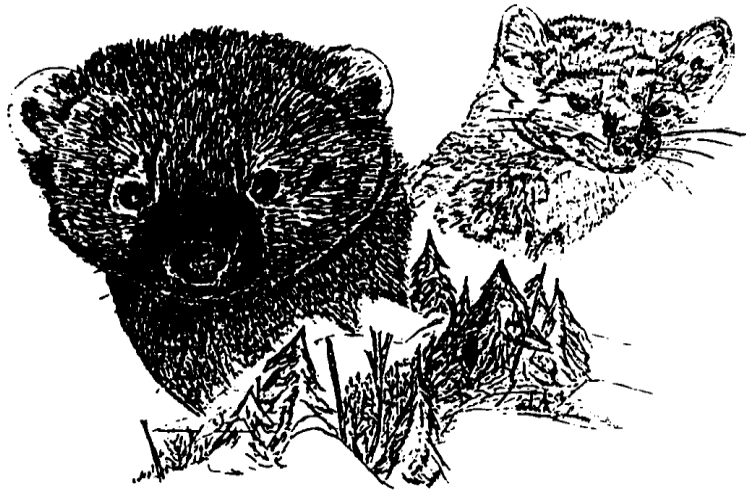


REGISTERED FURBEARER HARVEST STATISTICS

2008-09 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 2 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.

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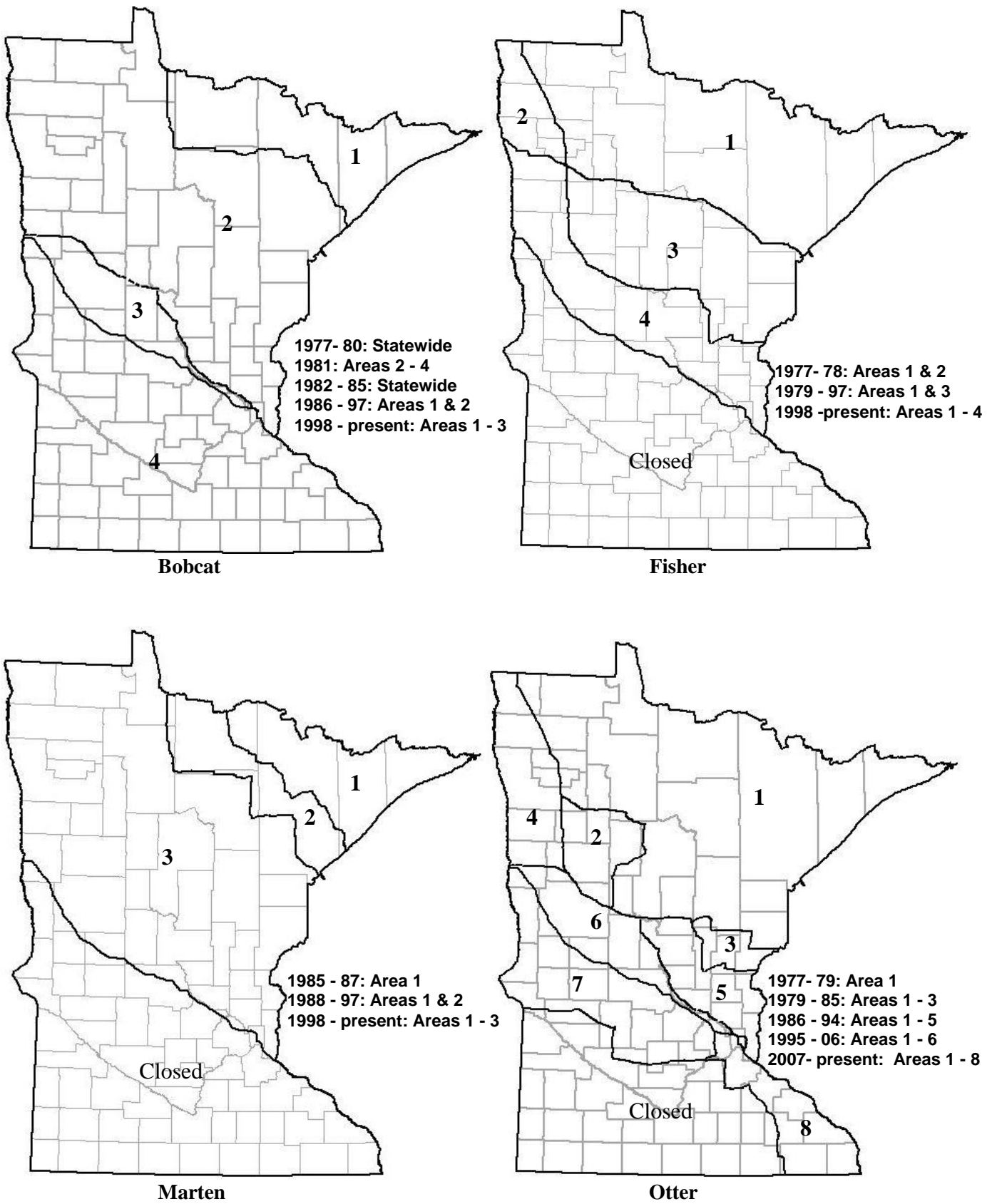


Figure 1. Open trapping areas for fisher, marten, bobcat, and otter, 1977 - present.

