

REGISTERED FURBEARER HARVEST STATISTICS

Forest Wildlife Populations and Research Group

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REGISTERED FURBEARER HARVEST STATISTICS 2015-16



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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 39 years detailed harvest data has been collected for these species.

METHODS

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

RESULTS

Currently, harvest of fishers, martens, and bobcats 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 2014 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.

ACKNOWLEDGEMENTS

I thank the many individuals from the Minnesota Department of Natural Resources for their assistance with collection of data contained in this report. This project was funded in part by the Wildlife Restoration Program (Pittman-Robertson).

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

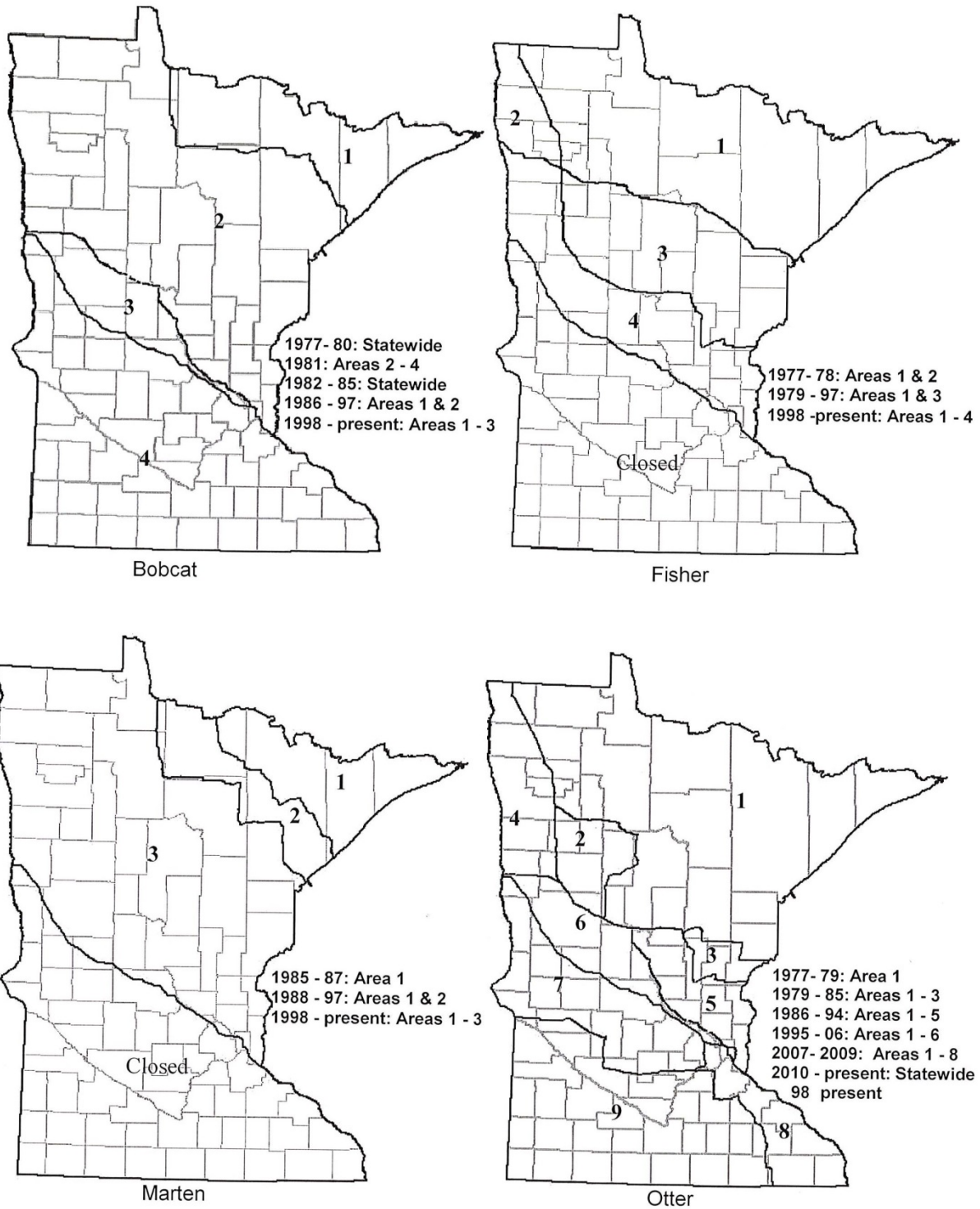


Figure 1. Open trapping areas for fisher, marten, bobcat, and otter, 1977 - present.

Table 1. Registered furbearer seasons and harvests, 1985-2015.

Bobcat					Fisher				Marten				Otter			
Year	Season	Days	Limit	Harvest	Season	Days	Limit ^a	Harvest	Season	Days	Limit ^a	Harvest	Season ^b	Days	Limit ^c	Harvest
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	11/27-12/5	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
2015-16	11/28-1/3	37	5	766	11/28-12/3	6	2	756	11/28-12/3	6	2	877	10/24-1/3	71	4	1955

^a 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).

^b 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.

^c 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).

