



REGISTERED FURBEARER HARVEST STATISTICS 2020-21

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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 monitoring the effects of changes in harvest seasons, harvest techniques, and habitat. The level of detail or accuracy necessary in harvest information varies across species, depending on factors such as population density, harvest pressure, habitat 'sensitivity' of the species, and reproductive potential.

In Minnesota, detailed harvest information is collected on 4 carnivores – fishers (*Pekania pennanti*), martens (*Martes americana*), bobcats (*Lynx rufus*), and river otters (*Lontra canadensis*). 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 has been collected on these species for the past 43 years to help ensure sustainable harvests and populations.

METHODS

Hunters and trappers are required to bring pelts from harvested animals (fishers, martens, bobcats, and river 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) for each animal, 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 river otter harvest is allowed statewide (Figure 1). There were no changes to season structures for any of the four registered species this year compared to the 2019-20 season. Bobcat harvest increased 91%, fisher harvest increased 54%, marten harvest increased 31%, and otter harvest increased 24%. Detailed harvest summaries are provided in the following tables and graphs. Data for years prior to those presented in this report are 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 work was funded in part by the Wildlife Restoration Program (Pittman-Robertson).

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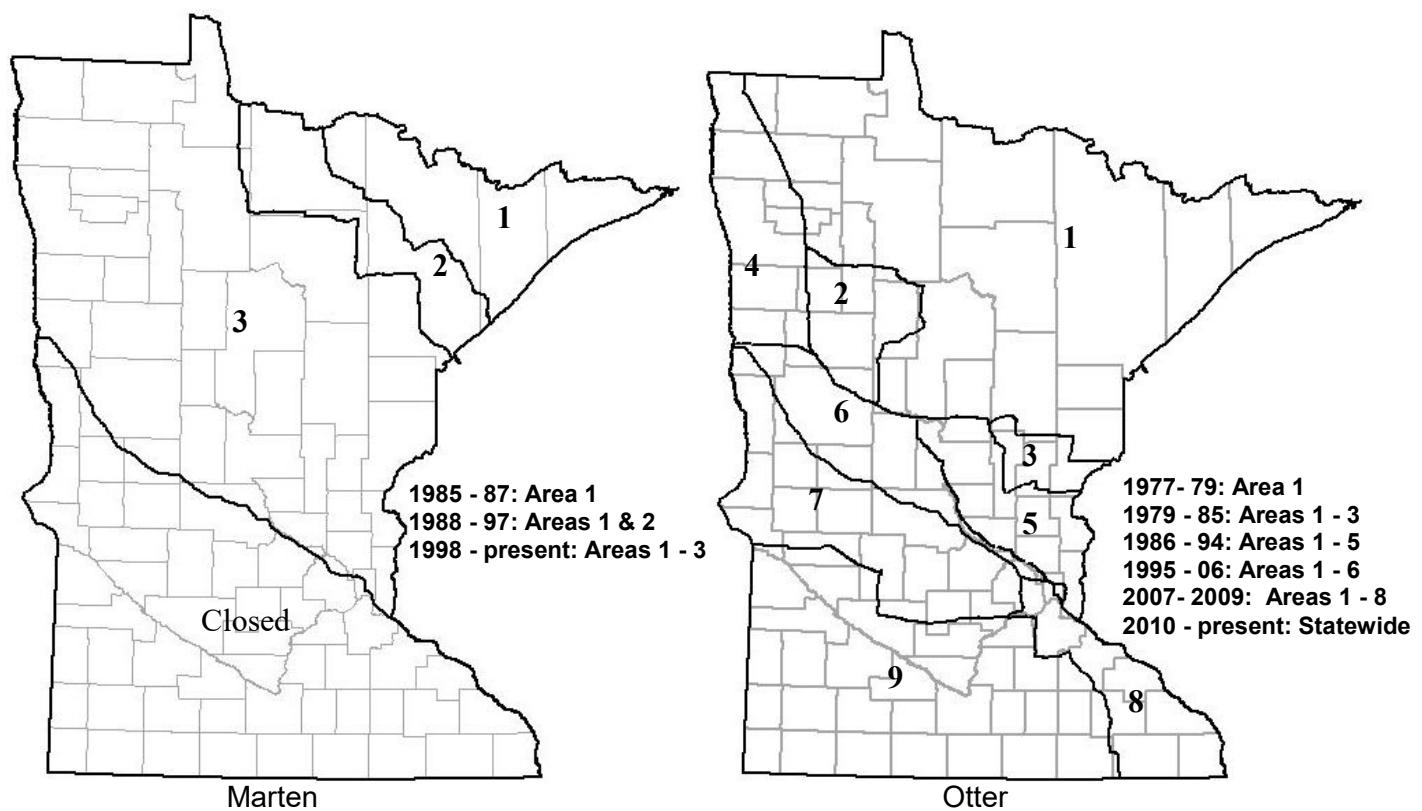
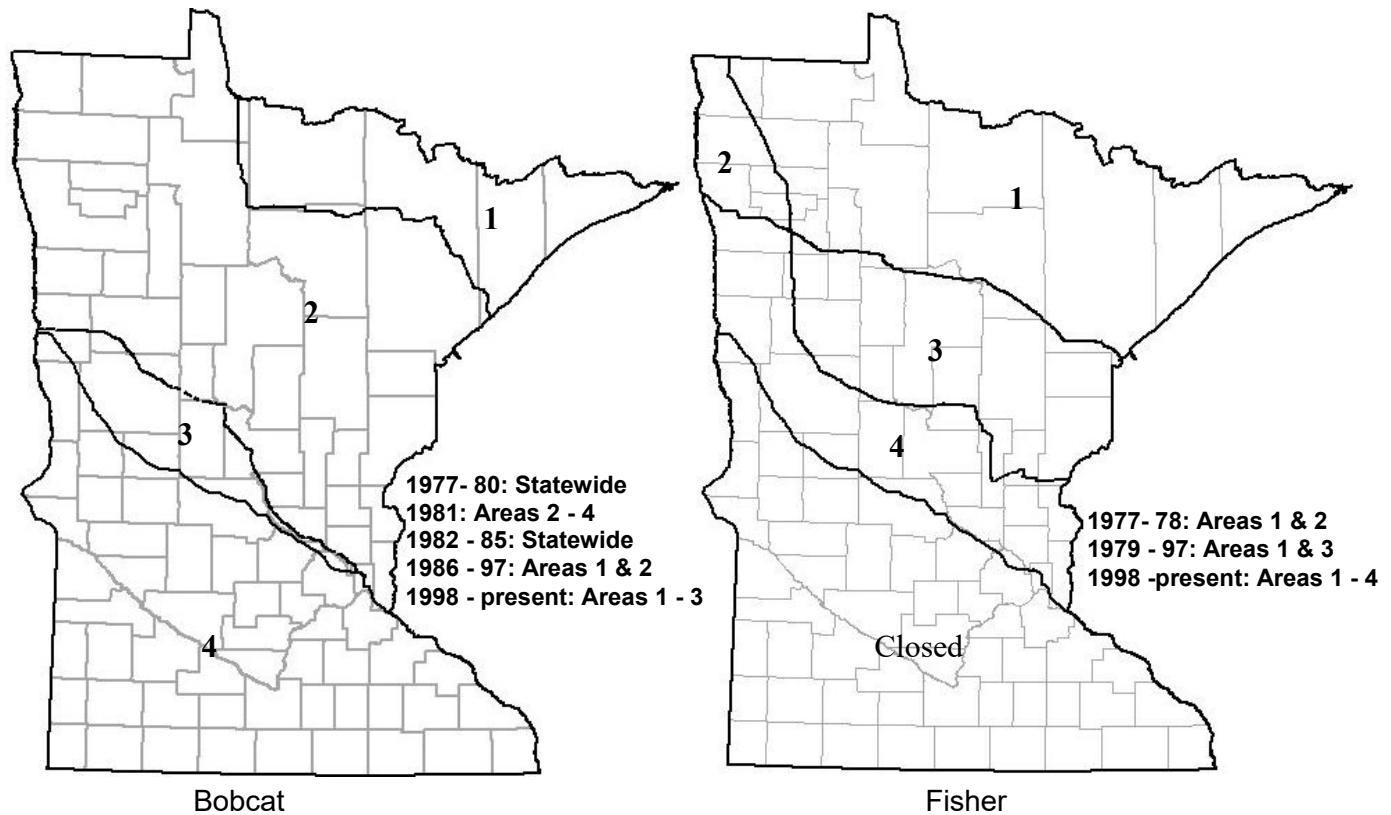