Table 1. Registered furbearer seasons and harvests, 1981-2008.

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

^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).

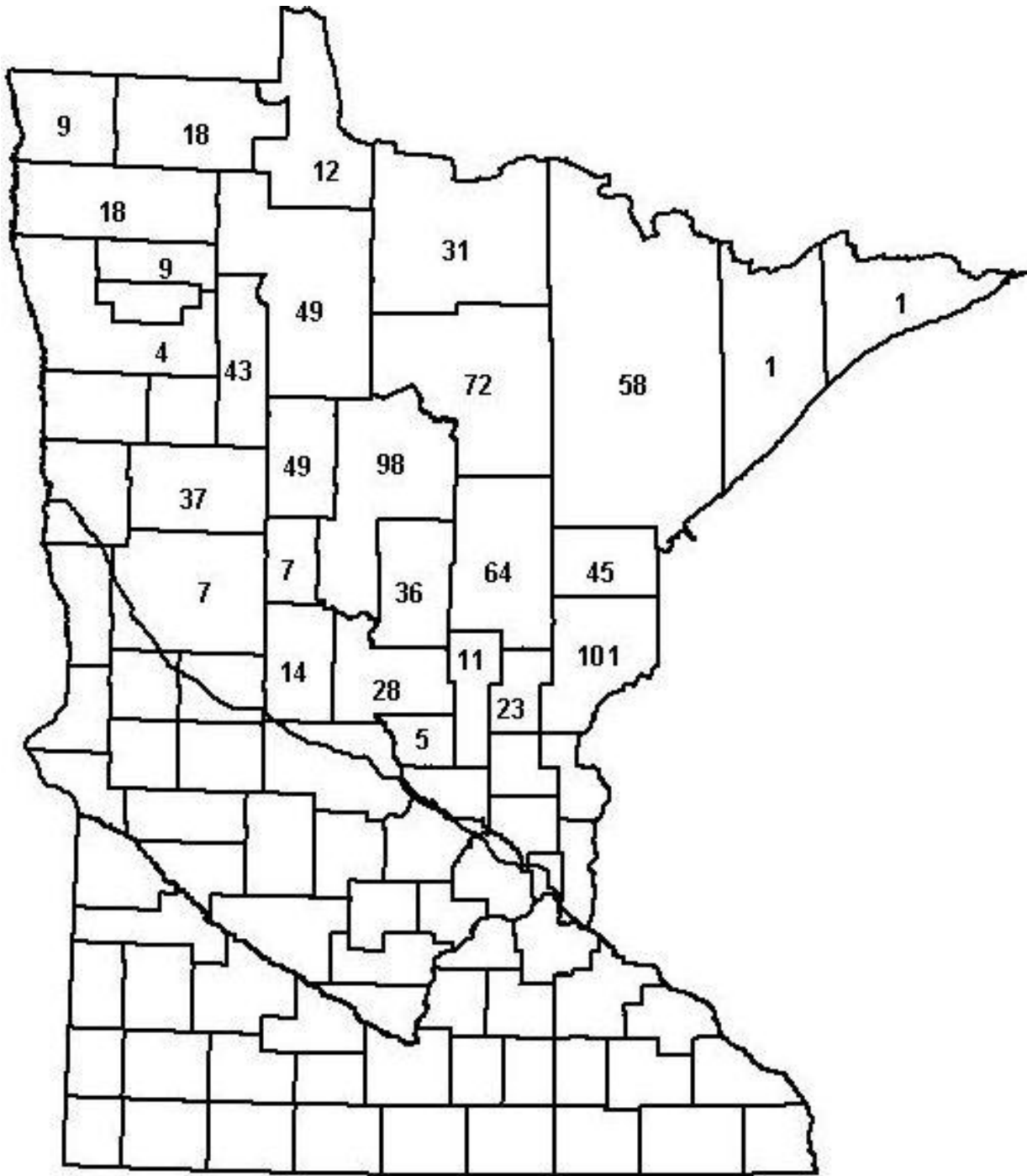


Figure 2. Bobcat harvest by county, 2008-09.

Table 2. Bobcat harvest by county and sex, 2008-09.