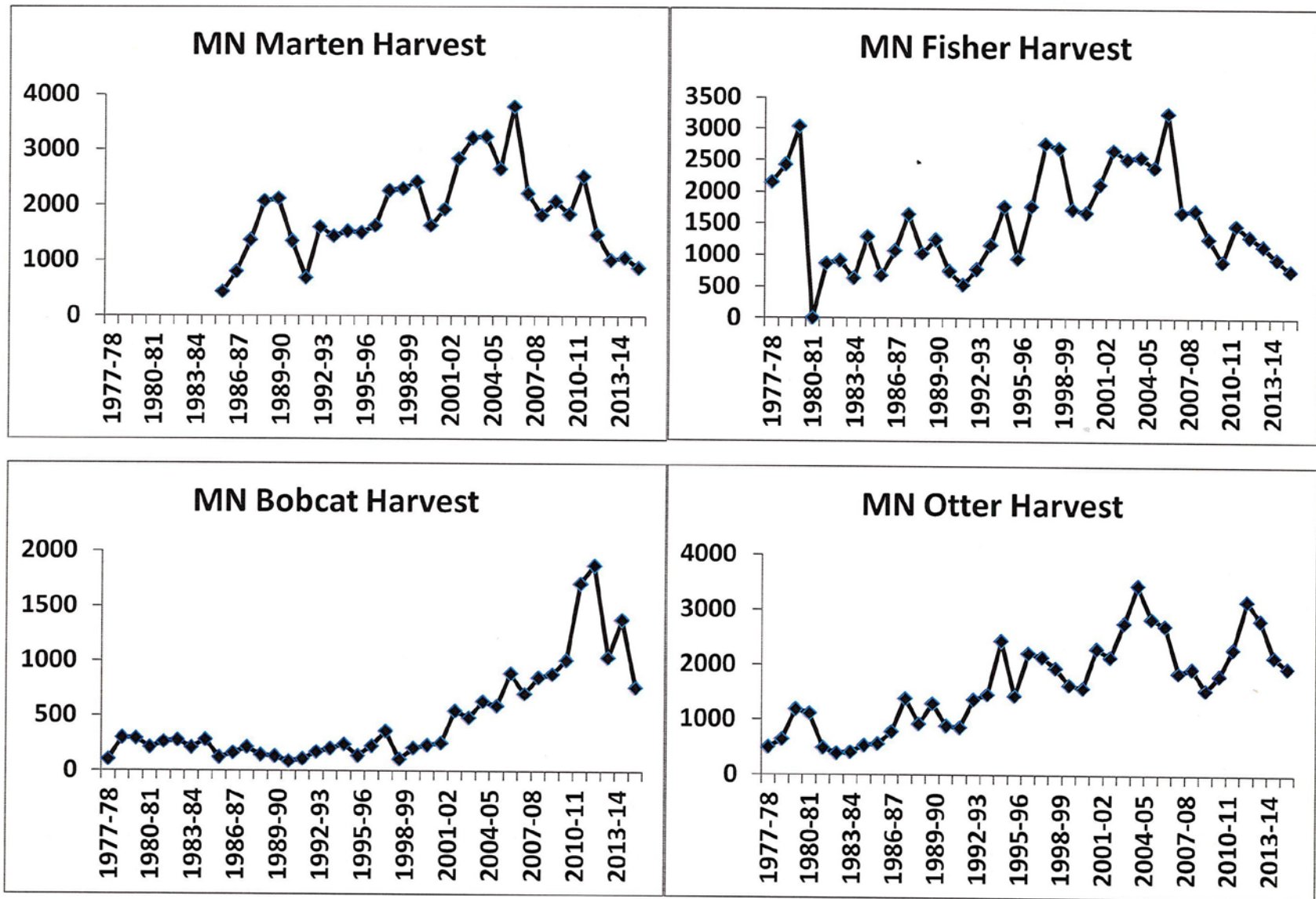


Figure 2. Harvest of registered furbearers in Minnesota, 1977-present.

Table 2. Bobcat harvest by county and sex, 2015-16.

County	Sex*			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	17	21	1	39	1.96
Anoka	0	0		0	0.00
Becker	23	13		36	2.49
Beltrami	31	18		49	1.60
Benton	0	0		0	0.00
Carlton	12	13		25	2.86
Cass	31	42		73	3.03
Chisago	3	0		3	0.68
Clay	0	1		1	0.09
Clearwater	8	7		15	1.46
Cook	0	1		1	0.06
Crow Wing	11	10		21	1.82
Douglas	0	0		0	0.00
Hubbard	28	17		45	4.50
Isanti	1	0		1	0.22
Itasca	22	28		50	1.71
Kanabec	8	4		12	2.25
Kittson	2	5		7	0.63
Koochiching	13	9		22	0.70
Lake	4	4		8	0.35
Lake of the Woods	6	4		10	0.56
Mahnomen	1	1	1	3	0.51
Marshall	8	9	2	19	1.05
Mille Lacs	2	3		5	0.73
Morrison	8	7	1	16	1.39
Norman	4	0		4	0.46
Otter Tail	8	8		16	0.72
Pennington	3	1		4	0.65
Pine	29	26	1	56	3.91
Polk	8	7		15	0.75
Red Lake	2	1		3	0.69
Roseau	11	9		20	1.19
Sherburne	0	0		0	0.00
St. Louis	72	84		156	2.32
Stearns	1	0		1	0.07
Todd	4	4		8	0.82
Wadena	6	4		10	1.84
Unknown	5	7		12	
Total	392	368	6	766	

* 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, 2005-2015.