Figure 1. Open trapping areas in Minnesota for fisher, marten, bobcat, and river otter, 1977 - present.

Table 1. Registered furbearer seasons and harvests, 1990-2020.

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
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
2018-19	11/24-1/6	44	5	1015	11/24-11/29	6	2	510	11/24-11/29	6	2	665	10/27-1/6	78	4	1351
2019-20	12/21-1/26	37	5	695	12/21-12/29	9	2	463	12/21-12/29	9	2	585	10/26-1/26	99	4	1050
2020-21	12/19-1/24	37	5	1325	12/19-12/27	9	2	712	12/19-12/27	9	2	766	10/24-1/24	99	4	1304

^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).

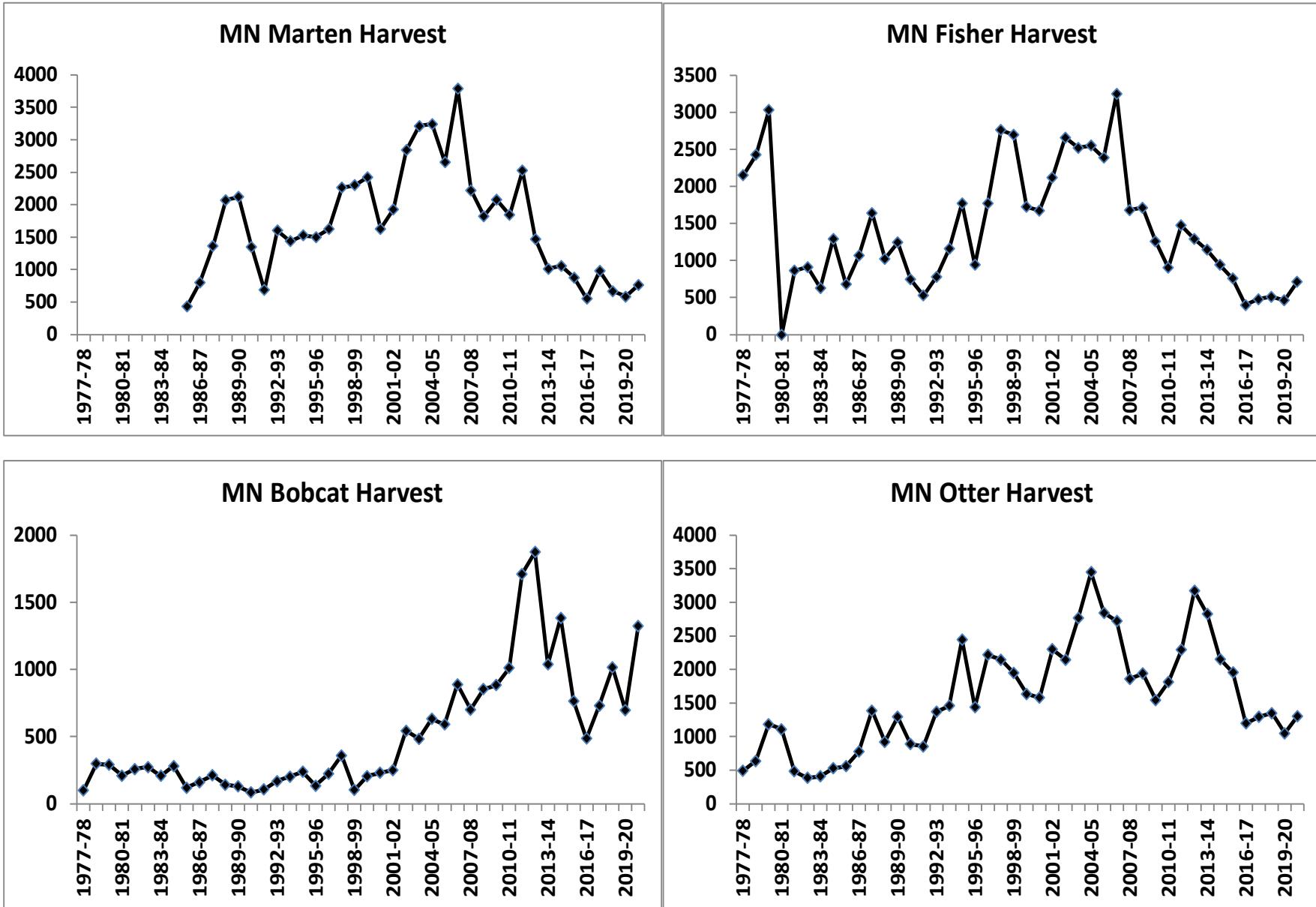


Figure 2. Harvest of registered furbearers in Minnesota, 1977-present.

