

## **REGISTERED FURBEARER HARVEST STATISTICS**

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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 influenced by habitat change. Hence, detailed harvest information is desirable to help ensure sustainable populations. For the past 41 years, detailed harvest data has been collected for these species.

### METHODS

Hunters and trappers 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 2016 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.

### ACKNOWLEDGMENTS

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.**

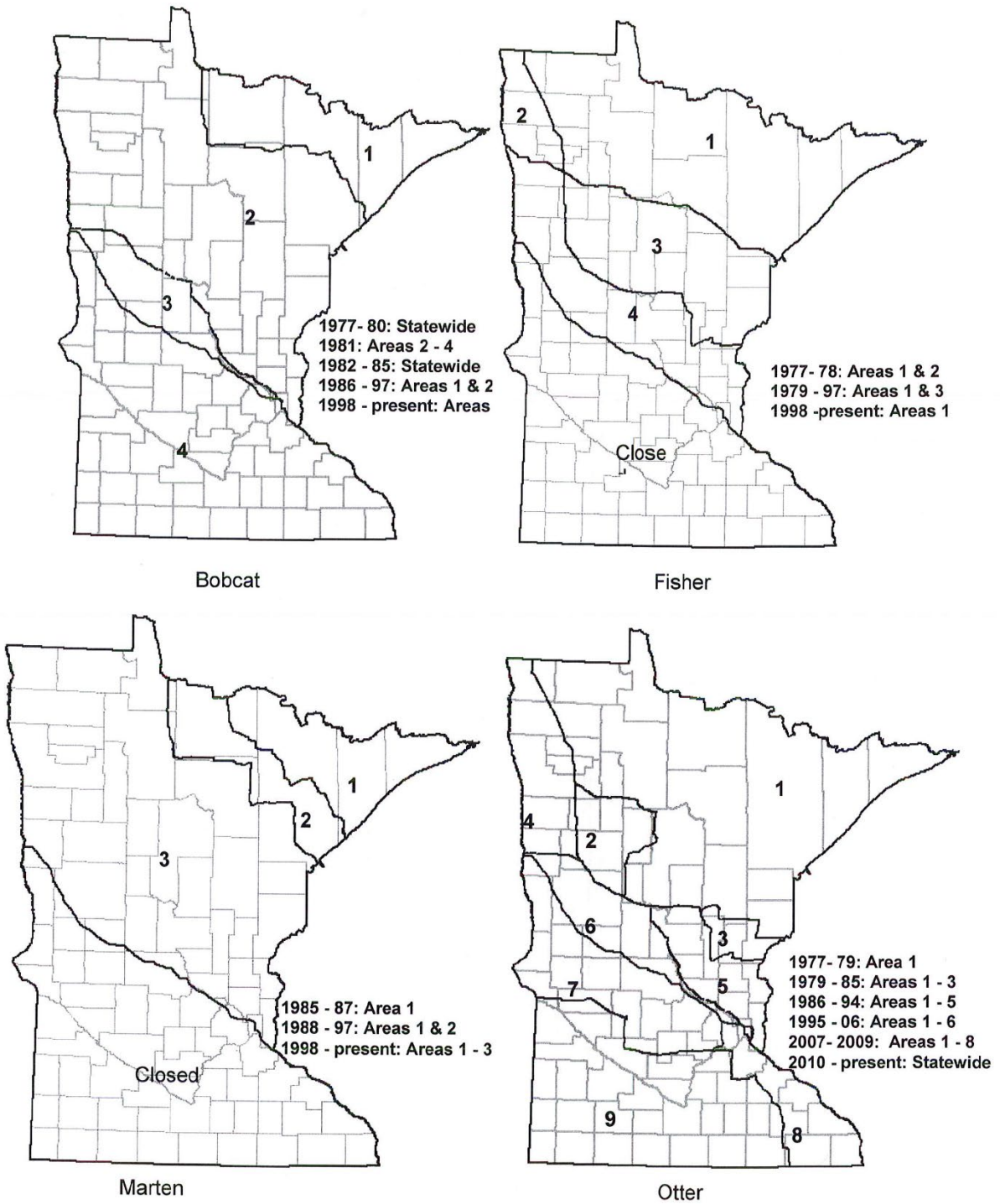


Figure 1. Open trapping areas for fisher, marten, bobcat, and otter, 1977- present.

Table 1. Registered furbearer seasons and harvests, 1987-2017.

Year	Bobcat				Fisher				Marten				Otter			
	Season	Days	Limit	Harvest	Season	Days	Limit <sup>a</sup>	Harvest	Season	Days	Limit <sup>a</sup>	Harvest	Season <sup>b</sup>	Days	Limit <sup>c</sup>	Harvest
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
2016-17	11/26-1/8	44	5	485	11/26-12/1	6	2	399	11/26-12/1	6	2	551	10/29-1/8	78	4	1195
2017-18	11/25-1/7	44	5	731	11/25-11/30	6	2	477	11/25-11/30	6	2	979	10/28-1/7	78	4	1295

<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).

