

REGISTERED FURBEARER HARVEST STATISTICS

2009-10 Report



Drawing by Gilbert Proulx

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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 30 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). The fisher and marten harvest season was shortened the last 3 years from 16 days to 9 days (Table 1). The otter-trapping zone was expanded in 2007 to include more areas in central Minnesota, as well as a portion of southeast Minnesota (Figure 1). All harvest summaries are provided in the following tables.

Table of Contents

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

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

Table 1. Registered furbearer seasons and harvests, 1981-2009.

Figure 2. Bobcat harvest by county, 2009-10.

Table 2. Bobcat harvest by county and sex, 2009-10.

Table 3. Comparison of bobcat harvest by county, 1999-2009.

Table 4. Bobcat harvest by sex and week, 2009-10 season.

Table 5. Distribution of bobcat harvest among takers, 1985-2009.

Table 6. Bobcat harvest by method of take, 1983-2009.

Figure 3. Fisher harvest by county, 2009-10.

Table 7. Fisher harvest by county and sex, 2009-10.

Table 8. Comparison of fisher harvest by county, 1998-2009.

Table 9. Fisher harvest by date and sex, 2009-10.

Table 10. Distribution of fisher harvest among trappers, 1993-2009.

Figure 4. Marten harvest by county, 2009-10.

Table 11. Marten harvest by county and sex, 2009-10.

Table 12. Comparison of marten harvest by county, 1998-2009.

Table 13. Marten harvest by date and sex, 2009-10.

Table 14. Distribution of marten harvest among trappers, 1993-2009.

Table 15. Number of trappers with different fisher/marten combinations, 2009-10.

Figure 5. Otter harvest by county, 2009-10.

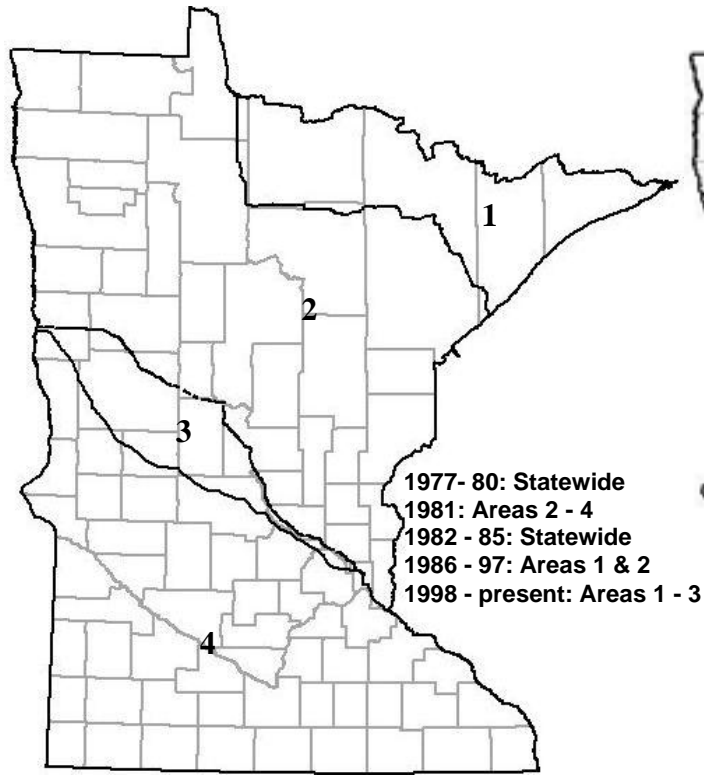
Table 16. Otter harvest by county and sex, 2009-10.

Table 17. Comparison of otter harvest by county, 1998-2009.

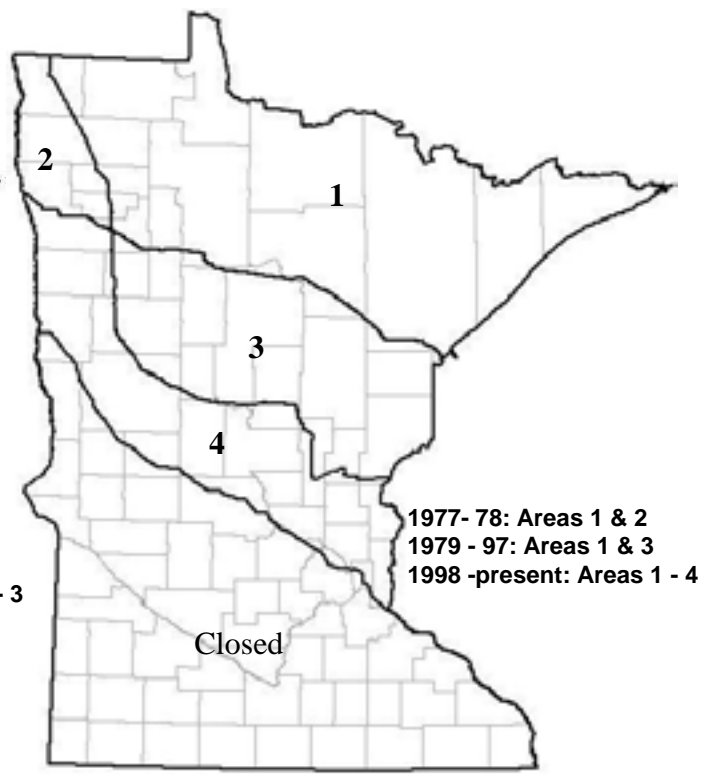
Table 18. Otter harvest by sex and week, 2009-10.

Table 19. Distribution of otter harvest among trappers in the northern zone, 1993-2009.

