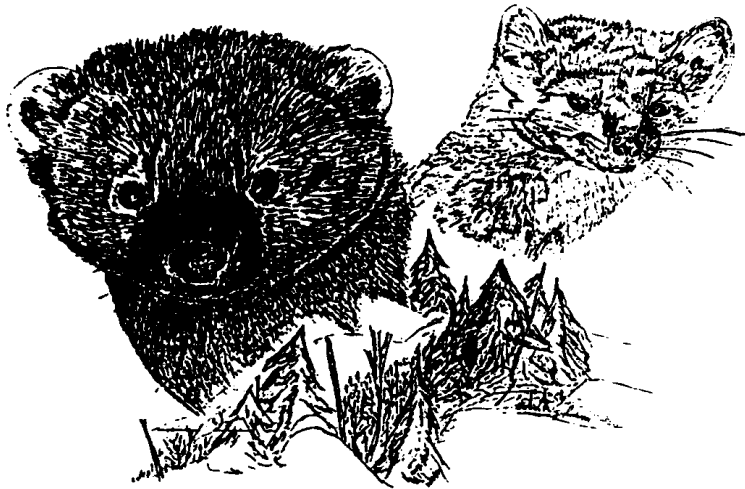


REGISTERED FURBEARER HARVEST STATISTICS

2012-13 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 – fisher, marten, bobcat, and river otter. 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 35 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 2011 season structure was a reduction in the length of the fisher/marten season from 9 days to 6 days. All harvest summaries are provided in the following tables.

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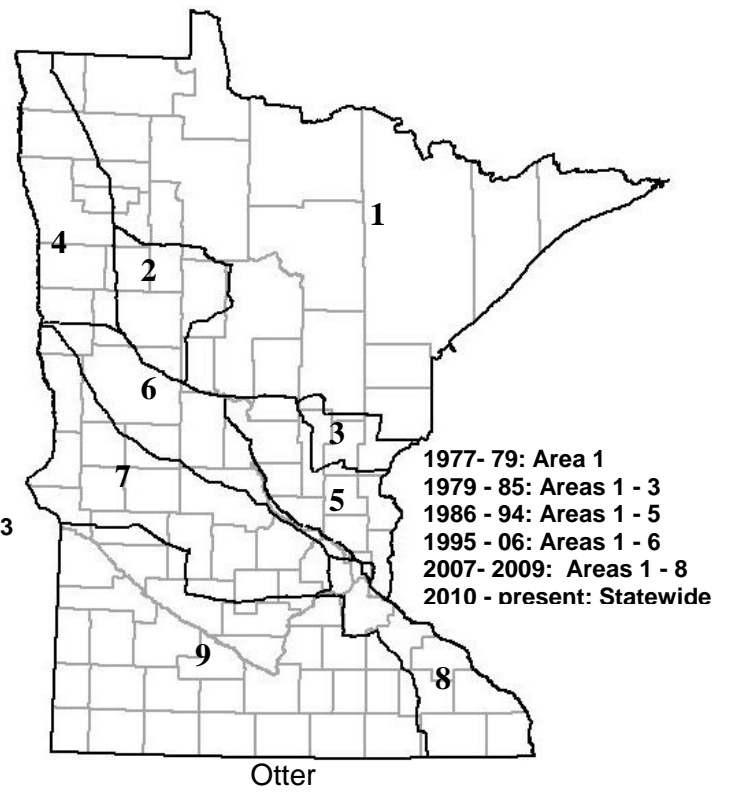
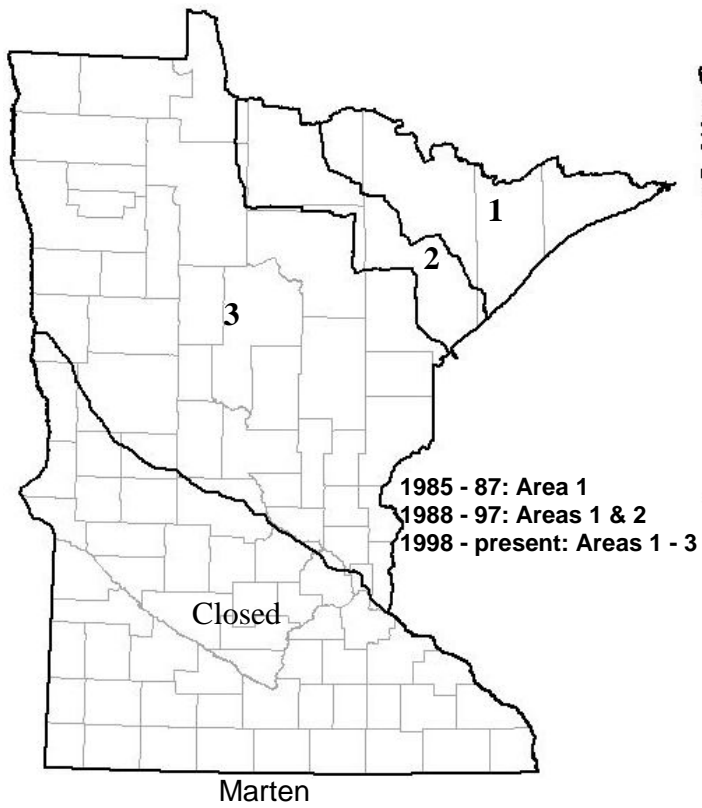
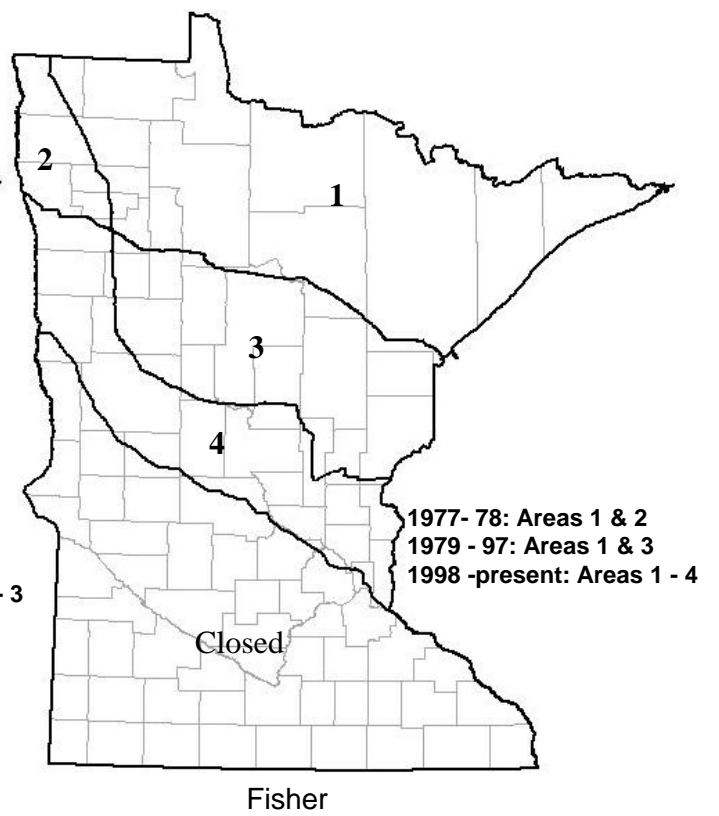
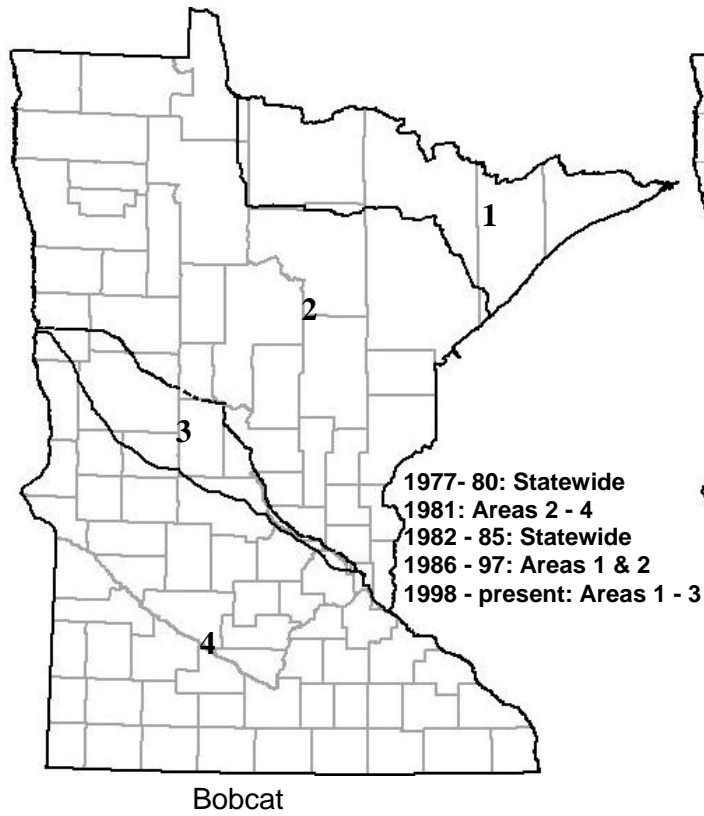