County	Sex*			Total
	Male	Female	Unknown	
Aitkin	27	37		64
Becker	17	20		37
Beltrami	20	29		49
Benton	1	4		5
Carlton	19	26		45
Cass	37	61		98
Chisago	0	0		0
Clay	0	0		0
Clearwater	22	21		43
Cook	0	1		1
Crow Wing	17	19		36
Hubbard	22	27		49
Isanti	0	0		0
Itasca	36	35	1	72
Kanabec	13	10		23
Kittson	6	3		9
Koochiching	11	20		31
Lake	0	1		1
LOW	5	7		12
Mahnomen	0	0		0
Marshall	6	12		18
Mille Lacs	7	4		11
Morrison	15	13		28
Norman	0	0		0
Ottertail	2	5		7
Pennington	5	4		9
Pine	52	49		101
Polk	1	3		4
Red Lake	0	0		0
Roseau	10	8		18
St. Louis	23	35		58
Stearns	0	0		0
Todd	5	9		14
Wadena	3	4		7
Unknown	2	1		3
Total	384	468	1	853

* 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, 1998-2008.

County	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Aitkin	6	25	32	20	35	19	37	32	46	56	64
Becker	1	8	6	28	26	19	28	19	46	24	37
Beltrami	7	13	16	26	63	47	66	34	90	33	49
Benton	0	0	0	0	0	0	0	0	0	1	5
Carlton	4	10	12	14	11	20	27	25	34	25	45
Cass	16	24	11	17	59	48	56	103	137	50	98
Chisago	0	0	0	0	1	0	0	0	0	3	0
Clay	0	0	0	0	0	1	0	0	0	0	0
Clearwater	1	4	0	6	24	19	18	18	42	25	43
Cook	0	0	0	0	1	1	2	3	0	0	1
Crow Wing	15	21	13	4	20	15	19	18	27	21	36
Hubbard	1	7	4	10	31	21	35	22	69	40	49
Isanti	0	2	0	0	0	2	0	1	0	0	0
Itasca	10	23	40	33	74	76	93	68	113	86	72
Kanabec	3	4	11	8	10	9	17	11	14	16	23
Kittson	0	7	6	7	5	8	6	3	5	4	9
Kooch	2	8	11	12	23	25	14	22	16	37	31
Lake	1	0	1	0	0	0	1	2	1	0	1
LOW	2	2	3	0	6	4	6	3	2	9	12
Mahnomen	0	1	1	1	0	3	7	2	7	8	0
Marshall	4	10	2	4	24	14	20	16	19	32	18
Mille Lacs	0	1	2	0	10	4	11	9	8	13	11
Morrison	2	6	8	4	6	14	18	18	17	23	28
Norman	0	0	0	0	0	0	0	0	1	0	0
Ottertail	0	0	0	1	0	0	5	1	7	9	7
Pennington	0	0	1	1	1	0	6	3	2	11	9
Pine	12	15	21	23	49	44	59	47	59	87	101
Polk	0	0	1	0	2	2	4	1	3	0	4
Red Lake	0	0	2	0	1	1	0	6	1	0	0
Roseau	3	7	12	18	22	28	27	28	36	32	18
St. Louis	10	5	9	7	30	25	37	44	45	39	58
Stearns	0	0	0	0	0	0	0	0	0	1	0
Todd	2	1	0	1	3	6	5	7	12	6	14
Wadena	1	2	0	5	7	8	3	17	16	9	7
Unknown	0	0	4	0	0	0	4	7	15	2	3
Total	103	206	229	250	544	483	631	590	890	702	853

Table 4. Bobcat harvest by sex and week, 2008-09 season.

Date	Sex*			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.29 - Dec.5	136	142		278	32.59	32.59
Dec.6 - Dec.12	77	127		204	23.92	56.51
Dec.13 - Dec.19	49	54		103	12.08	68.58
Dec.20 - Dec.26	60	60		120	14.07	82.65
Dec.27 - Jan.4**	57	72	1	130	15.24	97.89
Unknown	5	13		18	2.11	100.00
Total	384	468	1	853	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, 1984-2008.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
1984-85	116 (65)	39 (22)	13 (7)	9 (5)	1 (1)	178
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

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

Table 6. Bobcat harvest by method of take, 1982-2008.