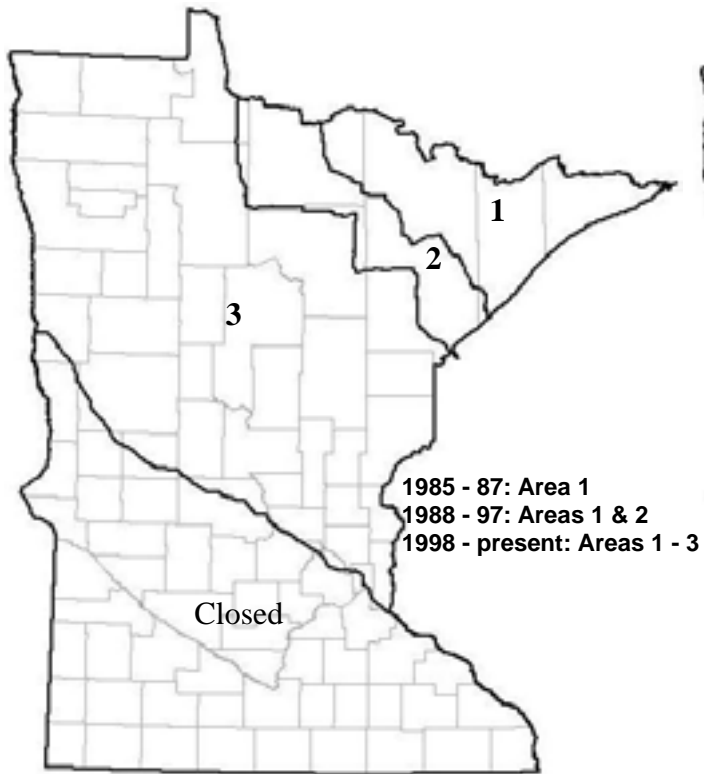
Table 20. Distribution of otter harvest* among trappers in the southeast zone, 2007-2009.



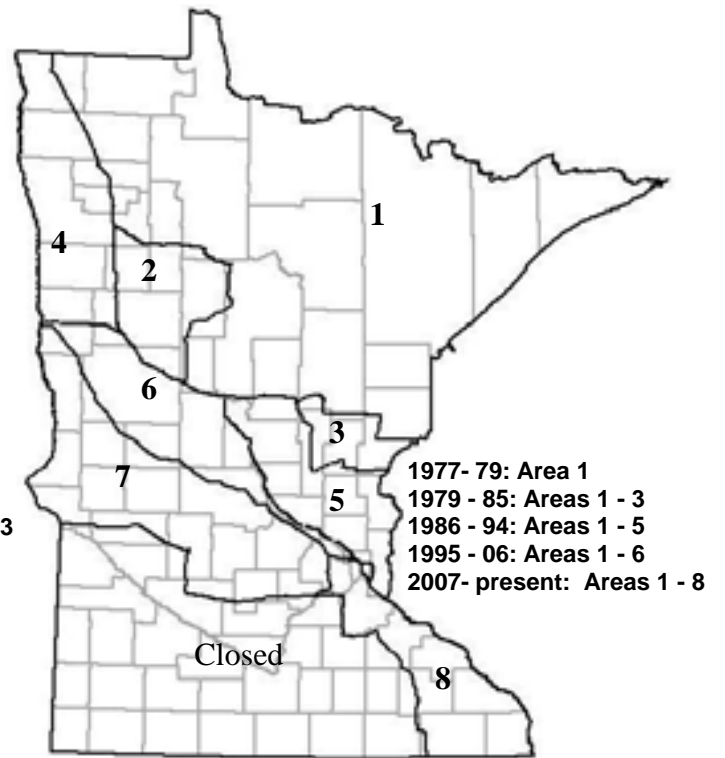
Bobcat



Fisher



Marten



Otter

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

Table 1. Registered furbearer seasons and harvests, 1981-2009.

Year	Bobcat				Fisher				Marten				Otter			
	Season	Days	Limit	Harvest	Season	Days	Limit	Harvest	Season	Days	Limit	Harvest	Season ^a	Days	Limit	Harvest
1981-82	12/1-1/23	54	5	259	12/1-12/10	10	1	862	CLOSED				11/14-11/28	15	2	484
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 ^b	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 ^b	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 ^b	1544

^a 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.

^b Starting in 2007, otter limits differ between a newly created southeast zone (limit=2; Area 8, Fig. 1) and the remainder of the open area (limit=4).

