

REGISTERED FURBEARER HARVEST STATISTICS

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## **REGISTERED FURBEARER HARVEST STATISTICS 2014-15 REPORT**

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### **INTRODUCTION**

Monitoring harvest is an important component of population management for some 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 population density, harvest pressure, habitat sensitivity of the species, and reproductive potential.

In Minnesota, detailed harvest information is collected on 4 carnivores – fishers, martens, bobcats, and river otters. These species have lower reproductive potential, naturally occur at low to moderate densities, have comparatively restricted distributions, or may be more subject to effects of habitat change. Hence, detailed harvest information is desirable to help ensure sustainable populations. For the past 36 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 usually 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, while otter harvest is allowed statewide (Figure 1). There were no changes to season structures this year compared to the 2013 season. All harvest summaries are provided in the following tables and graphs. Data for years prior to those presented in this report is available (back to 1977) by contacting the Minnesota DNR.

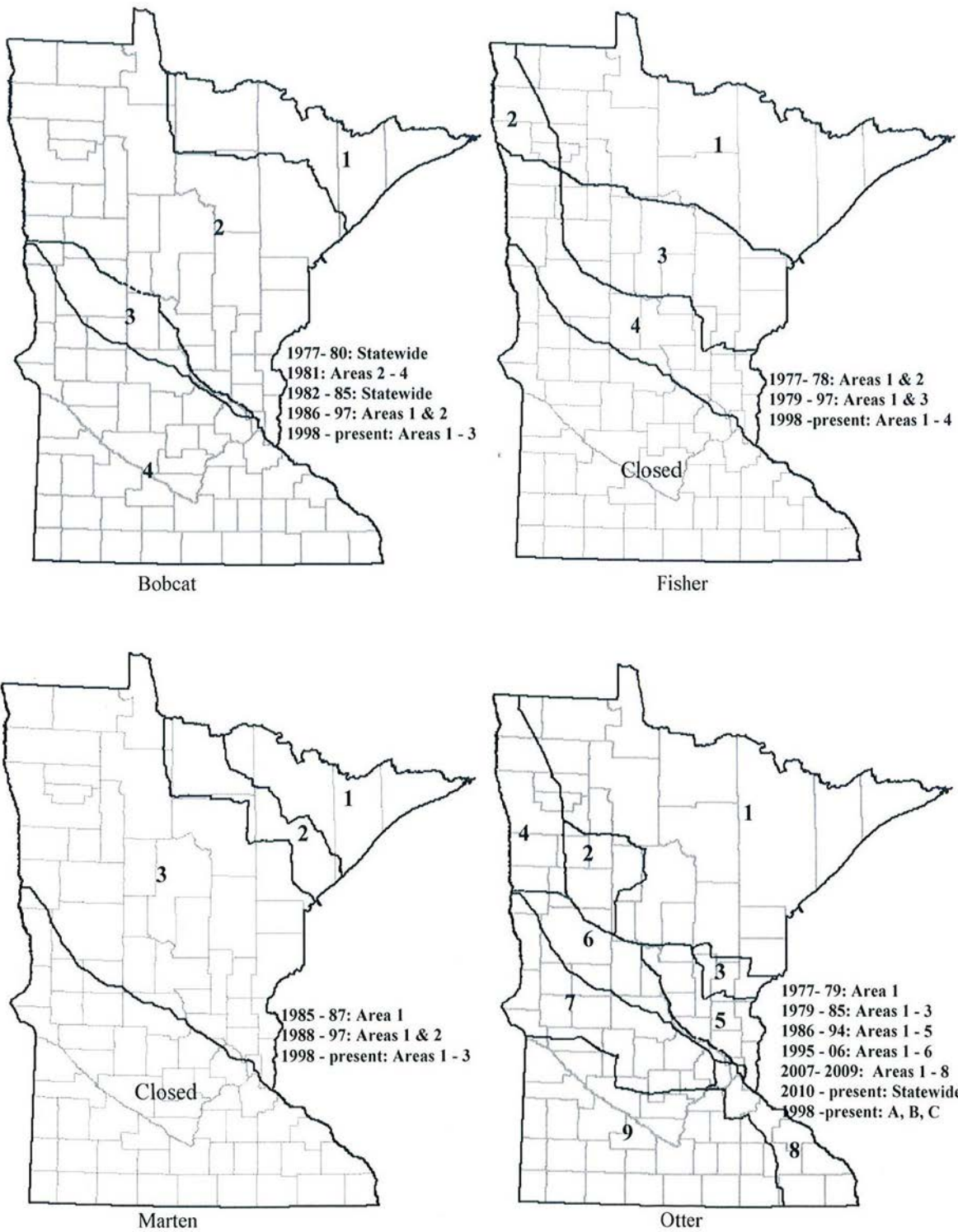


Figure 1. Open trapping areas for fisher, marten, bobcat, and otter, 1977 - present.

Table 1. Registered furbearer seasons and harvests, 1986-2014.

Year	Bobcat				Fisher				Marten				Otter			
	Season	Days	Limit <sub>t</sub>	Harvest	Season	Days	Limit <sub>a</sub>	Harvest	Season	Days	Limit <sup>a</sup>	Harvest	Season <sup>b</sup>	Days	Limit <sub>c</sub>	Harvest
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	11/27-12/5	9	2	903	11/27-12/5	9	5	1842	10/23-1/9	78	4	1814
2011-12	11/26-1/8	44	5	1711	11/26-12/4	9	2	1473	11/26-12/4	9	5	2525	10/22-1/8	78	4	2294
2012-13	11/24-1/6	44	5	1875	11/24-11/29	6	2	1293	11/24-11/29	6	5	1472	10/27-1/6	71	4	3171
2013-14	11/30-1/5	37	5	1038	11/30-12/5	6	2	1146	11/30-12/5	6	2	1014	10/26-1/5	71	4	2824
2014-15	11/29-1/4	37	5	1384	11/29-12/4	6	2	943	11/29-12/4	6	2	1059	10/25-1/4	71	4	2154

<sup>a</sup> Starting in 1997, the limit on fisher/marten became a combined limit. In years after, the combined limit for a given year is the higher of the 2 reported above (if different).

<sup>b</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>c</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).