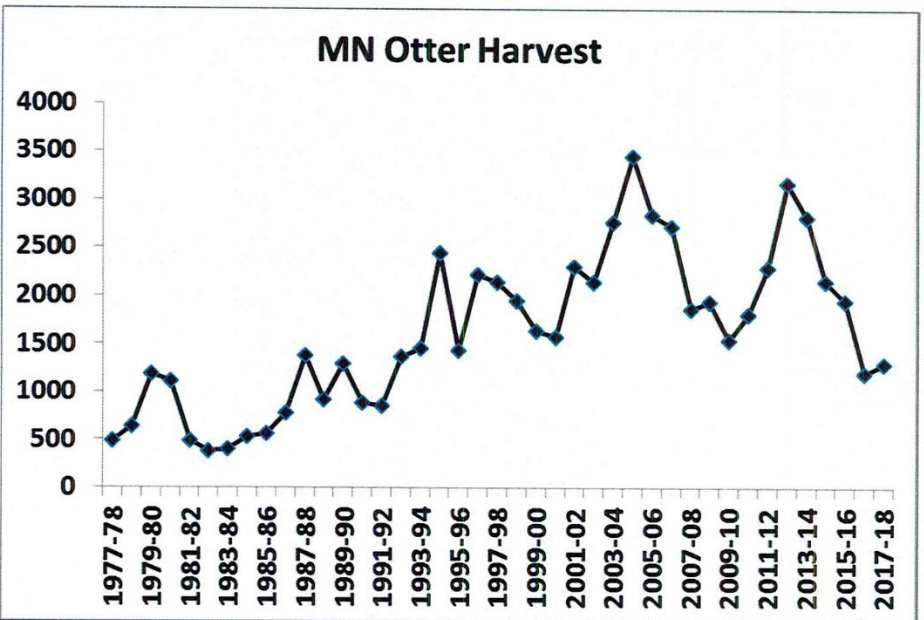
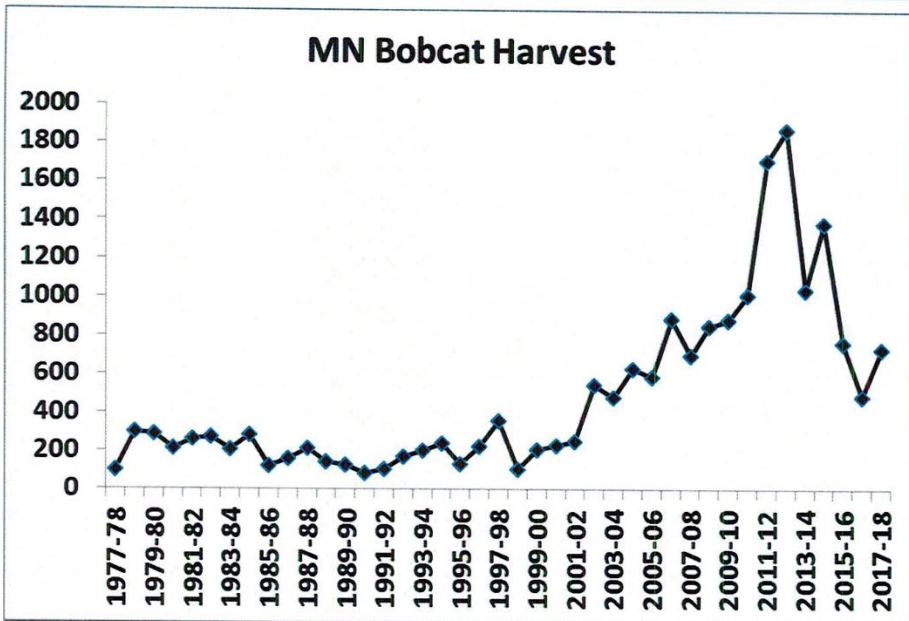
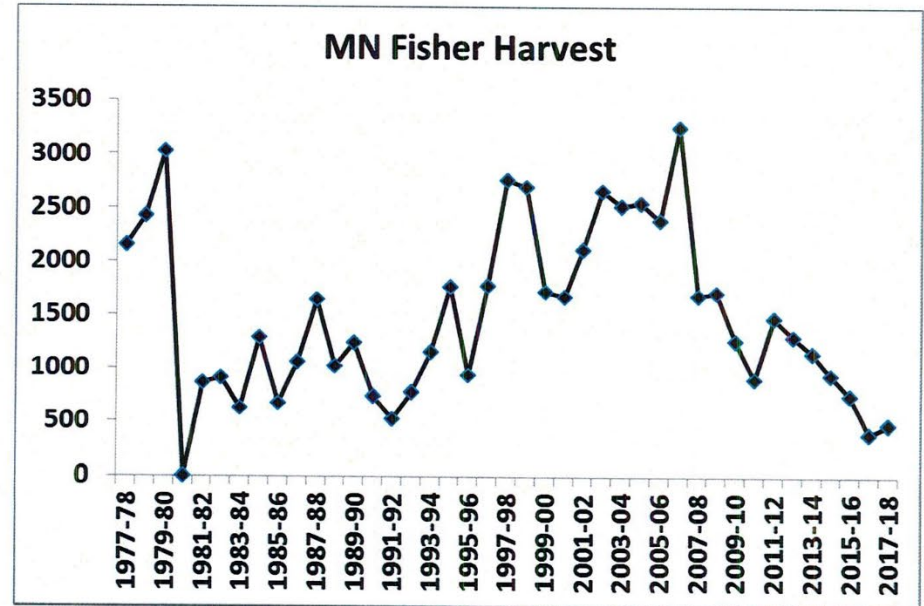
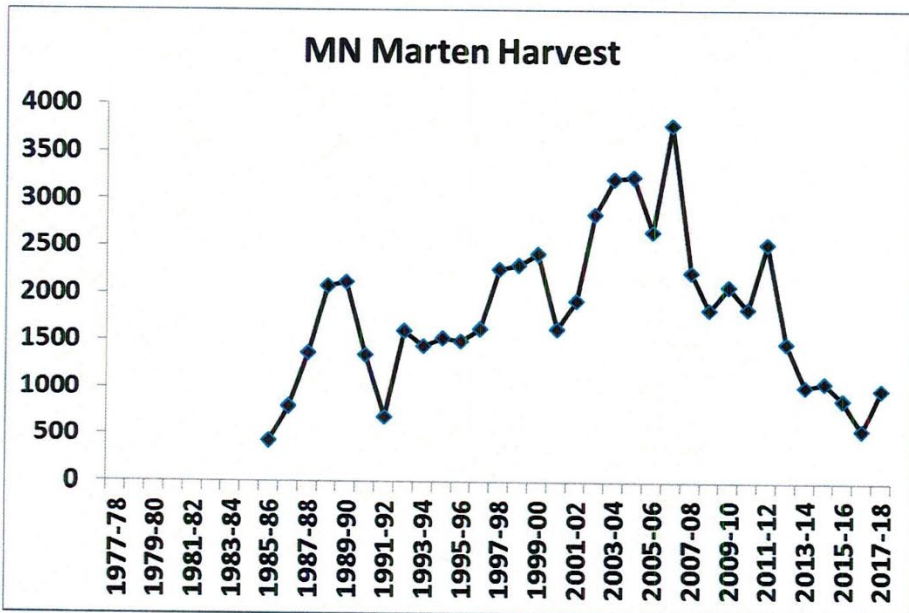


Figure 2. Harvest of registered furbearers in Minnesota, 1977-present.