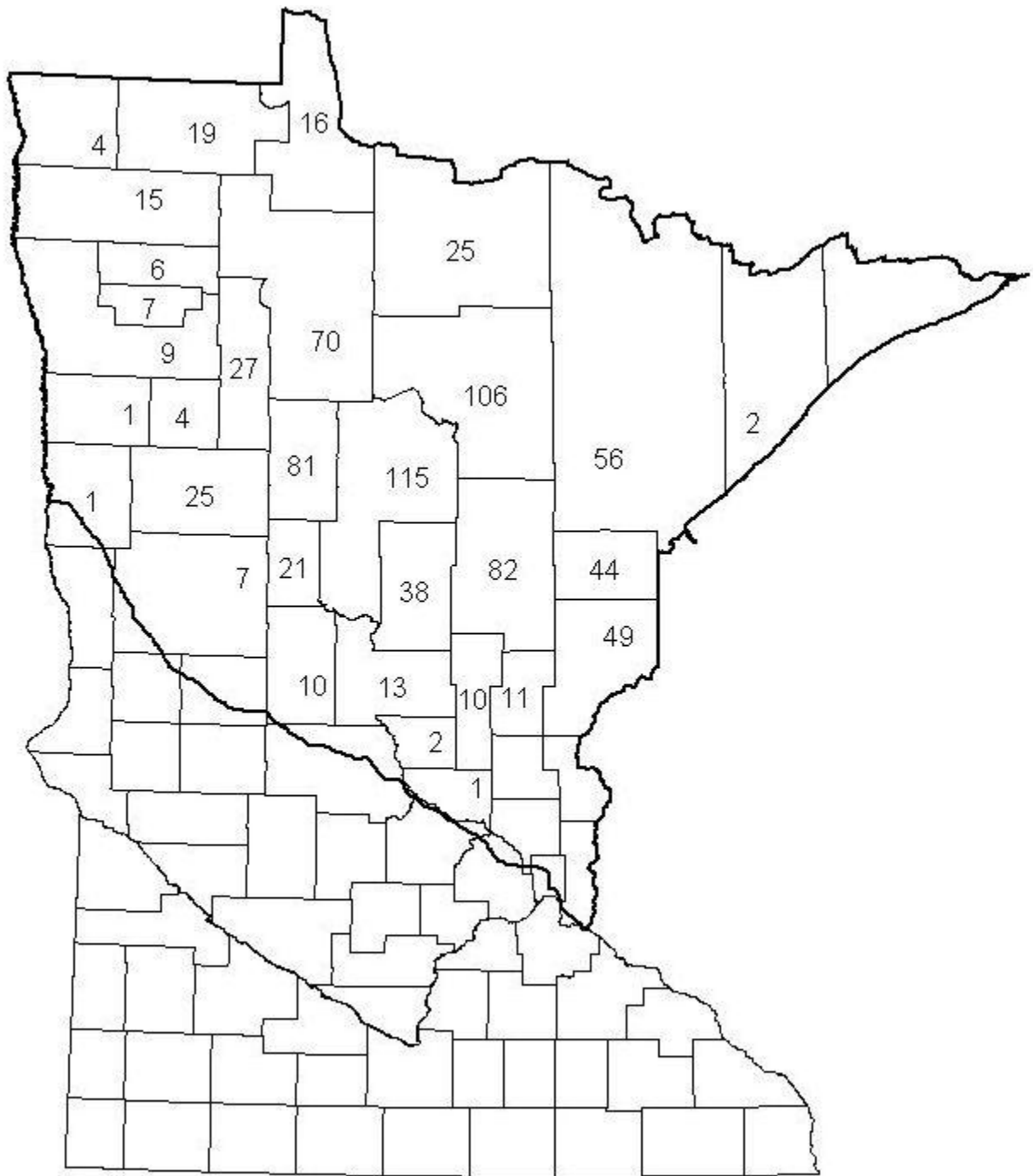


Figure 2. Bobcat harvest by county, 2009-10.

Table 2. Bobcat harvest by county and sex, 2009-10.

County	Sex*			Total
	Male	Female	Unknown	
Aitkin	41	41		82
Becker	15	10		25
Beltrami	35	34	1	70
Benton	1	1		2
Carlton	14	30		44
Cass	50	65		115
Chisago	0	0		0
Clay	1	0		1
Clearwater	12	15		27
Cook	0	0		0
Crow Wing	17	20	1	38
Hubbard	34	47		81
Isanti	0	0		0
Itasca	47	58	1	106
Kanabec	5	6		11
Kittson	1	3		4
Koochiching	11	14		25
Lake	1	1		2
LOW	5	11		16
Mahnomen	1	3		4
Marshall	13	2		15
Mille Lacs	7	3		10
Morrison	7	6		13
Norman	1	0		1
Ottertail	3	4		7
Pennington	4	2		6
Pine	20	29		49
Polk	3	6		9
Red Lake	6	1		7
Roseau	9	10		19
St. Louis	22	34		56
Sherburne	1	0		1
Stearns	0	0		0
Todd	6	4		10
Wadena	9	12		21
Unknown	2	5		7
Total	404	477	3	884

* 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, 1999-2009.

County	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Aitkin	25	32	20	35	19	37	32	46	56	64	82
Becker	8	6	28	26	19	28	19	46	24	37	25
Beltrami	13	16	26	63	47	66	34	90	33	49	70
Benton	0	0	0	0	0	0	0	0	1	5	2
Carlton	10	12	14	11	20	27	25	34	25	45	44
Cass	24	11	17	59	48	56	103	137	50	98	115
Chisago	0	0	0	1	0	0	0	0	3	0	0
Clay	0	0	0	0	1	0	0	0	0	0	1
Clearwater	4	0	6	24	19	18	18	42	25	43	27
Cook	0	0	0	1	1	2	3	0	0	1	0
Crow Wing	21	13	4	20	15	19	18	27	21	36	38
Hubbard	7	4	10	31	21	35	22	69	40	49	81
Isanti	2	0	0	0	2	0	1	0	0	0	0
Itasca	23	40	33	74	76	93	68	113	86	72	106
Kanabec	4	11	8	10	9	17	11	14	16	23	11
Kittson	7	6	7	5	8	6	3	5	4	9	4
Kooch	8	11	12	23	25	14	22	16	37	31	25
Lake	0	1	0	0	0	1	2	1	0	1	2
LOW	2	3	0	6	4	6	3	2	9	12	16
Mahnomen	1	1	1	0	3	7	2	7	8	0	4
Marshall	10	2	4	24	14	20	16	19	32	18	15
Mille Lacs	1	2	0	10	4	11	9	8	13	11	10
Morrison	6	8	4	6	14	18	18	17	23	28	13
Norman	0	0	0	0	0	0	0	1	0	0	1
Ottertail	0	0	1	0	0	5	1	7	9	7	7
Pennington	0	1	1	1	0	6	3	2	11	9	6
Pine	15	21	23	49	44	59	47	59	87	101	49
Polk	0	1	0	2	2	4	1	3	0	4	9
Red Lake	0	2	0	1	1	0	6	1	0	0	7
Roseau	7	12	18	22	28	27	28	36	32	18	19
St. Louis	5	9	7	30	25	37	44	45	39	58	56
Sherburne	0	0	0	0	0	0	0	0	0	0	1
Stearns	0	0	0	0	0	0	0	0	1	0	0
Todd	1	0	1	3	6	5	7	12	6	14	10
Wadena	2	0	5	7	8	3	17	16	9	7	21
Unknown	0	4	0	0	0	4	7	15	2	3	7
Total	206	229	250	544	483	631	590	890	702	853	884

Table 4. Bobcat harvest by sex and week, 2009-10 season.