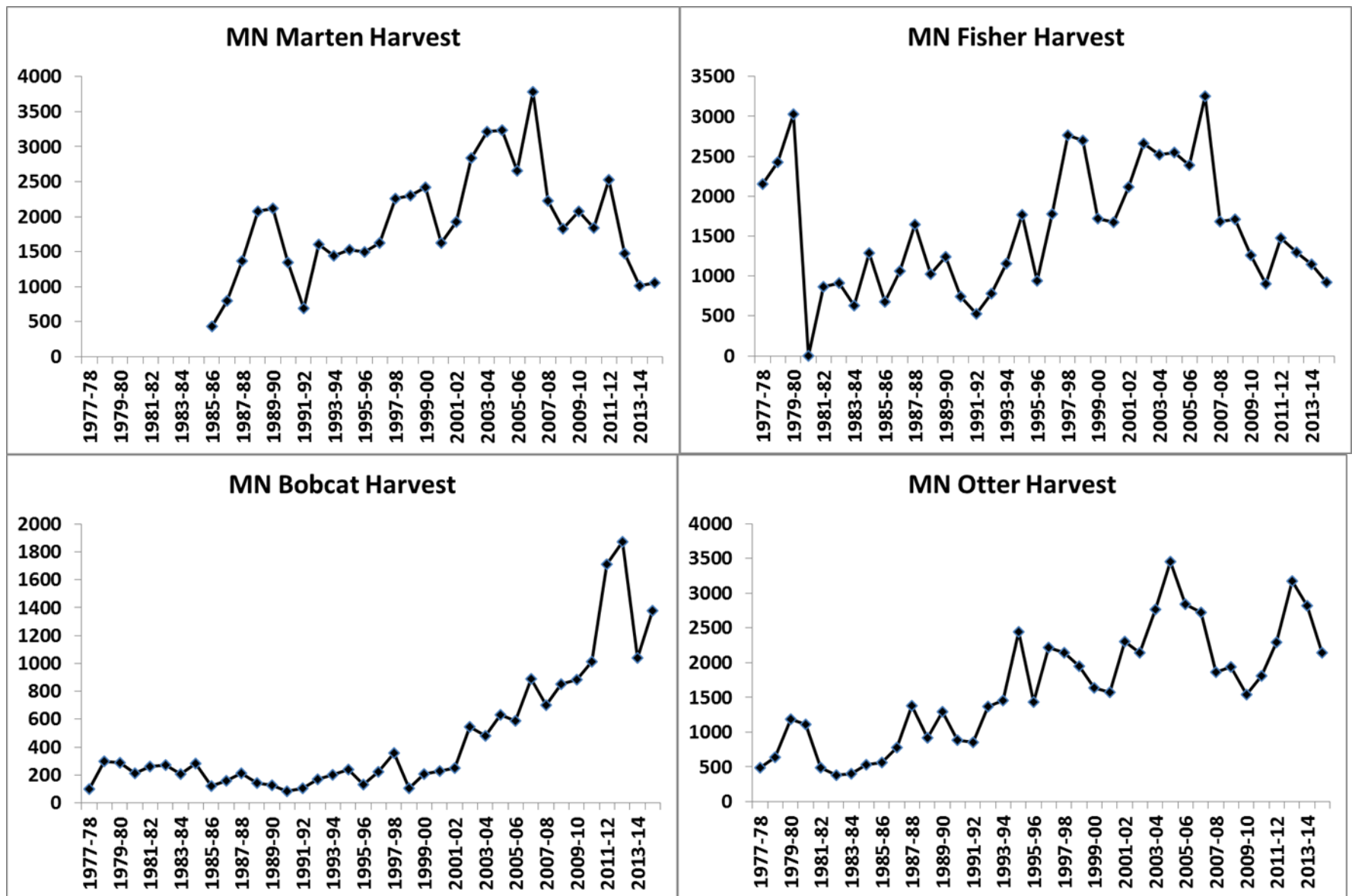


Figure 2. Harvest of registered furbearers in Minnesota, 1977-present.

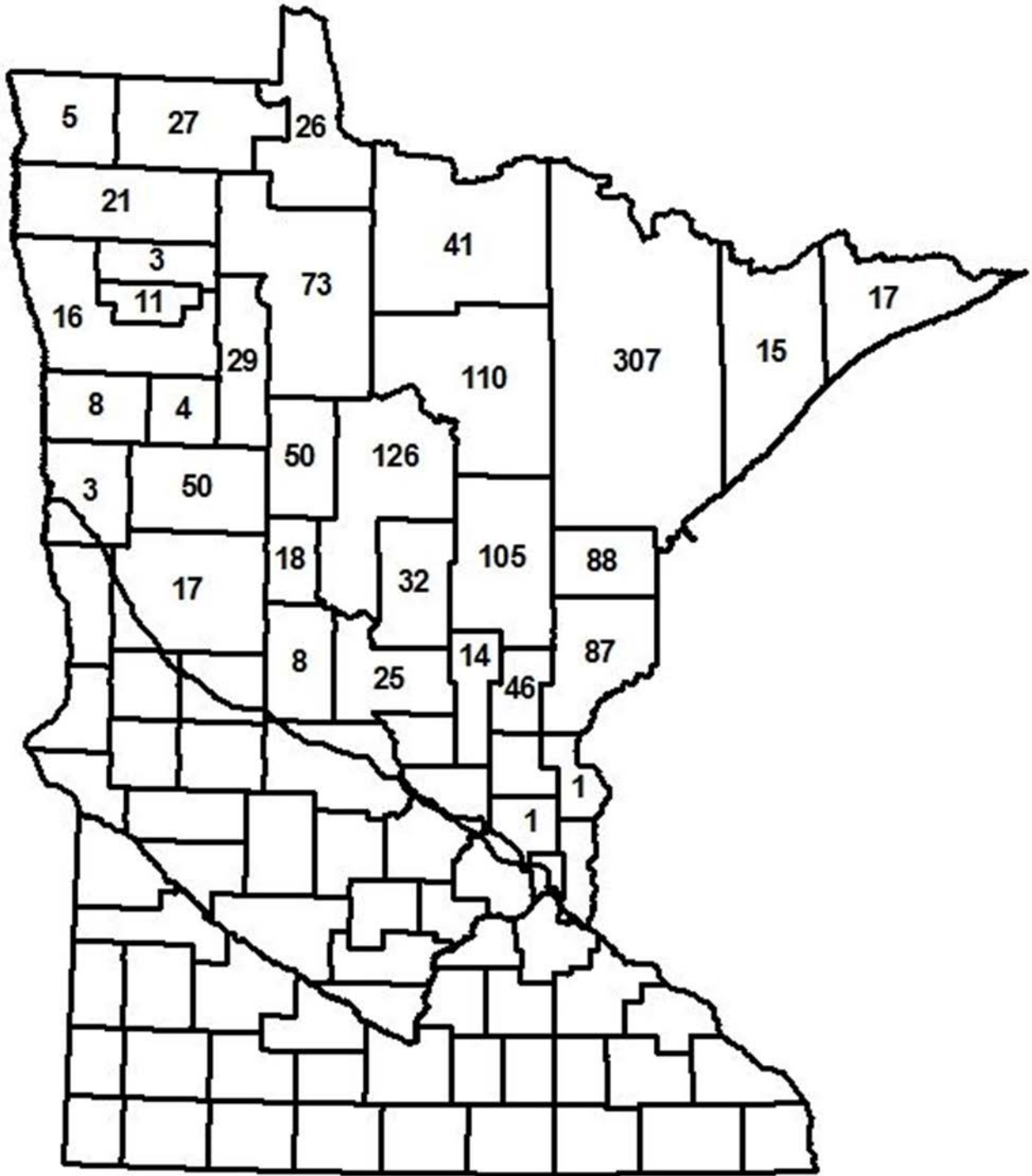


Figure 3. Bobcat harvest by county, 2014-15.