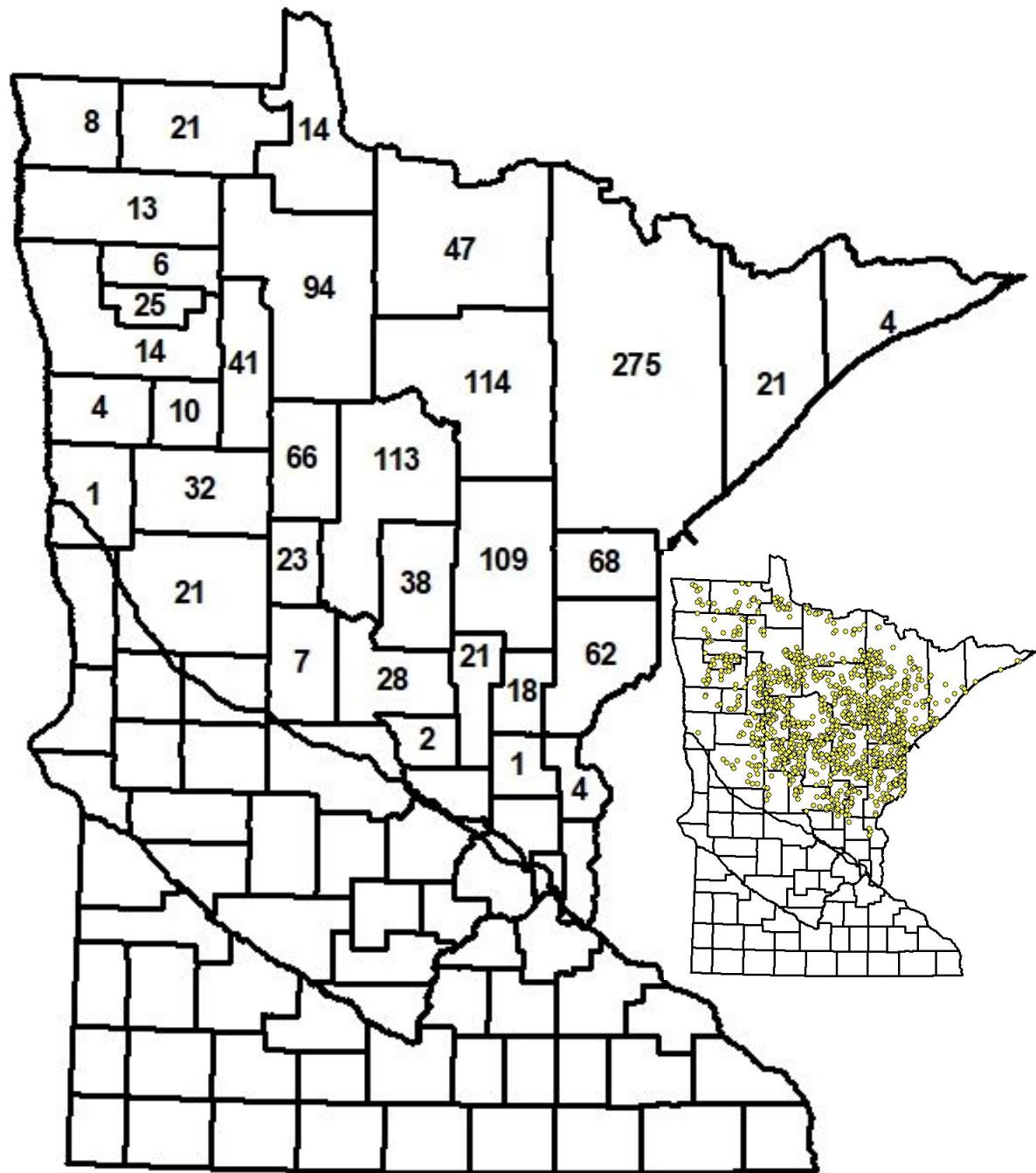


Figure 3. Bobcat harvest by county, 2020-21. Inset shows spatial distribution of harvest locations.

Table 2. Bobcat harvest by county and sex, 2020-21.

County	Sex*			Total	Harvest/ 100 Mile ²
	Female	Male	Unknown		
Aitkin	54	55		109	5.47
Anoka	0	0		0	0.00
Becker	11	21		32	2.21
Beltrami	43	51		94	3.08
Benton	1	1		2	0.48
Carlton	32	36		68	7.78
Cass	61	52		113	4.68
Chisago	3	1		4	0.90
Clay	0	1		1	0.09
Clearwater	21	20		41	3.98
Cook	4			4	0.25
Crow Wing	24	14		38	3.29
Douglas	0	0		0	0.00
Hubbard	36	30		66	6.60
Isanti	1	0		1	0.22
Itasca	61	52	1	114	3.90
Kanabec	12	6		18	3.38
Kittson	5	3		8	0.72
Koochiching	23	24		47	1.49
Lake	14	7		21	0.92
Lake of the Woods	8	6		14	0.79
Mahnomen	5	5		10	1.71
Marshall	6	7		13	0.72
Mille Lacs	14	7		21	3.08
Morrison	13	15		28	2.43
Norman	2	2		4	0.46
Otter Tail	9	11	1	21	0.94
Pennington	1	5		6	0.97
Pine	41	21		62	4.33
Polk	10	4		14	0.70
Red Lake	15	10		25	5.77
Roseau	10	11		21	1.25
Sherburne	0	0		0	0.00
St. Louis	175	99	1	275	4.08
Stearns	0	0		0	0.00
Todd	3	4		7	0.71
Wadena	10	13		23	4.23
Unknown	0	0	0	0	
Total	728	594	3	1325	

* 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, 2010-2020.

County	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Aitkin	73	121	142	65	105	39	22	41	51	55	109
Anoka	0	1	0	0	1	0	0	0	0	0	0
Becker	39	70	58	36	48	36	10	31	22	14	32
Beltrami	108	139	139	59	73	49	30	37	60	34	94
Benton	0	4	3	3	0	0	1	2	3	1	2
Carlton	37	94	63	42	88	25	16	33	42	27	68
Cass	117	164	150	76	126	73	44	72	91	52	113
Chisago	1	0	3	1	1	3	4	2	5	3	4
Clay	3	1	3	2	3	1	0	0	2	0	1
Clearwater	30	58	40	19	29	15	13	14	18	14	41
Cook	1	3	3	9	17	1	0	2	0	2	4
Crow Wing	29	64	65	19	32	21	7	24	28	15	38
Douglas	0	0	1	1	0	0	0	0	1	0	0
Hubbard	59	129	105	51	50	45	21	44	41	19	66
Isanti	0	0	0	1	0	1	1	0	0	0	1
Itasca	132	186	194	93	110	50	19	54	86	57	114
Kanabec	16	21	46	16	46	12	11	16	24	12	18
Kittson	9	10	7	5	5	7	6	3	3	10	8
Koochiching	54	66	82	50	40	22	25	26	62	24	47
Lake	7	15	21	13	15	8	4	8	24	8	21
Lake of the Woods	10	28	13	20	26	10	7	5	14	13	14
Mahnomen	2	9	7	4	4	3	5	2	4	2	10
Marshall	31	42	44	15	21	19	14	12	30	25	13
Mille Lacs	10	13	23	7	14	5	2	10	19	8	21
Morrison	23	25	35	15	25	16	17	19	37	22	28
Norman	0	3	6	3	8	4	1	4	7	2	4
Otter Tail	14	21	38	18	17	16	15	22	12	6	21
Pennington	5	4	13	7	3	4	1	4	8	7	6
Pine	50	94	135	54	87	56	37	43	46	47	62
Polk	9	17	20	10	16	15	10	9	5	3	14
Red Lake	16	20	25	6	11	3	1	15	10	10	25
Roseau	26	46	60	38	27	20	23	23	45	20	21
Sherburne	0	3	0	0	0	0	0	0	0	1	0
St. Louis	81	202	283	255	307	156	91	123	182	154	275
Stearns	0	0	0	2	0	1	0	0	0	0	0
Todd	9	14	16	5	8	8	9	13	10	7	7
Wadena	9	17	23	18	18	10	18	18	23	21	23
Unknown	2	7	9	0	3	12	0	0	0	0	0
Total	1012	1711	1875	1038	1384	766	485	731	1015	695	1325