Year	Total	Trapping					Hunting				
	Harvest ^a	Harvest	% of Total	# Takers	Ave. Take	% Males ^b	Harvest	% of Total	# Takers	Ave. Take	% Males ^b
1982-83	274	239	87	147	1.6		35	13	23	1.5	
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

^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

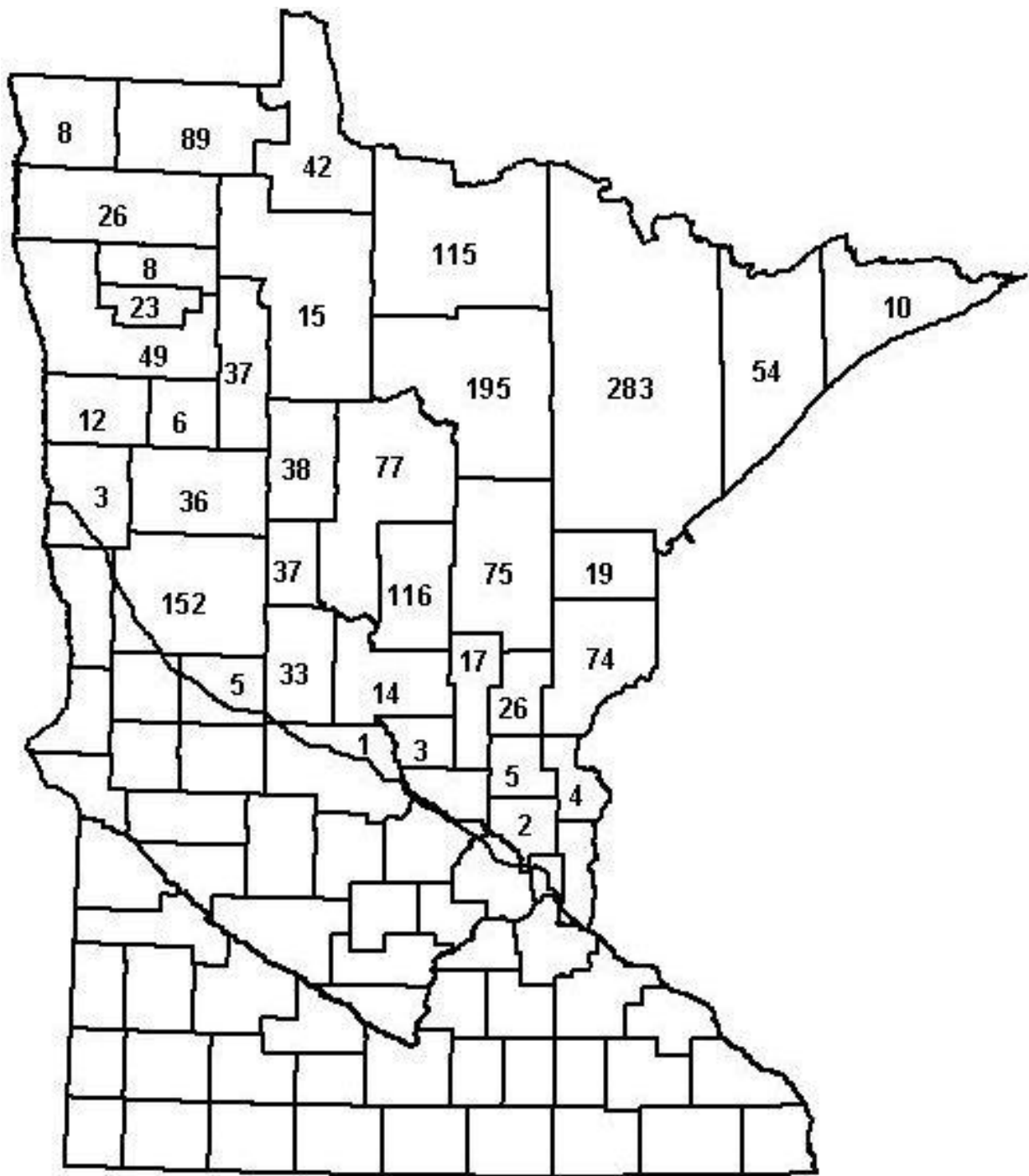


Figure 3. Fisher harvest by county, 2008-09.

Table 7. Fisher harvest by county and sex, 2008-09 season.

County	Sex			Total
	Male	Female	Unknown	
Aitkin	41	34		75
Anoka	2	0		2
Becker	23	13		36
Beltrami	7	8		15
Benton	2	1		3
Carlton	10	9		19
Cass	44	33		77
Chisago	1	3		4
Clay	2	1		3
Clearwater	16	20	1	37
Cook	3	7		10
Crow Wing	59	57		116
Douglas	4	1		5
Hubbard	24	14		38
Isanti	3	2		5
Itasca	100	92	3	195
Kanabec	12	14		26
Kittson	6	2		8
Koochiching	54	61		115
Lake	17	37		54
LOW	23	19		42
Mahnomen	3	3		6
Marshall	11	15		26
Mille Lacs	9	8		17
Morrison	7	7		14
Norman	7	5		12
Ottertail	88	64		152
Pennington	5	3		8
Pine	43	31		74
Polk	23	26		49
Red Lake	11	12		23
Roseau	47	42		89
St. Louis	130	153		283
Sherburne	0	0		0
Stearns	0	1		1
Todd	17	16		33
Wadena	17	20		37
Washington	0	0		0
Unknown	1	2		3
Total	872	836	4	1,712

Table 8. Comparison of fisher harvest by county, 1997-2008.