Table 2. Bobcat harvest by county and sex, 2014-15.

County	Sex*			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	43	62		105	5.27
Anoka	1	0		1	0.22
Becker	26	22		48	3.32
Beltrami	37	36		73	2.39
Benton	0	0		0	0.00
Carlton	41	47		88	10.06
Cass	60	66		126	5.22
Chisago	1	0		1	0.23
Clay	2	1		3	0.28
Clearwater	14	15		29	2.82
Cook	4	13		17	1.06
Crow Wing	15	17		32	2.77
Douglas	0	0		0	0.00
Hubbard	29	21		50	5.00
Isanti	0	0		0	0.00
Itasca	46	64		110	3.76
Kanabec	23	23		46	8.63
Kittson	2	3		5	0.45
Koochiching	21	19		40	1.27
Lake	3	12		15	0.66
Lake of the Woods	12	14		26	1.46
Mahnomen	0	4		4	0.69
Marshall	8	13		21	1.16
Mille Lacs	8	6		14	2.06
Morrison	16	8	1	25	2.17
Norman	1	7		8	0.91
Otter Tail	6	11		17	0.76
Pennington	1	2		3	0.49
Pine	39	48		87	6.07
Polk	5	11		16	0.80
Red Lake	7	4		11	2.54
Roseau	15	12		27	1.61
St. Louis	129	178		307	4.56
Sherburne	0	0		0	0.00
Stearns	0	0		0	0.00
Todd	6	2		8	0.82
Wadena	7	11		18	3.31
Unknown	1	2		3	
<b>Total</b>	<b>629</b>	<b>754</b>	<b>1</b>	<b>1384</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, 2004-2014.

County	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Aitkin	37	32	46	56	64	82	73	121	142	65	105
Anoka	0	0	0	0	0	0	0	1	0	0	1
Becker	28	19	46	24	37	25	39	70	58	36	48
Beltrami	66	34	90	33	49	70	108	139	139	59	73
Benton	0	0	0	1	5	2	0	4	3	3	0
Carlton	27	25	34	25	45	44	37	94	63	42	88
Cass	56	103	137	50	98	115	117	164	150	76	126
Chisago	0	0	0	3	0	0	1	0	3	1	1
Clay	0	0	0	0	0	1	3	1	3	2	3
Clearwater	18	18	42	25	43	27	30	58	40	19	29
Cook	2	3	0	0	1	0	1	3	3	9	17
Crow Wing	19	18	27	21	36	38	29	64	65	19	32
Douglas	0	0	0	0	0	0	0	0	1	1	0
Hubbard	35	22	69	40	49	81	59	129	105	51	50
Isanti	0	1	0	0	0	0	0	0	0	1	0
Itasca	93	68	113	86	72	106	132	186	194	93	110
Kanabec	17	11	14	16	23	11	16	21	46	16	46
Kittson	6	3	5	4	9	4	9	10	7	5	5
Koochiching	14	22	16	37	31	25	54	66	82	50	40
Lake	1	2	1	0	1	2	7	15	21	13	15
Lake of the Woods	6	3	2	9	12	16	10	28	13	20	26
Mahnomen	7	2	7	8	0	4	2	9	7	4	4
Marshall	20	16	19	32	18	15	31	42	44	15	21
Mille Lacs	11	9	8	13	11	10	10	13	23	7	14
Morrison	18	18	17	23	28	13	23	25	35	15	25
Norman	0	0	1	0	0	1	0	3	6	3	8
Otter Tail	5	1	7	9	7	7	14	21	38	18	17
Pennington	6	3	2	11	9	6	5	4	13	7	3
Pine	59	47	59	87	101	49	50	94	135	54	87
Polk	4	1	3	0	4	9	9	17	20	10	16
Red Lake	0	6	1	0	0	7	16	20	25	6	11
Roseau	27	28	36	32	18	19	26	46	60	38	27
St. Louis	37	44	45	39	58	56	81	202	283	255	307
Sherburne	0	0	0	0	0	1	0	3	0	0	0
Stearns	0	0	0	1	0	0	0	0	0	2	0
Todd	5	7	12	6	14	10	9	14	16	5	8
Wadena	3	17	16	9	7	21	9	17	23	18	18
Unknown	4	7	15	2	3	7	2	7	9	0	3
Total	631	590	890	702	853	884	1012	1711	1875	1038	1384

Table 4. Bobcat harvest by sex and week, 2014-15 season.

Date	Sex*			Total	% of	Cumulative
	Male	Female	Unknown		Total	%
Nov.29 - Dec.5	147	184		331	23.92	23.92
Dec.6 - Dec.12	121	150		271	19.58	43.50
Dec.13 - Dec.19	114	121		235	16.98	60.48
Dec.20 - Dec.26	120	158		278	20.09	80.56
Dec.27 - Jan.4**	108	118		226	16.33	96.89
Unknown	19	23	1	43	3.11	100.00
Total	629	754	1	1384	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, 1989-2014.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
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
2011-12	351 (47)	126 (17)	86 (12)	62 (8)	118 (16)	743
2012-13	380 (45)	167 (20)	108 (13)	82 (10)	100 (12)	837
2013-14	350 (60)	112 (19)	51 (9)	44 (8)	26 (4)	583
2014-15	383 (54)	131 (19)	84 (12)	49 (7)	58 (8)	705

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

Table 6. Bobcat harvest by method of take, 1987-2014.

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>
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
2011-12	1708	1606	94	670	2.4	47	102	6	74	1.4	60
2012-13	1875	1681	90	721	2.3	46	194	10	130	1.5	52
2013-14	1038	879	85	490	1.8	40	159	15	107	1.5	55
2013-14	1384	1260	91	622	2.0	44	124	9	86	1.4	56