County	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Aitkin	32	46	56	64	82	73	121	142	65	105	39
Anoka	0	0	0	0	0	0	1	0	0	1	0
Becker	19	46	24	37	25	39	70	58	36	48	36
Beltrami	34	90	33	49	70	108	139	139	59	73	49
Benton	0	0	1	5	2	0	4	3	3	0	0
Carlton	25	34	25	45	44	37	94	63	42	88	25
Cass	103	137	50	98	115	117	164	150	76	126	73
Chisago	0	0	3	0	0	1	0	3	1	1	3
Clay	0	0	0	0	1	3	1	3	2	3	1
Clearwater	18	42	25	43	27	30	58	40	19	29	15
Cook	3	0	0	1	0	1	3	3	9	17	1
Crow Wing	18	27	21	36	38	29	64	65	19	32	21
Douglas	0	0	0	0	0	0	0	1	1	0	0
Hubbard	22	69	40	49	81	59	129	105	51	50	45
Isanti	1	0	0	0	0	0	0	0	1	0	1
Itasca	68	113	86	72	106	132	186	194	93	110	50
Kanabec	11	14	16	23	11	16	21	46	16	46	12
Kittson	3	5	4	9	4	9	10	7	5	5	7
Koochiching	22	16	37	31	25	54	66	82	50	40	22
Lake	2	1	0	1	2	7	15	21	13	15	8
Lake of the	3	2	9	12	16	10	28	13	20	26	10
Mahnomen	2	7	8	0	4	2	9	7	4	4	3
Marshall	16	19	32	18	15	31	42	44	15	21	19
Mille Lacs	9	8	13	11	10	10	13	23	7	14	5
Morrison	18	17	23	28	13	23	25	35	15	25	16
Norman	0	1	0	0	1	0	3	6	3	8	4
Otter Tail	1	7	9	7	7	14	21	38	18	17	16
Pennington	3	2	11	9	6	5	4	13	7	3	4
Pine	47	59	87	101	49	50	94	135	54	87	56
Polk	1	3	0	4	9	9	17	20	10	16	15
Red Lake	6	1	0	0	7	16	20	25	6	11	3
Roseau	28	36	32	18	19	26	46	60	38	27	20
Sherburne	0	0	0	0	1	0	3	0	0	0	0
St. Louis	44	45	39	58	56	81	202	283	255	307	156
Stearns	0	0	1	0	0	0	0	0	2	0	1
Todd	7	12	6	14	10	9	14	16	5	8	8
Wadena	17	16	9	7	21	9	17	23	18	18	10
Unknown	7	15	2	3	7	2	7	9	0	3	12
Total	590	890	702	853	884	1012	1711	1875	1038	1384	766

Table 4. Bobcat harvest by sex and week, 2015-16 season.

Date	Sex*			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.28 - Dec.4	89	61	1	151	19.71	19.71
Dec.5 - Dec.11	73	76	1	150	19.58	39.30
Dec.12 - Dec.18	68	62	2	132	17.23	56.53
Dec.19 - Dec.25	77	78	1	156	20.37	76.89
Dec.26 - Jan.3**	78	87	1	166	21.67	98.56
Unknown	7	4		11	1.44	100.00
Total	392	368	6	766	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, 1990-2015.

Number (%)of Takers	Number taken					Total Takers
	1	2	3	4	5	
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
2015-16	248 (59)	87 (21)	33 (8)	29 (7)	25 (6)	422

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

Table 6. Bobcat harvest by method of take, 1988-2015.

Year	Total	Trapping					Hunting				
	Harvest ^a	Harvest	% of Total	# Takers	Ave. Take	% Males ^b	Harvest	% of Total	# Takers	Ave. Take	% Males ^b
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
2014-15	1384	1260	91	622	2.0	44	124	9	86	1.4	56
2015-16	766	657	86	355	1.9	49	109	14	68	1.6	70

