

REGISTERED FURBEARER HARVEST STATISTICS

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REGISTERED FURBEARER HARVEST STATISTICS 2013-14 Report



Drawing by Gilbert Proulx

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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.

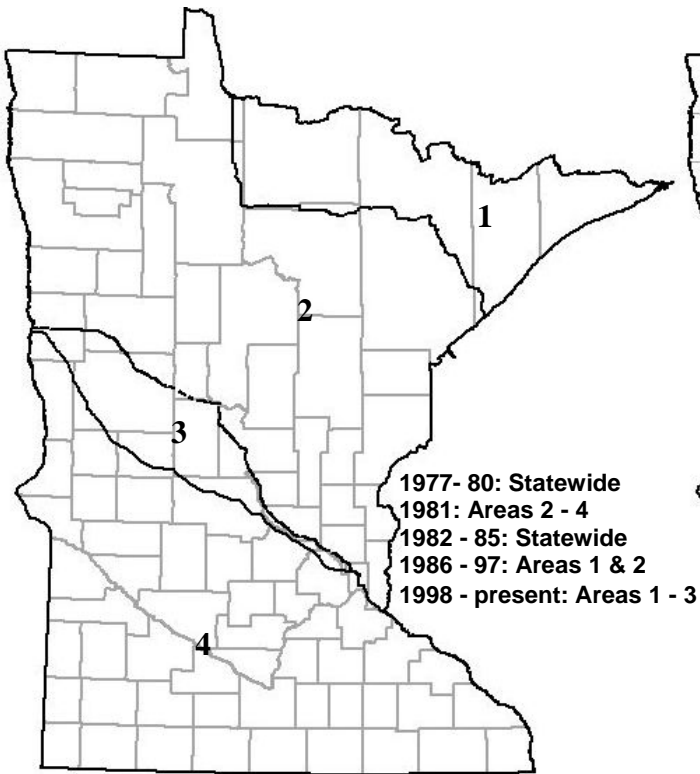
METHODS

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.

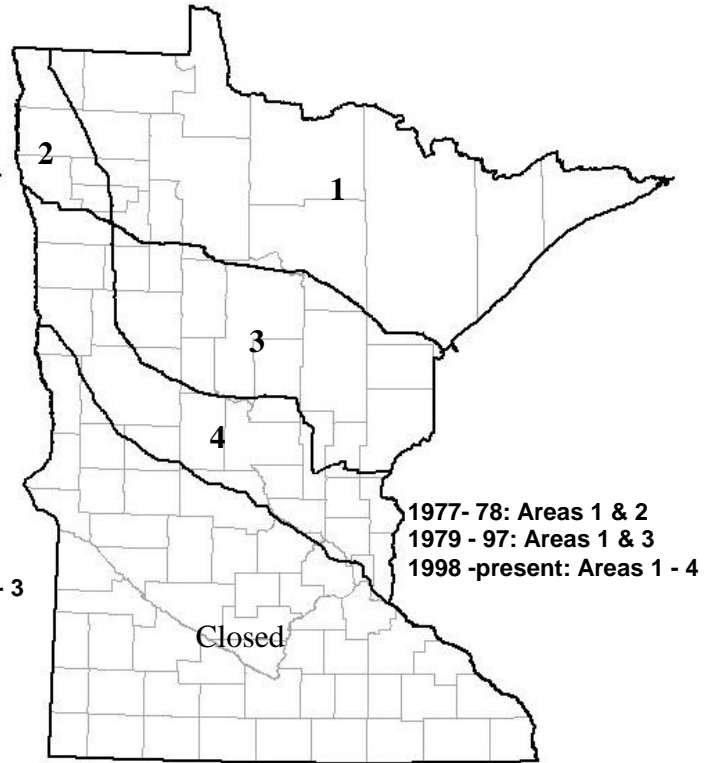
RESULTS

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). The only change from the 2012 season structure was a reduction in the combined fisher/marten limit from 5 (but not more than 2 fishers) down to a combined limit of 2.

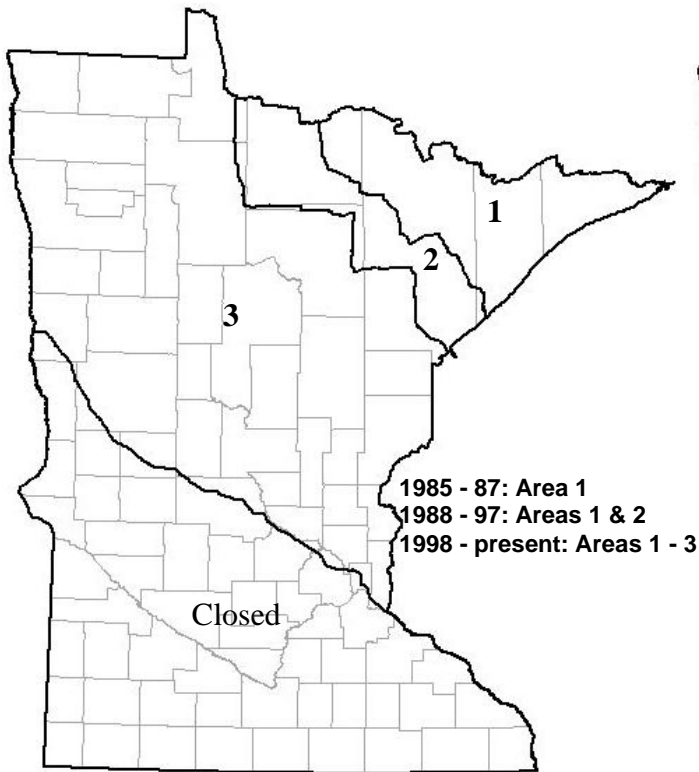
NOTE: This report does not include tribal harvests, or any confiscations.



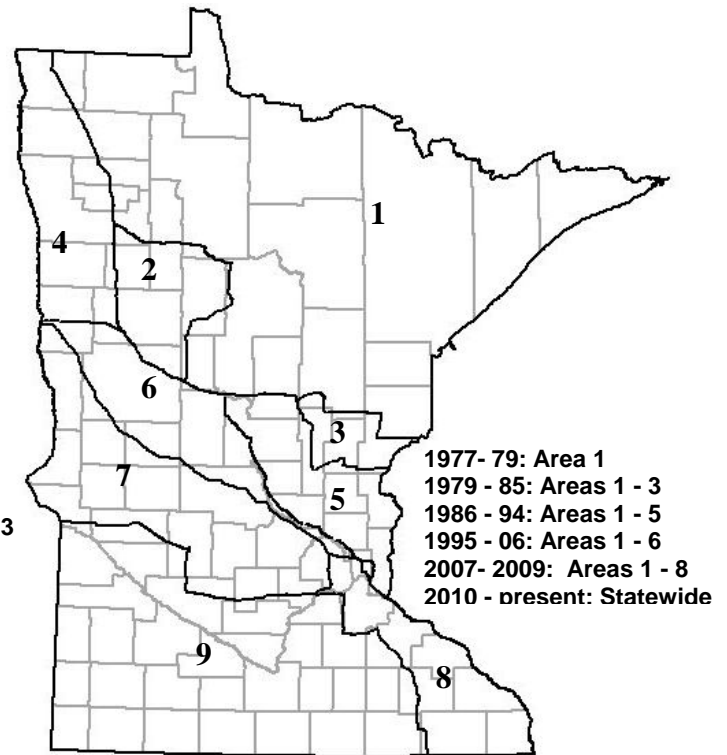
Bobcat



Fisher



Marten



Otter

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

Table 1. Registered furbearer seasons and harvests, 1985-2013.