Date	Sex*			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.28 - Dec.4	71	123		194	21.95	21.95
Dec.5 - Dec.11	93	109	2	204	23.08	45.02
Dec.12 - Dec.18	95	80		175	19.80	64.82
Dec.19 - Dec.25	74	96	1	171	19.34	84.16
Dec.26 - Jan.3**	64	62		126	14.25	98.42
Unknown	7	7		14	1.58	100.00
Total	404	477	3	884	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, 1985-2009.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
1985-86	70 (79)	11 (12)	6 (7)	1 (1)	1 (1)	89
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

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

Table 6. Bobcat harvest by method of take, 1983-2009.

Year	Total	Trapping					Hunting				
	Harvest ^a	Harvest	% of Total	# Takers	Ave. Take	% Males ^b	Harvest	% of Total	# Takers	Ave. Take	% Males ^b
1983-84	208	168	81	118	1.4		40	19	32	1.3	
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

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

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

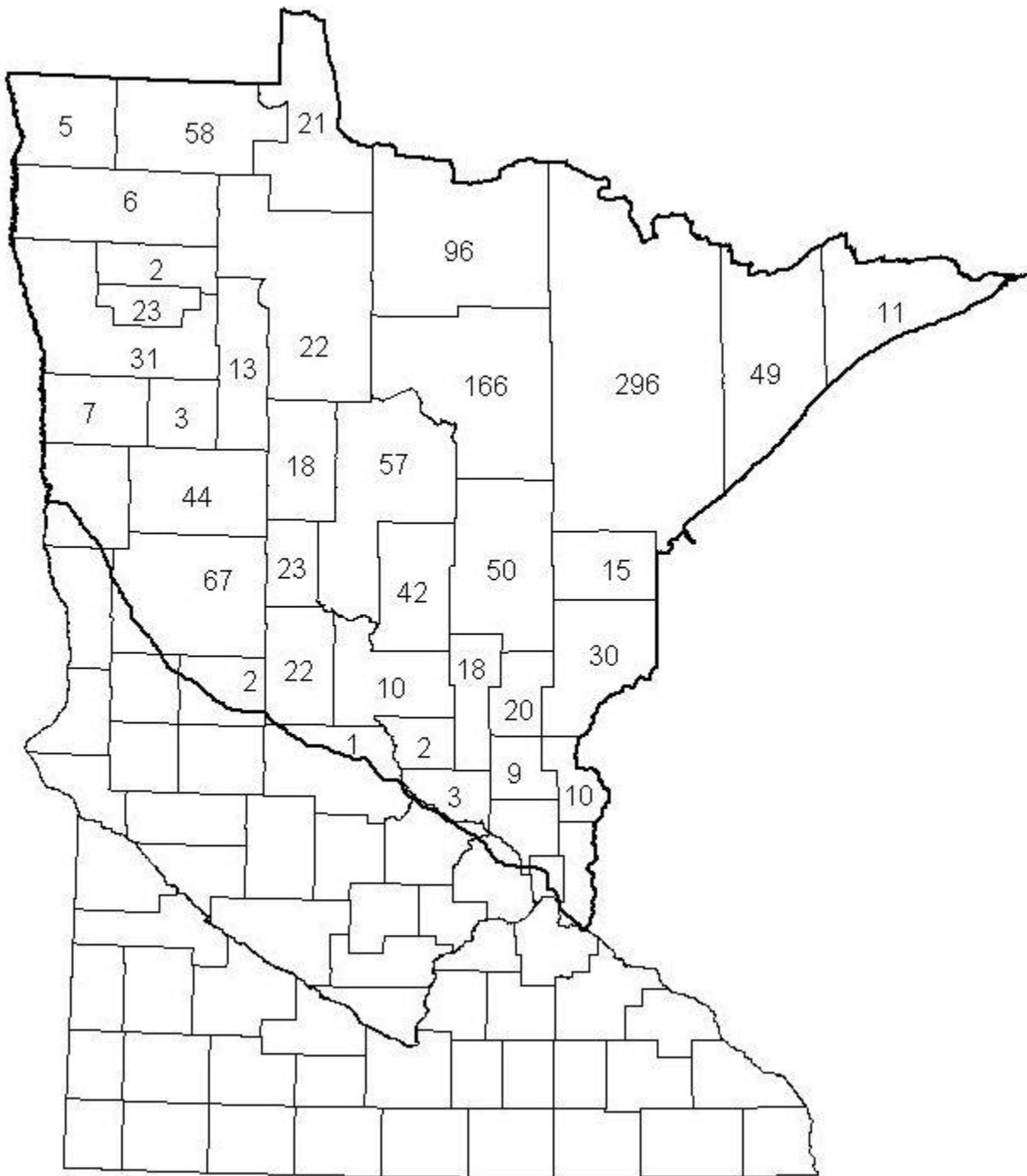


Figure 3. Fisher harvest by county, 2009-10.

Table 7. Fisher harvest by county and sex, 2009-10 season.

County	Sex			Total
	Male	Female	Unknown	
Aitkin	26	24		50
Anoka	0	0		0
Becker	28	16		44
Beltrami	10	12		22
Benton	0	2		2
Carlton	9	6		15
Cass	34	23		57
Chisago	6	4		10
Clay	0	0		0
Clearwater	8	5		13
Cook	5	6		11
Crow Wing	18	24		42
Douglas	1	1		2
Hubbard	10	8		18
Isanti	6	3		9
Itasca	87	79		166
Kanabec	14	6		20
Kittson	4	1		5
Koochiching	45	51		96
Lake	17	30	2	49
LOW	10	11		21
Mahnomen	2	1		3
Marshall	4	2		6
Mille Lacs	11	7		18
Morrison	7	3		10
Norman	3	4		7
Ottertail	34	33		67
Pennington	2	0		2
Pine	17	13		30
Polk	16	15		31
Red Lake	15	8		23
Roseau	30	28		58
St. Louis	155	141		296
Sherburne	2	1		3
Stearns	0	1		1
Todd	13	9		22
Wadena	18	5		23
Washington	0	0		0
Unknown	4	3		7
Total	671	586	2	1,259

Table 8. Comparison of fisher harvest by county, 1998-2009.

