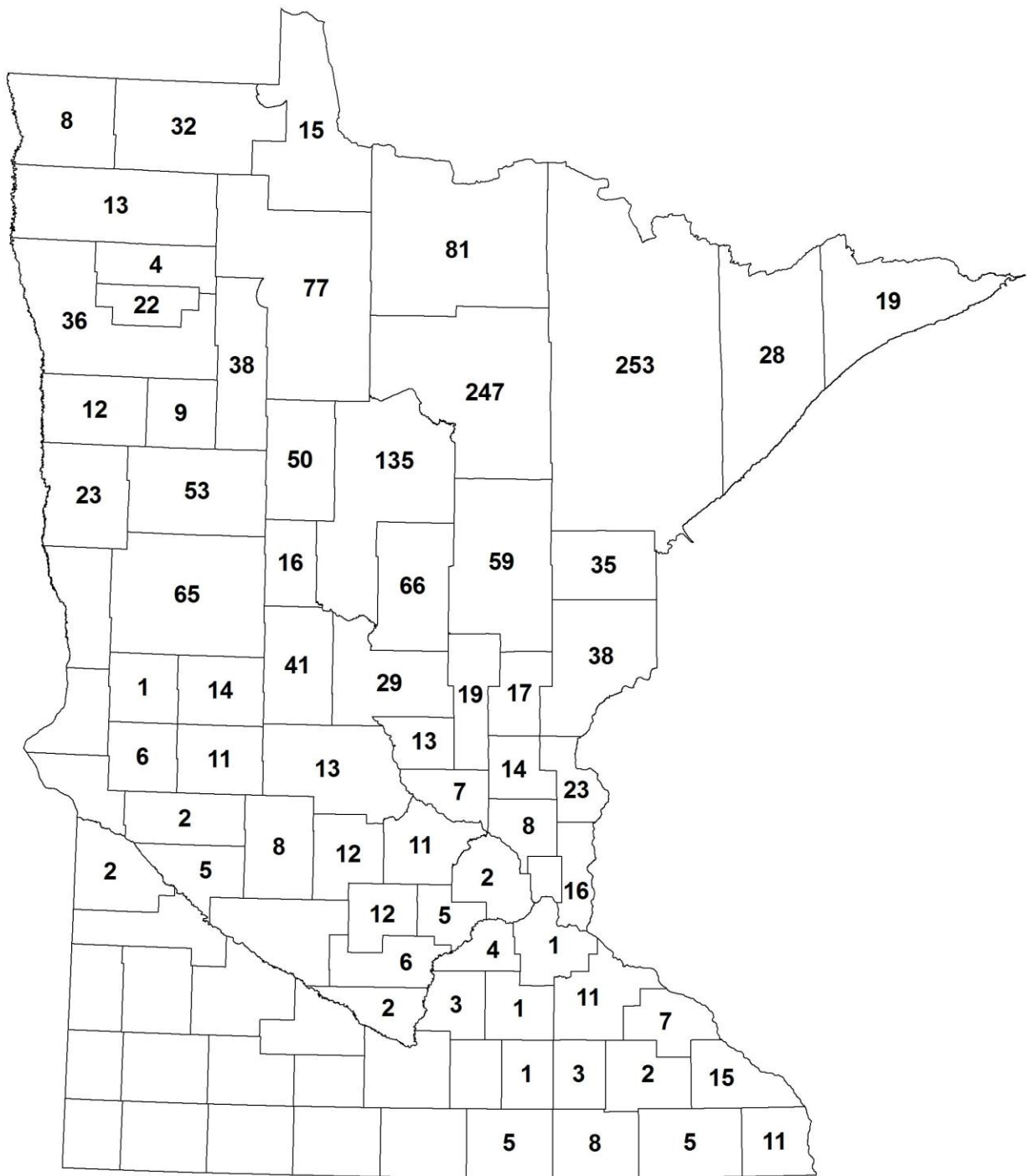


Figure 5. Otter harvest by county, 2010-11.

Table 16. Otter harvest by county and sex, 2010-11 season.