^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

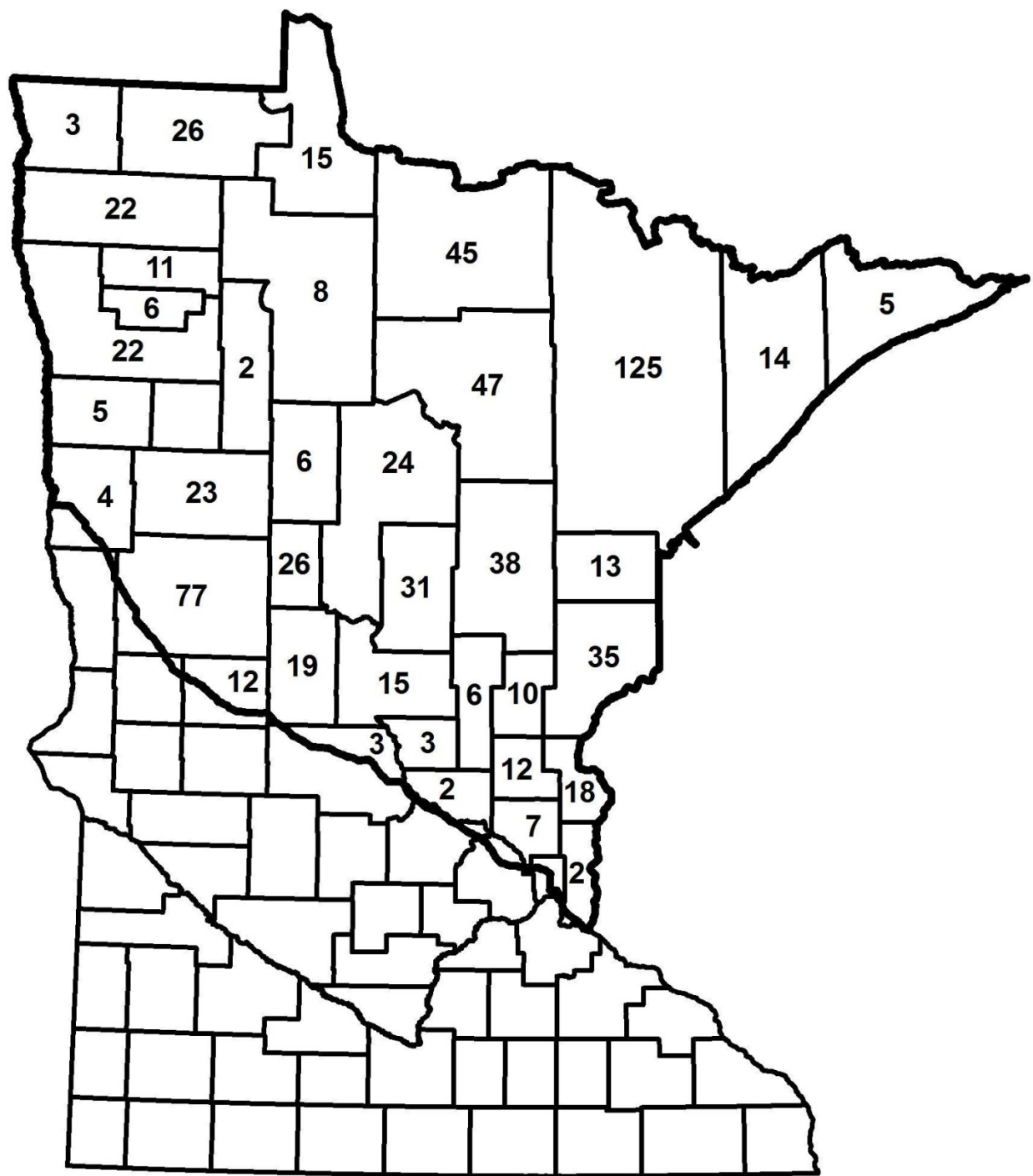


Figure 4. Fisher harvest by county, 2015.

Table 7. Fisher harvest by county and sex, 2015 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	20	18		38	1.91
Anoka	2	5		7	1.57
Becker	12	11		23	1.59
Beltrami	5	3		8	0.26
Benton	3	0		3	0.73
Carlton	5	8		13	1.49
Cass	12	12		24	0.99
Chisago	12	6		18	4.07
Clay	0	4		4	0.38
Clearwater	2	0		2	0.19
Cook	2	3		5	0.31
Crow Wing	16	15		31	2.68
Douglas	8	4		12	1.67
Grant	0	0		0	0.00
Hubbard	3	3		6	0.60
Isanti	6	6		12	2.66
Itasca	22	25		47	1.61
Kanabec	2	8		10	1.88
Kittson	3	0		3	0.27
Koochiching	24	21		45	1.43
Lake	7	5	2	14	0.61
Lake of the Woods	9	6		15	0.84
Mahnomen	0	0		0	0.00
Marshall	11	11		22	1.21
Mille Lacs	3	3		6	0.88
Morrison	9	6		15	1.30
Norman	4	1		5	0.57
Ottertail	42	35		77	3.46
Pennington	8	3		11	1.78
Pine	16	19		35	2.44
Polk	10	12		22	1.10
Red Lake	2	4		6	1.39
Roseau	10	16		26	1.55
Sherburne	0	2		2	0.44
St. Louis	63	62		125	1.86
Stearns	1	2		3	0.22
Todd	5	14		19	1.94
Wadena	16	10		26	4.79
Washington	2	0		2	0.47
Wilkin	0	0		0	0.00
Unknown	13	1		14	
Total	390	364	2	756	

Table 8. Comparison of fisher harvest by county, 2004-2015.