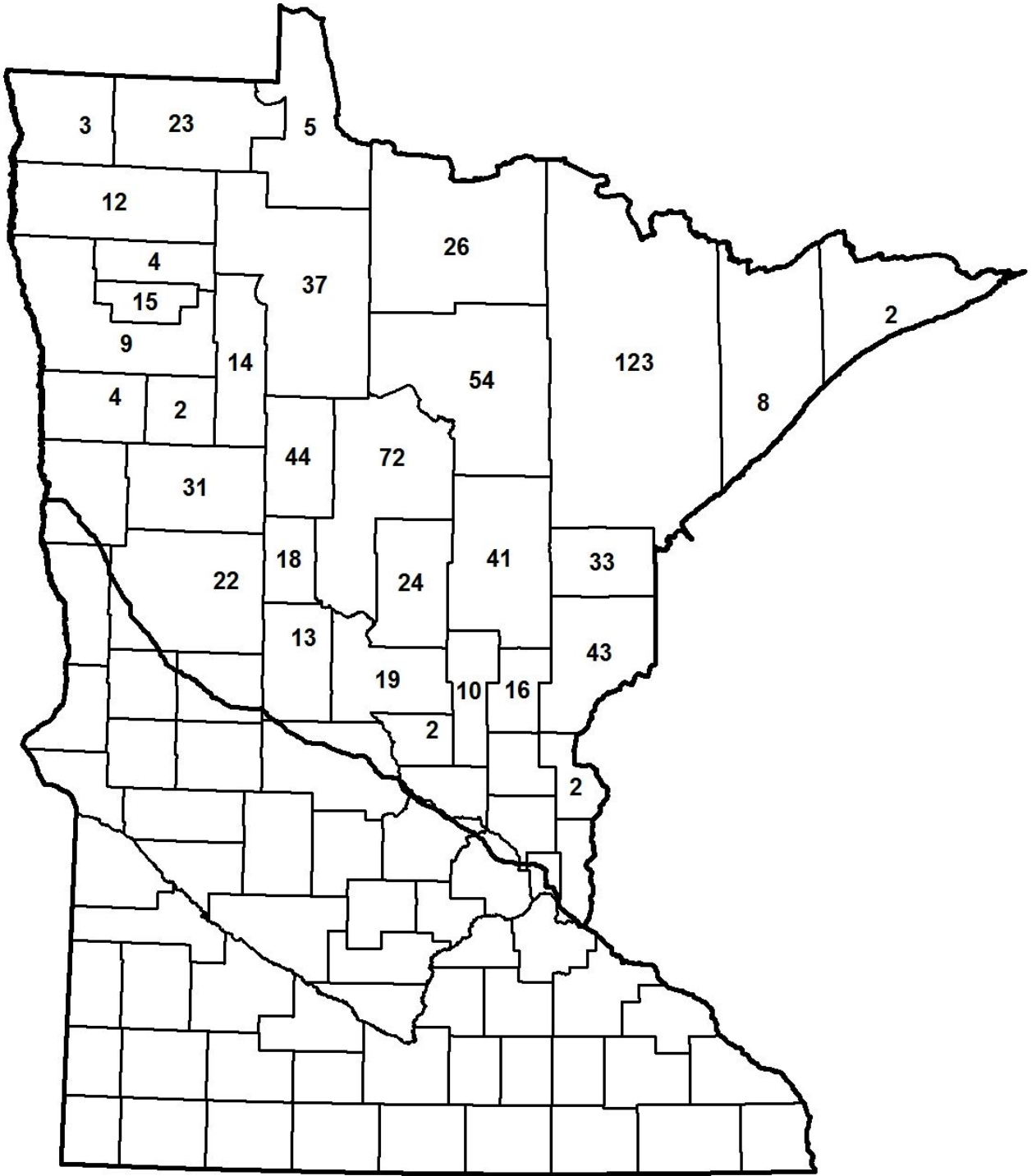


Figure 3. Bobcat harvest by county, 2017-18.

Table 2. Bobcat harvest by county and sex, 2017-18.

County	Sex*			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	21	20		41	2.06
Anoka	0	0		0	0.00
Becker	19	12		31	2.14
Beltrami	18	19		37	1.21
Benton	1	1		2	0.48
Carlton	18	15		33	3.77
Cass	32	40		72	2.98
Chisago	1	1		2	0.45
Clay	0	0		0	0.00
Clearwater	8	6		14	1.36
Cook	1	1		2	0.12
Crow Wing	10	14		24	2.08
Douglas	0	0		0	0.00
Hubbard	21	23		44	4.40
Isanti	0	0		0	0.00
Itasca	20	34		54	1.85
Kanabec	11	5		16	3.00
Kittson	1	2		3	0.27
Koochiching	10	16		26	0.82
Lake	2	6		8	0.35
Lake of the Woods	3	2		5	0.28
Mahnomen	0	2		2	0.34
Marshall	6	6		12	0.66
Mille Lacs	7	3		10	1.47
Morrison	6	13		19	1.65
Norman	3	1		4	0.46
Otter Tail	10	12		22	0.99
Pennington	3	1		4	0.65
Pine	24	19		43	3.00
Polk	2	7		9	0.45
Red Lake	9	6		15	3.46
Roseau	12	11		23	1.37
Sherburne	0	0		0	0.00
St. Louis	50	73		123	1.83
Stearns	0	0		0	0.00
Todd	8	5		13	1.33
Wadena	10	8		18	3.31
Unknown	0	0		0	
<b>Total</b>	<b>347</b>	<b>384</b>	<b>0</b>	<b>731</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, 2007-2017.