Table 4. Bobcat harvest by sex and week, 2020-21 season.

Date	Sex*			Total	% of Total	Cumulative %
	Female	Male	Unknown			
Dec.19 - Dec.25	203	174	1	378	28.53	28.53
Dec.26 - Jan.1	138	121		259	19.55	48.08
Jan.2 - Jan.8	123	87	1	211	15.92	64.00
Jan.9 - Jan.15	112	101		213	16.08	80.08
Jan.16 - Jan.24**	146	108	1	255	19.25	99.32
Unknown	6	3		9	0.68	100.00
Total	728	594	3	1325	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, 1995-2020.

Number (%) of Takers	Number Taken					Total Takers
	1	2	3	4	5	
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
2018-19	260 (53)	87 (18)	59 (12)	42 (8)	47 (9)	495
2019-20	214 (57)	77 (21)	37 (10)	19 (5)	27 (7)	374
2020-21	319 (50)	138 (22)	67 (11)	35 (6)	76 (12)	635

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

Table 6. Bobcat harvest by method of take, 1993-2020.

Year	Harvest ^a	Total						Trapping						Hunting					
		Harvest	% of Total	# Takers	Ave. Take	% Males ^b	Harvest	% of Total	# Takers	Ave. Take	% Males ^b								
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								
2018-19	1015	865	85	406	2.1	48	150	15	98	1.5	58								
2019-20	692	570	82	297	1.9	36	122	18	84	1.5	66								
2020-21	1325	1124	85	512	2.2	43	201	15	126	1.6	56								