Figure 1. Open trapping areas for fisher, marten, bobcat, and otter, 1977 - present.

Table 1. Registered furbearer seasons and harvests, 1984-2012.

Year	Bobcat				Fisher				Marten				Otter			
	Season	Days	Limit	Harvest	Season	Days	Limit	Harvest	Season	Days	Limit	Harvest	Season ^a	Days	Limit	Harvest
1984-85	12/1-1/20	51	5	280	12/1-12/16	16	1	1289	CLOSED				11/17-12/1	15	2	529
1985-86	11/30-1/19	51	5	119	11/30-12/15	16	1	678	11/30-12/15	16	1	430	11/16-12/15	30	3	559
1986-87	11/29 -1/3	36	5	160	11/29-12/14	16	1	1067	11/29-12/14	16	1	798	11/1-11/30	30	3	777
1987-88	11/28-1/3	37	5	212	11/28-12/13	16	1	1641	11/28-12/13	16	1	1363	10/24-11/29	37	3	1386
1988-89	11/26-1/1	37	5	141	11/26-12/11	16	1	1025	11/26-12/11	16	2	2072	10/29-11/27	30	3	922
1989-90	12/2-1/7	37	5	129	12/2-12/17	16	1	1243	12/2-12/17	16	2	2119	10/28-12/17	51	3	1294
1990-91	12/1-1/6	37	5	84	12/1-12/16	16	1	746	12/1-12/16	16	2	1349	10/27-1/6	71	3	888
1991-92	11/30-1/5	37	5	106	11/30-12/15	16	1	528	11/30-12/15	16	1	686	10/26-1/5	71	3	855
1992-93	11/28-1/3	37	5	168	11/28-12/13	16	1	778	11/28-12/13	16	2	1602	10/24-1/3	71	4	1368
1993-94	12/4-1/9	37	5	201	12/4-12/19	16	2	1159	12/4-12/19	16	2	1438	10/23-1/9	78	4	1459
1994-95	12/3-1/8	37	5	238	12/3-12/18	16	2	1772	12/3-12/18	16	2	1527	10/29-1/8	71	4	2445
1995-96	12/2-1/7	37	5	134	12/2-12/17	16	2	942	12/2-12/17	16	2	1500	10/28-1/7	71	4	1435
1996-97	11/30 -1/5	37	5	223	11/30-12/15	16	2	1773	11/30-12/15	16	2	1625	10/26-1/5	71	4	2219
1997-98	11/29-1/4	37	5	359	11/29-12/14	16	2	2761	11/29-12/14	16	2	2261	10/25-1/4	71	4	2145
1998-99	11/28-12/13	16	5	103	11/28-12/13	16	2	2695	11/28-12/13	16	2	2299	10/24-1/3	71	4	1946
1999-00	12/4-1/9	37	5	206	12/4-12/19	16	2	1725	12/4-12/19	16	4	2423	10/23-1/9	78	4	1635
2000-01	12/2-1/7	37	5	231	12/2-12/17	16	4	1674	12/2-12/17	16	4	1629	10/28-1/7	71	4	1578
2001-02	11/24-1/6	44	5	250	11/24-12/9	16	4	2119	11/24-12/9	16	4	1928	10/27-1/6	71	4	2301
2002-03	11/30-1/5	37	5	544	11/30-12/15	16	5	2660	11/30-12/15	16	5	2839	10/26-1/5	71	4	2145
2003-04	11/29-1/4	37	5	483	11/29-12/14	16	5	2521	11/29-12/14	16	5	3214	10/25-1/4	71	4	2766
2004-05	11/27-1/9	44	5	631	11/27-12/12	16	5	2552	11/27-12/12	16	5	3241	10/23-1/9	78	4	3450
2005-06	11/26-1/8	44	5	590	11/26-12/11	16	5	2388	11/26-12/11	16	5	2653	10/29-1/8	71	4	2846
2006-07	11/25-1/7	44	5	890	11/25-12/10	16	5	3251	11/25-12/10	16	5	3788	10/28-1/7	71	4	2720
2007-08	11/24-1/6	44	5	702	11/24-12/2	9	5	1682	11/24-12/2	9	5	2221	10/27-1/6	71	2/4	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

^a In some years, otter season opens 1 week earlier in a north zone as compared to a south zone. Otter season dates in this table reflect the start of the north zone.

^b 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).