County	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Aitkin	56	64	82	73	121	142	65	105	39	22	41
Anoka	0	0	0	0	1	0	0	1	0	0	0
Becker	24	37	25	39	70	58	36	48	36	10	31
Beltrami	33	49	70	108	139	139	59	73	49	30	37
Benton	1	5	2	0	4	3	3	0	0	1	2
Carlton	25	45	44	37	94	63	42	88	25	16	33
Cass	50	98	115	117	164	150	76	126	73	44	72
Chisago	3	0	0	1	0	3	1	1	3	4	2
Clay	0	0	1	3	1	3	2	3	1	0	0
Clearwater	25	43	27	30	58	40	19	29	15	13	14
Cook	0	1	0	1	3	3	9	17	1	0	2
Crow Wing	21	36	38	29	64	65	19	32	21	7	24
Douglas	0	0	0	0	0	1	1	0	0	0	0
Hubbard	40	49	81	59	129	105	51	50	45	21	44
Isanti	0	0	0	0	0	0	1	0	1	1	0
Itasca	86	72	106	132	186	194	93	110	50	19	54
Kanabec	16	23	11	16	21	46	16	46	12	11	16
Kittson	4	9	4	9	10	7	5	5	7	6	3
Koochiching	37	31	25	54	66	82	50	40	22	25	26
Lake	0	1	2	7	15	21	13	15	8	4	8
Lake of the Woods	9	12	16	10	28	13	20	26	10	7	5
Mahnomen	8	0	4	2	9	7	4	4	3	5	2
Marshall	32	18	15	31	42	44	15	21	19	14	12
Mille Lacs	13	11	10	10	13	23	7	14	5	2	10
Morrison	23	28	13	23	25	35	15	25	16	17	19
Norman	0	0	1	0	3	6	3	8	4	1	4
Otter Tail	9	7	7	14	21	38	18	17	16	15	22
Pennington	11	9	6	5	4	13	7	3	4	1	4
Pine	87	101	49	50	94	135	54	87	56	37	43
Polk	0	4	9	9	17	20	10	16	15	10	9
Red Lake	0	0	7	16	20	25	6	11	3	1	15
Roseau	32	18	19	26	46	60	38	27	20	23	23
Sherburne	0	0	1	0	3	0	0	0	0	0	0
St. Louis	39	58	56	81	202	283	255	307	156	91	123
Stearns	1	0	0	0	0	0	2	0	1	0	0
Todd	6	14	10	9	14	16	5	8	8	9	13
Wadena	9	7	21	9	17	23	18	18	10	18	18
Unknown	2	3	7	2	7	9	0	3	12	0	0
Total	702	853	884	1012	1711	1875	1038	1384	766	485	731

Table 4. Bobcat harvest by sex and week, 2017-18 season.

Date	Sex*			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.25 - Dec.1	47	78		125	17.10	17.10
Dec.2 - Dec.8	61	49		110	15.05	32.15
Dec.9 - Dec.15	54	71		125	17.10	49.25
Dec.16 - Dec.22	78	72		150	20.52	69.77
Dec.23 - Dec.29	53	55		108	14.77	84.54
Dec.30 - Jan.7**	47	54		101	13.82	98.36
Unknown	7	5		12	1.64	100%
<b>Total</b>	<b>347</b>	<b>384</b>	<b>0</b>	<b>731</b>	<b>100%</b>	

\* 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, 1992-2017.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
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
2016-17	126 (58)	47 (22)	26 (12)	6 (3)	11 (5)	216
2017-18	257 (61)	95 (22)	31 (7)	16 (4)	25 (6)	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, 1990-2017.

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>
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
2016-17	485	377	78	215	1.8	41	108	22	69	1.6	54
2017-18	731	606	83	335	1.8	45	125	17	93	1.3	59

<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

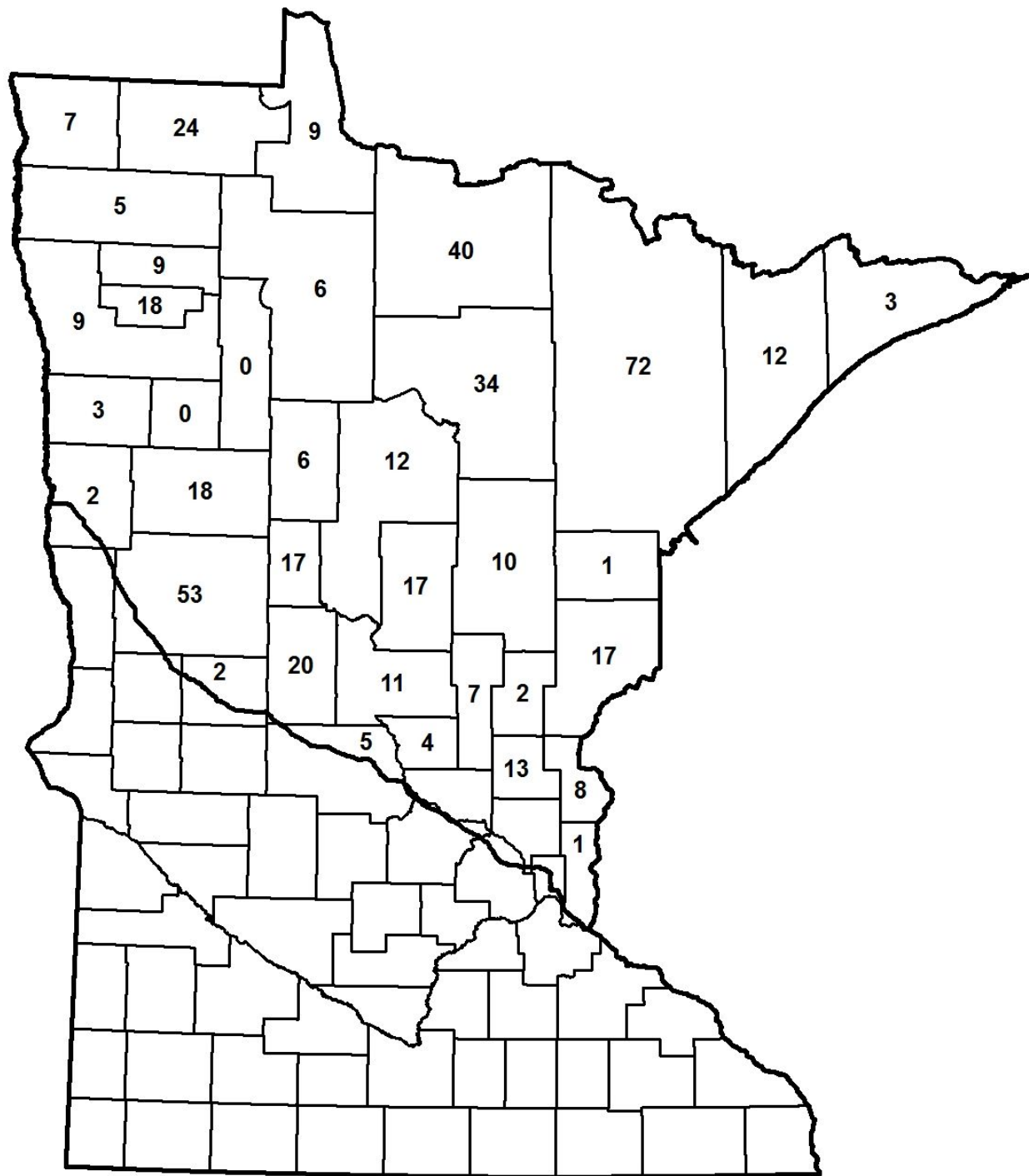


Figure 4. Fisher harvest by county, 2017.