Year	Season	Bobcat			Fisher				Marten				Otter			
		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

^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).

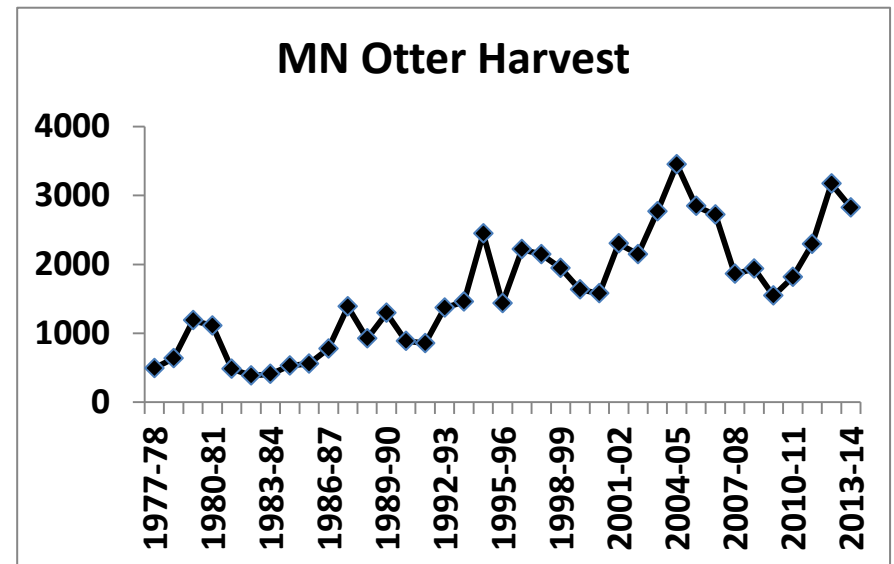
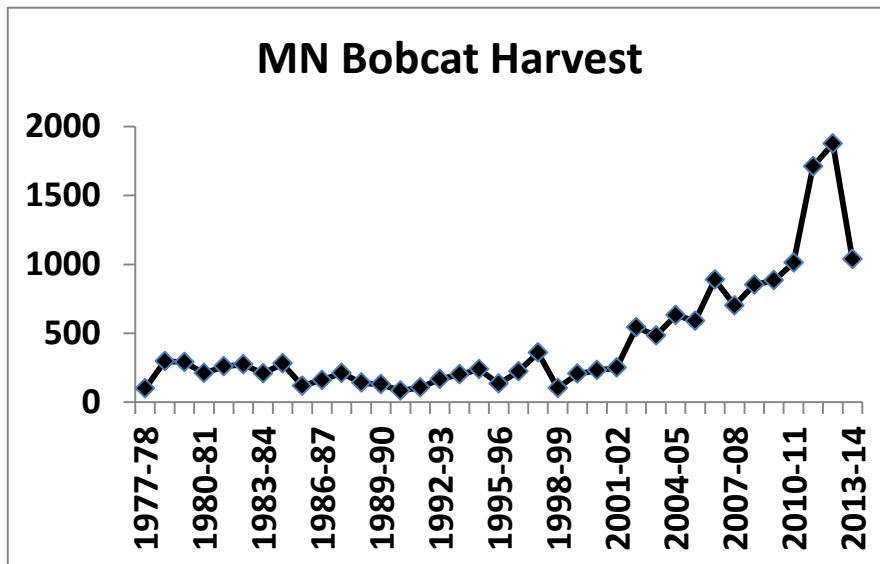
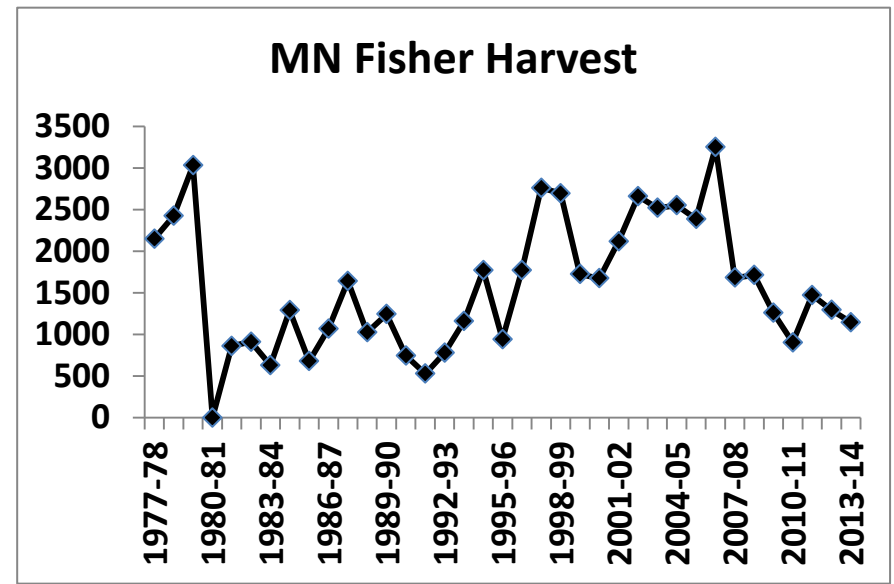
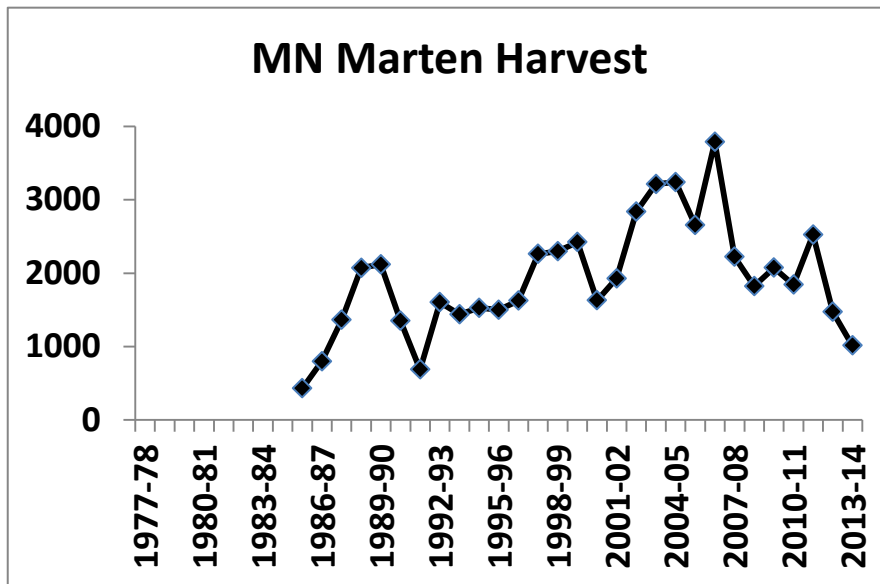


Figure 2. Harvest of registered furbearers in Minnesota, 1977-present.