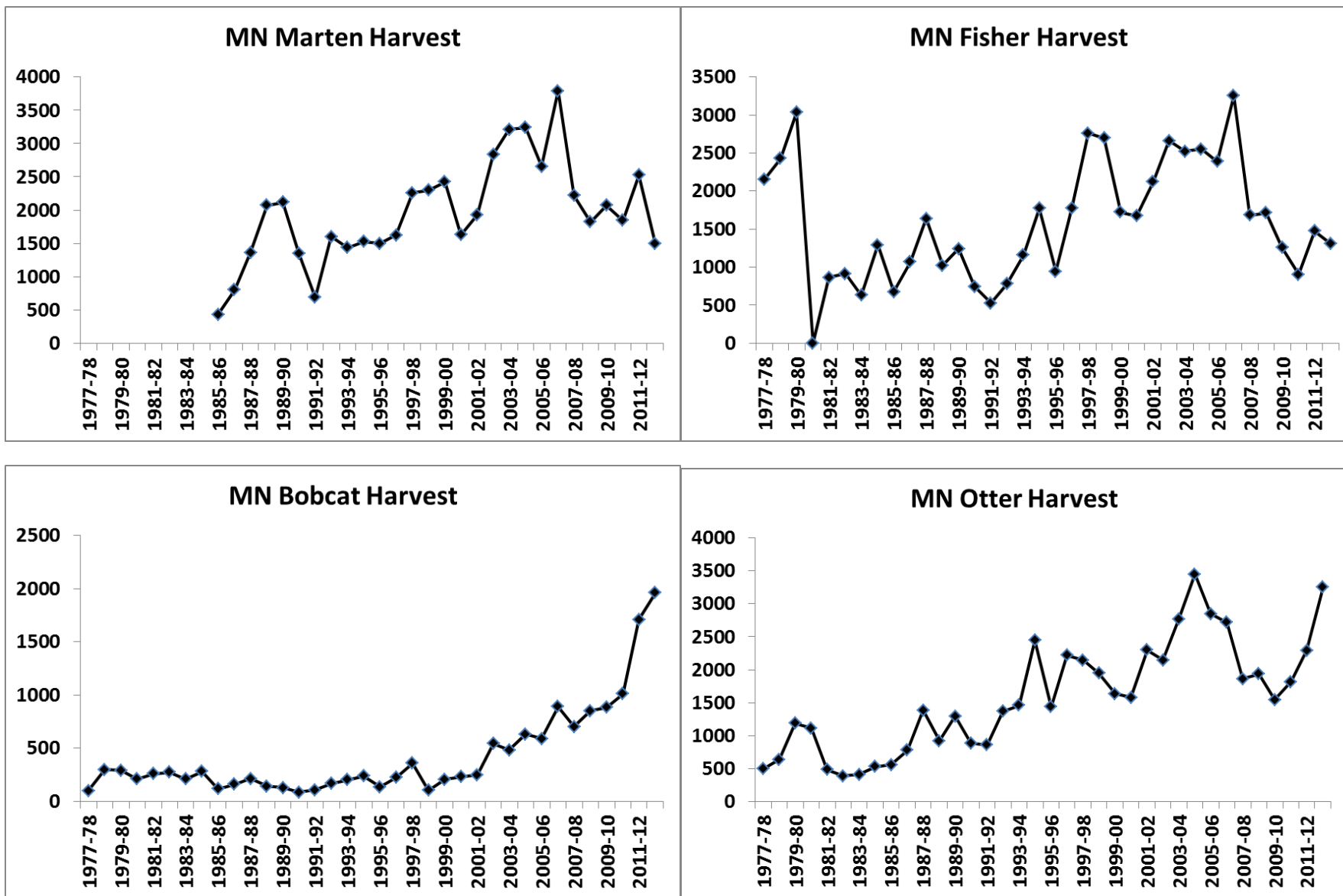


Figure 2. Harvest of registered furbearers in Minnesota, 1977-present.

Table 2. Bobcat harvest by county and sex, 2012-13.

County	Sex*			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	56	86		142	7.12
Anoka	0	0		0	0.00
Becker	31	27		58	4.01
Beltrami	74	65		139	4.55
Benton	1	2		3	0.73
Carlton	33	30		63	7.20
Cass	55	95		150	6.22
Chisago	2	1		3	0.68
Clay	1	2		3	0.28
Clearwater	21	19		40	3.88
Cook	2	1		3	0.19
Crow Wing	30	35		65	5.62
Douglas	0	1		1	0.14
Hubbard	57	47	1	105	10.51
Isanti	0	0		0	0.00
Itasca	84	110		194	6.63
Kanabec	18	28		46	8.63
Kittson	3	4		7	0.63
Koochiching	29	53		82	2.60
Lake	7	14		21	0.92
Lake of the Woods	6	6	1	13	0.73
Mahnomen	4	3		7	1.20
Marshall	22	22		44	2.43
Mille Lacs	12	11		23	3.38
Morrison	15	20		35	3.04
Norman	5	1		6	0.68
Otter Tail	24	14		38	1.71
Pennington	4	9		13	2.10
Pine	68	67		135	9.42
Polk	10	10		20	1.00
Red Lake	13	12		25	5.77
Roseau	30	30		60	3.57
St. Louis	141	140	2	283	4.20
Sherburne	0	0		0	0.00
Stearns	0	0		0	0.00
Todd	6	10		16	1.63
Wadena	9	13	1	23	4.23
Unknown	5	4		9	
Total	878	992	5	1875	

* 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, 2002-2012.

County	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Aitkin	35	19	37	32	46	56	64	82	73	121	142
Anoka	0	0	0	0	0	0	0	0	0	1	0
Becker	26	19	28	19	46	24	37	25	39	70	58
Beltrami	63	47	66	34	90	33	49	70	108	139	139
Benton	0	0	0	0	0	1	5	2	0	4	3
Carlton	11	20	27	25	34	25	45	44	37	94	63
Cass	59	48	56	103	137	50	98	115	117	164	150
Chisago	1	0	0	0	0	3	0	0	1	0	3
Clay	0	1	0	0	0	0	0	1	3	1	3
Clearwater	24	19	18	18	42	25	43	27	30	58	40
Cook	1	1	2	3	0	0	1	0	1	3	3
Crow Wing	20	15	19	18	27	21	36	38	29	64	65
Douglas	0	0	0	0	0	0	0	0	0	0	1
Hubbard	31	21	35	22	69	40	49	81	59	129	105
Isanti	0	2	0	1	0	0	0	0	0	0	0
Itasca	74	76	93	68	113	86	72	106	132	186	194
Kanabec	10	9	17	11	14	16	23	11	16	21	46
Kittson	5	8	6	3	5	4	9	4	9	10	7
Koochiching	23	25	14	22	16	37	31	25	54	66	82
Lake	0	0	1	2	1	0	1	2	7	15	21
Lake of the Woods	6	4	6	3	2	9	12	16	10	28	13
Mahnomen	0	3	7	2	7	8	0	4	2	9	7
Marshall	24	14	20	16	19	32	18	15	31	42	44
Mille Lacs	10	4	11	9	8	13	11	10	10	13	23
Morrison	6	14	18	18	17	23	28	13	23	25	35
Norman	0	0	0	0	1	0	0	1	0	3	6
Otter Tail	0	0	5	1	7	9	7	7	14	21	38
Pennington	1	0	6	3	2	11	9	6	5	4	13
Pine	49	44	59	47	59	87	101	49	50	94	135
Polk	2	2	4	1	3	0	4	9	9	17	20
Red Lake	1	1	0	6	1	0	0	7	16	20	25
Roseau	22	28	27	28	36	32	18	19	26	46	60
St. Louis	30	25	37	44	45	39	58	56	81	202	283
Sherburne	0	0	0	0	0	0	0	1	0	3	0
Stearns	0	0	0	0	0	1	0	0	0	0	0
Todd	3	6	5	7	12	6	14	10	9	14	16
Wadena	7	8	3	17	16	9	7	21	9	17	23
Unknown	0	0	4	7	15	2	3	7	2	7	9
Total	544	483	631	590	890	702	853	884	1012	1711	1875

Table 4. Bobcat harvest by sex and week, 2012-13 season.