County	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Aitkin	96	97	156	67	75	50	35	55	52	47	24	38
Anoka	0	0	0	0	2	0	0	1	2	1	2	7
Becker	92	49	87	57	36	44	30	32	45	38	21	23
Beltrami	71	47	54	40	15	22	10	25	21	17	4	8
Benton	0	1	1	0	3	2	0	5	5	2	4	3
Carlton	40	35	49	13	19	15	12	12	14	8	14	13
Cass	186	149	209	80	77	57	43	41	37	23	30	24
Chisago	6	2	18	7	4	10	6	10	3	4	16	18
Clay	0	0	1	0	3	0	6	10	6	5	6	4
Clearwater	41	35	54	19	37	13	6	8	5	12	3	2
Cook	24	40	35	29	10	11	17	28	11	13	11	5
Crow Wing	113	79	140	81	116	42	48	64	55	51	34	31
Douglas	3	3	6	2	5	2	6	15	24	8	20	12
Grant	0	0	0	0	0	0	1	0	0	0	0	0
Hubbard	32	20	51	20	38	18	13	10	11	10	8	6
Isanti	2	3	5	1	5	9	1	4	6	11	11	12
Itasca	323	320	405	195	195	166	88	142	105	116	78	47
Kanabec	13	15	26	11	26	20	13	21	27	30	9	10
Kittson	2	7	2	5	8	5	7	5	9	11	2	3
Koochiching	179	209	221	105	115	96	51	116	80	51	67	45
Lake	87	85	87	49	54	49	45	56	53	35	28	14
Lake of the Woods	33	63	74	17	42	21	9	33	21	13	12	15
Mahnomen	13	9	27	25	6	3	0	3	0	4	2	0
Marshall	25	18	26	19	26	6	7	13	14	17	22	22
Mille Lacs	14	16	20	15	17	18	18	17	20	17	12	6
Morrison	7	5	23	21	14	10	8	10	24	25	23	15
Norman	11	6	4	9	12	7	4	10	19	21	12	5
Otter Tail	52	60	158	110	152	67	100	138	121	117	102	77
Pennington	42	22	22	16	8	2	4	8	8	11	19	11
Pine	56	42	82	39	74	30	26	22	42	46	44	35
Polk	47	38	72	61	49	31	25	54	58	45	32	22
Red Lake	29	34	32	29	23	23	10	17	16	24	18	6
Roseau	114	110	127	84	89	58	20	79	61	42	32	26
Sherburne	0	0	0	0	0	3	1	6	2	2	2	2
St. Louis	740	688	898	407	283	296	186	350	233	220	171	125
Stearns	1	0	0	0	1	1	0	4	1	4	2	3
Todd	18	23	21	13	33	22	18	15	29	22	15	19
Wadena	31	40	44	27	37	23	23	31	25	23	21	26
Washington	0	0	0	1	0	0	0	1	1	0	2	2
Wilkin	0	0	0	0	0	0	0	1	0	0	0	0
Unknown	9	18	14	8	3	7	6	1	27	0	8	14
Total	2,552	2,388	3,251	1,682	1,712	1,259	903	1,473	1,293	1,146	943	756

Table 9. Fisher harvest by date and sex, 2015 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 28	4	3		7	0.93	0.93
Nov. 29	77	79	1	157	20.77	21.69
Nov. 30	108	87	1	196	25.93	47.62
Dec. 1	62	70		132	17.46	65.08
Dec. 2	70	49		119	15.74	80.82
Dec. 3	60	66		126	16.67	97.49
Unknown	9	10		19	2.51	100%
Total	390	364	2	756	100%	

Table 10. Distribution of fisher harvest* among trappers, 1993-2015.

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)	276 (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
2015	346 (63)	203 (37)	--	--	--	549	1.4