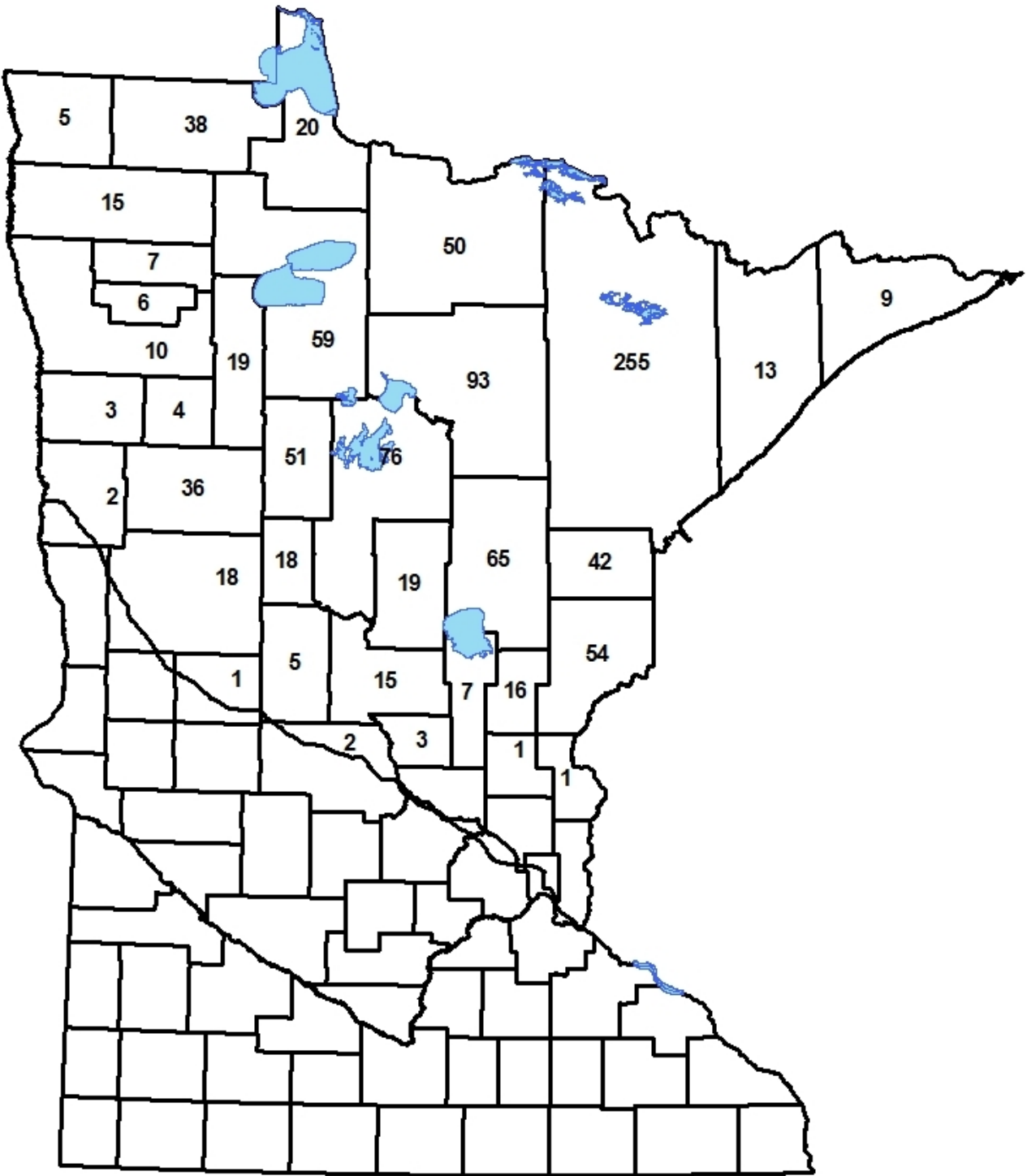


Figure 3. Bobcat harvest by county, 2013-14.

Table 2. Bobcat harvest by county and sex, 2013-14.

County	Sex*			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	29	36		65	3.26
Anoka	0	0		0	0.00
Becker	15	21		36	2.49
Beltrami	32	27		59	1.93
Benton	2	1		3	0.73
Carlton	21	21		42	4.80
Cass	29	47		76	3.15
Chisago	0	1		1	0.23
Clay	1	1		2	0.19
Clearwater	11	8		19	1.85
Cook	4	5		9	0.56
Crow Wing	9	9	1	19	1.64
Douglas	1	0		1	0.14
Hubbard	26	25		51	5.10
Isanti	1	0		1	0.22
Itasca	40	53		93	3.18
Kanabec	11	5		16	3.00
Kittson	2	3		5	0.45
Koochiching	15	35		50	1.59
Lake	3	10		13	0.57
Lake of the Woods	7	12	1	20	1.12
Mahnomen	1	3		4	0.69
Marshall	6	9		15	0.83
Mille Lacs	3	4		7	1.03
Morrison	5	10		15	1.30
Norman	1	1	1	3	0.34
Otter Tail	9	9		18	0.81
Pennington	1	6		7	1.13
Pine	25	28	1	54	3.77
Polk	6	4		10	0.50
Red Lake	3	3		6	1.39
Roseau	15	23		38	2.26
St. Louis	92	163		255	3.78
Sherburne	0	0		0	0.00
Stearns	2	0		2	0.14
Todd	1	4		5	0.51
Wadena	9	9		18	3.31
Unknown	0	0		0	
Total	438	596	4	1038	

* 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, 2003-2013.