Date	Sex [*]			Total	% of Total	Cumulative %
	Male	Female	Unknown			
Nov.24 - Nov.30	137	154	2	293	15.63	15.63
Dec.1 - Dec.7	151	162	1	314	16.75	32.37
Dec.8 - Dec.14	155	155		310	16.53	48.91
Dec.15 - Dec.21	145	180	1	326	17.39	66.29
Dec.22 - Dec.28	126	164	1	291	15.52	81.81
Dec.29 - Jan.6**	148	165		313	16.69	98.51
Unknown	16	12		28	1.49	100%
Total	878	992	5	1875	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, 1987-2012.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
1987-88	104 (72)	23 (16)	10 (7)	6 (4)	2 (1)	145
1988-89	88 (82)	11 (10)	7 (7)	1 (1)	1 (1)	108
1989-90	56 (69)	13 (16)	5 (6)	3 (4)	4 (5)	81
1990-91	47 (77)	9 (15)	1 (2)	4 (7)	0 (0)	61
1991-92	42 (64)	15 (23)	4 (6)	3 (5)	2 (3)	66
1992-93	69 (64)	21 (20)	9 (9)	5 (5)	2 (2)	106
1993-94	90 (70)	17 (13)	13 (10)	7 (5)	2 (2)	201
1994-95	103 (68)	25 (17)	12 (8)	6 (4)	5 (3)	151
1995-96	67 (74)	13 (14)	5 (6)	4 (4)	2 (2)	91
1996-97	115 (73)	28 (18)	85 (5)	2 (1)	4 (3)	157
1997-98	129 (61)	43 (20)	17 (8)	12 (6)	9 (5)	210
1998-99	59 (77)	11 (14)	2 (3)	3 (4)	1 (2)	76
1999-00	113 (76)	21 (14)	10 (6)	4 (3)	1(1)	149
2000-01	99 (69)	23 (16)	7 (5)	5 (4)	9 (6)	143
2001-02	101 (71)	23 (16)	12 (8)	1 (1)	5 (4)	142
2002-03	185 (60)	64 (21)	33 (10)	15 (5)	12 (4)	309
2003-04	171 (64)	40 (15)	25 (10)	20 (7)	11 (4)	267
2004-05	193 (59)	55 (17)	32 (10)	25 (7)	24 (7)	329
2005-06	198 (60)	67 (20)	33 (10)	15 (5)	18 (5)	331
2006-07	265 (57)	90 (19)	44 (9)	25 (5)	42 (9)	466
2007-08	212 (58)	71 (19)	30 (8)	16 (4)	38 (10)	367
2008-09	236 (55)	88 (21)	43 (10)	25 (6)	37 (9)	429
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

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

Table 6. Bobcat harvest by method of take, 1985-2012.

Year	Total Harvest ^a	Trapping				Hunting					
		Harvest	% of Total	# Takers	Ave. Take	% Males ^b	Harvest	% of Total	# Takers	Ave. Take	% Males ^b
1985-86	119	83	70	62	1.3		36	30	27	1.3	
1986-87	160	119	74	89	1.3		41	26	31	1.3	
1987-88	214	177	83	118	1.5		37	17	26	1.4	
1988-89	140	94	67	76	1.2		46	33	32	1.4	
1989-90	129	90	70	49	1.8		39	30	28	1.4	
1990-91	83	61	73	43	1.4		22	27	17	1.3	
1991-92	102	59	58	31	1.9		43	42	33	1.3	
1992-93	168	133	79	85	1.6		35	21	23	1.5	
1993-94	201	147	73	88	1.7		54	27	41	1.3	
1994-95	238	189	79	120	1.6		49	21	31	1.6	
1995-96	134	73	54	53	1.4		61	46	38	1.6	
1996-97	203	133	66	91	1.5		70	34	53	1.3	
1997-98	357	313	88	176	1.8		44	12	34	1.3	
1998-99	103	95	92	67	1.4		8	8	8	1.0	
1999-00	206	155	75	114	1.4		51	25	36	1.4	
2000-01	231	140	61	85	1.6		91	39	58	1.6	
2001-02	250	208	83	116	1.8	41	42	17	27	1.6	68
2002-03	544	500	92	279	1.8	38	44	8	32	1.4	57
2003-04	483	415	86	230	1.8	46	68	14	40	1.7	65
2004-05	631	542	86	279	1.9	43	89	14	53	1.7	60
2005-06	583	435	75	250	1.7	37	148	25	85	1.7	65
2006-07	890	779	88	391	2.0	45	111	12	81	1.4	57
2007-08	702	524	75	266	2.0	40	178	25	110	1.6	48
2008-09	853	689	81	334	2.1	42	164	19	99	1.7	59
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