^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

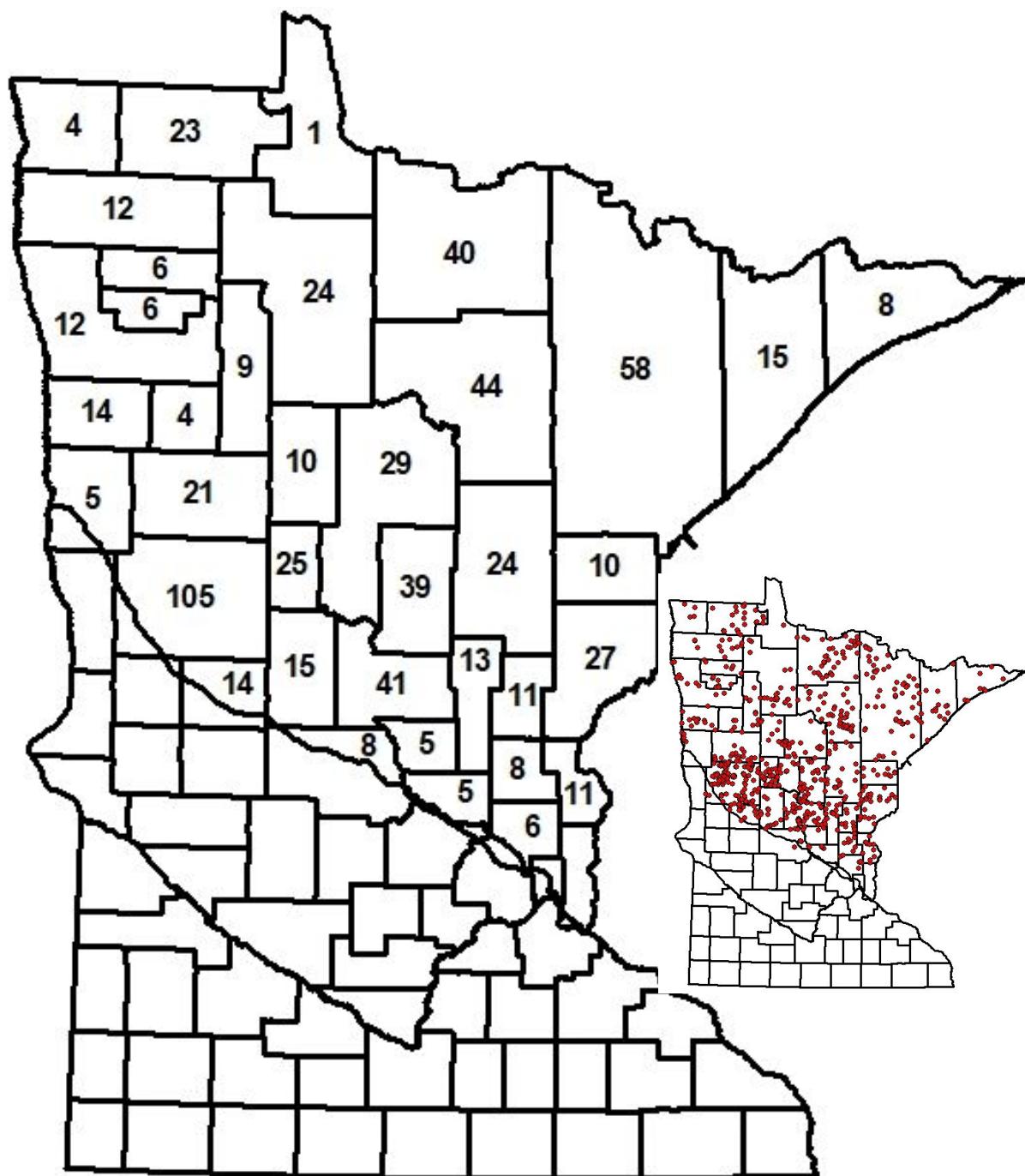


Figure 4. Fisher harvest by county, 2020. Inset shows spatial distribution of harvest locations.

Table 7. Fisher harvest by county and sex, 2020 season.

County	Sex			Total	Harvest/ 100 Mile ²
	Female	Male	Unknown		
Aitkin	11	13		24	1.20
Anoka	3	3		6	1.35
Becker	4	17		21	1.45
Beltrami	12	12		24	0.79
Benton	4	1		5	1.21
Carlton	4	6		10	1.14
Cass	10	19		29	1.20
Chisago	5	6		11	2.49
Clay	3	2		5	0.47
Clearwater	4	5		9	0.87
Cook	3	5		8	0.50
Crow Wing	15	24		39	3.37
Douglas	3	11		14	1.94
Grant	0	0		0	0.00
Hubbard	2	8		10	1.00
Isanti	3	4	1	8	1.77
Itasca	19	25		44	1.50
Kanabec	2	9		11	2.06
Kitson	1	3		4	0.36
Koochiching	21	19		40	1.27
Lake	7	8		15	0.66
Lake of the Woods	1	0		1	0.06
Mahnomen	0	4		4	0.69
Marshall	9	3		12	0.66
Mille Lacs	7	6		13	1.91
Morrison	16	25		41	3.56
Norman	3	11		14	1.60
Otter Tail	35	69	1	105	4.72
Pennington	1	5		6	0.97
Pine	9	17	1	27	1.88
Polk	3	9		12	0.60
Red Lake	3	3		6	1.39
Roseau	9	14		23	1.37
Sherburne	1	4		5	1.11
St. Louis	30	28		57	0.86
Stearns	2	6		8	0.58
Todd	5	10		15	1.53
Wadena	4	21		25	4.60
Washington	0	0		0	0.00
Wilkin	0	0		0	0.00
Unknown				0	
Total	274	435	3	712	

Table 8. Comparison of fisher harvest by county, 2009-2020.

County	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Aitkin	50	35	55	52	47	24	38	16	10	15	17	24
Anoka	0	0	1	2	1	2	7	4	0	4	3	6
Becker	44	30	32	45	38	21	23	3	18	10	11	21
Beltrami	22	10	25	21	17	4	8	9	6	6	15	24