Table 7. Fisher harvest by county and sex, 2017 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	7	3		10	0.50
Anoka	0	0		0	0.00
Becker	11	7		18	1.25
Beltrami	5	1		6	0.20
Benton	3	1		4	0.97
Carlton	1	0		1	0.11
Cass	10	2		12	0.50
Chisago	7	1		8	1.81
Clay	2	0		2	0.19
Clearwater	0	0		0	0.00
Cook	1	2		3	0.19
Crow Wing	9	8		17	1.47
Douglas	0	2		2	0.28
Grant	0	0		0	0.00
Hubbard	4	2		6	0.60
Isanti	5	7	1	13	2.88
Itasca	19	15		34	1.16
Kanabec	1	1		2	0.38
Kittson	3	4		7	0.63
Koochiching	23	17		40	1.27
Lake	6	6		12	0.52
Lake of the Woods	5	4		9	0.51
Mahnomen	0	0		0	0.00
Marshall	4	1		5	0.28
Mille Lacs	5	2		7	1.03
Morrison	4	7		11	0.95
Norman	3	0		3	0.34
Otter Tail	32	21		53	2.38
Pennington	3	6		9	1.46
Pine	11	6		17	1.19
Polk	7	2		9	0.45
Red Lake	11	7		18	4.16
Roseau	13	11		24	1.43
Sherburne	0	0		0	0.00
St. Louis	37	35		72	1.07
Stearns	2	3		5	0.36
Todd	14	6		20	2.04
Wadena	9	8		17	3.13
Washington	0	1		1	0.24
Wilkin	0	0		0	0.00
Unknown	0	0		0	
<b>Total</b>	<b>277</b>	<b>199</b>	<b>1</b>	<b>477</b>	

Table 8. Comparison of fisher harvest by county, 2006-2017.

County	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Aitkin	156	67	75	50	35	55	52	47	24	38	16	10
Anoka	0	0	2	0	0	1	2	1	2	7	4	0
Becker	87	57	36	44	30	32	45	38	21	23	3	18
Beltrami	54	40	15	22	10	25	21	17	4	8	9	6
Benton	1	0	3	2	0	5	5	2	4	3	7	4
Carlton	49	13	19	15	12	12	14	8	14	13	6	1
Cass	209	80	77	57	43	41	37	23	30	24	11	12
Chisago	18	7	4	10	6	10	3	4	16	18	11	8
Clay	1	0	3	0	6	10	6	5	6	4	4	2
Clearwater	54	19	37	13	6	8	5	12	3	2	3	0
Cook	35	29	10	11	17	28	11	13	11	5	4	3
Crow Wing	140	81	116	42	48	64	55	51	34	31	13	17
Douglas	6	2	5	2	6	15	24	8	20	12	6	2
Grant	0	0	0	0	1	0	0	0	0	0	0	0
Hubbard	51	20	38	18	13	10	11	10	8	6	5	6
Isanti	5	1	5	9	1	4	6	11	11	12	3	13
Itasca	405	195	195	166	88	142	105	116	78	47	13	34
Kanabec	26	11	26	20	13	21	27	30	9	10	6	2
Kittson	2	5	8	5	7	5	9	11	2	3	5	7
Koochiching	221	105	115	96	51	116	80	51	67	45	23	40
Lake	87	49	54	49	45	56	53	35	28	14	14	12
Lake of the Woods	74	17	42	21	9	33	21	13	12	15	6	9
Mahnomen	27	25	6	3	0	3	0	4	2	0	0	0
Marshall	26	19	26	6	7	13	14	17	22	22	6	5
Mille Lacs	20	15	17	18	18	17	20	17	12	6	13	7
Morrison	23	21	14	10	8	10	24	25	23	15	16	11
Norman	4	9	12	7	4	10	19	21	12	5	9	3
Otter Tail	158	110	152	67	100	138	121	117	102	77	41	53
Pennington	22	16	8	2	4	8	8	11	19	11	4	9
Pine	82	39	74	30	26	22	42	46	44	35	18	17
Polk	72	61	49	31	25	54	58	45	32	22	11	9
Red Lake	32	29	23	23	10	17	16	24	18	6	8	18
Roseau	127	84	89	58	20	79	61	42	32	26	15	24
Sherburne	0	0	0	3	1	6	2	2	2	2	0	0
St. Louis	898	407	283	296	186	350	233	220	171	125	61	72
Stearns	0	0	1	1	0	4	1	4	2	3	3	5
Todd	21	13	33	22	18	15	29	22	15	19	12	20
Wadena	44	27	37	23	23	31	25	23	21	26	9	17
Washington	0	1	0	0	0	1	1	0	2	2	1	1
Wilkin	0	0	0	0	0	1	0	0	0	0	0	0
Unknown	14	8	3	7	6	1	27	0	8	14	0	0
Total	3,251	1,682	1,712	1,259	903	1,473	1,293	1,146	943	756	399	477

Table 9. Fisher harvest by date and sex, 2017 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 25	11	0		11	2.31	2.31
Nov. 26	60	48		108	22.64	24.95
Nov. 27	66	48	1	115	24.11	49.06
Nov. 28	61	40		101	21.17	70.23
Nov. 29	43	35		78	16.35	86.58
Nov. 30	33	25		58	12.16	98.74
Unknown	3	3		6	1.26	100%
Total	277	199	1	477	100%	



Table 10. Distribution of fisher harvest\* among trappers, 1993-2017.