<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

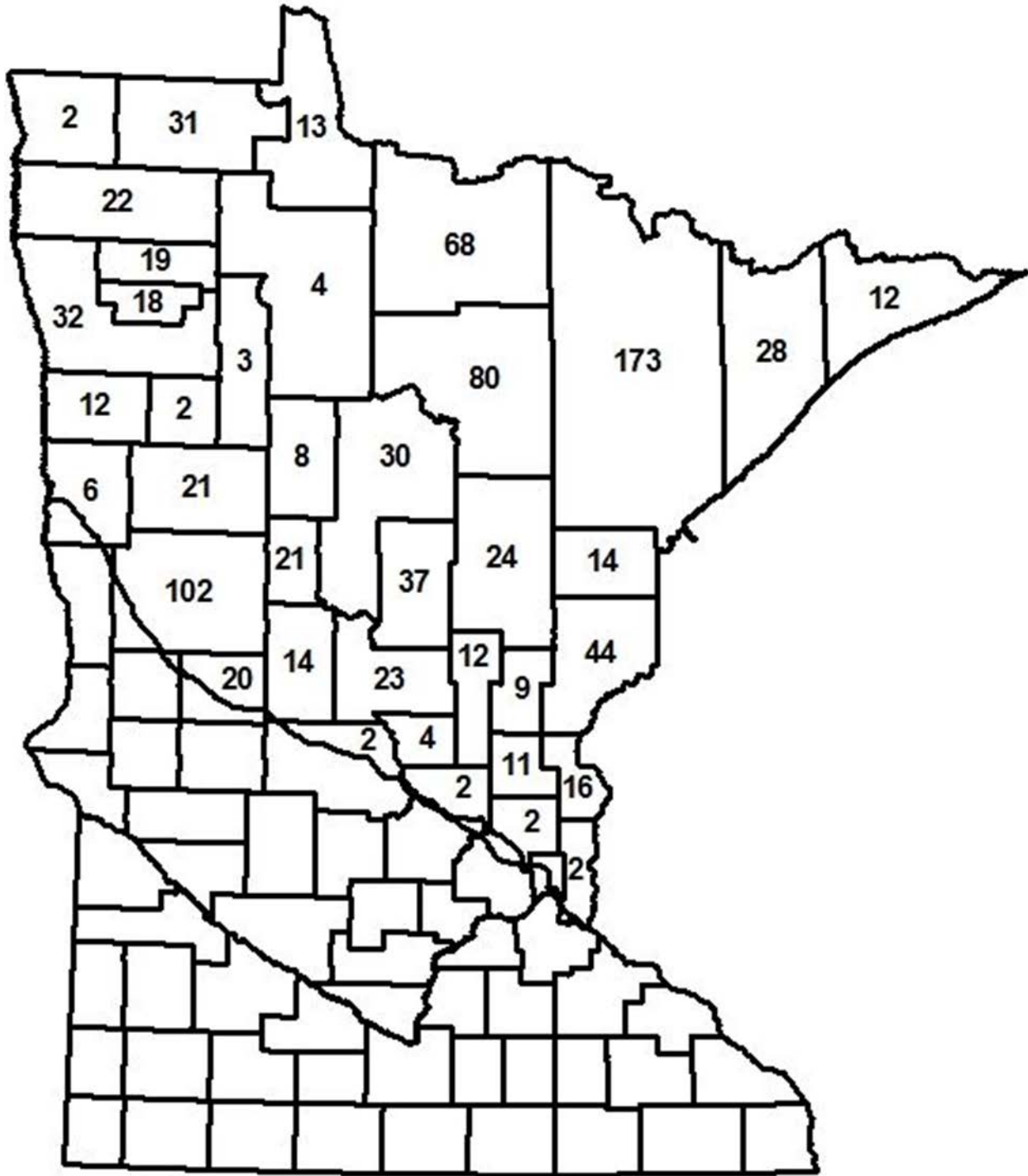


Figure 4. Fisher harvest by county, 2014.

Table 7. Fisher harvest by county and sex, 2014 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	14	9	1	24	1.20
Anoka	0	2		2	0.45
Becker	12	9		21	1.45
Beltrami	2	2		4	0.13
Benton	2	2		4	0.97
Carlton	8	6		14	1.60
Cass	12	18		30	1.24
Chisago	6	10		16	3.62
Clay	5	1		6	0.57
Clearwater	1	2		3	0.29
Cook	6	5		11	0.69
Crow Wing	20	14		34	2.94
Douglas	11	9		20	2.78
Grant	0	0		0	0.00
Hubbard	4	4		8	0.80
Isanti	5	6		11	2.44
Itasca	32	46		78	2.67
Kanabec	3	6		9	1.69
Kittson	2	0		2	0.18
Koochiching	37	30		67	2.12
Lake	14	14		28	1.22
Lake of the Woods	7	5		12	0.67
Mahnomen	1	1		2	0.34
Marshall	10	12		22	1.21
Mille Lacs	3	9		12	1.76
Morrison	14	8	1	23	2.00
Norman	5	7		12	1.37
Otter Tail	56	46		102	4.58
Pennington	11	8		19	3.07
Pine	30	14		44	3.07
Polk	15	17		32	1.60
Red Lake	15	3		18	4.16
Roseau	15	17		32	1.91
St. Louis	86	85		171	2.54
Sherburne	0	2		2	0.44
Stearns	2	0		2	0.14
Todd	6	9		15	1.53
Wadena	13	6	2	21	3.87
Washington	1	1		2	0.47
Wilkin	0	0		0	0.00
Unknown	5	3		8	
Total	491	448	4	943	

Table 8. Comparison of fisher harvest by county, 2003-2014.

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Aitkin	124	96	97	156	67	75	50	35	55	52	47	24
Anoka	1	0	0	0	0	2	0	0	1	2	1	2
Becker	88	92	49	87	57	36	44	30	32	45	38	21
Beltrami	74	71	47	54	40	15	22	10	25	21	17	4
Benton	1	0	1	1	0	3	2	0	5	5	2	4
Carlton	42	40	35	49	13	19	15	12	12	14	8	14
Cass	205	186	149	209	80	77	57	43	41	37	23	30
Chisago	5	6	2	18	7	4	10	6	10	3	4	16
Clay	0	0	0	1	0	3	0	6	10	6	5	6
Clearwater	52	41	35	54	19	37	13	6	8	5	12	3
Cook	28	24	40	35	29	10	11	17	28	11	13	11
Crow Wing	106	113	79	140	81	116	42	48	64	55	51	34
Douglas	3	3	3	6	2	5	2	6	15	24	8	20
Grant	0	0	0	0	0	0	0	1	0	0	0	0
Hubbard	62	32	20	51	20	38	18	13	10	11	10	8
Isanti	0	2	3	5	1	5	9	1	4	6	11	11
Itasca	319	323	320	405	195	195	166	88	142	105	116	78
Kanabec	21	13	15	26	11	26	20	13	21	27	30	9
Kittson	11	2	7	2	5	8	5	7	5	9	11	2
Koochiching	171	179	209	221	105	115	96	51	116	80	51	67
Lake	74	87	85	87	49	54	49	45	56	53	35	28
Lake of the Woods	78	33	63	74	17	42	21	9	33	21	13	12
Mahnomen	14	13	9	27	25	6	3	0	3	0	4	2
Marshall	21	25	18	26	19	26	6	7	13	14	17	22
Mille Lacs	22	14	16	20	15	17	18	18	17	20	17	12
Morrison	3	7	5	23	21	14	10	8	10	24	25	23
Norman	1	11	6	4	9	12	7	4	10	19	21	12
Otter Tail	40	52	60	158	110	152	67	100	138	121	117	102
Pennington	18	42	22	22	16	8	2	4	8	8	11	19
Pine	54	56	42	82	39	74	30	26	22	42	46	44
Polk	65	47	38	72	61	49	31	25	54	58	45	32
Red Lake	16	29	34	32	29	23	23	10	17	16	24	18
Roseau	141	114	110	127	84	89	58	20	79	61	42	32
St. Louis	611	740	688	898	407	283	296	186	350	233	220	171
Sherburne	2	0	0	0	0	0	3	1	6	2	2	2
Stearns	0	1	0	0	0	1	1	0	4	1	4	2
Todd	14	18	23	21	13	33	22	18	15	29	22	15
Wadena	32	31	40	44	27	37	23	23	31	25	23	21
Washington	0	0	0	0	1	0	0	0	1	1	0	2
Wilkin	0	0	0	0	0	0	0	0	1	0	0	0
Unknown	2	9	18	14	8	3	7	6	1	27	0	8
Total	2,521	2,552	2,388	3,251	1,682	1,712	1,259	903	1,473	1,293	1,146	943