Benton	2	0	5	5	2	4	3	7	4	7	8	5
Carlton	15	12	12	14	8	14	13	6	1	9	8	10
Cass	57	43	41	37	23	30	24	11	12	16	10	29
Chisago	10	6	10	3	4	16	18	11	8	23	12	11
Clay	0	6	10	6	5	6	4	4	2	8	4	5
Clearwater	13	6	8	5	12	3	2	3	0	7	3	9
Cook	11	17	28	11	13	11	5	4	3	8	4	8
Crow Wing	42	48	64	55	51	34	31	13	17	17	19	39
Douglas	2	6	15	24	8	20	12	6	2	8	9	14
Grant	0	1	0	0	0	0	0	0	0	0	0	0
Hubbard	18	13	10	11	10	8	6	5	6	8	4	10
Isanti	9	1	4	6	11	11	12	3	13	6	1	8
Itasca	166	88	142	105	116	78	47	13	34	30	31	44
Kanabec	20	13	21	27	30	9	10	6	2	6	7	11
Kittson	5	7	5	9	11	2	3	5	7	6	8	4
Koochiching	96	51	116	80	51	67	45	23	40	31	42	40
Lake	49	45	56	53	35	28	14	14	12	16	10	15
Lake of the Woods	21	9	33	21	13	12	15	6	9	3	3	1
Mahnomen	3	0	3	0	4	2	0	0	0	0	0	4
Marshall	6	7	13	14	17	22	22	6	5	12	7	12
Mille Lacs	18	18	17	20	17	12	6	13	7	8	3	13
Morrison	10	8	10	24	25	23	15	16	11	25	15	41
Norman	7	4	10	19	21	12	5	9	3	6	8	14
Otter Tail	67	100	138	121	117	102	77	41	53	59	43	105
Pennington	2	4	8	8	11	19	11	4	9	10	7	6
Pine	30	26	22	42	46	44	35	18	17	7	10	27
Polk	31	25	54	58	45	32	22	11	9	11	3	12
Red Lake	23	10	17	16	24	18	6	8	18	14	5	6
Roseau	58	20	79	61	42	32	26	15	24	18	29	23
Sherburne	3	1	6	2	2	2	2	0	0	6	0	5
St. Louis	296	186	350	233	220	171	125	61	72	66	73	58
Stearns	1	0	4	1	4	2	3	3	5	2	2	8
Todd	22	18	15	29	22	15	19	12	20	7	12	15
Wadena	23	23	31	25	23	21	26	9	17	11	16	25
Washington	0	0	1	1	0	2	2	1	1	4	1	0
Wilkin	0	0	1	0	0	0	0	0	0	0	0	0
Unknown	7	6	1	27	0	8	14	0	0	0	0	0
Total	1,259	903	1,473	1,293	1,146	943	756	399	477	510	463	712