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
2015	346 (63)	203 (37)	----	----	----	549	1.4
2016	177 (61)	111 (39)	----	----	----	288	1.4
2017	246 (68)	114 (32)	----	----	----	360	1.3

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

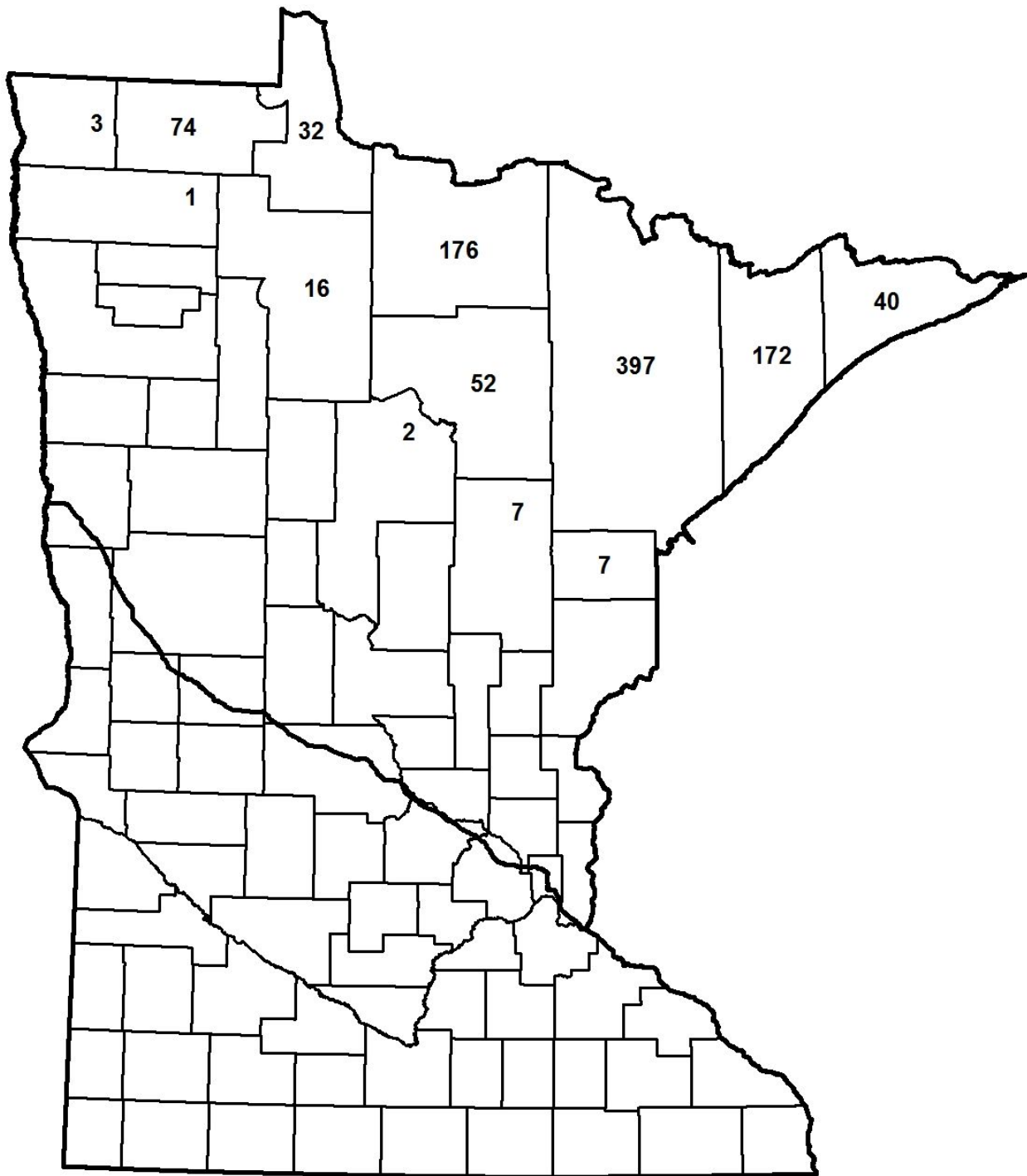


Figure 5. Marten harvest by county, 2017.

Table 11. Marten harvest by county and sex, 2017 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	3	3	1	7	0.35
Becker	0	0		0	0.00
Beltrami	8	8		16	0.52
Carlton	3	4		7	0.80
Cass	1	1		2	0.08
Clearwater	0	0		0	0.00
Cook	29	11		40	2.49
Crow Wing	0	0		0	0.00
Hubbard	0	0		0	0.00
Itasca	26	25	1	52	1.78
Kanabec	0	0		0	0.00
Kittson	2	1		3	0.27
Koochiching	126	50		176	5.58
Lake	120	52		172	7.52
Lake of the Woods	25	7		32	1.80
Mahnomen	0	0		0	0.00
Marshall	1	0		1	0.06
Otter Tail	0	0		0	0.00
Pennington	0	0		0	0.00
Pine	0	0		0	0.00
Red Lake	0	0		0	0.00
Roseau	52	22		74	4.41
St. Louis	237	160		397	5.89
Unknown	0	0		0	
<b>Total</b>	<b>633</b>	<b>344</b>	<b>2</b>	<b>979</b>	

Table 12. Comparison of marten harvest by county in Minnesota, 2006-2017.

County	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Aitkin	13	4	12	5	4	13	10	8	12	4	1	7
Becker	0	0	0	0	0	0	0	0	0	1	0	0
Beltrami	19	8	6	10	2	11	20	15	7	15	7	16
Carlton	6	1	4	8	5	6	3	1	1	0	0	7
Cass	4	0	1	2	1	2	0	0	3	2	2	2
Clearwater	0	0	0	0	0	0	0	0	0	0	0	0
Cook	446	269	151	244	191	205	148	78	43	39	23	40
Crow Wing	0	0	0	1	0	1	0	0	1	0	2	0
Hubbard	0	0	0	0	0	0	0	0	0	1	0	0
Itasca	155	74	72	91	73	118	46	62	79	64	28	52
Kanabec	2	0	0	0	0	0	0	0	0	0	0	0
Kittson	0	0	0	0	1	0	4	0	1	0	0	3
Koochiching	592	348	300	354	336	516	276	218	265	169	107	176
Lake	892	520	438	496	491	577	290	185	149	138	109	172
Lake of the Woods	46	31	17	17	13	49	32	18	23	25	21	32
Mahnomen	0	0	0	0	0	0	0	0	0	0	0	0
Marshall	0	1	0	4	0	3	3	5	5	3	1	1
Otter Tail	0	0	0	0	0	0	0	0	1	0	0	0
Pennington	0	1	0	0	0	0	0	0	0	1	0	0
Pine	1	1	0	0	1	0	0	0	1	0	0	0
Red Lake	0	0	0	0	0	0	1	1	0	0	0	0
Roseau	31	69	46	32	13	98	77	37	40	33	31	74
St. Louis	1,579	885	769	803	709	926	562	386	421	377	219	397
Unknown	2	9	7	6	2	0	0	0	7	5	0	0
Total	3,788	2,221	1,823	2,073	1,842	2,525	1,472	1,014	1,059	877	551	979

Table 13. Marten harvest by date and sex, 2017 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 25	1	0		1	0.10	0.10
Nov. 26	218	95		313	31.97	32.07
Nov. 27	155	77	1	233	23.80	55.87
Nov. 28	95	73	1	169	17.26	73.14
Nov. 29	89	55		144	14.71	87.84
Nov. 30	73	44		117	11.95	99.80
Unknown	2	0		2	0.20	100%
Total	633	344	2	979	100%	

Table 14. Distribution of marten harvest\* among trappers, 1993-2017.