County	Sex			Total	Harvest/
	Male	Female	Unknown		100 Mile <sup>2</sup>
Aitkin	32	27		59	2.96
Anoka	5	3		8	1.80
Becker	34	19		53	3.67
Beltrami	44	33		77	2.52
Benton	6	7		13	3.15
Big Stone	0	0		0	0.00
Carlton	19	16		35	4.00
Carver	5	0		5	1.33
Cass	65	70		135	5.60
Chippewa	3	2		5	0.85
Chisago	13	10		23	5.20
Clay	12	11		23	2.18
Clearwater	20	18		38	3.69
Cook	15	4		19	1.18
Crow Wing	33	33		66	5.71
Dakota	0	1		1	0.17
Dodge	1	2		3	0.68
Douglas	9	5		14	1.94
Fillmore	2	3		5	0.58
Freeborn	3	2		5	0.69
Goodhue	5	4	2	11	1.41
Grant	1	0		1	0.17
Hennepin	2	0		2	0.33
Houston	8	3		11	1.93
Hubbard	31	21		52	5.20
Isanti	7	7		14	3.10
Itasca	133	114		247	8.44
Kanabec	13	4		17	3.19
Kandiyohi	4	4		8	0.93
Kittson	6	2		8	0.72
Koochiching	51	27	3	81	2.57
Lac Qui Parle	2	0		2	0.26
Lake	15	13		28	1.22
Lake of the Woods	12	3		15	0.84
Le Sueur	2	1		3	0.63
McLeod	7	5		12	2.38
Mahnomen	5	4		9	1.54
Marshall	9	4		13	0.72
Meeker	4	8		12	1.86
Mille Lacs	11	8		19	2.79
Morrison	19	9	1	29	2.52
Mower	4	4		8	1.13
Nicollet	1	1		2	0.43
Norman	10	2		12	1.37
Olmsted	0	2		2	0.31
Otter Tail	36	29		65	2.92
Pennington	2	2		4	0.65
Pine	25	13		38	2.65
Polk	20	15	1	36	1.80
Pope	5	6		11	1.53
Red Lake	14	8		22	5.08
Rice	0	1		1	0.19
Roseau	20	12		32	1.91
St. Louis	149	104		253	3.75



Table 16 (continued). Otter harvest by county and sex, 2010-11 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Scott	4	0		4	1.09
Sherburne	4	3		7	1.55
Sibley	2	4		6	1.00
Stearns	7	6		13	0.94
Steele	1	0		1	0.23
Stevens	3	3		6	1.04
Swift	0	2		2	0.27
Todd	21	20		41	4.19
Traverse	0	0		0	0.00
Wabasha	3	4		7	1.27
Wadena	8	8		16	2.95
Washington	12	4		16	3.78
Wilkin	0	0		0	0.00
Winona	5	10		15	2.34
Wright	9	2		11	1.54
Unknown	0	2		2	
Total	1,033	774	7	1,814	

Table 17. Comparison of otter harvest by county, 1999-2010.

County	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Aitkin	103	82	100	78	87	113	132	124	53	65	54	59
Anoka	25	14	17	17	13	32	22	16	26	18	26	8
Becker	64	45	125	104	105	178	107	117	54	55	39	53
Beltrami	103	74	108	127	173	216	170	154	105	80	74	77
Benton	2	7	10	6	7	19	14	16	9	11	3	13
Big Stone	0	0	0	0	0	0	0	0	0	2	1	0
Carlton	45	29	33	40	38	53	36	39	36	29	30	35
Carver	0	0	0	0	0	0	0	0	2	5	6	5
Cass	109	107	197	189	198	255	231	236	124	160	90	135
Chippewa	0	0	0	0	0	0	0	0	0	0	0	5
Chisago	13	12	26	18	22	20	28	33	16	15	18	23
Clay	7	3	1	7	7	15	18	35	8	14	7	23
Clearwater	29	25	47	61	52	62	48	41	39	35	19	38
Cook	30	26	26	31	41	56	46	39	13	12	16	19
Crow Wing	77	76	96	108	119	141	102	111	63	99	76	66
Dakota	0	0	0	0	0	0	0	0	0	5	7	1
Dodge	0	0	0	0	0	0	0	0	0	0	0	3
Douglas	1	1	1	0	12	27	16	30	18	28	11	14
Fillmore	0	0	0	0	0	0	0	0	6	1	1	5
Freeborn	0	0	0	0	0	0	0	0	0	0	0	5
Goodhue	0	0	0	0	0	0	0	0	3	3	7	11
Grant	0	0	0	0	0	0	0	0	3	3	6	1
Hennepin	0	0	0	0	0	0	0	0	1	3	6	2
Houston	0	0	0	0	0	0	0	0	9	15	11	11
Hubbard	23	19	61	64	70	91	80	72	59	72	41	52
Isanti	20	28	33	33	27	35	38	30	30	17	18	14
Itasca	220	296	337	310	382	483	362	334	205	201	191	247
Kanabec	29	32	56	40	38	57	79	62	44	29	23	17
Kandiyohi	0	0	0	0	0	0	0	0	2	6	6	8
Kittson	0	0	1	2	3	3	3	5	11	2	3	8
Koochiching	63	107	118	96	164	167	131	118	70	95	61	81
Lac Qui Parle	0	0	0	0	0	0	0	0	0	0	0	2
Lake	44	70	57	57	81	88	65	60	35	34	45	28
Lake of the Woods	36	18	17	21	42	31	34	24	30	17	8	15
Le Sueur	0	0	0	0	0	0	0	0	0	0	0	3
McLeod	0	0	0	0	0	0	0	0	6	6	8	12
Mahnomen	10	10	17	7	23	24	29	26	24	7	7	9
Marshall	8	16	13	35	34	29	18	7	6	2	0	13
Meeker	0	0	0	0	0	0	0	0	13	13	16	12
Mille Lacs	15	12	20	22	33	48	51	21	33	26	28	19
Morrison	30	17	45	36	46	64	77	60	45	43	31	29

Table 17 (continued). Comparison of otter harvest by county, 1999-2010.