County	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Aitkin	19	37	32	46	56	64	82	73	121	142	65
Anoka	0	0	0	0	0	0	0	0	1	0	0
Becker	19	28	19	46	24	37	25	39	70	58	36
Beltrami	47	66	34	90	33	49	70	108	139	139	59
Benton	0	0	0	0	1	5	2	0	4	3	3
Carlton	20	27	25	34	25	45	44	37	94	63	42
Cass	48	56	103	137	50	98	115	117	164	150	76
Chisago	0	0	0	0	3	0	0	1	0	3	1
Clay	1	0	0	0	0	0	1	3	1	3	2
Clearwater	19	18	18	42	25	43	27	30	58	40	19
Cook	1	2	3	0	0	1	0	1	3	3	9
Crow Wing	15	19	18	27	21	36	38	29	64	65	19
Douglas	0	0	0	0	0	0	0	0	0	1	1
Hubbard	21	35	22	69	40	49	81	59	129	105	51
Isanti	2	0	1	0	0	0	0	0	0	0	1
Itasca	76	93	68	113	86	72	106	132	186	194	93
Kanabec	9	17	11	14	16	23	11	16	21	46	16
Kittson	8	6	3	5	4	9	4	9	10	7	5
Koochiching	25	14	22	16	37	31	25	54	66	82	50
Lake	0	1	2	1	0	1	2	7	15	21	13
Lake of the Woods	4	6	3	2	9	12	16	10	28	13	20
Mahnomen	3	7	2	7	8	0	4	2	9	7	4
Marshall	14	20	16	19	32	18	15	31	42	44	15
Mille Lacs	4	11	9	8	13	11	10	10	13	23	7
Morrison	14	18	18	17	23	28	13	23	25	35	15
Norman	0	0	0	1	0	0	1	0	3	6	3
Otter Tail	0	5	1	7	9	7	7	14	21	38	18
Pennington	0	6	3	2	11	9	6	5	4	13	7
Pine	44	59	47	59	87	101	49	50	94	135	54
Polk	2	4	1	3	0	4	9	9	17	20	10
Red Lake	1	0	6	1	0	0	7	16	20	25	6
Roseau	28	27	28	36	32	18	19	26	46	60	38
St. Louis	25	37	44	45	39	58	56	81	202	283	255
Sherburne	0	0	0	0	0	0	1	0	3	0	0
Stearns	0	0	0	0	1	0	0	0	0	0	2
Todd	6	5	7	12	6	14	10	9	14	16	5
Wadena	8	3	17	16	9	7	21	9	17	23	18
Unknown	0	4	7	15	2	3	7	2	7	9	0
Total	483	631	590	890	702	853	884	1012	1711	1875	1038

Table 4. Bobcat harvest by sex and week, 2013-14 season.

Date	Sex*			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.30 - Dec.6	154	164	2	320	30.83	30.83
Dec.7 - Dec.13	71	98		169	16.28	47.11
Dec.14 - Dec.20	67	115		182	17.53	64.64
Dec.21 - Dec.27	73	105		178	17.15	81.79
Dec.28 - Jan.5**	64	107		171	16.47	98.27
Unknown	9	7	2	18	1.73	100.00
Total	438	596	4	1038	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, 1988-2013.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
1988-89	88 (82)	11 (10)	7 (7)	1 (1)	1 (1)	108
1989-90	56 (69)	13 (16)	5 (6)	3 (4)	4 (5)	81
1990-91	47 (77)	9 (15)	1 (2)	4 (7)	0 (0)	61
1991-92	42 (64)	15 (23)	4 (6)	3 (5)	2 (3)	66
1992-93	69 (64)	21 (20)	9 (9)	5 (5)	2 (2)	106
1993-94	90 (70)	17 (13)	13 (10)	7 (5)	2 (2)	201
1994-95	103 (68)	25 (17)	12 (8)	6 (4)	5 (3)	151
1995-96	67 (74)	13 (14)	5 (6)	4 (4)	2 (2)	91
1996-97	115 (73)	28 (18)	85 (5)	2 (1)	4 (3)	157
1997-98	129 (61)	43 (20)	17 (8)	12 (6)	9 (5)	210
1998-99	59 (77)	11 (14)	2 (3)	3 (4)	1 (2)	76
1999-00	113 (76)	21 (14)	10 (6)	4 (3)	1(1)	149
2000-01	99 (69)	23 (16)	7 (5)	5 (4)	9 (6)	143
2001-02	101 (71)	23 (16)	12 (8)	1 (1)	5 (4)	142
2002-03	185 (60)	64 (21)	33 (10)	15 (5)	12 (4)	309
2003-04	171 (64)	40 (15)	25 (10)	20 (7)	11 (4)	267
2004-05	193 (59)	55 (17)	32 (10)	25 (7)	24 (7)	329
2005-06	198 (60)	67 (20)	33 (10)	15 (5)	18 (5)	331
2006-07	265 (57)	90 (19)	44 (9)	25 (5)	42 (9)	466
2007-08	212 (58)	71 (19)	30 (8)	16 (4)	38 (10)	367
2008-09	236 (55)	88 (21)	43 (10)	25 (6)	37 (9)	429
2009-10	223 (53)	80 (19)	40 (9)	30 (7)	51 (12)	424
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

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

Table 6. Bobcat harvest by method of take, 1986-2013.

Year	Total	Trapping					Hunting				
	Harvest ^a	Harvest	% of Total	# Takers	Ave. Take	% Males ^b	Harvest	% of Total	# Takers	Ave. Take	% Males ^b
1986-87	160	119	74	89	1.3		41	26	31	1.3	
1987-88	214	177	83	118	1.5		37	17	26	1.4	
1988-89	140	94	67	76	1.2		46	33	32	1.4	
1989-90	129	90	70	49	1.8		39	30	28	1.4	
1990-91	83	61	73	43	1.4		22	27	17	1.3	
1991-92	102	59	58	31	1.9		43	42	33	1.3	
1992-93	168	133	79	85	1.6		35	21	23	1.5	
1993-94	201	147	73	88	1.7		54	27	41	1.3	
1994-95	238	189	79	120	1.6		49	21	31	1.6	
1995-96	134	73	54	53	1.4		61	46	38	1.6	
1996-97	203	133	66	91	1.5		70	34	53	1.3	
1997-98	357	313	88	176	1.8		44	12	34	1.3	
1998-99	103	95	92	67	1.4		8	8	8	1.0	
1999-00	206	155	75	114	1.4		51	25	36	1.4	
2000-01	231	140	61	85	1.6		91	39	58	1.6	
2001-02	250	208	83	116	1.8	41	42	17	27	1.6	68
2002-03	544	500	92	279	1.8	38	44	8	32	1.4	57
2003-04	483	415	86	230	1.8	46	68	14	40	1.7	65
2004-05	631	542	86	279	1.9	43	89	14	53	1.7	60
2005-06	583	435	75	250	1.7	37	148	25	85	1.7	65
2006-07	890	779	88	391	2.0	45	111	12	81	1.4	57
2007-08	702	524	75	266	2.0	40	178	25	110	1.6	48
2008-09	853	689	81	334	2.1	42	164	19	99	1.7	59
2009-10	884	736	83	340	2.2	43	148	17	91	1.6	58
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