County	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Aitkin	86	105	84	68	103	122	124	96	97	156	67	75
Anoka	0	0	0	0	0	0	1	0	0	0	0	2
Becker	25	15	32	42	46	96	88	92	49	87	57	36
Beltrami	140	105	70	60	73	117	74	71	47	54	40	15
Benton	0	0	0	0	0	0	1	0	1	1	0	3
Carlton	45	25	23	27	37	48	42	40	35	49	13	19
Cass	212	133	123	122	134	225	205	186	149	209	80	77
Chisago	0	1	0	3	2	6	5	6	2	18	7	4
Clay	0	0	0	0	0	0	0	0	0	1	0	3
Clearwater	31	18	13	15	45	45	52	41	35	54	19	37
Cook	24	26	19	19	33	27	28	24	40	35	29	10
Crow Wing	65	75	53	71	82	106	106	113	79	140	81	116
Douglas	0	0	0	1	0	0	3	3	3	6	2	5
Hubbard	66	38	34	34	64	59	62	32	20	51	20	38
Isanti	0	0	0	0	0	0	0	2	3	5	1	5
Itasca	477	441	248	288	298	354	319	323	320	405	195	195
Kanabec	7	3	11	4	4	19	21	13	15	26	11	26
Kittson	7	3	3	3	7	3	11	2	7	2	5	8
Koochiching	386	369	150	159	156	178	171	179	209	221	105	115
Lake	123	84	46	62	54	72	74	87	85	87	49	54
LOW	59	99	83	71	48	115	78	33	63	74	17	42
Mahnomen	0	0	3	0	12	16	14	13	9	27	25	6
Marshall	21	7	10	27	19	18	21	25	18	26	19	26
Mille Lacs	0	3	0	4	3	16	22	14	16	20	15	17
Morrison	0	0	2	0	1	6	3	7	5	23	21	14
Norman	0	0	6	0	0	1	1	11	6	4	9	12
Ottertail	0	1	0	0	1	12	40	52	60	158	110	152
Pennington	1	0	2	4	4	10	18	42	22	22	16	8
Pine	34	55	36	37	29	44	54	56	42	82	39	74
Polk	6	5	6	8	24	46	65	47	38	72	61	49
Red Lake	5	0	2	18	16	15	16	29	34	32	29	23
Roseau	134	171	111	157	180	106	141	114	110	127	84	89
St. Louis	783	880	546	369	608	734	611	740	688	898	407	283
Sherburne	0	0	0	0	0	0	2	0	0	0	0	0
Stearns	0	0	0	0	0	0	0	1	0	0	0	1
Todd	2	0	0	0	2	5	14	18	23	21	13	33
Wadena	10	5	8	0	31	39	32	31	40	44	27	37
Washington	0	0	0	0	0	0	0	0	0	0	1	0
Unknown	12	28	2	1	1	0	2	9	18	14	8	3
Total	2,761	2,695	1,726	1,674	2,117	2,660	2,521	2,552	2,388	3,251	1,682	1,712

Table 9. Fisher harvest by date and sex, 2008-09 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 29	5	5		10	0.58	0.58
Nov. 30	76	79		155	9.05	9.64
Dec. 1	159	125		284	16.59	26.23
Dec. 2	104	119	2	225	13.14	39.37
Dec. 3	120	112		232	13.55	52.92
Dec. 4	96	100		196	11.45	64.37
Dec. 5	90	103	1	194	11.33	75.70
Dec. 6	109	102	1	212	12.38	88.08
Dec. 7	95	77		172	10.05	98.13
Unknown	18	14		32	1.87	100%
Total	872	836	4	1,712	100%	

Table 10. Distribution of fisher harvest* among trappers, 1993-2008.

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

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



Figure 4. Marten harvest by county, 2008-09.

Table 11. Marten harvest by county and sex, 2008-09 season.

County	Sex			Total
	Male	Female	Unknown	
Aitkin	7	5		12
Beltrami	2	4		6
Carlton	2	2		4
Cass	1	0		1
Clearwater	0	0		0
Cook	102	49		151
Crow Wing	0	0		0
Itasca	37	33	2	72
Kanabec	0	0		0
Koochiching	186	114		300
Lake	242	196		438
Lake of the Woods	10	7		17
Mahnomen	0	0		0
Marshall	0	0		0
Pennington	0	0		0
Pine	0	0		0
Red Lake	0	0		0
Roseau	34	12		46
St. Louis	462	307		769
Unknown	3	4		7
Total	1,088	733	2	1,823

Table 12. Comparison of marten harvest by county in Minnesota, 1997-2008.