^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

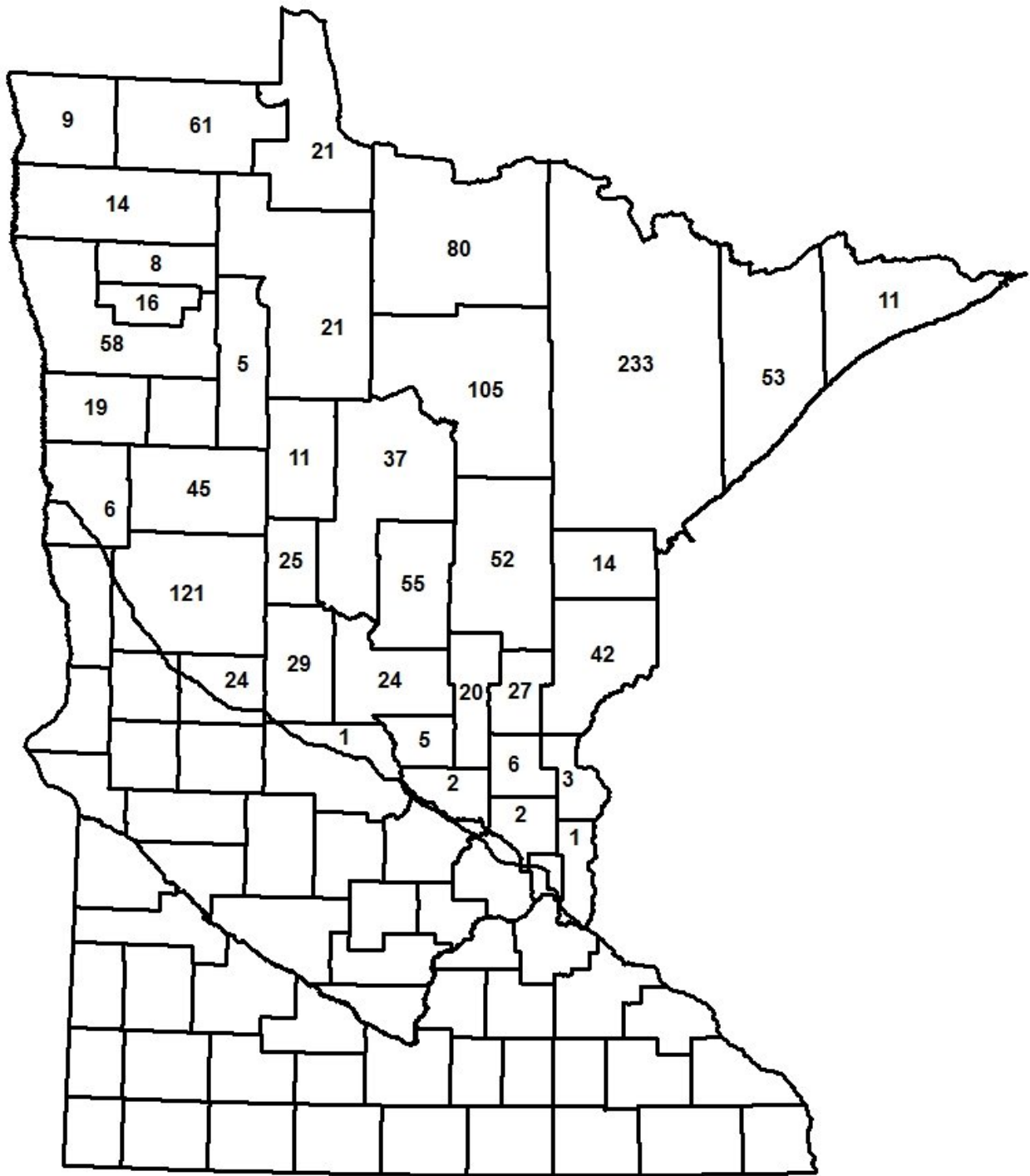


Figure 4. Fisher harvest by county, 2012.

Table 7. Fisher harvest by county and sex, 2012 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	29	23		52	2.61
Anoka	2	0		2	0.45
Becker	24	21		45	3.11
Beltrami	11	10		21	0.69
Benton	2	3		5	1.21
Carlton	9	5		14	1.60
Cass	17	20		37	1.53
Chisago	2	1		3	0.68
Clay	5	1		6	0.57
Clearwater	4	1		5	0.49
Cook	5	6		11	0.69
Crow Wing	30	25		55	4.76
Douglas	10	14		24	3.33
Grant	0	0		0	0.00
Hubbard	8	3		11	1.10
Isanti	1	5		6	1.33
Itasca	59	46		105	3.59
Kanabec	14	13		27	5.06
Kittson	5	4		9	0.81
Koochiching	44	36		80	2.54
Lake	27	26		53	2.32
Lake of the Woods	12	8	1	21	1.18
Mahnomen	0	0		0	0.00
Marshall	10	4		14	0.77
Mille Lacs	8	12		20	2.94
Morrison	15	8	1	24	2.08
Norman	10	9		19	2.17
Otter Tail	69	52		121	5.44
Pennington	3	5		8	1.29
Pine	30	12		42	2.93
Polk	30	27	1	58	2.90
Red Lake	7	9		16	3.69
Roseau	38	23		61	3.63
St. Louis	107	126		233	3.46
Sherburne	2	0		2	0.44
Stearns	0	1		1	0.07
Todd	24	5		29	2.96
Wadena	9	16		25	4.60
Washington	1	0		1	0.24
Wilkin	0	0		0	0.00
Unknown	12	14	1	27	
Total	695	594	4	1,293	

Table 8. Comparison of fisher harvest by county, 2001-2012.

County	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Aitkin	103	122	124	96	97	156	67	75	50	35	55	52
Anoka	0	0	1	0	0	0	0	2	0	0	1	2
Becker	46	96	88	92	49	87	57	36	44	30	32	45
Beltrami	73	117	74	71	47	54	40	15	22	10	25	21
Benton	0	0	1	0	1	1	0	3	2	0	5	5
Carlton	37	48	42	40	35	49	13	19	15	12	12	14
Cass	134	225	205	186	149	209	80	77	57	43	41	37
Chisago	2	6	5	6	2	18	7	4	10	6	10	3
Clay	0	0	0	0	0	1	0	3	0	6	10	6
Clearwater	45	45	52	41	35	54	19	37	13	6	8	5
Cook	33	27	28	24	40	35	29	10	11	17	28	11
Crow Wing	82	106	106	113	79	140	81	116	42	48	64	55
Douglas	0	0	3	3	3	6	2	5	2	6	15	24
Grant	0	0	0	0	0	0	0	0	0	1	0	0
Hubbard	64	59	62	32	20	51	20	38	18	13	10	11
Isanti	0	0	0	2	3	5	1	5	9	1	4	6
Itasca	298	354	319	323	320	405	195	195	166	88	142	105
Kanabec	4	19	21	13	15	26	11	26	20	13	21	27
Kittson	7	3	11	2	7	2	5	8	5	7	5	9
Koochiching	156	178	171	179	209	221	105	115	96	51	116	80
Lake	54	72	74	87	85	87	49	54	49	45	56	53
Lake of the Woods	48	115	78	33	63	74	17	42	21	9	33	21
Mahnomen	12	16	14	13	9	27	25	6	3	0	3	0
Marshall	19	18	21	25	18	26	19	26	6	7	13	14
Mille Lacs	3	16	22	14	16	20	15	17	18	18	17	20
Morrison	1	6	3	7	5	23	21	14	10	8	10	24
Norman	0	1	1	11	6	4	9	12	7	4	10	19
Otter Tail	1	12	40	52	60	158	110	152	67	100	138	121
Pennington	4	10	18	42	22	22	16	8	2	4	8	8
Pine	29	44	54	56	42	82	39	74	30	26	22	42
Polk	24	46	65	47	38	72	61	49	31	25	54	58
Red Lake	16	15	16	29	34	32	29	23	23	10	17	16
Roseau	180	106	141	114	110	127	84	89	58	20	79	61
St. Louis	608	734	611	740	688	898	407	283	296	186	350	233
Sherburne	0	0	2	0	0	0	0	0	3	1	6	2
Stearns	0	0	0	1	0	0	0	1	1	0	4	1
Todd	2	5	14	18	23	21	13	33	22	18	15	29
Wadena	31	39	32	31	40	44	27	37	23	23	31	25
Washington	0	0	0	0	0	0	1	0	0	0	1	1
Wilkin	0	0	0	0	0	0	0	0	0	0	1	0
Unknown	1	0	2	9	18	14	8	3	7	6	1	27
Total	2,117	2,660	2,521	2,552	2,388	3,251	1,682	1,712	1,259	903	1,473	1,293

Table 9. Fisher harvest by date and sex, 2012 season.

Date	Sex			Total	% of Known	Cumulative
	Male	Female	Unknown		Total	%
Nov. 24	0	0	0	0	0.00	0.00
Nov. 25	0	0	0	0	0.00	0.00
Nov. 26	178	166	1	345	26.68	26.68
Nov. 27	128	124		252	19.49	46.17
Nov. 28	121	78		199	15.39	61.56
Nov. 29	80	77	1	158	12.22	73.78
Unknown	188	149	2	339	26.22	100%
Total	695	594	4	1,293	100%	

Table 10. Distribution of fisher harvest* among trappers, 1993-2012.