^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

Table 7. Fisher harvest by county and sex, 2013 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	22	24	1	47	2.36
Anoka	1	0		1	0.22
Becker	18	20		38	2.63
Beltrami	12	5		17	0.56
Benton	1	1		2	0.48
Carlton	5	3		8	0.91
Cass	11	12		23	0.95
Chisago	3	1		4	0.90
Clay	4	1		5	0.47
Clearwater	5	7		12	1.17
Cook	7	6		13	0.81
Crow Wing	27	22	2	51	4.41
Douglas	4	4		8	1.11
Grant	0			0	0.00
Hubbard	4	6		10	1.00
Isanti	6	5		11	2.44
Itasca	55	61		116	3.97
Kanabec	16	14		30	5.63
Kittson	7	4		11	1.00
Koochiching	23	28		51	1.62
Lake	14	21		35	1.53
Lake of the Woods	9	4		13	0.73
Mahnomen	2	2		4	0.69
Marshall	9	8		17	0.94
Mille Lacs	9	8		17	2.50
Morrison	15	10		25	2.17
Norman	12	9		21	2.39
Otter Tail	57	57	3	117	5.26
Pennington	6	5		11	1.78
Pine	23	23		46	3.21
Polk	18	27		45	2.25
Red Lake	14	10		24	5.54
Roseau	24	18		42	2.50
St. Louis	107	113		220	3.27
Sherburne	1	1		2	0.44
Stearns	2	2		4	0.29
Todd	12	10		22	2.25
Wadena	15	8		23	4.23
Washington	0	0		0	0.00
Wilkin	0	0		0	0.00
Unknown	0	0		0	
Total	580	560	6	1,146	

Table 8. Comparison of fisher harvest by county, 2002-2013.

County	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Aitkin	122	124	96	97	156	67	75	50	35	55	52	47
Anoka	0	1	0	0	0	0	2	0	0	1	2	1
Becker	96	88	92	49	87	57	36	44	30	32	45	38
Beltrami	117	74	71	47	54	40	15	22	10	25	21	17
Benton	0	1	0	1	1	0	3	2	0	5	5	2
Carlton	48	42	40	35	49	13	19	15	12	12	14	8
Cass	225	205	186	149	209	80	77	57	43	41	37	23
Chisago	6	5	6	2	18	7	4	10	6	10	3	4
Clay	0	0	0	0	1	0	3	0	6	10	6	5
Clearwater	45	52	41	35	54	19	37	13	6	8	5	12
Cook	27	28	24	40	35	29	10	11	17	28	11	13
Crow Wing	106	106	113	79	140	81	116	42	48	64	55	51
Douglas	0	3	3	3	6	2	5	2	6	15	24	8
Grant	0	0	0	0	0	0	0	0	1	0	0	0
Hubbard	59	62	32	20	51	20	38	18	13	10	11	10
Isanti	0	0	2	3	5	1	5	9	1	4	6	11
Itasca	354	319	323	320	405	195	195	166	88	142	105	116
Kanabec	19	21	13	15	26	11	26	20	13	21	27	30
Kittson	3	11	2	7	2	5	8	5	7	5	9	11
Koochiching	178	171	179	209	221	105	115	96	51	116	80	51
Lake	72	74	87	85	87	49	54	49	45	56	53	35
Lake of the Woods	115	78	33	63	74	17	42	21	9	33	21	13
Mahnomen	16	14	13	9	27	25	6	3	0	3	0	4
Marshall	18	21	25	18	26	19	26	6	7	13	14	17
Mille Lacs	16	22	14	16	20	15	17	18	18	17	20	17
Morrison	6	3	7	5	23	21	14	10	8	10	24	25
Norman	1	1	11	6	4	9	12	7	4	10	19	21
Otter Tail	12	40	52	60	158	110	152	67	100	138	121	117
Pennington	10	18	42	22	22	16	8	2	4	8	8	11
Pine	44	54	56	42	82	39	74	30	26	22	42	46
Polk	46	65	47	38	72	61	49	31	25	54	58	45
Red Lake	15	16	29	34	32	29	23	23	10	17	16	24
Roseau	106	141	114	110	127	84	89	58	20	79	61	42
St. Louis	734	611	740	688	898	407	283	296	186	350	233	220
Sherburne	0	2	0	0	0	0	0	3	1	6	2	2
Stearns	0	0	1	0	0	0	1	1	0	4	1	4
Todd	5	14	18	23	21	13	33	22	18	15	29	22
Wadena	39	32	31	40	44	27	37	23	23	31	25	23
Washington	0	0	0	0	0	1	0	0	0	1	1	0
Wilkin	0	0	0	0	0	0	0	0	0	1	0	0
Unknown	0	2	9	18	14	8	3	7	6	1	27	0
Total	2,660	2,521	2,552	2,388	3,251	1,682	1,712	1,259	903	1,473	1,293	1,146

Table 9. Fisher harvest by date and sex, 2013 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 30	5	4		9	0.79	0.79
Dec. 1	149	152		301	26.27	27.05
Dec. 2	196	175	4	375	32.72	59.77
Dec. 3	128	124	1	253	22.08	81.85
Dec. 4	58	61	1	120	10.47	92.32
Dec. 5	31	27		58	5.06	97.38
Unknown	13	17		30	2.62	100%
Total	580	560	6	1,146	100%	

Table 10. Distribution of fisher harvest* among trappers, 1993-2013.