	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
2016	142 (41)	202 (59)	----	----	----	344	1.6
2017	233 (39)	365 (61)	----	----	----	598	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, 2017.  
 (Combined limit = 2)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		134	365			
	1	149	97				
	2	114					
	3						
	4						
	5						
						Total takers of at least 1 fisher or marten	859





Table 16. Otter harvest by county and sex, 2017-18 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Aitkin	16	17		33	1.66
Anoka	11	7		18	4.04
Becker	19	8		27	1.87
Beltrami	20	20		40	1.31
Benton	2	1		3	0.73
Big Stone	4	2		6	1.14
Blue Earth	3	0		3	0.39
Brown	0	0		0	0.00
Carlton	6	3		9	1.03
Carver	5	3		8	2.13
Cass	60	32		92	3.81
Chippewa	5	3		8	1.36
Chisago	13	3	2	18	4.07
Clay	4	6		10	0.95
Clearwater	21	12		33	3.20
Cook	0	0		0	0.00
Crow Wing	26	15		41	3.55
Dakota	5	3		8	1.37
Dodge	2	1		3	0.68
Douglas	11	4		15	2.08
Faribault	7	2		9	1.25
Fillmore	2	2		4	0.46
Freeborn	6	5		11	1.52
Goodhue	3	6		9	1.15
Grant	2	3		5	0.87
Hennepin	2	0		2	0.33
Houston	5	3		8	1.41
Hubbard	21	18		39	3.90
Isanti	9	4		13	2.88
Itasca	53	30	1	84	2.87
Jackson	0	0		0	0.00
Kanabec	16	13		29	5.44
Kandiyohi	13	5		18	2.09
Kittson	4	4		8	0.72
Koochiching	8	8		16	0.51
Lac Qui Parle	4	3	1	8	1.03
Lake	6	6		12	0.52
Lake of the Woods	9	7		16	0.90
Le Sueur	2	1		3	0.63
Lincoln	1	1		2	0.36
Lyon	0	0	1	1	0.14
Mahnomen	5	4		9	1.54
Marshall	11	4		15	0.83
Martin	1	0		1	0.14
McLeod	10	6		16	3.17
Meeker	13	13		26	4.03
Mille Lacs	18	8		26	3.82
Morrison	13	11		24	2.08
Mower	6	1		7	0.98
Murray	0	0		0	0.00
Nicollet	2	2		4	0.86
Nobles	0	0		0	0.00
Norman	3	5		8	0.91

Table 16 (continued). Otter harvest by county and sex, 2017-18 season.

County	Sex			Total	Harvest/ 100 Mile <sup>2</sup>
	Male	Female	Unknown		
Olmsted	2	3		5	0.76
Otter Tail	60	38	2	100	4.49
Pennington	2	0		2	0.32
Pine	12	8		20	1.40
Pipestone	1	0		1	0.21
Polk	5	7		12	0.60
Pope	5	3		8	1.12
Ramsey	0	0		0	0.00
Red Lake	1	0		1	0.23
Redwood	1	1		2	0.23
Renville	4	2		6	0.61
Rice	1	2		3	0.58
Rock	0	0		0	0.00
Roseau	13	7	2	22	1.31
Scott	1	3		4	1.09
Sherburne	5	3		8	1.78
Sibley	1	1		2	0.33
St. Louis	86	60		146	2.17
Stearns	15	13		28	2.02
Steele	0	3		3	0.69
Stevens	0	0	1	1	0.17
Swift	2	3	2	7	0.93
Todd	15	9		24	2.45
Traverse	2	2		4	0.68
Wabasha	8	3		11	2.00
Wadena	4	4		8	1.47
Waseca	0	0		0	0.00
Washington	12	8		20	4.72
Watsonwan	0	0		0	0.00
Wilkin	2	0		2	0.27
Winona	5	8		13	2.03
Wright	12	10		22	3.08
Yellow Medicine	0	1	1	2	0.26
Unknown	0	0	0	0	
Total	765	517	13	1,295	

Table 17. Comparison of otter harvest by county, 2006-2017.

County	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Aitkin	124	53	65	54	59	107	111	90	67	74	61	33
Anoka	16	26	18	26	8	13	31	25	23	20	12	18
Becker	117	54	55	39	53	95	127	87	77	83	21	27
Beltrami	154	105	80	74	77	112	120	98	74	76	43	40
Benton	16	9	11	3	13	13	21	17	8	1	3	3
Big Stone	0	0	2	1	0	3	3	9	8	3	1	6
Blue Earth	0	0	0	0	0	2	3	1	2	1	3	3
Brown	0	0	0	0	0	0	0	0	0	2	2	0
Carlton	39	36	29	30	35	29	38	37	26	42	32	9
Carver	0	2	5	6	5	15	8	9	17	11	8	8
Cass	236	124	160	90	135	140	183	161	193	172	74	92
Chippewa	0	0	0	0	5	7	8	12	6	4	3	8
Chisago	33	16	15	18	23	19	24	32	26	20	12	18
Clay	35	8	14	7	23	42	23	16	14	18	10	10
Clearwater	41	39	35	19	38	41	46	47	23	38	21	33
Cook	39	13	12	16	19	36	55	57	28	9	4	0
Crow Wing	111	63	99	76	66	107	117	96	83	59	35	41
Dakota	0	0	5	7	1	0	11	10	6	13	3	8
Dodge	0	0	0	0	3	1	1	3	4	2	0	3
Douglas	30	18	28	11	14	34	37	23	33	22	21	15
Faribault	0	0	0	0	0	1	12	3	1	3	5	9
Fillmore	0	6	1	1	5	5	10	6	13	3	3	4
Freeborn	0	0	0	0	5	10	10	1	7	6	2	11
Goodhue	0	3	3	7	11	7	18	2	2	11	4	9
Grant	0	3	3	6	1	8	12	6	13	4	3	5
Hennepin	0	1	3	6	2	3	4	5	6	3	2	2
Houston	0	9	15	11	11	10	26	22	14	9	2	8
Hubbard	72	59	72	41	52	42	67	61	36	32	26	39
Isanti	30	30	17	18	14	9	18	28	23	13	17	13
Itasca	334	205	201	191	247	281	346	345	184	159	67	84
Jackson	0	0	0	0	0	0	0	0	0	1	0	0
Kanabec	62	44	29	23	17	22	52	45	34	26	20	29
Kandiyohi	0	2	6	6	8	8	10	20	20	23	17	18
Kittson	5	11	2	3	8	2	9	7	4	0	8	8
Koochiching	118	70	95	61	81	62	127	115	55	68	19	16
Lac Qui Parle	0	0	0	0	2	6	15	6	1	7	0	8
Lake	60	35	34	45	28	36	66	67	45	26	23	12
Lake of the Woods	24	30	17	8	15	27	27	27	31	31	8	16