County	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Aitkin	105	84	68	103	122	124	96	97	156	67	75	50
Anoka	0	0	0	0	0	1	0	0	0	0	2	0
Becker	15	32	42	46	96	88	92	49	87	57	36	44
Beltrami	105	70	60	73	117	74	71	47	54	40	15	22
Benton	0	0	0	0	0	1	0	1	1	0	3	2
Carlton	25	23	27	37	48	42	40	35	49	13	19	15
Cass	133	123	122	134	225	205	186	149	209	80	77	57
Chisago	1	0	3	2	6	5	6	2	18	7	4	10
Clay	0	0	0	0	0	0	0	0	1	0	3	0
Clearwater	18	13	15	45	45	52	41	35	54	19	37	13
Cook	26	19	19	33	27	28	24	40	35	29	10	11
Crow Wing	75	53	71	82	106	106	113	79	140	81	116	42
Douglas	0	0	1	0	0	3	3	3	6	2	5	2
Hubbard	38	34	34	64	59	62	32	20	51	20	38	18
Isanti	0	0	0	0	0	0	2	3	5	1	5	9
Itasca	441	248	288	298	354	319	323	320	405	195	195	166
Kanabec	3	11	4	4	19	21	13	15	26	11	26	20
Kittson	3	3	3	7	3	11	2	7	2	5	8	5
Koochiching	369	150	159	156	178	171	179	209	221	105	115	96
Lake	84	46	62	54	72	74	87	85	87	49	54	49
LOW	99	83	71	48	115	78	33	63	74	17	42	21
Mahnomen	0	3	0	12	16	14	13	9	27	25	6	3
Marshall	7	10	27	19	18	21	25	18	26	19	26	6
Mille Lacs	3	0	4	3	16	22	14	16	20	15	17	18
Morrison	0	2	0	1	6	3	7	5	23	21	14	10
Norman	0	6	0	0	1	1	11	6	4	9	12	7
Ottertail	1	0	0	1	12	40	52	60	158	110	152	67
Pennington	0	2	4	4	10	18	42	22	22	16	8	2
Pine	55	36	37	29	44	54	56	42	82	39	74	30
Polk	5	6	8	24	46	65	47	38	72	61	49	31
Red Lake	0	2	18	16	15	16	29	34	32	29	23	23
Roseau	171	111	157	180	106	141	114	110	127	84	89	58
St. Louis	880	546	369	608	734	611	740	688	898	407	283	296
Sherburne	0	0	0	0	0	2	0	0	0	0	0	3
Stearns	0	0	0	0	0	0	1	0	0	0	1	1
Todd	0	0	0	2	5	14	18	23	21	13	33	22
Wadena	5	8	0	31	39	32	31	40	44	27	37	23
Washington	0	0	0	0	0	0	0	0	0	1	0	0
Unknown	28	2	1	1	0	2	9	18	14	8	3	7
Total	2,695	1,726	1,674	2,117	2,660	2,521	2,552	2,388	3,251	1,682	1,712	1,259

Table 9. Fisher harvest by date and sex, 2009-10 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 28	1	2		3	0.24	0.24
Nov. 29	60	52		112	8.90	9.13
Nov. 30	89	75		164	13.03	22.16
Dec. 1	110	88		198	15.73	37.89
Dec. 2	75	88		163	12.95	50.83
Dec. 3	81	61	2	144	11.44	62.27
Dec. 4	74	55		129	10.25	72.52
Dec. 5	86	74		160	12.71	85.23
Dec. 6	73	73		146	11.60	96.82
Unknown	22	18		40	3.18	100%
Total	671	586	2	1,259	100%	

Table 10. Distribution of fisher harvest* among trappers, 1993-2009.