Table 9. Fisher harvest by date and sex, 2014 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 29	6	4		10	1.06	1.06
Nov. 30	101	82	2	185	19.62	20.68
Dec. 1	108	112	1	221	23.44	44.11
Dec. 2	98	97	1	196	20.78	64.90
Dec. 3	88	68		156	16.54	81.44
Dec. 4	76	69		145	15.38	96.82
Unknown	14	16		30	3.18	100%
Total	491	448	4	943	100%	



Table 10. Distribution of fisher harvest\* among trappers, 1993-2014.

Number (%) of Takers	Number Taken					Total Takers	Ave. Take
	1	2	3	4	5		
1993	239 (34)	460 (66)	---	---	---	699	1.7
1994	321 (31)	725 (69)	---	---	---	1046	1.7
1995	232 (40)	355 (60)	---	---	---	587	1.6
1996	321 (31)	726 (69)	---	---	---	1047	1.7
1997	351 (23)	1205 (77)	---	---	---	1556	1.8
1998	443 (28)	1141 (72)	---	---	---	1584	1.7
1999	397 (37)	664 (63)	---	---	---	1061	1.6
2000	301(38)	251 (31)	129 (16)	121 (15)	---	802	2.1
2001	294 (33)	271 (31)	146 (17)	168 (19)	---	879	2.2
2002	336 (35)	234 (25)	138 (15)	117 (12)	123 (13)	948	1.8
2003	403 (39)	249 (24)	150 (15)	107 (11)	115 (11)	1024	1.7
2004	390 (37)	260 (25)	184 (17)	95 (9)	132 (12)	1061	1.7
2005	407 (40)	251 (24)	150 (15)	102 (10)	118 (11)	1028	1.7
2006	510 (37)	328 (24)	208 (15)	150 (11)	171 (13)	1367	1.7
2007	416 (50)	193 (23)	104 (12)	68 (8)	57 (7)	838	1.7
2008	382 (48)	182 (23)	91 (11)	65 (8)	79 (10)	799	1.6
2009	372 (55)	156 (23)	69 (10)	42 (6)	38 (6)	677	1.6
2010	330 (54)	279 (46)	---	---	---	609	1.5
2011	553 (55)	451 (45)	---	---	---	1004	1.4
2012	453 (52)	415 (48)	---	---	---	868	1.5
2013	501 (61)	316 (39)	---	---	---	817	1.4
2014	434 (63)	254 (37)	---	---	---	688	1.4

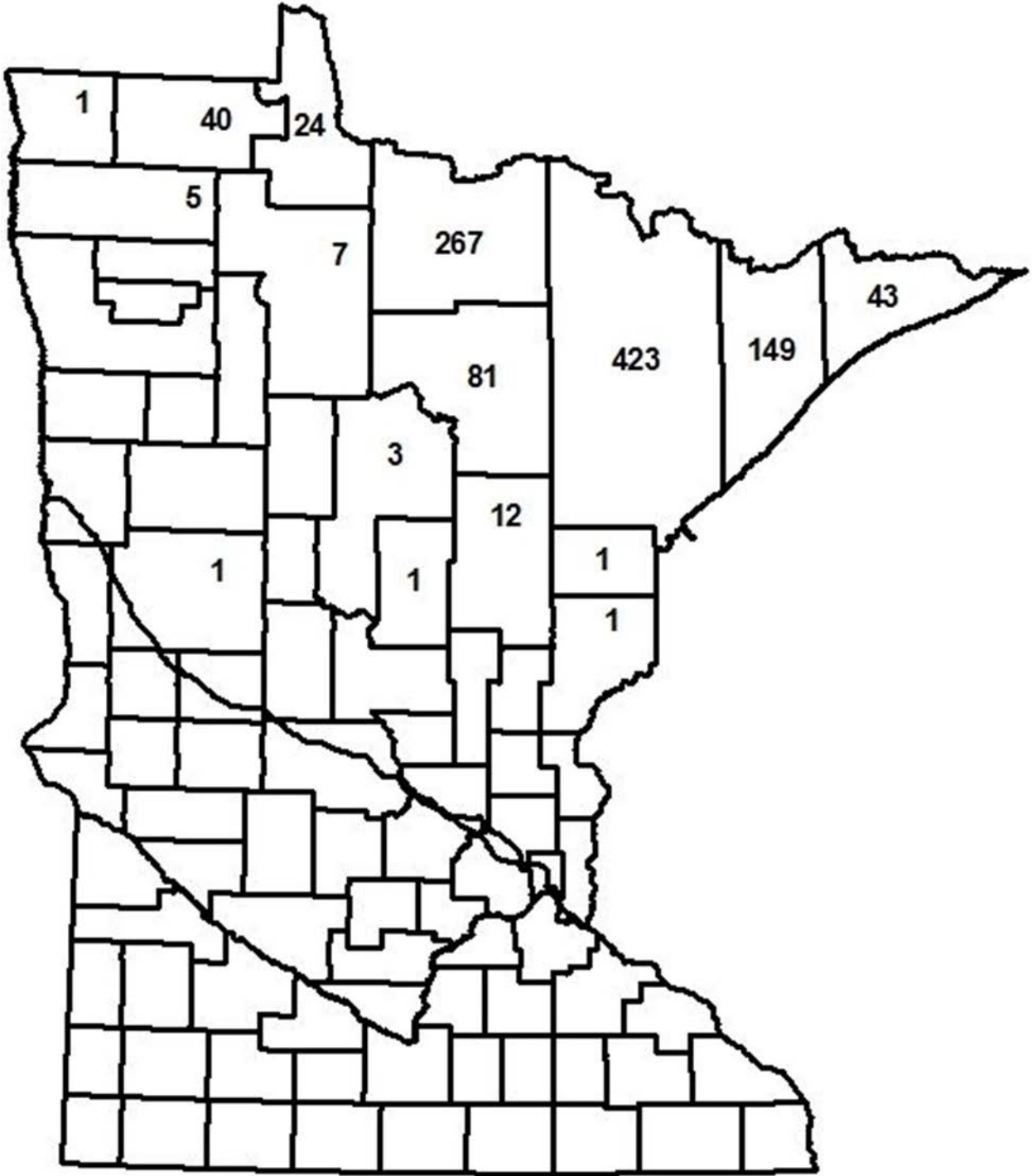


Figure 5. Marten harvest by county, 2014.