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

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

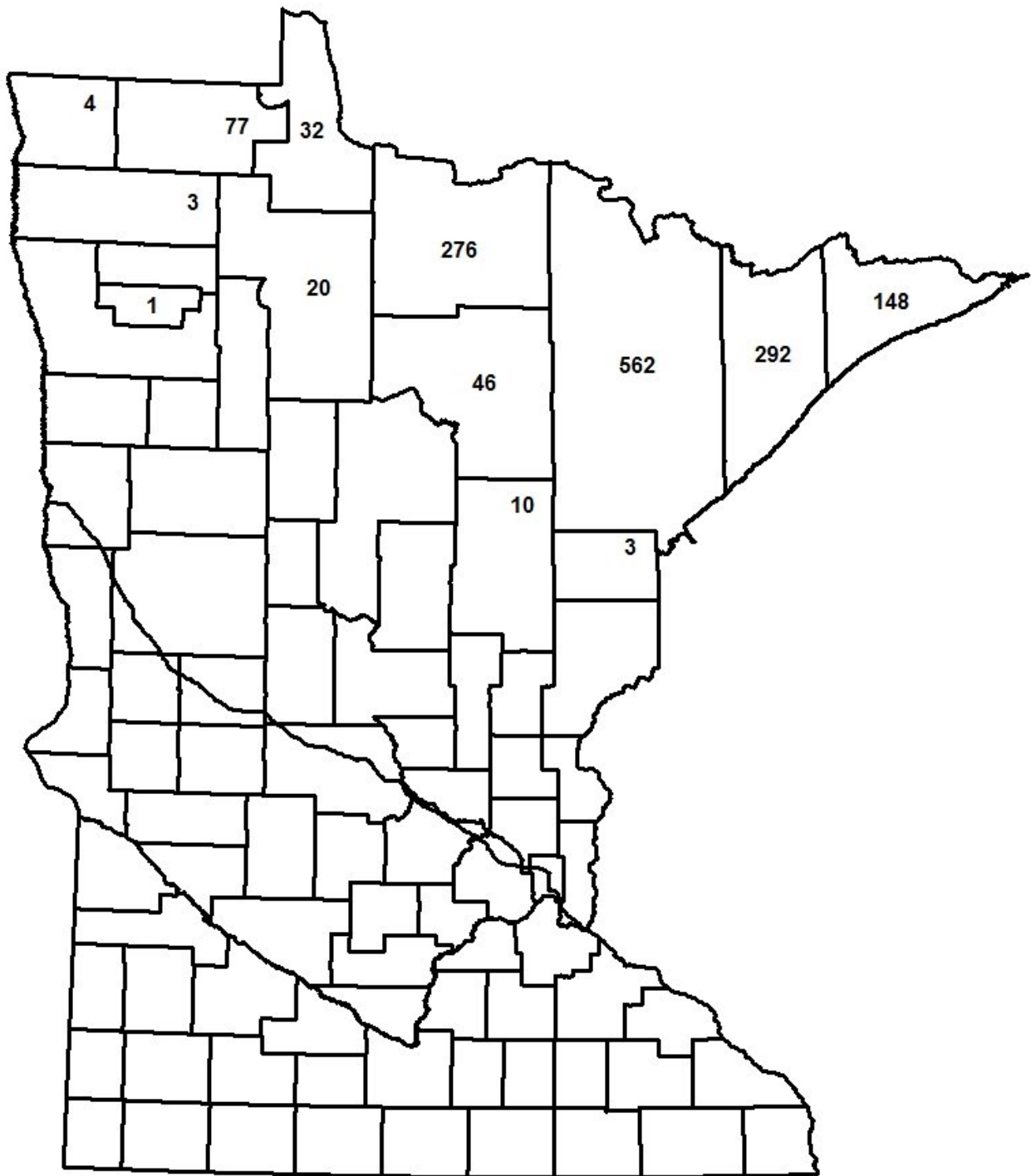


Figure 5. Marten harvest by county, 2012.

Table 11. Marten harvest by county and sex, 2012 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	10	0		10	0.50
Beltrami	11	9		20	0.65
Carlton	2	1		3	0.34
Cass	0	0		0	0.00
Clearwater	0	0		0	0.00
Cook	107	41		148	9.22
Crow Wing	0	0		0	0.00
Itasca	28	18		46	1.57
Kanabec	0	0		0	0.00
Kittson	3	1		4	0.36
Koochiching	178	97	1	276	8.75
Lake	167	121	2	290	12.68
Lake of the Woods	22	10		32	1.80
Mahnomen	0	0		0	0.00
Marshall	0	3		3	0.17
Pennington	0	0		0	0.00
Pine	0	0		0	0.00
Red Lake	1	0		1	0.23
Roseau	51	26		77	4.59
St. Louis	350	212		562	8.34
Unknown	0	0	0	0	
Total	930	539	3	1,472	

Table 12. Comparison of marten harvest by county in Minnesota, 2001-2012.

County	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Aitkin	3	5	6	6	6	13	4	12	5	4	13	10
Beltrami	24	30	38	65	17	19	8	6	10	2	11	20
Carlton	11	4	11	1	10	6	1	4	8	5	6	3
Cass	1	3	2	3	1	4	0	1	2	1	2	0
Clearwater	0	0	1	1	0	0	0	0	0	0	0	0
Cook	164	228	411	318	369	446	269	151	244	191	205	148
Crow Wing	0	0	0	0	0	0	0	0	1	0	1	0
Itasca	102	147	141	136	98	155	74	72	91	73	118	46
Kanabec	0	0	0	0	0	2	0	0	0	0	0	0
Kittson	0	0	0	0	0	0	0	0	0	1	0	4
Koochiching	327	525	534	549	418	592	348	300	354	336	516	276
Lake	243	492	541	551	536	892	520	438	496	491	577	290
Lake of the Woods	13	104	71	122	54	46	31	17	17	13	49	32
Mahnomen	0	0	0	2	0	0	0	0	0	0	0	0
Marshall	1	1	1	5	3	0	1	0	4	0	3	3
Pennington	0	0	0	0	0	0	1	0	0	0	0	0
Pine	0	0	1	2	1	1	1	0	0	1	0	0
Red Lake	0	0	0	0	0	0	0	0	0	0	0	1
Roseau	48	116	104	127	51	31	69	46	32	13	98	77
St. Louis	991	1,184	1,352	1,346	1,065	1,579	885	769	803	709	926	562
Unknown	0	0	0	7	24	2	9	7	6	2	0	0
Total	1,928	2,839	3,214	3,241	2,653	3,788	2,221	1,823	2,073	1,842	2,525	1,472

Table 13. Marten harvest by date and sex, 2012 season.

Date	Sex			Total	% of Known Total	Cumulative %
	Male	Female	Unknown			
Nov. 24	9	5		14	0.95	0.95
Nov. 25	198	130		328	22.28	23.23
Nov. 26	187	131		318	21.60	44.84
Nov. 27	202	101		303	20.58	65.42
Nov. 28	157	84	2	243	16.51	81.93
Nov. 29	159	77		236	16.03	97.96
Unknown	18	11	1	30	2.04	100%
Total	930	539	3	1,472	100%	

Table 14. Distribution of marten harvest* among trappers, 1993-2012.