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

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

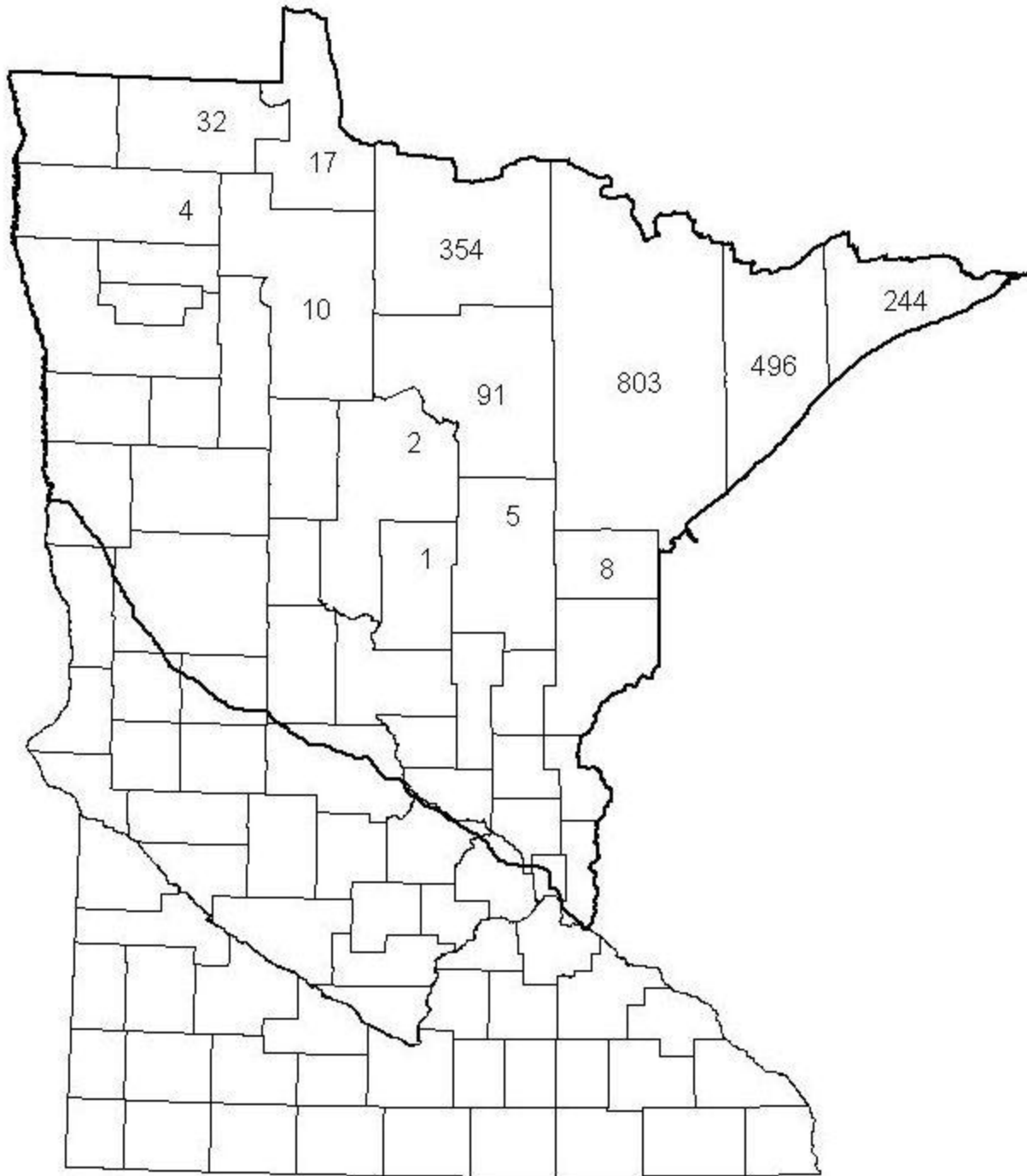


Figure 4. Marten harvest by county, 2009-10.

Table 11. Marten harvest by county and sex, 2009-10 season.

County	Sex			Total
	Male	Female	Unknown	
Aitkin	4	1		5
Beltrami	5	5		10
Carlton	4	4		8
Cass	2	0		2
Clearwater	0	0		0
Cook	170	74		244
Crow Wing	0	1		1
Itasca	62	29		91
Kanabec	0	0		0
Koochiching	217	136	1	354
Lake	311	182	3	496
Lake of the Woods	11	6		17
Mahnomen	0	0		0
Marshall	2	2		4
Pennington	0	0		0
Pine	0	0		0
Red Lake	0	0		0
Roseau	14	18		32
St. Louis	504	299		803
Unknown	6	0		6
Total	1,312	757	4	2,073

Table 12. Comparison of marten harvest by county in Minnesota, 1998-2009.

County	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Aitkin	1	2	2	3	5	6	6	6	13	4	12	5
Beltrami	12	37	2	24	30	38	65	17	19	8	6	10
Carlton	3	6	5	11	4	11	1	10	6	1	4	8
Cass	1	2	3	1	3	2	3	1	4	0	1	2
Clearwater	0	0	0	0	0	1	1	0	0	0	0	0
Cook	208	240	190	164	228	411	318	369	446	269	151	244
Crow Wing	0	3	0	0	0	0	0	0	0	0	0	1
Itasca	155	114	82	102	147	141	136	98	155	74	72	91
Kanabec	0	0	0	0	0	0	0	0	2	0	0	0
Koochiching	517	492	306	327	525	534	549	418	592	348	300	354
Lake	284	284	323	243	492	541	551	536	892	520	438	496
LOW	26	58	15	13	104	71	122	54	46	31	17	17
Mahnomen	0	0	0	0	0	0	2	0	0	0	0	0
Marshall	0	1	1	1	1	1	5	3	0	1	0	4
Pennington	0	0	2	0	0	0	0	0	0	1	0	0
Pine	0	0	0	0	0	1	2	1	1	1	0	0
Red Lake	0	0	3	0	0	0	0	0	0	0	0	0
Roseau	41	51	98	48	116	104	127	51	31	69	46	32
St. Louis	1,020	1,131	596	991	1,184	1,352	1,346	1,065	1,579	885	769	803
Unknown	31	2	1	0	0	0	7	24	2	9	7	6
Total	2,299	2,423	1,629	1,928	2,839	3,214	3,241	2,653	3,788	2,221	1,823	2,073

Table 13. Marten harvest by date and sex, 2009-10 season.

Date	Sex			Total	% of Known Total	Cumulative %
	Male	Female	Unknown			
Nov. 28	0	0		0	0.00	0.00
Nov. 29	171	91		262	12.64	12.64
Nov. 30	200	107	3	310	14.95	27.59
Dec. 1	203	128		331	15.97	43.56
Dec. 2	218	115		333	16.06	59.62
Dec. 3	153	69	1	223	10.76	70.38
Dec. 4	125	68		193	9.31	79.69
Dec. 5	121	101		222	10.71	90.40
Dec. 6	91	59		150	7.24	97.64
Unknown	30	19		49	2.36	100%
Total	1,312	757	4	2,073	100%	

Table 14. Distribution of marten harvest* among trappers, 1993-2009.