Table 11. Marten harvest by county and sex, 2014 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	11	0	1	12	0.60
Beltrami	6	1		7	0.23
Carlton	1	0		1	0.11
Cass	1	2		3	0.12
Clearwater	0	0		0	0.00
Cook	28	15		43	2.68
Crow Wing	0	1		1	0.09
Itasca	46	33		79	2.70
Kanabec	0	0		0	0.00
Kittson	1	0		1	0.09
Koochiching	176	87	2	265	8.40
Lake	98	50	1	149	6.51
Lake of the Woods	15	7	1	23	1.29
Mahnomen	0	0		0	0.00
Marshall	2	3		5	0.28
Otter Tail	0	1		1	0.04
Pennington	0	0		0	0.00
Pine	0	1		1	0.07
Red Lake	0	0		0	0.00
Roseau	23	17		40	2.38
St. Louis	277	144		421	6.25
Unknown	6	1		7	
<b>Total</b>	<b>691</b>	<b>363</b>	<b>5</b>	<b>1,059</b>	

Table 12. Comparison of marten harvest by county in Minnesota, 2003-2014.

County	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Aitkin	6	6	6	13	4	12	5	4	13	10	8	12
Beltrami	38	65	17	19	8	6	10	2	11	20	15	7
Carlton	11	1	10	6	1	4	8	5	6	3	1	1
Cass	2	3	1	4	0	1	2	1	2	0	0	3
Clearwater	1	1	0	0	0	0	0	0	0	0	0	0
Cook	411	318	369	446	269	151	244	191	205	148	78	43
Crow Wing	0	0	0	0	0	0	1	0	1	0	0	1
Itasca	141	136	98	155	74	72	91	73	118	46	62	79
Kanabec	0	0	0	2	0	0	0	0	0	0	0	0
Kittson	0	0	0	0	0	0	0	1	0	4	0	1
Koochiching	534	549	418	592	348	300	354	336	516	276	218	265
Lake	541	551	536	892	520	438	496	491	577	290	185	149
Lake of the Woods	71	122	54	46	31	17	17	13	49	32	18	23
Mahnomen	0	2	0	0	0	0	0	0	0	0	0	0
Marshall	1	5	3	0	1	0	4	0	3	3	5	5
Otter Tail	0	0	0	0	0	0	0	0	0	0	0	1
Pennington	0	0	0	0	1	0	0	0	0	0	0	0
Pine	1	2	1	1	1	0	0	1	0	0	0	1
Red Lake	0	0	0	0	0	0	0	0	0	1	1	0
Roseau	104	127	51	31	69	46	32	13	98	77	37	40
St. Louis	1,352	1,346	1,065	1,579	885	769	803	709	926	562	386	421
Unknown	0	7	24	2	9	7	6	2	0	0	0	7
Total	3,214	3,241	2,653	3,788	2,221	1,823	2,073	1,842	2,525	1,472	1,014	1,059

Table 13. Marten harvest by date and sex, 2014 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 29	9	2		11	1.04	1.04
Nov. 30	205	86	4	295	27.86	28.90
Dec. 1	135	79		214	20.21	49.10
Dec. 2	125	77		202	19.07	68.18
Dec. 3	96	53		149	14.07	82.25
Dec. 4	98	59	1	158	14.92	97.17
Unknown	23	7		30	2.83	100%
Total	691	363	5	1,059	100%	

Table 14. Distribution of marten harvest\* among trappers, 1993-2014.

Number (%) of Takers	Number Taken					Total Takers	Ave. Take
	1	2	3	4	5		
1993	76 (10)	681 (90)	----	----	----	757	1.9
1994	165 (20)	681 (80)	----	----	----	846	1.8
1995	78 (10)	711 (90)	----	----	----	789	1.9
1996	157 (18)	734 (82)	----	----	----	891	1.8
1997	161 (13)	1050 (87)	----	----	----	1211	1.9
1998	187 (15)	1056 (85)	----	----	----	1243	1.8
1999	164 (17)	318 (34)	213 (23)	246 (26)	----	941	2.6
2000	188 (28)	190 (28)	123 (18)	173 (26)	----	674	2.4
2001	147 (23)	175 (27)	138 (21)	187 (29)	----	647	2.6
2002	149 (21)	138 (19)	147 (21)	123 (17)	160 (22)	717	1.9
2003	126 (15)	135 (16)	159 (19)	170 (20)	265 (31)	855	1.8
2004	165 (17)	153 (16)	171 (18)	164 (18)	282 (30)	935	1.8
2005	191 (22)	158 (18)	139 (16)	156 (18)	215 (25)	859	1.8
2006	206 (18)	201 (17)	226 (19)	203 (17)	335 (29)	1171	1.8
2007	176 (23)	160 (21)	147 (19)	141 (18)	142 (19)	766	2.0
2008	153 (24)	139 (22)	108 (17)	110 (17)	122 (19)	632	1.9
2009	121 (19)	105 (16)	106 (17)	134 (21)	173 (27)	639	1.9
2010	95 (17)	77 (14)	120 (22)	92 (17)	170 (31)	554	1.8
2011	154 (19)	131 (16)	179 (22)	166 (20)	181 (22)	811	2.0
2012	198 (33)	134 (22)	131 (22)	73 (12)	64 (11)	600	1.9
2013	341 (51)	332 (49)	----	----	----	673	1.5
2014	307 (45)	376 (55)	----	----	----	683	1.6

Table 15. Number of trappers with different fisher/marten combinations, 2014. (Combined limit = 2)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		162	374			
	1	288	147				
	2	254					
	3						
	4						
	5						
						Total takers of at least 1 fisher or marten	1,225