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

* 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, 2012. (Combined limit = 5, not to exceed 2 fisher)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0		115	82	62	31	64
	1	318	49	21	25	40	
	2	304	34	31	46		
	3						
	4						
	5						
						Total takers of at least 1 fisher or marten	1,222

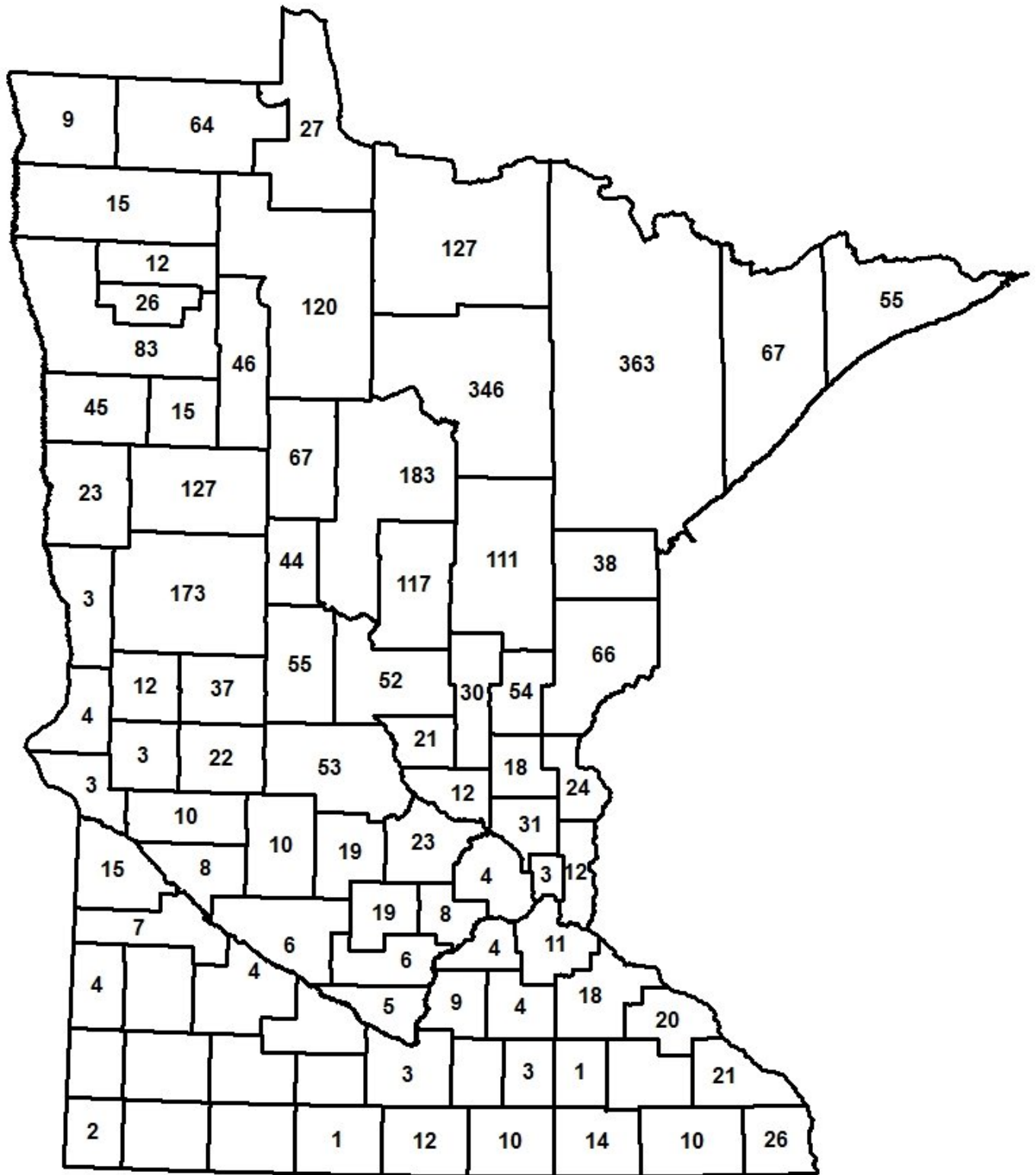


Figure 6. Otter harvest by county, 2012-13.

Table 16. Otter harvest by county and sex, 2012-13 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Aitkin	58	52	1	111	5.57
Anoka	15	16		31	6.96
Becker	72	55		127	8.79
Beltrami	69	51		120	3.93
Benton	10	11		21	5.09
Big Stone	1	2		3	0.57
Blue Earth	2	1		3	0.39
Carlton	23	15		38	4.35
Carver	5	3		8	2.13
Cass	112	71		183	7.58
Chippewa	7	1		8	1.36
Chisago	12	12		24	5.43
Clay	14	9		23	2.18
Clearwater	31	15		46	4.47
Cook	33	22		55	3.43
Crow Wing	73	44		117	10.12
Dakota	7	4		11	1.88
Dodge	1	0		1	0.23
Douglas	22	13	2	37	5.14
Faribault	7	4	1	12	1.66
Fillmore	7	3		10	1.16
Freeborn	7	3		10	1.39
Goodhue	9	8	1	18	2.31
Grant	5	6	1	12	2.08
Hennepin	1	3		4	0.66
Houston	16	10		26	4.57
Hubbard	35	32		67	6.70
Isanti	9	9		18	3.99
Itasca	224	122		346	11.83
Kanabec	30	19	3	52	9.75
Kandiyohi	6	4		10	1.16
Kittson	8	1		9	0.81
Koochiching	70	54	3	127	4.03
Lac Qui Parle	8	7		15	1.93
Lake	41	25		66	2.89
Lake of the Woods	15	11	1	27	1.52
Le Sueur	4	5		9	1.90
Lincoln	2	2		4	0.73
McLeod	11	8		19	3.76
Mahnomen	8	7		15	2.57
Marshall	8	5	2	15	0.83
Martin	1	0		1	0.14
Meeker	11	8		19	2.95
Mille Lacs	15	15		30	4.41
Morrison	28	22	2	52	4.51
Mower	6	8		14	1.97
Nicollet	3	2		5	1.07
Norman	26	19		45	5.13
Olmsted	0	0		0	0.00
Otter Tail	107	66		173	7.78
Pennington	10	2		12	1.94
Pine	45	21		66	4.61
Polk	49	34		83	4.15
Pope	14	8		22	3.07
Ramsey	2	1		3	1.77
Red Lake	17	8	1	26	6.00
Redwood	3	1		4	0.45
Renville	5	1		6	0.61
Rice	2	2		4	0.78
Rock	2	0		2	0.41

Table 16 (continued). Otter harvest by county and sex, 2012-13 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Male	Female	Unknown		
Roseau	30	34		64	3.81
St. Louis	218	145		363	5.39
Scott	2	2		4	1.09
Sherburne	8	4		12	2.66
Sibley	1	5		6	1.00
Stearns	25	28		53	3.81
Steele	0	3		3	0.69
Stevens	1	2		3	0.52
Swift	2	8		10	1.33
Todd	26	29		55	5.62
Traverse	2	2		4	0.68
Wabasha	16	4		20	3.64
Wadena	23	19	1	43	7.92
Washington	10	2		12	2.83
Wilkin	3	0		3	0.40
Winona	16	5		21	3.28
Wright	13	10		23	3.22
Yellow Medicine	4	3		7	0.92
Unknown	24	14	2	40	
Total	1,868	1,282	21	3,171	

Table 17. Comparison of otter harvest by county, 2001-2012.