	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

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

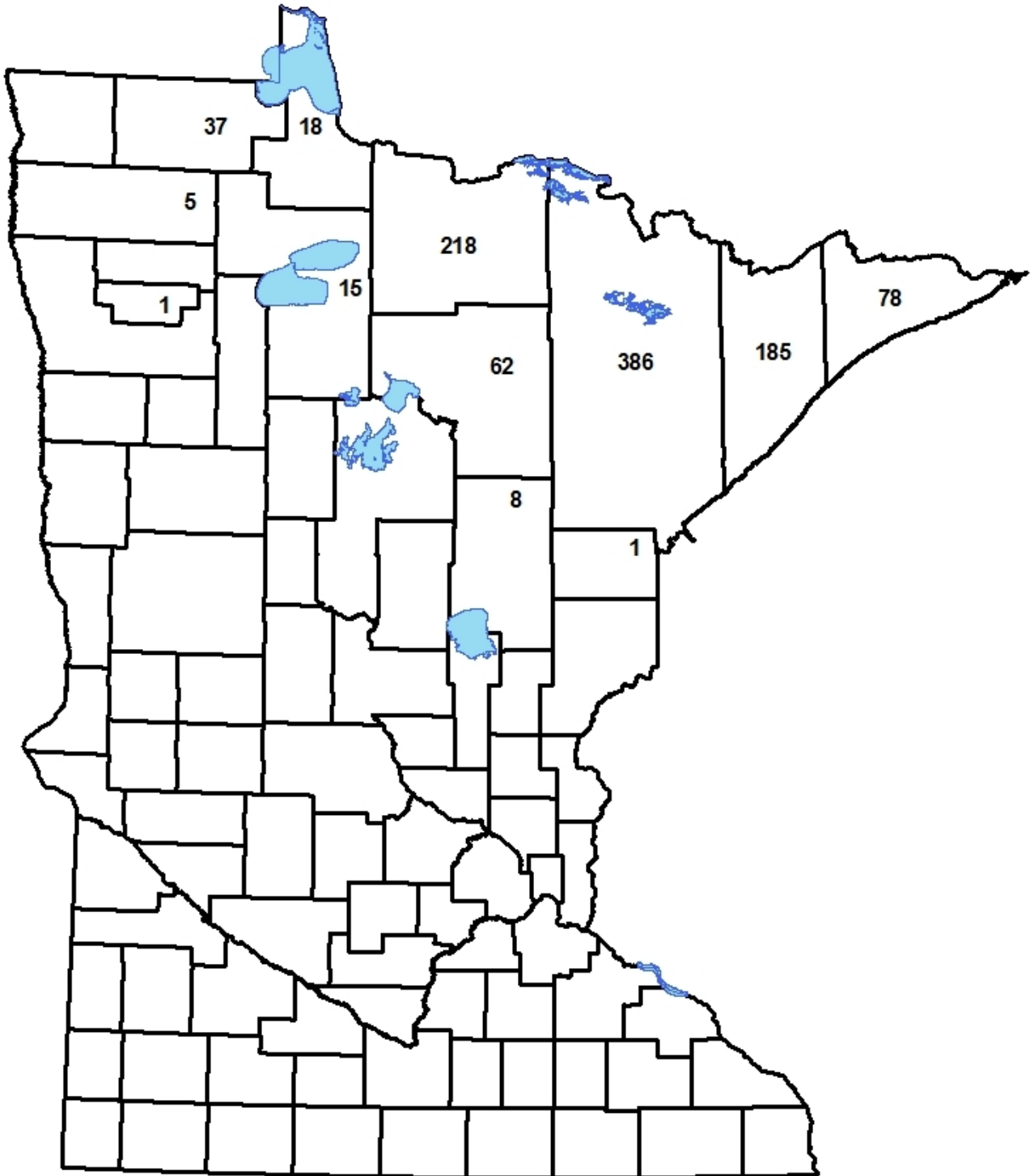


Figure 5. Marten harvest by county, 2013.

Table 11. Marten harvest by county and sex, 2013 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	4	4		8	0.40
Beltrami	8	7		15	0.49
Carlton	0	1		1	0.11
Cass	0	0		0	0.00
Clearwater	0	0		0	0.00
Cook	59	19		78	4.86
Crow Wing	0	0		0	0.00
Itasca	43	19		62	2.12
Kanabec	0	0		0	0.00
Kittson	0	0		0	0.00
Koochiching	129	89		218	6.91
Lake	111	74		185	8.09
Lake of the Woods	17	1		18	1.01
Mahnomen	0	0		0	0.00
Marshall	3	2		5	0.28
Pennington	0	0		0	0.00
Pine	0	0		0	0.00
Red Lake	1	0		1	0.23
Roseau	25	12		37	2.20
St. Louis	233	153		386	5.73
Unknown	0	0		0	
Total	633	381	0	1,014	

Table 12. Comparison of marten harvest by county in Minnesota, 2002-2013.

County	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Aitkin	5	6	6	6	13	4	12	5	4	13	10	8
Beltrami	30	38	65	17	19	8	6	10	2	11	20	15
Carlton	4	11	1	10	6	1	4	8	5	6	3	1
Cass	3	2	3	1	4	0	1	2	1	2	0	0
Clearwater	0	1	1	0	0	0	0	0	0	0	0	0
Cook	228	411	318	369	446	269	151	244	191	205	148	78
Crow Wing	0	0	0	0	0	0	0	1	0	1	0	0
Itasca	147	141	136	98	155	74	72	91	73	118	46	62
Kanabec	0	0	0	0	2	0	0	0	0	0	0	0
Kittson	0	0	0	0	0	0	0	0	1	0	4	0
Koochiching	525	534	549	418	592	348	300	354	336	516	276	218
Lake	492	541	551	536	892	520	438	496	491	577	290	185
Lake of the Woods	104	71	122	54	46	31	17	17	13	49	32	18
Mahnomen	0	0	2	0	0	0	0	0	0	0	0	0
Marshall	1	1	5	3	0	1	0	4	0	3	3	5
Pennington	0	0	0	0	0	1	0	0	0	0	0	0
Pine	0	1	2	1	1	1	0	0	1	0	0	0
Red Lake	0	0	0	0	0	0	0	0	0	0	1	1
Roseau	116	104	127	51	31	69	46	32	13	98	77	37
St. Louis	1,184	1,352	1,346	1,065	1,579	885	769	803	709	926	562	386
Unknown	0	0	7	24	2	9	7	6	2	0	0	0
Total	2,839	3,214	3,241	2,653	3,788	2,221	1,823	2,073	1,842	2,525	1,472	1,014

Table 13. Marten harvest by date and sex, 2013 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 24	4	1		5	0.49	0.49
Nov. 25	190	106		296	29.19	29.68
Nov. 26	165	118		283	27.91	57.59
Nov. 27	125	65		190	18.74	76.33
Nov. 28	75	47		122	12.03	88.36
Nov. 29	62	41		103	10.16	98.52
Unknown	12	3		15	1.48	100%
Total	633	381	0	1,014	100%	

Table 14. Distribution of marten harvest* among trappers, 1993-2013.