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

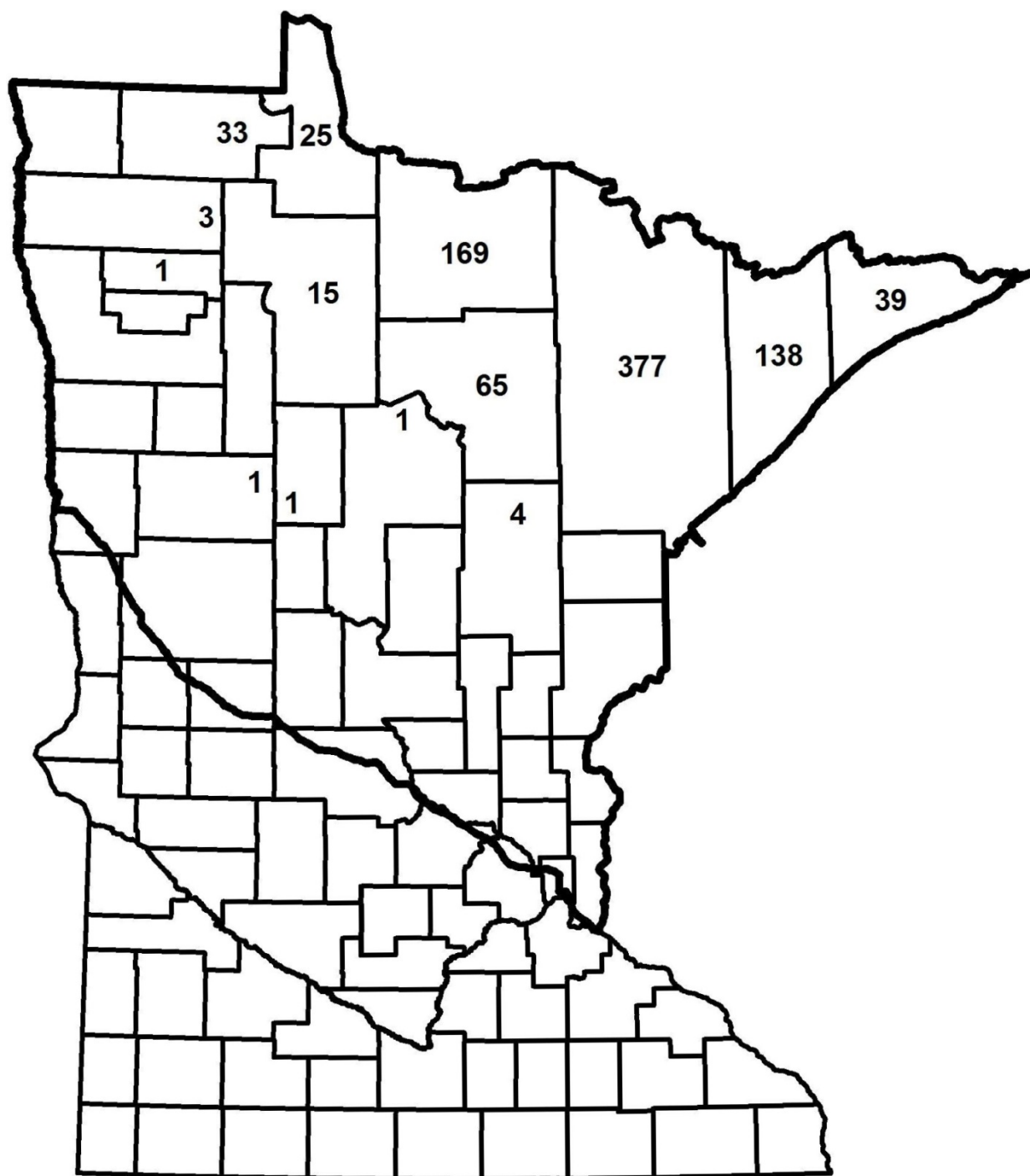


Figure 5. Marten harvest by county, 2015.

Table 11. Marten harvest by county and sex, 2015 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	2	2		4	0.20
Becker	1	0		1	0.07
Beltrami	11	4		15	0.49
Carlton	0	0		0	0.00
Cass	1	1		2	0.08
Clearwater	0	0		0	0.00
Cook	20	19		39	2.43
Crow Wing	0	0		0	0.00
Hubbard	1	0		1	0.10
Itasca	34	30		64	2.19
Kanabec	0	0		0	0.00
Kittson	0	0		0	0.00
Koochiching	119	50		169	5.36
Lake	87	50	1	138	6.03
Lake of the Woods	15	10		25	1.41
Mahnomen	0	0		0	0.00
Marshall	2	1		3	0.17
Otter Tail	0	0		0	0.00
Pennington	1	0		1	0.16
Pine	0	0		0	0.00
Red Lake	0	0		0	0.00
Roseau	22	11		33	1.97
St. Louis	247	130		377	5.60
Unknown	4	1		5	
Total	567	309		877	

Table 12. Comparison of marten harvest by county in Minnesota, 2004-2015.

County	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Aitkin	6	6	13	4	12	5	4	13	10	8	12	4
Becker	0	0	0	0	0	0	0	0	0	0	0	1
Beltrami	65	17	19	8	6	10	2	11	20	15	7	15
Carlton	1	10	6	1	4	8	5	6	3	1	1	0
Cass	3	1	4	0	1	2	1	2	0	0	3	2
Clearwater	1	0	0	0	0	0	0	0	0	0	0	0
Cook	318	369	446	269	151	244	191	205	148	78	43	39
Crow Wing	0	0	0	0	0	1	0	1	0	0	1	0
Hubbard	0	0	0	0	0	0	0	0	0	0	0	1
Itasca	136	98	155	74	72	91	73	118	46	62	79	64
Kanabec	0	0	2	0	0	0	0	0	0	0	0	0
Kittson	0	0	0	0	0	0	1	0	4	0	1	0
Koochiching	549	418	592	348	300	354	336	516	276	218	265	169
Lake	551	536	892	520	438	496	491	577	290	185	149	138
Lake of the Woods	122	54	46	31	17	17	13	49	32	18	23	25
Mahnomen	2	0	0	0	0	0	0	0	0	0	0	0
Marshall	5	3	0	1	0	4	0	3	3	5	5	3
Otter Tail	0	0	0	0	0	0	0	0	0	0	1	0
Pennington	0	0	0	1	0	0	0	0	0	0	0	1
Pine	2	1	1	1	0	0	1	0	0	0	1	0
Red Lake	0	0	0	0	0	0	0	0	1	1	0	0
Roseau	127	51	31	69	46	32	13	98	77	37	40	33
St. Louis	1,346	1,065	1,579	885	769	803	709	926	562	386	421	377
Unknown	7	24	2	9	7	6	2	0	0	0	7	5
Total	3,241	2,653	3,788	2,221	1,823	2,073	1,842	2,525	1,472	1,014	1,059	877

Table 13. Marten harvest by date and sex, 2015 season.

Date	Sex			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov. 28	3	0		3	0.34	0.34
Nov. 29	147	67		214	24.40	24.74
Nov. 30	134	72		206	23.49	48.23
Dec. 1	103	72	1	176	20.07	68.30
Dec. 2	76	46		122	13.91	82.21
Dec. 3	98	48		146	16.65	98.86
Unknown	6	4		10	1.14	100%
Total	567	309	1	877	100%	

Table 14. Distribution of marten harvest* among trappers, 1993-2015.