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

* 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, 2009-10. (Combined limit = 5)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		53	47	37	49	172
	1	202	34	22	29	85	
	2	88	13	15	40		
	3	40	7	21			
	4	28	14				
	5	38					
						Total takers of at least 1 fisher or marten	1034

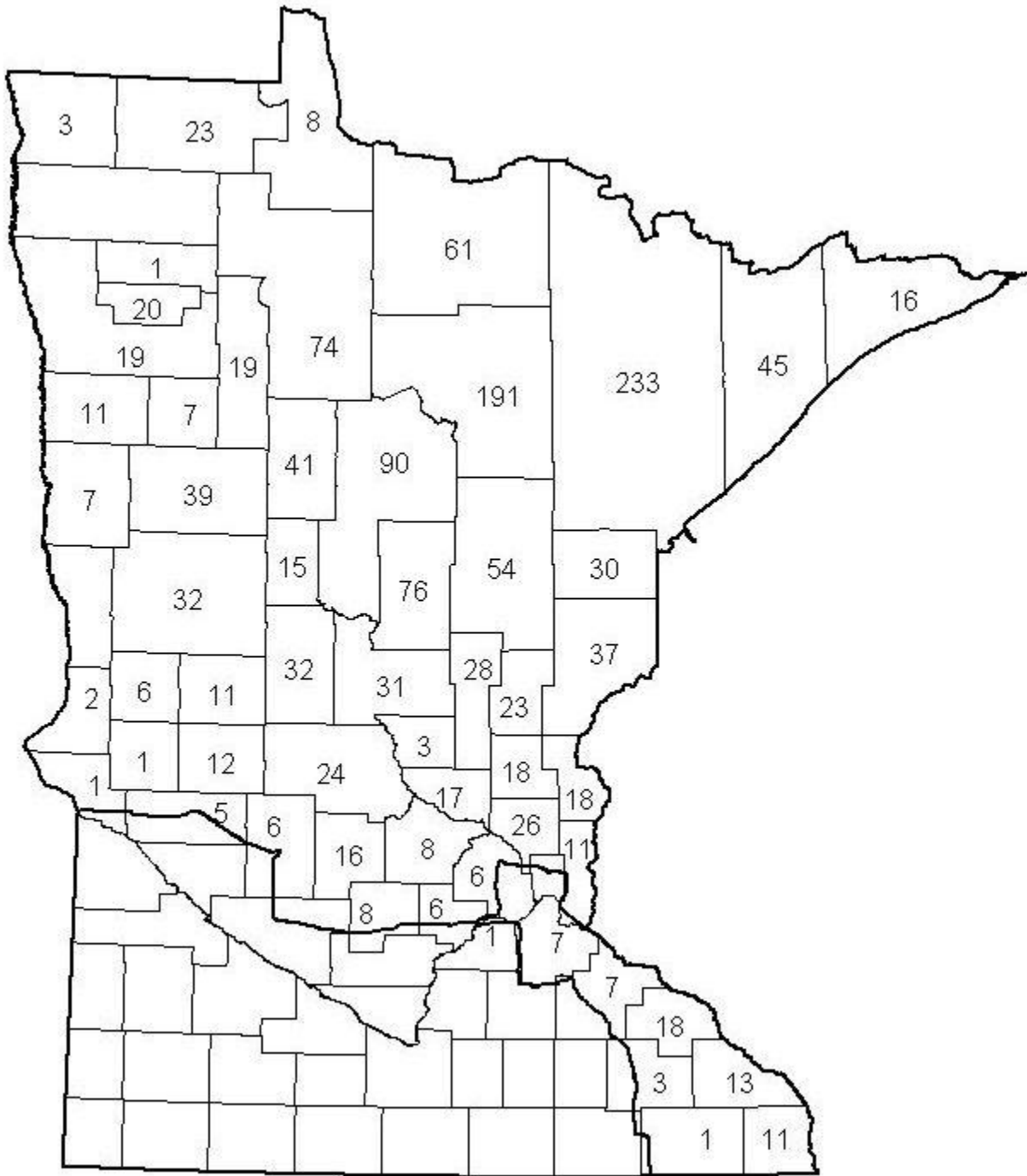


Figure 5. Otter harvest by county, 2009-10.

Table 16. Otter harvest by county and sex, 2009-10 season.

County	Sex			Total
	Male	Female	Unknown	
Aitkin	36	18		54
Anoka	15	11		26
Becker	21	18		39
Beltrami	40	34		74
Benton	1	2		3
Big Stone	1	0		1
Carlton	17	13		30
Carver	3	3		6
Cass	46	44		90
Chisago	11	7		18
Clay	5	2		7
Clearwater	8	11		19
Cook	9	7		16
Crow Wing	49	27		76
Dakota	2	5		7
Douglas	4	7		11
Fillmore	1	0		1
Goodhue	2	5		7
Grant	3	3		6
Hennepin	3	3		6
Houston	8	3		11
Hubbard	23	18		41
Isanti	13	5		18
Itasca	116	75		191
Kanabec	16	7		23
Kandiyohi	3	3		6
Kittson	3	0		3
Koochiching	34	27		61
Lake	23	22		45
Lake of the Woods	8	0		8
McLeod	6	2		8
Mahnomen	4	3		7
Marshall	0	0		0
Meeker	11	5		16
Mille Lacs	13	15		28
Morrison	19	12		31
Norman	10	1		11
Olmsted	1	2		3
Ottertail	18	14		32
Pennington	1	0		1
Pine	20	17		37
Polk	7	12		19
Pope	9	3		12
Red Lake	12	8		20
Roseau	18	5		23
St. Louis	135	98		233
Scott	1	0		1
Sherburne	7	10		17
Stearns	16	8		24
Stevens	0	1		1
Swift	5	0		5
Todd	19	13		32
Traverse	1	1		2
Wabasha	9	9		18
Wadena	8	7		15
Washington	7	4		11
Wilkin	0	0		0
Winona	8	5		13
Wright	5	3		8
Unknown	8	4		12
Total	902	642	0	1,544

Table 17. Comparison of otter harvest by county, 1998-2009.