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

* 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, 2013. (Combined limit = 2)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		190	331			
	1	350	151				
	2	315					
	3						
	4						
	5						
						Total takers of at least 1 fisher or marten	1337

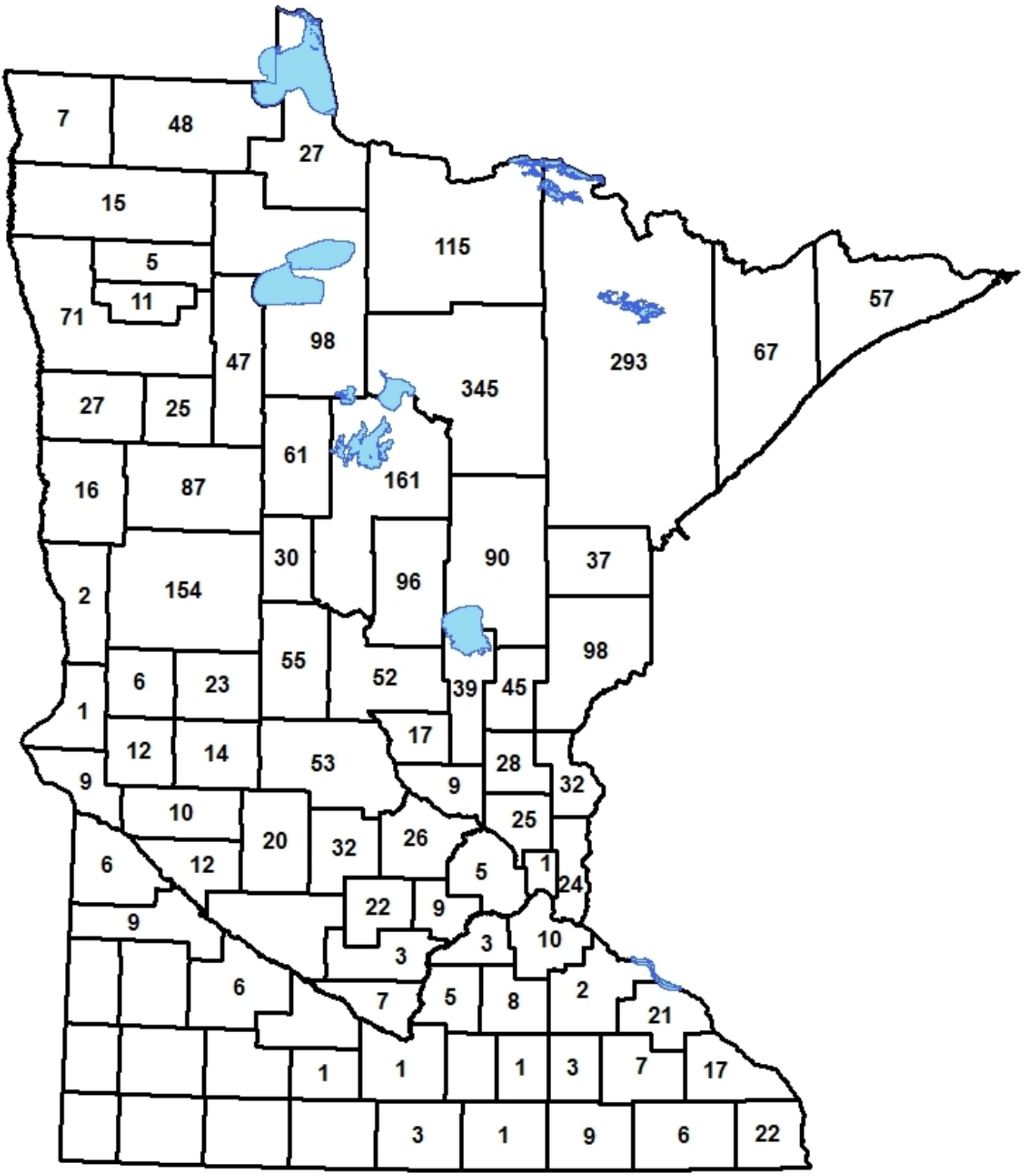


Figure 6. Otter harvest by county, 2013-14.

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

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	58	32		90	4.51
Anoka	14	11		25	5.61
Becker	53	34		87	6.02
Beltrami	53	44	1	98	3.21
Benton	11	6		17	4.12
Big Stone	5	4		9	1.70
Blue Earth	1	0		1	0.13
Carlton	20	17		37	4.23
Carver	7	2		9	2.40
Cass	99	60	2	161	6.67
Chippewa	8	4		12	2.04
Chisago	19	13		32	7.24
Clay	6	10		16	1.52
Clearwater	27	20		47	4.56
Cook	37	20		57	3.55
Crow Wing	57	39		96	8.30
Dakota	5	5		10	1.71
Dodge	2	1		3	0.68
Douglas	11	11	1	23	3.19
Faribault	1	2		3	0.42
Fillmore	4	2		6	0.70
Freeborn	0	1		1	0.14
Goodhue	0	2		2	0.26
Grant	2	4		6	1.04
Hennepin	3	2		5	0.82
Houston	9	13		22	3.87
Hubbard	24	37		61	6.10
Isanti	8	20		28	6.21
Itasca	148	197		345	11.79
Kanabec	13	32		45	8.44
Kandiyohi	8	11	1	20	2.32
Kittson	2	5		7	0.63
Koochiching	49	66		115	3.65
Lac Qui Parle	4	2		6	0.77
Lake	33	34		67	2.93
Lake of the Woods	9	16	2	27	1.52
Le Sueur	1	4		5	1.06
Lincoln	0	0		0	0.00
McLeod	11	11		22	4.35
Mahnomen	11	14		25	4.28
Marshall	7	7	1	15	0.83
Martin	0	0		0	0.00
Meeker	14	18		32	4.97
Mille Lacs	17	22		39	5.73
Morrison	21	31		52	4.51
Mower	2	7		9	1.27
Nicollet	3	4		7	1.50
Norman	14	13		27	3.08
Olmsted	4	3		7	1.07
Otter Tail	70	82	2	154	6.92
Pennington	2	3		5	0.81
Pine	47	50	1	98	6.84
Polk	34	37		71	3.55
Pope	8	6		14	1.95
Ramsey	0	1		1	0.59
Red Lake	4	7		11	2.54

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

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Redwood	1	5		6	0.68
Renville	0	0		0	0.00
Rice	1	7		8	1.55
Rock	0	0		0	0.00
Roseau	25	23		48	2.86
St. Louis	119	173	1	293	4.35
Scott	1	2		3	0.82
Sherburne	3	6		9	2.00
Sibley	0	3		3	0.50
Stearns	25	28		53	3.81
Steele	1	0		1	0.23
Stevens	5	7		12	2.08
Swift	3	7		10	1.33
Todd	24	30	1	55	5.62
Traverse	0	1		1	0.17
Wabasha	8	13		21	3.82
Wadena	14	16		30	5.52
Washington	6	18		24	5.67
Watonwan	1	0		1	0.23
Wilkin	2	0		2	0.27
Winona	8	9		17	2.65
Wright	11	15		26	3.64
Yellow Medicine	3	6		9	1.18
Unknown	1	1		2	
Total	1,342	1,469	13	2,824	