County	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Aitkin	100	78	87	113	132	124	53	65	54	59	107	111
Anoka	17	17	13	32	22	16	26	18	26	8	13	31
Becker	125	104	105	178	107	117	54	55	39	53	95	127
Beltrami	108	127	173	216	170	154	105	80	74	77	112	120
Benton	10	6	7	19	14	16	9	11	3	13	13	21
Big Stone	0	0	0	0	0	0	0	2	1	0	3	3
Blue Earth	0	0	0	0	0	0	0	0	0	0	2	3
Carlton	33	40	38	53	36	39	36	29	30	35	29	38
Carver	0	0	0	0	0	0	2	5	6	5	15	8
Cass	197	189	198	255	231	236	124	160	90	135	140	183
Chippewa	0	0	0	0	0	0	0	0	0	5	7	8
Chisago	26	18	22	20	28	33	16	15	18	23	19	24
Clay	1	7	7	15	18	35	8	14	7	23	42	23
Clearwater	47	61	52	62	48	41	39	35	19	38	41	46
Cook	26	31	41	56	46	39	13	12	16	19	36	55
Crow Wing	96	108	119	141	102	111	63	99	76	66	107	117
Dakota	0	0	0	0	0	0	0	5	7	1	0	11
Dodge	0	0	0	0	0	0	0	0	0	3	1	1
Douglas	1	0	12	27	16	30	18	28	11	14	34	37
Faribault	0	0	0	0	0	0	0	0	0	0	1	12
Fillmore	0	0	0	0	0	0	6	1	1	5	5	10
Freeborn	0	0	0	0	0	0	0	0	0	5	10	10
Goodhue	0	0	0	0	0	0	3	3	7	11	7	18
Grant	0	0	0	0	0	0	3	3	6	1	8	12
Hennepin	0	0	0	0	0	0	1	3	6	2	3	4
Houston	0	0	0	0	0	0	9	15	11	11	10	26
Hubbard	61	64	70	91	80	72	59	72	41	52	42	67
Isanti	33	33	27	35	38	30	30	17	18	14	9	18
Itasca	337	310	382	483	362	334	205	201	191	247	281	346
Kanabec	56	40	38	57	79	62	44	29	23	17	22	52
Kandiyohi	0	0	0	0	0	0	2	6	6	8	8	10
Kittson	1	2	3	3	3	5	11	2	3	8	2	9
Koochiching	118	96	164	167	131	118	70	95	61	81	62	127
Lac Qui Parle	0	0	0	0	0	0	0	0	0	2	6	15
Lake	57	57	81	88	65	60	35	34	45	28	36	66
Lake of the Woods	17	21	42	31	34	24	30	17	8	15	27	27
Le Sueur	0	0	0	0	0	0	0	0	0	3	0	9
Lincoln	0	0	0	0	0	0	0	0	0	0	0	4
McLeod	0	0	0	0	0	0	6	6	8	12	18	19
Mahnomen	17	7	23	24	29	26	24	7	7	9	20	15
Marshall	13	35	34	29	18	7	6	2	0	13	13	15

Table 17 (continued). Comparison of otter harvest by county, 2001-2012.

County	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Martin	0	0	0	0	0	0	0	0	0	0	0	1
Meeker	0	0	0	0	0	0	13	13	16	12	28	19
Mille Lacs	20	22	33	48	51	21	33	26	28	19	15	30
Morrison	45	36	46	64	77	60	45	43	31	29	29	52
Mower	0	0	0	0	0	0	0	0	0	8	20	14
Nicollet	0	0	0	0	0	0	0	0	0	2	1	5
Norman	3	4	1	16	17	11	9	17	11	12	21	45
Olmsted	0	0	0	0	0	0	0	2	3	2	3	0
Otter Tail	51	32	45	113	85	81	50	82	32	65	109	173
Pennington	6	12	16	18	33	15	9	0	1	4	2	12
Pine	42	61	78	99	51	111	50	74	37	38	44	66
Polk	60	63	72	104	45	47	32	25	19	36	49	83
Pope	0	0	0	0	0	0	11	12	12	11	20	22
Ramsey	0	0	0	0	0	0	0	0	0	0	0	3
Red Lake	18	27	35	58	26	30	19	8	20	22	19	26
Redwood	0	0	0	0	0	0	0	0	0	0	2	4
Renville	0	0	0	0	0	0	0	0	0	0	1	6
Rice	0	0	0	0	0	0	0	0	0	1	9	4
Rock	0	0	0	0	0	0	0	0	0	0	0	2
Roseau	36	27	72	69	60	53	32	53	23	32	33	64
St. Louis	453	316	483	508	428	344	290	251	233	253	239	363
Scott	0	0	0	0	0	0	3	3	1	4	2	4
Sherburne	11	11	24	25	15	29	26	10	17	7	19	12
Sibley	0	0	0	0	0	0	0	0	0	6	6	6
Stearns	5	17	13	22	21	33	9	38	24	13	41	53
Steele	0	0	0	0	0	0	0	0	0	1	0	3
Stevens	0	0	0	0	0	0	1	3	1	6	1	3
Swift	0	0	0	0	0	0	9	4	5	2	11	10
Todd	24	30	49	53	63	81	35	37	32	41	63	55
Traverse	0	0	0	0	0	0	1	0	2	0	1	4
Wabasha	0	0	0	0	0	0	15	7	18	7	8	20
Wadena	23	23	35	34	38	32	15	19	15	16	20	43
Washington	4	12	10	8	11	16	18	19	11	16	18	12
Wilkin	0	0	0	0	0	0	2	0	0	0	0	3
Winona	0	0	0	0	0	0	11	19	13	15	20	21
Wright	0	1	2	3	2	5	7	9	8	11	17	23
Yellow Medicine	0	0	0	0	0	0	0	0	0	0	0	7
Unknown	3	0	14	13	14	22	6	18	12	2	17	40
Totals	2,301	2,145	2,766	3,450	2,846	2,720	1,861	1,938	1,544	1,814	2,294	3,171

Table 18. Otter harvest by sex and week, 2012-13 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Male	Female	Unknown			
Oct.27 - Nov.2	308	201	7	516	16.27	16.27
Nov.3 - Nov.9	292	169	1	462	14.57	30.84
Nov.10 - Nov.16	245	186	1	432	13.62	44.47
Nov.17 - Nov.23	246	179	1	426	13.43	57.90
Nov.24 - Nov.30	222	162	3	387	12.20	70.10
Dec.1 - Dec.7	155	97	1	253	7.98	78.08
Dec.8 - Dec.14	121	89		210	6.62	84.71
Dec.15 - Dec.21	97	79	1	177	5.58	90.29
Dec.22 - Dec.28	80	59	2	141	4.45	94.73
Dec.29 - Jan.6*	83	53	1	137	4.32	99.05
Unknown	19	8	3	30	0.95	100%
Total	1,868	1,282	21	3,171	100%	

* 9-day interval.

Table 19. Distribution of otter harvest^{*} among trappers, 1993-2012.

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

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