Table 9. Fisher harvest by date and sex, 2020 season.

Date	Sex			Total	% of Known	Cumulative
	Female	Male	Unknown			
Dec. 19	1	4	1	6	0.84	0.84
Dec. 20	40	70		110	15.45	16.29
Dec. 21	57	67	1	125	17.56	33.85
Dec. 22	40	68		108	15.17	49.02
Dec. 23	38	46		84	11.80	60.81
Dec. 24	17	38		55	7.72	68.54
Dec. 25	18	27		45	6.32	74.86
Dec. 26	36	58		94	13.20	88.06
Dec. 27	25	49		74	10.39	98.46
Unknown	2	8	1	11	1.54	100%
Total	274	435	3	712	100%	

Table 10. Distribution of fisher harvest* among trappers, 1994-2020.

Number (%) of Takers	Number Taken					Total Takers	Ave. Take
	1	2	3	4	5		
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
2018	253 (66)	128 (34)	---	---	---	381	1.3
2019	259 (72)	101 (28)	---	---	---	360	1.3
2020	337 (65)	185 (35)	---	---	---	522	1.4

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

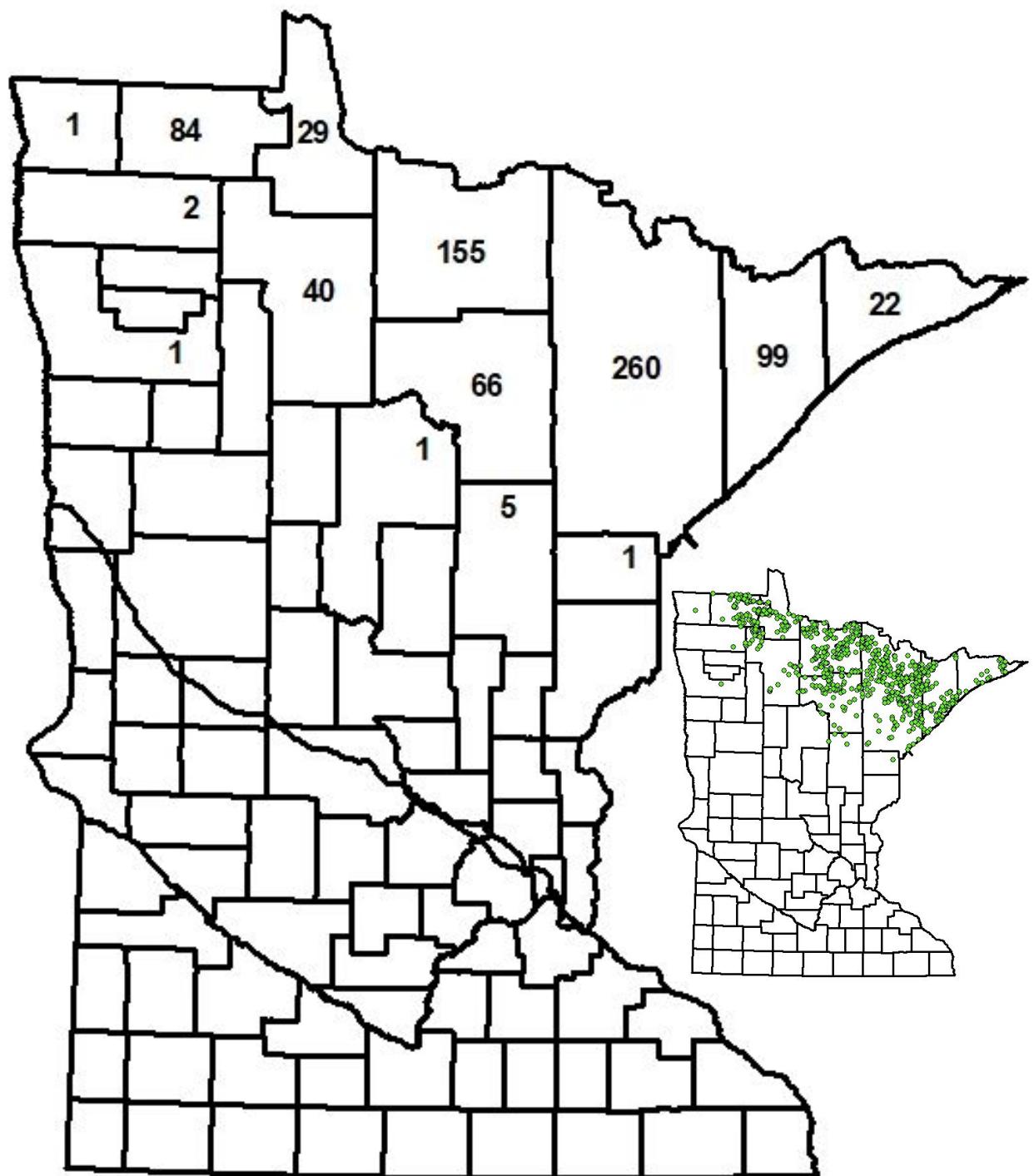


Figure 5. Marten harvest by county, 2020. Inset shows spatial distribution of harvest locations.

Table 11. Marten harvest by county and sex, 2020 season.

County	Sex			Harvest/	
	Female	Male	Unknown	Total	100 Mile ²
Aitkin	2	3		5	0.25
Becker	0	0		0	0.00
Beltrami	11	29		40	1.31
Carlton	1	0		1	0.11
Cass	1	0		1	0.04
Clearwater	0	0		0	0.00
Cook	2	20		22	1.37
Crow Wing	0	0		0	0.00
Hubbard	0	0		0	0.00
Itasca	26	40		66	2.26
Kanabec	0	0		0	0.00
Kittson	0	1		1	0.09
Koochiching	59	96		155	4.92
Lake	28	71		99	4.33
Lake of the Woods	10	16	2	28	1.57
Mahnomen	0	0		0	0.00
Marshall	0	2		2	0.11
Otter Tail	0	0		0	0.00
Pennington	0	0		0	0.00
Pine	0	0		0	0.00
Polk	1	0		1	0.05
Red Lake	0	0		0	0.00