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

County	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Aitkin	78	87	113	132	124	53	65	54	59	107	111	90
Anoka	17	13	32	22	16	26	18	26	8	13	31	25
Becker	104	105	178	107	117	54	55	39	53	95	127	87
Beltrami	127	173	216	170	154	105	80	74	77	112	120	98
Benton	6	7	19	14	16	9	11	3	13	13	21	17
Big Stone	0	0	0	0	0	0	2	1	0	3	3	9
Blue Earth	0	0	0	0	0	0	0	0	0	2	3	1
Carlton	40	38	53	36	39	36	29	30	35	29	38	37
Carver	0	0	0	0	0	2	5	6	5	15	8	9
Cass	189	198	255	231	236	124	160	90	135	140	183	161
Chippewa	0	0	0	0	0	0	0	0	5	7	8	12
Chisago	18	22	20	28	33	16	15	18	23	19	24	32
Clay	7	7	15	18	35	8	14	7	23	42	23	16
Clearwater	61	52	62	48	41	39	35	19	38	41	46	47
Cook	31	41	56	46	39	13	12	16	19	36	55	57
Crow Wing	108	119	141	102	111	63	99	76	66	107	117	96
Dakota	0	0	0	0	0	0	5	7	1	0	11	10
Dodge	0	0	0	0	0	0	0	0	3	1	1	3
Douglas	0	12	27	16	30	18	28	11	14	34	37	23
Faribault	0	0	0	0	0	0	0	0	0	1	12	3
Fillmore	0	0	0	0	0	6	1	1	5	5	10	6
Freeborn	0	0	0	0	0	0	0	0	5	10	10	1
Goodhue	0	0	0	0	0	3	3	7	11	7	18	2
Grant	0	0	0	0	0	3	3	6	1	8	12	6
Hennepin	0	0	0	0	0	1	3	6	2	3	4	5
Houston	0	0	0	0	0	9	15	11	11	10	26	22
Hubbard	64	70	91	80	72	59	72	41	52	42	67	61
Isanti	33	27	35	38	30	30	17	18	14	9	18	28
Itasca	310	382	483	362	334	205	201	191	247	281	346	345
Kanabec	40	38	57	79	62	44	29	23	17	22	52	45
Kandiyohi	0	0	0	0	0	2	6	6	8	8	10	20
Kittson	2	3	3	3	5	11	2	3	8	2	9	7
Koochiching	96	164	167	131	118	70	95	61	81	62	127	115
Lac Qui Parle	0	0	0	0	0	0	0	0	2	6	15	6
Lake	57	81	88	65	60	35	34	45	28	36	66	67
Lake of the Woods	21	42	31	34	24	30	17	8	15	27	27	27
Le Sueur	0	0	0	0	0	0	0	0	3	0	9	5
Lincoln	0	0	0	0	0	0	0	0	0	0	4	0
McLeod	0	0	0	0	0	6	6	8	12	18	19	22
Mahnomen	7	23	24	29	26	24	7	7	9	20	15	25
Marshall	35	34	29	18	7	6	2	0	13	13	15	15

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

County	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Martin	0	0	0	0	0	0	0	0	0	0	1	0
Meeker	0	0	0	0	0	13	13	16	12	28	19	32
Mille Lacs	22	33	48	51	21	33	26	28	19	15	30	39
Morrison	36	46	64	77	60	45	43	31	29	29	52	52
Mower	0	0	0	0	0	0	0	0	8	20	14	9
Nicollet	0	0	0	0	0	0	0	0	2	1	5	7
Norman	4	1	16	17	11	9	17	11	12	21	45	27
Olmsted	0	0	0	0	0	0	2	3	2	3	0	7
Otter Tail	32	45	113	85	81	50	82	32	65	109	173	154
Pennington	12	16	18	33	15	9	0	1	4	2	12	5
Pine	61	78	99	51	111	50	74	37	38	44	66	98
Polk	63	72	104	45	47	32	25	19	36	49	83	71
Pope	0	0	0	0	0	11	12	12	11	20	22	14
Ramsey	0	0	0	0	0	0	0	0	0	0	3	1
Red Lake	27	35	58	26	30	19	8	20	22	19	26	11
Redwood	0	0	0	0	0	0	0	0	0	2	4	6
Renville	0	0	0	0	0	0	0	0	0	1	6	0
Rice	0	0	0	0	0	0	0	0	1	9	4	8
Rock	0	0	0	0	0	0	0	0	0	0	2	0
Roseau	27	72	69	60	53	32	53	23	32	33	64	48
St. Louis	316	483	508	428	344	290	251	233	253	239	363	293
Scott	0	0	0	0	0	3	3	1	4	2	4	3
Sherburne	11	24	25	15	29	26	10	17	7	19	12	9
Sibley	0	0	0	0	0	0	0	0	6	6	6	3
Stearns	17	13	22	21	33	9	38	24	13	41	53	53
Steele	0	0	0	0	0	0	0	0	1	0	3	1
Stevens	0	0	0	0	0	1	3	1	6	1	3	12
Swift	0	0	0	0	0	9	4	5	2	11	10	10
Todd	30	49	53	63	81	35	37	32	41	63	55	55
Traverse	0	0	0	0	0	1	0	2	0	1	4	1
Wabasha	0	0	0	0	0	15	7	18	7	8	20	21
Wadena	23	35	34	38	32	15	19	15	16	20	43	30
Washington	12	10	8	11	16	18	19	11	16	18	12	24
Watonwan	0	0	0	0	0	0	0	0	0	0	0	1
Wilkin	0	0	0	0	0	2	0	0	0	0	3	2
Winona	0	0	0	0	0	11	19	13	15	20	21	17
Wright	1	2	3	2	5	7	9	8	11	17	23	26
Yellow Medicine	0	0	0	0	0	0	0	0	0	0	7	9
Unknown	0	14	13	14	22	6	18	12	2	17	40	2
Totals	2,145	2,766	3,450	2,846	2,720	1,861	1,938	1,544	1,814	2,294	3,171	2,824

Table 18. Otter harvest by sex and week, 2013-14 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.26 - Nov.1	177	126	1	304	10.76	10.76
Nov.2 - Nov.8	397	306	5	708	25.07	35.84
Nov.9 - Nov.15	313	185		498	17.63	53.47
Nov.16 - Nov.22	198	173		371	13.14	66.61
Nov.23 - Nov.29	159	122	1	282	9.99	76.59
Nov.30 - Dec.6	165	113	5	283	10.02	86.61
Dec.7 - Dec.13	52	56	1	109	3.86	90.47
Dec.14 - Dec.20	68	32		100	3.54	94.02
Dec.21 - Dec.27	59	35		94	3.33	97.34
Dec.28 - Jan.5*	33	31		64	2.27	99.61
Unknown	8	3		11	0.39	100%
Total	1,629	1,182	13	2,824	100%	

* 9-day interval.

Table 19. Distribution of otter harvest* among trappers, 1993-2013.

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

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