County	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Aitkin	0	1	2	2	3	5	6	6	6	13	4	12
Beltrami	12	12	37	2	24	30	38	65	17	19	8	6
Carlton	0	3	6	5	11	4	11	1	10	6	1	4
Cass	0	1	2	3	1	3	2	3	1	4	0	1
Clearwater	0	0	0	0	0	0	1	1	0	0	0	0
Cook	195	208	240	190	164	228	411	318	369	446	269	151
Crow Wing	0	0	3	0	0	0	0	0	0	0	0	0
Itasca	164	155	114	82	102	147	141	136	98	155	74	72
Kanabec	0	0	0	0	0	0	0	0	0	2	0	0
Koochiching	597	517	492	306	327	525	534	549	418	592	348	300
Lake	287	284	284	323	243	492	541	551	536	892	520	438
LOW	12	26	58	15	13	104	71	122	54	46	31	17
Mahnomen	0	0	0	0	0	0	0	2	0	0	0	0
Marshall	0	0	1	1	1	1	1	5	3	0	1	0
Pennington	0	0	0	2	0	0	0	0	0	0	1	0
Pine	0	0	0	0	0	0	1	2	1	1	1	0
Red Lake	0	0	0	3	0	0	0	0	0	0	0	0
Roseau	0	41	51	98	48	116	104	127	51	31	69	46
St. Louis	980	1,020	1,131	596	991	1,184	1,352	1,346	1,065	1,579	885	769
Unknown	14	31	2	1	0	0	0	7	24	2	9	7
Total	2,261	2,299	2,423	1,629	1,928	2,839	3,214	3,241	2,653	3,788	2,221	1,823

Table 13. Marten harvest by date and sex, 2008-09 season.

Date	Sex			Total	% of Known Total	Cumulative %
	Male	Female	Unknown			
Nov. 29	8	4		12	0.66	0.66
Nov. 30	149	91		240	13.17	13.82
Dec. 1	173	105		278	15.25	29.07
Dec. 2	188	110	1	299	16.40	45.47
Dec. 3	161	113		274	15.03	60.50
Dec. 4	121	89		210	11.52	72.02
Dec. 5	108	80	1	189	10.37	82.39
Dec. 6	95	79		174	9.54	91.94
Dec. 7	67	43		110	6.03	97.97
Unknown	18	19		37	2.03	100%
Total	1,088	733	2	1,823	100%	

Table 14. Distribution of marten harvest* among trappers, 1993-2008.

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

* 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, 2008-09. (Combined limit = 5)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		80	71	51	47	120
	1	225	32	38	25	62	
	2	120	17	10	35		
	3	60	11	20			
	4	52	13				
	5	79					
						Total takers of at least 1 fisher or marten	1168