Table 17 (continued). Comparison of otter harvest by county, 2006-2017.

County	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Le Sueur	0	0	0	0	3	0	9	5	2	2	4	3
Lincoln	0	0	0	0	0	0	4	0	0	0	0	2
Lyon	0	0	0	0	0	0	0	0	0	0	0	1
Mahnomen	26	24	7	7	9	20	15	25	7	6	3	9
Marshall	7	6	2	0	13	13	15	15	4	9	12	15
Martin	0	0	0	0	0	0	1	0	0	1	1	1
McLeod	0	6	6	8	12	18	19	22	18	16	14	16
Meeker	0	13	13	16	12	28	19	32	35	23	11	26
Mille Lacs	21	33	26	28	19	15	30	39	28	16	13	26
Morrison	60	45	43	31	29	29	52	52	50	31	22	24
Mower	0	0	0	0	8	20	14	9	8	2	13	7
Murray	0	0	0	0	0	0	0	0	0	1	0	0
Nicollet	0	0	0	0	2	1	5	7	1	0	0	4
Nobles	0	0	0	0	0	0	0	0	4	0	0	0
Norman	11	9	17	11	12	21	45	27	19	13	9	8
Olmsted	0	0	2	3	2	3	0	7	7	5	3	5
Otter Tail	81	50	82	32	65	109	173	154	97	87	92	100
Pennington	15	9	0	1	4	2	12	5	8	8	11	2
Pine	111	50	74	37	38	44	66	98	59	86	48	20
Pipestone	0	0	0	0	0	0	0	0	0	0	1	1
Polk	47	32	25	19	36	49	83	71	47	37	20	12
Pope	0	11	12	12	11	20	22	14	19	8	19	8
Ramsey	0	0	0	0	0	0	3	1	1	1	0	0
Red Lake	30	19	8	20	22	19	26	11	10	14	13	1
Redwood	0	0	0	0	0	2	4	6	8	3	0	2
Renville	0	0	0	0	0	1	6	0	3	1	1	6
Rice	0	0	0	0	1	9	4	8	1	2	6	3
Rock	0	0	0	0	0	0	2	0	0	0	2	0
Roseau	53	32	53	23	32	33	64	48	44	23	24	22
Scott	0	3	3	1	4	2	4	3	2	4	5	4
Sherburne	29	26	10	17	7	19	12	9	10	10	11	8
Sibley	0	0	0	0	6	6	6	3	2	3	2	2
St. Louis	344	290	251	233	253	239	363	293	258	260	109	146
Stearns	33	9	38	24	13	41	53	53	41	50	45	28
Steele	0	0	0	0	1	0	3	1	0	1	3	3
Stevens	0	1	3	1	6	1	3	12	4	2	1	1
Swift	0	9	4	5	2	11	10	10	9	3	7	7
Todd	81	35	37	32	41	63	55	55	19	28	22	24

Table 17 (continued). Comparison of otter harvest by county, 2006-2017.

County	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Traverse	0	1	0	2	0	1	4	1	0	3	7	4
Wabasha	0	15	7	18	7	8	20	21	19	9	11	11
Wadena	32	15	19	15	16	20	43	30	30	19	5	8
Waseca	0	0	0	0	0	0	0	0	2	2	0	0
Washington	16	18	19	11	16	18	12	24	27	9	12	20
Watonwan	0	0	0	0	0	0	0	1	0	0	0	0
Wilkin	0	2	0	0	0	0	3	2	0	3	1	2
Winona	0	11	19	13	15	20	21	17	5	17	6	13
Wright	5	7	9	8	11	17	23	26	21	21	11	22
Yellow Medicine	0	0	0	0	0	0	7	9	0	3	0	2
Unknown	22	6	18	12	2	17	40	2	18	18	0	0
Totals	2,720	1,861	1,938	1,544	1,814	2,294	3,171	2,824	2,154	1,955	1,195	1,295

Table 18. Otter harvest by sex and week, 2017-18 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.28 - Nov.3	158	111	5	274	21.16	21.16
Nov.4 - Nov.10	118	79		197	15.21	36.37
Nov.11 - Nov.17	86	54		140	10.81	47.18
Nov.18 - Nov.24	77	50	2	129	9.96	57.14
Nov.25 - Dec.1	112	62	1	175	13.51	70.66
Dec.2 - Dec.8	79	47	1	127	9.81	80.46
Dec.9 - Dec.15	47	43	1	91	7.03	87.49
Dec.16 - Dec.22	51	25		76	5.87	93.36
Dec.23 - Dec.29	24	26	1	51	3.94	97.30
Dec.30 - Jan.7*	10	15	2	27	2.08	99.38
Unknown	3	5		8	0.62	100.00
Total	765	517	13	1,295	100%	

\* 9-day interval.

Table 19. Distribution of otter harvest\* among trappers, 1993-2017.

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
2016-17	270 (46)	135 (23)	80 (14)	101 (17)	586	2.0
2017-18	243 (41)	139 (23)	77 (13)	135 (23)	594	2.2

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