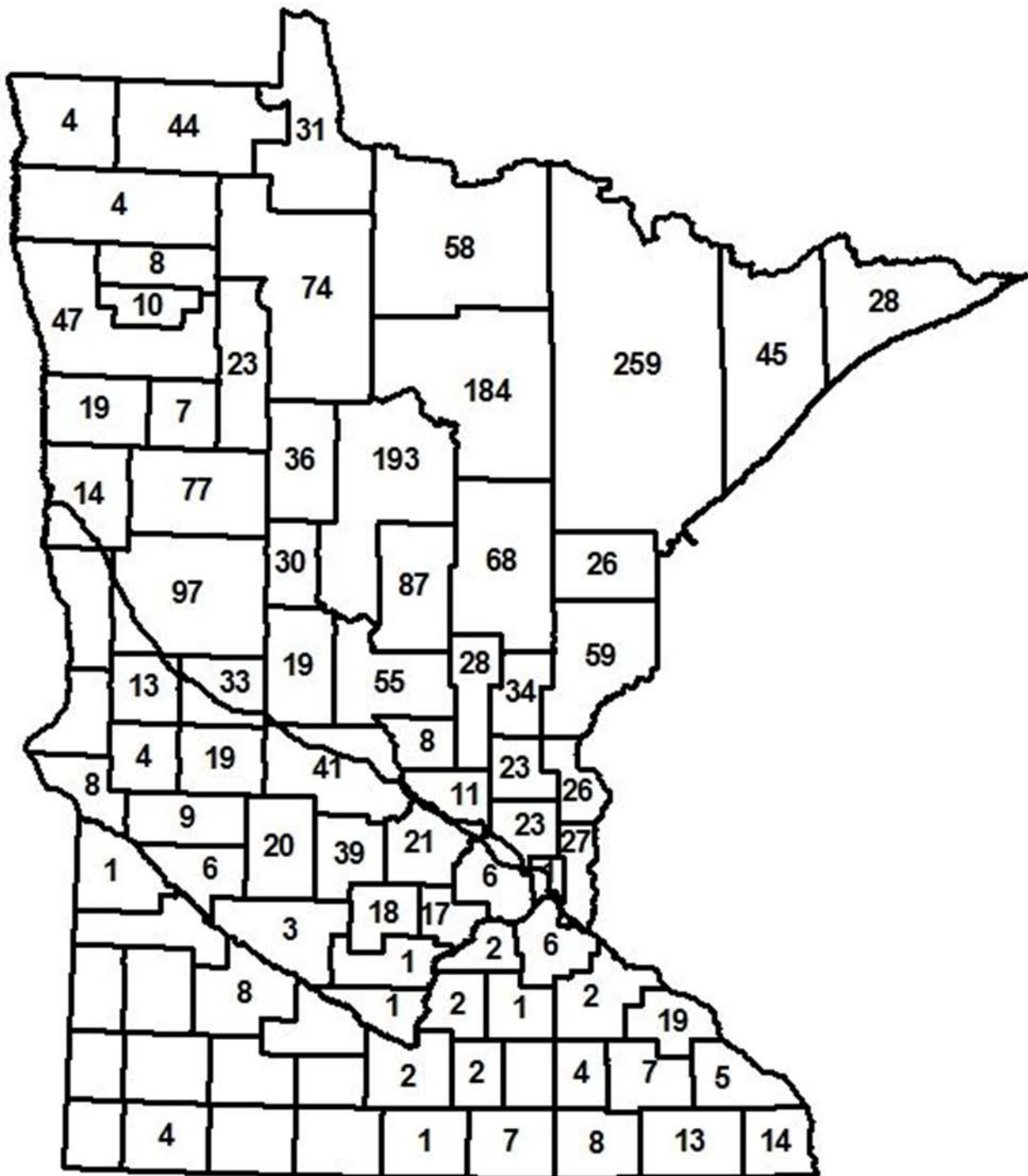


Figure 6. Otter harvest by county, 2014-15.

Table 16. Otter harvest by county and sex, 2014-15 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	46	21		67	3.36
Anoka	12	11		23	5.16
Becker	39	38		77	5.33
Beltrami	43	31		74	2.42
Benton	6	2		8	1.94
Big Stone	7	1		8	1.51
Blue Earth	2	0		2	0.26
Carlton	18	8		26	2.97
Carver	12	5		17	4.52
Cass	96	96	1	193	8.00
Chippewa	4	2		6	1.02
Chisago	13	13		26	5.88
Clay	8	6		14	1.33
Clearwater	14	9		23	2.23
Cook	20	8		28	1.74
Crow Wing	53	30		83	7.18
Dakota	4	2		6	1.02
Dodge	3	1		4	0.91
Douglas	22	11		33	4.58
Faribault	1	0		1	0.14
Fillmore	6	7		13	1.51
Freeborn	4	3		7	0.97
Goodhue	1	1		2	0.26
Grant	9	4		13	2.26
Hennepin	3	3		6	0.99
Houston	9	5		14	2.46
Hubbard	21	15		36	3.60
Isanti	15	8		23	5.10
Itasca	108	76		184	6.29
Kanabec	12	20	2	34	6.38
Kandiyohi	10	10		20	2.32
Kittson	2	2		4	0.36
Koochiching	32	22	1	55	1.74
Lac Qui Parle	1	0		1	0.13
Lake	29	16		45	1.97
Lake of the Woods	24	7		31	1.74
Le Sueur	1	1		2	0.42
Lincoln	0	0		0	0.00
McLeod	13	5		18	3.56
Mahnomen	6	1		7	1.20
Marshall	3	1		4	0.22
Martin	0	0		0	0.00
Meeker	11	20	4	35	5.43
Mille Lacs	14	14		28	4.11
Morrison	29	21		50	4.34
Mower	5	3		8	1.13
Nicollet	1	0		1	0.21
Nobles	1	3		4	0.55
Norman	12	7		19	2.17
Olmsted	3	4		7	1.07
Otter Tail	54	42	1	97	4.36
Pennington	6	2		8	1.29
Pine	38	21		59	4.12
Polk	25	22		47	2.35
Pope	11	8		19	2.65
Ramsey	0	1		1	0.59



Table 16 (continued). Otter harvest by county and sex, 2013-14 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Red Lake	4	6		10	2.31
Redwood	6	2		8	0.91
Renville	1	1	1	3	0.30
Rice	1	0		1	0.19
Rock	0	0		0	0.00
Roseau	22	22		44	2.62
St. Louis	151	107		258	3.83
Scott	1	1		2	0.54
Sherburne	6	4		10	2.22
Sibley	2	0		2	0.33
Stearns	22	19		41	2.95
Steele	0	0		0	0.00
Stevens	0	4		4	0.69
Swift	5	4		9	1.20
Todd	8	11		19	1.94
Traverse	0	0		0	0.00
Wabasha	12	6	1	19	3.46
Wadena	21	9		30	5.52
Waseca	2	0		2	0.46
Washington	19	8		27	6.38
Watonwan	0	0		0	0.00
Wilkin	0	0		0	0.00
Winona	3	2		5	0.78
Wright	13	8		21	2.94
Yellow Medicine	0	0		0	0.00
Unknown	10	8		18	
Total	1,251	892	11	2,154	

Table 17. Comparison of otter harvest by county, 2003-2014.