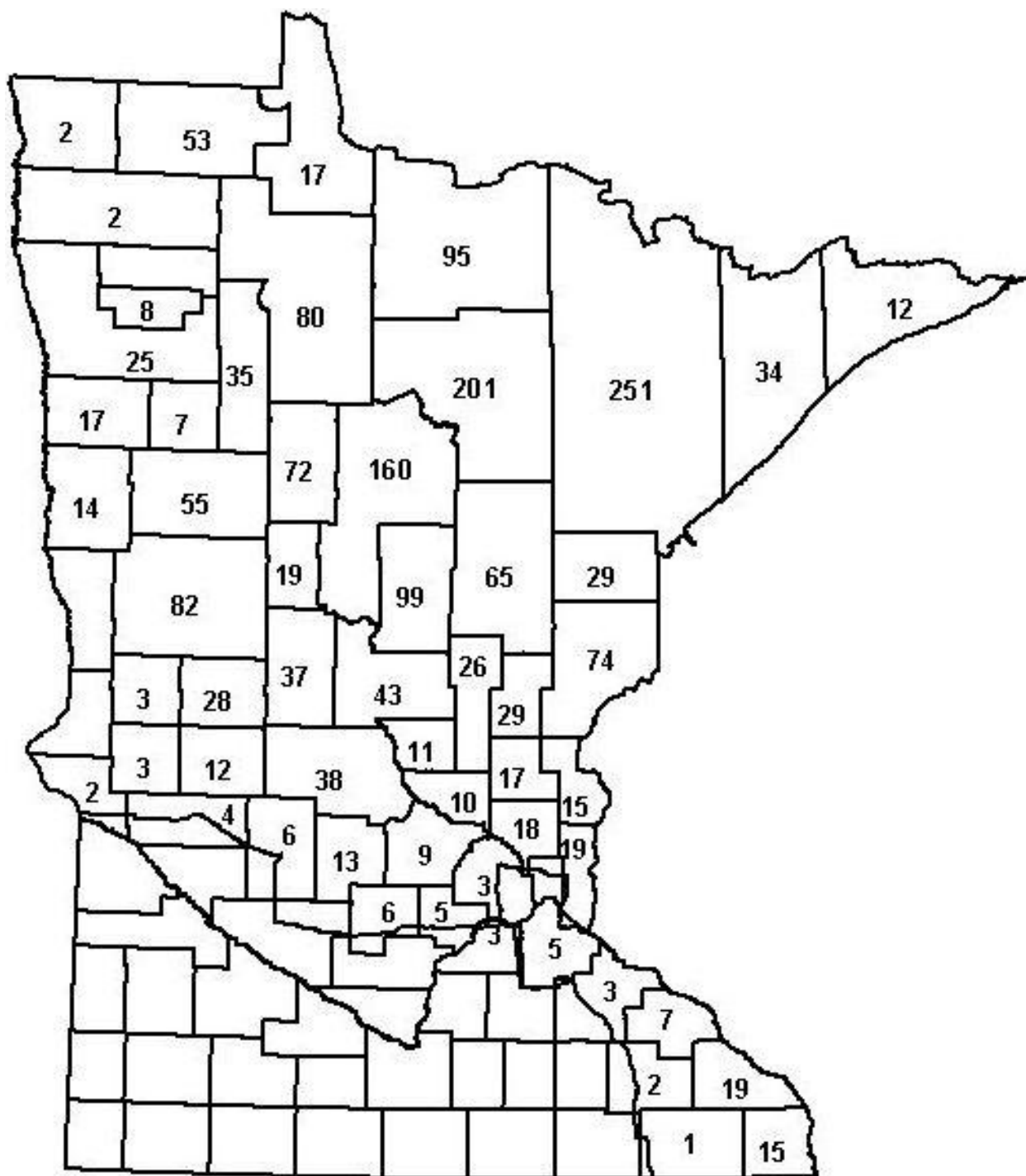


Figure 5. Otter harvest by county, 2008-09.

Table 16. Otter harvest by county and sex, 2007-08 season.

County	Sex			Total
	Male	Female	Unknown	
Aitkin	37	28		65
Anoka	14	4		18
Becker	32	23		55
Beltrami	35	45		80
Benton	4	7		11
Big Stone	0	2		2
Carlton	21	8		29
Carver	3	2		5
Cass	83	77		160
Chisago	9	6		15
Clay	8	6		14
Clearwater	19	16		35
Cook	5	7		12
Crow Wing	57	42		99
Dakota	2	3		5
Douglas	18	10		28
Fillmore	1	0		1
Goodhue	1	2		3
Grant	0	3		3
Hennepin	2	1		3
Houston	12	3		15
Hubbard	48	24		72
Isanti	8	9		17
Itasca	115	86		201
Kanabec	17	12		29
Kandiyohi	3	3		6
Kittson	1	1		2
Koochiching	63	32		95
Lake	14	20		34
Lake of the Woods	9	8		17
McLeod	1	5		6
Mahnomen	5	2		7
Marshall	1	1		2
Meeker	8	5		13
Mille Lacs	16	10		26
Morrison	26	17		43
Norman	9	8		17
Olmsted	0	2		2
Ottertail	45	36	1	82
Pennington	0	0		0
Pine	57	17		74
Polk	16	9		25
Pope	4	8		12
Red Lake	5	3		8
Roseau	30	23		53
St. Louis	157	94		251
Scott	2	1		3
Sherburne	7	3		10
Stearns	22	16		38
Stevens	2	1		3
Swift	2	2		4
Todd	23	14		37
Traverse	0	0		0
Wabasha	5	2		7
Wadena	12	7		19
Washington	12	7		19
Wilkin	0	0		0
Winona	11	8		19
Wright	8	1		9
Unknown	11	7		18
Total	1,138	799	1	1,938

Table 17. Comparison of otter harvest by county, 1997-2008.