County	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
Mower	0	0	0	0	0	0	0	0	0	0	0	8
Nicollet	0	0	0	0	0	0	0	0	0	0	0	2
Norman	2	4	3	4	1	16	17	11	9	17	11	12
Olmsted	0	0	0	0	0	0	0	0	0	2	3	2
Otter Tail	20	14	51	32	45	113	85	81	50	82	32	65
Pennington	10	2	6	12	16	18	33	15	9	0	1	4
Pine	21	35	42	61	78	99	51	111	50	74	37	38
Polk	21	34	60	63	72	104	45	47	32	25	19	36
Pope	0	0	0	0	0	0	0	0	11	12	12	11
Red Lake	8	22	18	27	35	58	26	30	19	8	20	22
Rice	0	0	0	0	0	0	0	0	0	0	0	1
Roseau	37	40	36	27	72	69	60	53	32	53	23	32
St. Louis	353	255	453	316	483	508	428	344	290	251	233	253
Scott	0	0	0	0	0	0	0	0	3	3	1	4
Sherburne	14	10	11	11	24	25	15	29	26	10	17	7
Sibley	0	0	0	0	0	0	0	0	0	0	0	6
Stearns	7	5	5	17	13	22	21	33	9	38	24	13
Steele	0	0	0	0	0	0	0	0	0	0	0	1
Stevens	0	0	0	0	0	0	0	0	1	3	1	6
Swift	0	0	0	0	0	0	0	0	9	4	5	2
Todd	16	22	24	30	49	53	63	81	35	37	32	41
Traverse	0	0	0	0	0	0	0	0	1	0	2	0
Wabasha	0	0	0	0	0	0	0	0	15	7	18	7
Wadena	13	3	23	23	35	34	38	32	15	19	15	16
Washington	4	4	4	12	10	8	11	16	18	19	11	16
Wilkin	0	0	0	0	0	0	0	0	2	0	0	0
Winona	0	0	0	0	0	0	0	0	11	19	13	15
Wright	0	0	0	1	2	3	2	5	7	9	8	11
Unknown	3	2	3	0	14	13	14	22	6	18	12	2
Totals	1,635	1,578	2,301	2,145	2,766	3,450	2,846	2,720	1,861	1,938	1,544	1,814

Table 18. Otter harvest by sex and week, 2010-11 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.23 - Oct.29	91	78		169	9.32	9.32
Oct.30 - Nov.5	241	184		425	23.43	32.75
Nov.6 - Nov.12	193	120	1	314	17.31	50.06
Nov.13 - Nov.19	139	108	2	249	13.73	63.78
Nov.20 - Nov.26	89	76		165	9.10	72.88
Nov.27 - Dec.3	87	81		168	9.26	82.14
Dec.4 - Dec.10	65	41		106	5.84	87.98
Dec.11 - Dec.17	43	21		64	3.53	91.51
Dec.18 - Dec.24	28	27		55	3.03	94.54
Dec.25 - Dec.31	21	19		40	2.21	96.75
Jan.1 - Jan.9*	22	14	1	37	2.04	98.79
Unknown	14	5	3	22	1.21	100%
<b>Total</b>	<b>1,033</b>	<b>774</b>	<b>7</b>	<b>1,814</b>	<b>100%</b>	

\* 9-day interval.

Table 19. Distribution of otter harvest\* among trappers in the northern zone, 1993-2010.

Number (%) of Takers	Number Taken				Total Takers	Ave. Take
	1	2	3	4		
1993-94	193 (33)	115 (19)	100 (17)	184 (31)	592	2.5
1994-95	250 (27)	185 (20)	143 (15)	349 (38)	927	2.6
1995-96	183 (31)	134 (23)	88 (15)	180 (31)	585	2.5
1996-97	257 (29)	205 (23)	140 (16)	283 (32)	885	2.5
1997-98	304 (33)	235 (26)	117 (13)	255 (28)	911	2.4
1998-99	263 (32)	183 (23)	139 (17)	226 (28)	811	2.4
1999-00	222 (33)	124 (19)	99 (15)	217 (33)	662	2.5
2000-01	206 (32)	122 (19)	108 (17)	201 (32)	637	2.5
2001-02	147 (23)	175 (27)	138 (21)	187 (29)	647	2.6
2002-03	253 (33)	147 (19)	122 (16)	241 (32)	763	2.5
2003-04	269 (27)	201 (20)	152 (16)	361 (37)	983	2.6
2004-05	302 (25)	235 (19)	182 (15)	498 (41)	1217	2.7
2005-06	291 (27)	213 (20)	186 (17)	386 (36)	1076	2.6
2006-07	372 (34)	216 (19)	194 (17)	328 (30)	1110	2.4
2007-08	308 (39)	153 (19)	119 (15)	207 (26)	787	2.3
2008-09	293 (37)	157 (20)	121 (15)	216 (27)	787	2.3
2009-10	237 (38)	131 (21)	93 (15)	171 (27)	632	2.3
2010-11	263 (34)	166 (22)	130 (17)	206 (27)	765	2.4

\* Product of categories above may not equal total harvest due to some unknown name/license numbers