County	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Aitkin	87	113	132	124	53	65	54	59	107	111	90	67
Anoka	13	32	22	16	26	18	26	8	13	31	25	23
Becker	105	178	107	117	54	55	39	53	95	127	87	77
Beltrami	173	216	170	154	105	80	74	77	112	120	98	74
Benton	7	19	14	16	9	11	3	13	13	21	17	8
Big Stone	0	0	0	0	0	2	1	0	3	3	9	8
Blue Earth	0	0	0	0	0	0	0	0	2	3	1	2
Carlton	38	53	36	39	36	29	30	35	29	38	37	26
Carver	0	0	0	0	2	5	6	5	15	8	9	17
Cass	198	255	231	236	124	160	90	135	140	183	161	193
Chippewa	0	0	0	0	0	0	0	5	7	8	12	6
Chisago	22	20	28	33	16	15	18	23	19	24	32	26
Clay	7	15	18	35	8	14	7	23	42	23	16	14
Clearwater	52	62	48	41	39	35	19	38	41	46	47	23
Cook	41	56	46	39	13	12	16	19	36	55	57	28
Crow Wing	119	141	102	111	63	99	76	66	107	117	96	83
Dakota	0	0	0	0	0	5	7	1	0	11	10	6
Dodge	0	0	0	0	0	0	0	3	1	1	3	4
Douglas	12	27	16	30	18	28	11	14	34	37	23	33
Faribault	0	0	0	0	0	0	0	0	1	12	3	1
Fillmore	0	0	0	0	6	1	1	5	5	10	6	13
Freeborn	0	0	0	0	0	0	0	5	10	10	1	7
Goodhue	0	0	0	0	3	3	7	11	7	18	2	2
Grant	0	0	0	0	3	3	6	1	8	12	6	13
Hennepin	0	0	0	0	1	3	6	2	3	4	5	6
Houston	0	0	0	0	9	15	11	11	10	26	22	14
Hubbard	70	91	80	72	59	72	41	52	42	67	61	36
Isanti	27	35	38	30	30	17	18	14	9	18	28	23
Itasca	382	483	362	334	205	201	191	247	281	346	345	184
Kanabec	38	57	79	62	44	29	23	17	22	52	45	34
Kandiyohi	0	0	0	0	2	6	6	8	8	10	20	20
Kittson	3	3	3	5	11	2	3	8	2	9	7	4
Koochiching	164	167	131	118	70	95	61	81	62	127	115	55
Lac Qui Parle	0	0	0	0	0	0	0	2	6	15	6	1
Lake	81	88	65	60	35	34	45	28	36	66	67	45
Lake of the Woods	42	31	34	24	30	17	8	15	27	27	27	31
Le Sueur	0	0	0	0	0	0	0	3	0	9	5	2
Lincoln	0	0	0	0	0	0	0	0	0	4	0	0
McLeod	0	0	0	0	6	6	8	12	18	19	22	18
Mahnomen	23	24	29	26	24	7	7	9	20	15	25	7
Marshall	34	29	18	7	6	2	0	13	13	15	15	4
Martin	0	0	0	0	0	0	0	0	0	1	0	0
Meeker	0	0	0	0	13	13	16	12	28	19	32	35
Mille Lacs	33	48	51	21	33	26	28	19	15	30	39	28
Morrison	46	64	77	60	45	43	31	29	29	52	52	50

Table 17 (continued). Comparison of otter harvest by county, 2002-2013.

County	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
Mower	0	0	0	0	0	0	0	8	20	14	9	8
Nicollet	0	0	0	0	0	0	0	2	1	5	7	1
Nobles	0	0	0	0	0	0	0	0	0	0	0	4
Norman	1	16	17	11	9	17	11	12	21	45	27	19
Olmsted	0	0	0	0	0	2	3	2	3	0	7	7
Otter Tail	45	113	85	81	50	82	32	65	109	173	154	97
Pennington	16	18	33	15	9	0	1	4	2	12	5	8
Pine	78	99	51	111	50	74	37	38	44	66	98	59
Polk	72	104	45	47	32	25	19	36	49	83	71	47
Pope	0	0	0	0	11	12	12	11	20	22	14	19
Ramsey	0	0	0	0	0	0	0	0	0	3	1	1
Red Lake	35	58	26	30	19	8	20	22	19	26	11	10
Redwood	0	0	0	0	0	0	0	0	2	4	6	8
Renville	0	0	0	0	0	0	0	0	1	6	0	3
Rice	0	0	0	0	0	0	0	1	9	4	8	1
Rock	0	0	0	0	0	0	0	0	0	2	0	0
Roseau	72	69	60	53	32	53	23	32	33	64	48	44
St. Louis	483	508	428	344	290	251	233	253	239	363	293	258
Scott	0	0	0	0	3	3	1	4	2	4	3	2
Sherburne	24	25	15	29	26	10	17	7	19	12	9	10
Sibley	0	0	0	0	0	0	0	6	6	6	3	2
Stearns	13	22	21	33	9	38	24	13	41	53	53	41
Steele	0	0	0	0	0	0	0	1	0	3	1	0
Stevens	0	0	0	0	1	3	1	6	1	3	12	4
Swift	0	0	0	0	9	4	5	2	11	10	10	9
Todd	49	53	63	81	35	37	32	41	63	55	55	19
Traverse	0	0	0	0	1	0	2	0	1	4	1	0
Wabasha	0	0	0	0	15	7	18	7	8	20	21	19
Wadena	35	34	38	32	15	19	15	16	20	43	30	30
Waseca	0	0	0	0	0	0	0	0	0	0	0	2
Washington	10	8	11	16	18	19	11	16	18	12	24	27
Watonwan	0	0	0	0	0	0	0	0	0	0	1	0
Wilkin	0	0	0	0	2	0	0	0	0	3	2	0
Winona	0	0	0	0	11	19	13	15	20	21	17	5
Wright	2	3	2	5	7	9	8	11	17	23	26	21
Yellow Medicine	0	0	0	0	0	0	0	0	0	7	9	0
Unknown	14	13	14	22	6	18	12	2	17	40	2	18
Totals	2,766	3,450	2,846	2,720	1,861	1,938	1,544	1,814	2,294	3,171	2,824	2,154

Table 18. Otter harvest by sex and week, 2014-15 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.25 - Oct.31	120	81		201	9.33	9.33
Nov.1 - Nov.7	359	274	3	636	29.53	38.86
Nov.8 - Nov.14	170	112	3	285	13.23	52.09
Nov.15 - Nov.21	91	63	3	157	7.29	59.38
Nov.22 - Nov.28	95	52	1	148	6.87	66.25
Nov.29 - Dec.5	106	81	1	188	8.73	74.98
Dec.6 - Dec.12	77	58		135	6.27	81.24
Dec.13 - Dec.19	78	64		142	6.59	87.84
Dec.20 - Dec.26	77	53		130	6.04	93.87
Dec.27 - Jan.4*	63	44		107	4.97	98.84
Unknown	15	10		25	1.16	100.00
<b>Total</b>	<b>1,251</b>	<b>892</b>	<b>11</b>	<b>2,154</b>	<b>100%</b>	

\* 9-day interval.

Table 19. Distribution of otter harvest\* among trappers, 1993-2014.

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
2011-12	438 (42)	227 (22)	149 (14)	236 (22)	1050	2.2
2012-13	468 (35)	330 (24)	175 (13)	376 (28)	1349	2.3
2013-14	561 (43)	291 (22)	196 (15)	271 (21)	1319	2.1
2014-15	424 (42)	231 (23)	154 (15)	200 (20)	1009	2.1

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