County	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Aitkin	87	103	82	100	78	87	113	132	124	53	65	54
Anoka	23	25	14	17	17	13	32	22	16	26	18	26
Becker	30	64	45	125	104	105	178	107	117	54	55	39
Beltrami	81	103	74	108	127	173	216	170	154	105	80	74
Benton	6	2	7	10	6	7	19	14	16	9	11	3
Big Stone	0	0	0	0	0	0	0	0	0	0	2	1
Carlton	39	45	29	33	40	38	53	36	39	36	29	30
Carver	0	0	0	0	0	0	0	0	0	2	5	6
Cass	149	109	107	197	189	198	255	231	236	124	160	90
Chisago	20	13	12	26	18	22	20	28	33	16	15	18
Clay	0	7	3	1	7	7	15	18	35	8	14	7
Clearwater	18	29	25	47	61	52	62	48	41	39	35	19
Cook	48	30	26	26	31	41	56	46	39	13	12	16
Crow Wing	81	77	76	96	108	119	141	102	111	63	99	76
Dakota	0	0	0	0	0	0	0	0	0	0	5	7
Douglas	7	1	1	1	0	12	27	16	30	18	28	11
Fillmore	0	0	0	0	0	0	0	0	0	6	1	1
Goodhue	0	0	0	0	0	0	0	0	0	3	3	7
Grant	0	0	0	0	0	0	0	0	0	3	3	6
Hennepin	0	0	0	0	0	0	0	0	0	1	3	6
Houston	0	0	0	0	0	0	0	0	0	9	15	11
Hubbard	28	23	19	61	64	70	91	80	72	59	72	41
Isanti	26	20	28	33	33	27	35	38	30	30	17	18
Itasca	339	220	296	337	310	382	483	362	334	205	201	191
Kanabec	24	29	32	56	40	38	57	79	62	44	29	23
Kandiyohi	0	0	0	0	0	0	0	0	0	2	6	6
Kittson	1	0	0	1	2	3	3	3	5	11	2	3
Koochiching	126	63	107	118	96	164	167	131	118	70	95	61
Lake	77	44	70	57	57	81	88	65	60	35	34	45
LOW	32	36	18	17	21	42	31	34	24	30	17	8
McLeod	0	0	0	0	0	0	0	0	0	6	6	8
Mahnomen	9	10	10	17	7	23	24	29	26	24	7	7
Marshall	5	8	16	13	35	34	29	18	7	6	2	0
Meeker	0	0	0	0	0	0	0	0	0	13	13	16
Mille Lacs	17	15	12	20	22	33	48	51	21	33	26	28
Morrison	18	30	17	45	36	46	64	77	60	45	43	31
Norman	0	2	4	3	4	1	16	17	11	9	17	11
Olmsted	0	0	0	0	0	0	0	0	0	0	2	3
Ottertail	29	20	14	51	32	45	113	85	81	50	82	32
Pennington	2	10	2	6	12	16	18	33	15	9	0	1
Pine	62	21	35	42	61	78	99	51	111	50	74	37

Table 17 (continued). Comparison of otter harvest by county, 1998-2009.

County	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
Polk	23	21	34	60	63	72	104	45	47	32	25	19
Pope	0	0	0	0	0	0	0	0	0	11	12	12
Red Lake	7	8	22	18	27	35	58	26	30	19	8	20
Roseau	40	37	40	36	27	72	69	60	53	32	53	23
St. Louis	421	353	255	453	316	483	508	428	344	290	251	233
Scott	0	0	0	0	0	0	0	0	0	3	3	1
Sherburne	13	14	10	11	11	24	25	15	29	26	10	17
Stearns	11	7	5	5	17	13	22	21	33	9	38	24
Stevens	0	0	0	0	0	0	0	0	0	1	3	1
Swift	0	0	0	0	0	0	0	0	0	9	4	5
Todd	23	16	22	24	30	49	53	63	81	35	37	32
Traverse	0	0	0	0	0	0	0	0	0	1	0	2
Wabasha	0	0	0	0	0	0	0	0	0	15	7	18
Wadena	6	13	3	23	23	35	34	38	32	15	19	15
Washington	6	4	4	4	12	10	8	11	16	18	19	11
Wilkin	0	0	0	0	0	0	0	0	0	2	0	0
Winona	0	0	0	0	0	0	0	0	0	11	19	13
Wright	0	0	0	0	1	2	3	2	5	7	9	8
Unknown	12	3	2	3	0	14	13	14	22	6	18	12
Totals	1,946	1,635	1,578	2,301	2,145	2,766	3,450	2,846	2,720	1,861	1,938	1,544

Table 18. Otter harvest by sex and week, 2009-10 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.24 - Oct.30	82	61		143	9.26	9.26
Oct.31 - Nov.6	196	157		353	22.86	32.12
Nov.7 - Nov.13	130	100		230	14.90	47.02
Nov.14 - Nov.20	111	72		183	11.85	58.87
Nov.21 - Nov.27	90	59		149	9.65	68.52
Nov.28 - Dec.4	137	80		217	14.05	82.58
Dec.5 - Dec.11	64	44		108	6.99	89.57
Dec.12 - Dec.18	30	26		56	3.63	93.20
Dec.19 - Dec.25	37	26		63	4.08	97.28
Dec.26 - Jan.3*	18	14		32	2.07	99.35
Unknown	7	3		10	0.65	100%
Total	902	642	0	1,544	100%	

* 9-day interval.

Table 19. Distribution of otter harvest^{*} among trappers in the northern zone, 1993-2009.

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

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

Table 20. Distribution of otter harvest* among trappers in the southeast zone, 2007-2009.

Number (%) of Takers	Number Taken		Total Takers	Ave. Take
	1	2		
2007-08	11 (44)	14 (56)	25	1.6
2008-09	21 (62)	13 (38)	34	1.4
2009-10	20 (50)	20 (50)	40	1.5

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