County	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Aitkin	95	87	103	82	100	78	87	113	132	124	53	65
Anoka	21	23	25	14	17	17	13	32	22	16	26	18
Becker	85	30	64	45	125	104	105	178	107	117	54	55
Beltrami	133	81	103	74	108	127	173	216	170	154	105	80
Benton	4	6	2	7	10	6	7	19	14	16	9	11
Big Stone	0	0	0	0	0	0	0	0	0	0	0	2
Carlton	43	39	45	29	33	40	38	53	36	39	36	29
Carver	0	0	0	0	0	0	0	0	0	0	2	5
Cass	189	149	109	107	197	189	198	255	231	236	124	160
Chisago	20	20	13	12	26	18	22	20	28	33	16	15
Clay	7	0	7	3	1	7	7	15	18	35	8	14
Clearwater	25	18	29	25	47	61	52	62	48	41	39	35
Cook	29	48	30	26	26	31	41	56	46	39	13	12
Crow Wing	84	81	77	76	96	108	119	141	102	111	63	99
Dakota	0	0	0	0	0	0	0	0	0	0	0	5
Douglas	7	7	1	1	1	0	12	27	16	30	18	28
Fillmore	0	0	0	0	0	0	0	0	0	0	6	1
Goodhue	0	0	0	0	0	0	0	0	0	0	3	3
Grant	0	0	0	0	0	0	0	0	0	0	3	3
Hennepin	0	0	0	0	0	0	0	0	0	0	1	3
Houston	0	0	0	0	0	0	0	0	0	0	9	15
Hubbard	95	28	23	19	61	64	70	91	80	72	59	72
Isanti	29	26	20	28	33	33	27	35	38	30	30	17
Itasca	371	339	220	296	337	310	382	483	362	334	205	201
Kanabec	43	24	29	32	56	40	38	57	79	62	44	29
Kandiyohi	0	0	0	0	0	0	0	0	0	0	2	6
Kittson	2	1	0	0	1	2	3	3	3	5	11	2
Koochiching	109	126	63	107	118	96	164	167	131	118	70	95
Lake	57	77	44	70	57	57	81	88	65	60	35	34
LOW	24	32	36	18	17	21	42	31	34	24	30	17
McLeod	0	0	0	0	0	0	0	0	0	0	6	6
Mahnomen	6	9	10	10	17	7	23	24	29	26	24	7
Marshall	14	5	8	16	13	35	34	29	18	7	6	2
Meeker	0	0	0	0	0	0	0	0	0	0	13	13
Mille Lacs	18	17	15	12	20	22	33	48	51	21	33	26
Morrison	25	18	30	17	45	36	46	64	77	60	45	43
Norman	1	0	2	4	3	4	1	16	17	11	9	17
Olmsted	0	0	0	0	0	0	0	0	0	0	0	2
Ottertail	41	29	20	14	51	32	45	113	85	81	50	82
Pennington	6	2	10	2	6	12	16	18	33	15	9	0
Pine	73	62	21	35	42	61	78	99	51	111	50	74

Table 17 (continued). Comparison of otter harvest by county, 1997-2008.

County	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09
Polk	35	23	21	34	60	63	72	104	45	47	32	25
Pope	0	0	0	0	0	0	0	0	0	0	11	12
Red Lake	9	7	8	22	18	27	35	58	26	30	19	8
Roseau	41	40	37	40	36	27	72	69	60	53	32	53
St. Louis	332	421	353	255	453	316	483	508	428	344	290	251
Scott	0	0	0	0	0	0	0	0	0	0	3	3
Sherburne	15	13	14	10	11	11	24	25	15	29	26	10
Stearns	15	11	7	5	5	17	13	22	21	33	9	38
Stevens	0	0	0	0	0	0	0	0	0	0	1	3
Swift	0	0	0	0	0	0	0	0	0	0	9	4
Todd	22	23	16	22	24	30	49	53	63	81	35	37
Traverse	0	0	0	0	0	0	0	0	0	0	1	0
Wabasha	0	0	0	0	0	0	0	0	0	0	15	7
Wadena	8	6	13	3	23	23	35	34	38	32	15	19
Washington	4	6	4	4	4	12	10	8	11	16	18	19
Wilkin	0	0	0	0	0	0	0	0	0	0	2	0
Winona	0	0	0	0	0	0	0	0	0	0	11	19
Wright	0	0	0	0	0	1	2	3	2	5	7	9
Unknown	8	12	3	2	3	0	14	13	14	22	6	18
Totals	2,145	1,946	1,635	1,578	2,301	2,145	2,766	3,450	2,846	2,720	1,861	1,938

Table 18. Otter harvest by sex and week, 2008-09 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.25 - Oct.31	124	75		199	10.27	10.27
Nov.1 - Nov.7	285	218		503	25.95	36.22
Nov.8 - Nov.14	172	114		286	14.76	50.98
Nov.15 - Nov.21	146	99		245	12.64	63.62
Nov.22 - Nov.28	99	66		165	8.51	72.14
Nov.29 - Dec.5	151	98		249	12.85	84.98
Dec.6 - Dec.12	53	59		112	5.78	90.76
Dec.13 - Dec.19	41	22		63	3.25	94.01
Dec.20 - Dec.26	28	19		47	2.43	96.44
Dec.27 - Jan.4*	19	18		37	1.91	98.35
Unknown	20	11	1	32	1.65	100%
Total	1,138	799	1	1,938	100%	

* 9-day interval.

Table 19. Distribution of otter harvest[†] among trappers, 1993-2008.

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	319 (39)	164 (20)	120 (15)	209 (26)	812	2.3
2008-09	314 (38)	168 (20)	121 (15)	218 (27)	821	2.3

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