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
2015	247 (44)	309 (56)	---	---	---	556	1.6

* 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, 2015.
(Combined limit = 2)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		134	309			
	1	233	113				
	2	203					
	3						
	4						
	5						
Total takers of at least 1 fisher or marten							992

Table 16. Otter harvest by county and sex, 2015-16 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknow		
Aitkin	51	23		74	3.71
Anoka	11	9		20	4.49
Becker	52	31		83	5.74
Beltrami	44	31	1	76	2.49
Benton	1	0		1	0.24
Big Stone	2	1		3	0.57
Blue Earth	1	0		1	0.13
Brown	1	1		2	0.32
Carlton	25	17		42	4.80
Carver	7	4		11	2.93
Cass	121	50	1	172	7.13
Chippewa	3	1		4	0.68
Chisago	15	5		20	4.52
Clay	12	6		18	1.71
Clearwater	25	13		38	3.69
Cook	5	4		9	0.56
Crow Wing	33	26		59	5.10
Dakota	7	6		13	2.22
Dodge	2	0		2	0.46
Douglas	11	11		22	3.05
Faribault	3	0		3	0.42
Fillmore	2	1		3	0.35
Freeborn	3	3		6	0.83
Goodhue	6	5		11	1.41
Grant	4	0		4	0.69
Hennepin	3	0		3	0.49
Houston	7	2		9	1.58
Hubbard	17	15		32	3.20
Isanti	10	3		13	2.88
Itasca	88	69	2	159	5.43
Jackson	0	1		1	0.14
Kanabec	14	12		26	4.88
Kandiyohi	13	10		23	2.67
Kittson	0	0		0	0.00
Koochiching	40	27	1	68	2.16
Lac Qui Parle	3	4		7	0.90
Lake	18	8		26	1.14
Lake of the Woods	22	9		31	1.74
Le Sueur	1	1		2	0.42
Lincoln	0	0		0	0.00
Mahnomen	4	2		6	1.03
Marshall	5	4		9	0.50
Martin	1	0		1	0.14
McLeod	9	7		16	3.17
Meeker	16	7		23	3.57
Mille Lacs	6	10		16	2.35
Morrison	16	15		31	2.69
Mower	2	0		2	0.28
Murray	1	0		1	0.14
Nicollet	0	0		0	0.00
Nobles	0	0		0	0.00
Norman	5	8		13	1.48

Table 16 (continued). Otter harvest by county and sex, 2015-16 season.

County	Sex			Total	Harvest / 100 Mile ²
	Male	Female	Unknown		
Olmsted	3	1	1	5	0.76
Otter Tail	56	31		87	3.91
Pennington	6	2		8	1.29
Pine	59	27		86	6.00
Polk	20	17		37	1.85
Pope	5	3		8	1.12
Ramsey	1	0		1	0.59
Red Lake	12	2		14	3.23
Redwood	3	0		3	0.34
Renville	1	0		1	0.10
Rice	1	1		2	0.39
Rock	0	0		0	0.00
Roseau	18	5		23	1.37
Scott	2	2		4	1.09
Sherburne	7	3		10	2.22
Sibley	3	0		3	0.50
St. Louis	163	97		260	3.86
Stearns	26	24		50	3.60
Steele	0	1		1	0.23
Stevens	1	1		2	0.35
Swift	2	1		3	0.40
Todd	14	14		28	2.86
Traverse	2	1		3	0.51
Wabasha	7	0	2	9	1.64
Wadena	8	11		19	3.50
Waseca	2	0		2	0.46
Washington	7	2		9	2.13
Watsonwan	0	0		0	0.00
Wilkin	3	0		3	0.40
Winona	10	7		17	2.65
Wright	12	9		21	2.94
Yellow Medicine	2	0	1	3	0.39
Unknown	8	9	1	18	
Total	1,212	733	10	1,955	

Table 17. Comparison of otter harvest by county, 2004-2015.

County	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
Aitkin	113	132	124	53	65	54	59	107	111	90	67	74
Anoka	32	22	16	26	18	26	8	13	31	25	23	20
Becker	178	107	117	54	55	39	53	95	127	87	77	83
Beltrami	216	170	154	105	80	74	77	112	120	98	74	76
Benton	19	14	16	9	11	3	13	13	21	17	8	1
Big Stone	0	0	0	0	2	1	0	3	3	9	8	3
Blue Earth	0	0	0	0	0	0	0	2	3	1	2	1
Brown	0	0	0	0	0	0	0	0	0	0	0	2
Carlton	53	36	39	36	29	30	35	29	38	37	26	42
Carver	0	0	0	2	5	6	5	15	8	9	17	11
Cass	255	231	236	124	160	90	135	140	183	161	193	172
Chippewa	0	0	0	0	0	0	5	7	8	12	6	4
Chisago	20	28	33	16	15	18	23	19	24	32	26	20
Clay	15	18	35	8	14	7	23	42	23	16	14	18
Clearwater	62	48	41	39	35	19	38	41	46	47	23	38
Cook	56	46	39	13	12	16	19	36	55	57	28	9
Crow Wing	141	102	111	63	99	76	66	107	117	96	83	59
Dakota	0	0	0	0	5	7	1	0	11	10	6	13
Dodge	0	0	0	0	0	0	3	1	1	3	4	2
Douglas	27	16	30	18	28	11	14	34	37	23	33	22
Faribault	0	0	0	0	0	0	0	1	12	3	1	3
Fillmore	0	0	0	6	1	1	5	5	10	6	13	3
Freeborn	0	0	0	0	0	0	5	10	10	1	7	6
Goodhue	0	0	0	3	3	7	11	7	18	2	2	11
Grant	0	0	0	3	3	6	1	8	12	6	13	4
Hennepin	0	0	0	1	3	6	2	3	4	5	6	3
Houston	0	0	0	9	15	11	11	10	26	22	14	9
Hubbard	91	80	72	59	72	41	52	42	67	61	36	32
Isanti	35	38	30	30	17	18	14	9	18	28	23	13
Itasca	483	362	334	205	201	191	247	281	346	345	184	159
Jackson	0	0	0	0	0	0	0	0	0	0	0	1
Kanabec	57	79	62	44	29	23	17	22	52	45	34	26
Kandiyohi	0	0	0	2	6	6	8	8	10	20	20	23
Kittson	3	3	5	11	2	3	8	2	9	7	4	0
Koochiching	167	131	118	70	95	61	81	62	127	115	55	68
Lac Qui Parle	0	0	0	0	0	0	2	6	15	6	1	7
Lake	88	65	60	35	34	45	28	36	66	67	45	26
Lake of the Woods	31	34	24	30	17	8	15	27	27	27	31	31
Le Sueur	0	0	0	0	0	0	3	0	9	5	2	2
Lincoln	0	0	0	0	0	0	0	0	4	0	0	0
Mahnomen	24	29	26	24	7	7	9	20	15	25	7	6
Marshall	29	18	7	6	2	0	13	13	15	15	4	9
Martin	0	0	0	0	0	0	0	0	1	0	0	1

Table 17 (continued).

County	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
McLeod	0	0	0	6	6	8	12	18	19	22	18	16
Meeker	0	0	0	13	13	16	12	28	19	32	35	23
Mille Lacs	48	51	21	33	26	28	19	15	30	39	28	16
Morrison	64	77	60	45	43	31	29	29	52	52	50	31
Mower	0	0	0	0	0	0	8	20	14	9	8	2
Murray	0	0	0	0	0	0	0	0	0	0	0	1
Nicollet	0	0	0	0	0	0	2	1	5	7	1	0
Nobles	0	0	0	0	0	0	0	0	0	0	4	0
Norman	16	17	11	9	17	11	12	21	45	27	19	13
Olmsted	0	0	0	0	2	3	2	3	0	7	7	5
Otter Tail	113	85	81	50	82	32	65	109	173	154	97	87
Pennington	18	33	15	9	0	1	4	2	12	5	8	8
Pine	99	51	111	50	74	37	38	44	66	98	59	86
Polk	104	45	47	32	25	19	36	49	83	71	47	37
Pope	0	0	0	11	12	12	11	20	22	14	19	8
Ramsey	0	0	0	0	0	0	0	0	3	1	1	1
Red Lake	58	26	30	19	8	20	22	19	26	11	10	14
Redwood	0	0	0	0	0	0	0	2	4	6	8	3
Renville	0	0	0	0	0	0	0	1	6	0	3	1
Rice	0	0	0	0	0	0	1	9	4	8	1	2
Rock	0	0	0	0	0	0	0	0	2	0	0	0
Roseau	69	60	53	32	53	23	32	33	64	48	44	23
Scott	0	0	0	3	3	1	4	2	4	3	2	4
Sherburne	25	15	29	26	10	17	7	19	12	9	10	10
Sibley	0	0	0	0	0	0	6	6	6	3	2	3
St. Louis	508	428	344	290	251	233	253	239	363	293	258	260
Stearns	22	21	33	9	38	24	13	41	53	53	41	50
Steele	0	0	0	0	0	0	1	0	3	1	0	1
Stevens	0	0	0	1	3	1	6	1	3	12	4	2
Swift	0	0	0	9	4	5	2	11	10	10	9	3
Todd	53	63	81	35	37	32	41	63	55	55	19	28
Traverse	0	0	0	1	0	2	0	1	4	1	0	3
Wabasha	0	0	0	15	7	18	7	8	20	21	19	9
Wadena	34	38	32	15	19	15	16	20	43	30	30	19
Waseca	0	0	0	0	0	0	0	0	0	0	2	2
Washington	8	11	16	18	19	11	16	18	12	24	27	9
Watsonwan	0	0	0	0	0	0	0	0	0	1	0	0
Wilkin	0	0	0	2	0	0	0	0	3	2	0	3
Winona	0	0	0	11	19	13	15	20	21	17	5	17
Wright	3	2	5	7	9	8	11	17	23	26	21	21
Yellow Medicine	0	0	0	0	0	0	0	0	7	9	0	3
Unknown	13	14	22	6	18	12	2	17	40	2	18	18
Totals	3,450	2,846	2,720	1,861	1,938	1,544	1,814	2,294	3,171	2,824	2,154	1,955

Table 18. Otter harvest by sex and week, 2015-16 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.24 - Oct.30	90	62	2	154	7.88	7.88
Oct.31 - Nov.6	209	111		320	16.37	24.25
Nov.7 - Nov.13	164	121		285	14.58	38.82
Nov.14 - Nov.20	162	93	1	256	13.09	51.92
Nov.21 - Nov.27	103	70		173	8.85	60.77
Nov.28 - Dec.4	143	71	4	218	11.15	71.92
Dec.5 - Dec.11	95	56	2	153	7.83	79.74
Dec.12 - Dec.18	137	71	1	209	10.69	90.43
Dec.19 - Dec.25	66	50		116	5.93	96.37
Dec.26 - Jan.3*	43	27		70	3.58	99.95
Unknown	0	1		1	0.05	100.00
Total	1,212	733	10	1,955	100%	

* 9-day interval.

Table 19. Distribution of otter harvest* among trappers, 1993-2015.

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
2015-16	337 (39)	183 (21)	142 (16)	203 (23)	865	2.2

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