Roseau	32	53		85	5.06
St. Louis	93	167		260	3.86
Unknown	0	0		0	
Total	266	498	2	766	

Table 12. Comparison of marten harvest by county in Minnesota, 2009-2020.

County	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Aitkin	5	4	13	10	8	12	4	1	7	2	0	5
Becker	0	0	0	0	0	0	1	0	0	0	0	0
Beltrami	10	2	11	20	15	7	15	7	16	2	9	40
Carlton	8	5	6	3	1	1	0	0	7	7	1	1
Cass	2	1	2	0	0	3	2	2	2	2	2	1
Clearwater	0	0	0	0	0	0	0	0	0	0	0	0
Cook	244	191	205	148	78	43	39	23	40	44	15	22
Crow Wing	1	0	1	0	0	1	0	2	0	0	0	0
Hubbard	0	0	0	0	0	0	1	0	0	0	1	0
Itasca	91	73	118	46	62	79	64	28	52	35	35	66
Kanabec	0	0	0	0	0	0	0	0	0	0	0	0
Kittson	0	1	0	4	0	1	0	0	3	1	0	1
Koochiching	354	336	516	276	218	265	169	107	176	117	146	155
Lake	496	491	577	290	185	149	138	109	172	131	78	99
Lake of the Woods	17	13	49	32	18	23	25	21	32	16	45	28
Mahnomen	0	0	0	0	0	0	0	0	0	0	0	0
Marshall	4	0	3	3	5	5	3	1	1	1	3	2
Otter Tail	0	0	0	0	0	1	0	0	0	0	0	0
Pennington	0	0	0	0	0	0	1	0	0	0	0	0
Pine	0	1	0	0	0	1	0	0	0	0	0	0
Polk	0	0	0	0	0	0	0	0	0	0	0	1
Red Lake	0	0	0	1	1	0	0	0	0	0	0	0
Roseau	32	13	98	77	37	40	33	31	74	41	79	85
St. Louis	803	709	926	562	386	421	377	219	397	266	171	260
Unknown	6	2	0	0	0	7	5	0	0	0	0	0
Total	2,073	1,842	2,525	1,472	1,014	1,059	877	551	979	665	585	766

Table 13. Marten harvest by date and sex, 2020 season.

Date	Sex			Total	% of Known	Cumulative
	Female	Male	Unknown			
Dec. 19	0	0		0	0.00	0.00
Dec. 20	49	118	1	168	21.93	21.93
Dec. 21	49	87	1	137	17.89	39.82
Dec. 22	39	93		132	17.23	57.05
Dec. 23	34	60		94	12.27	69.32
Dec. 24	19	24		43	5.61	74.93
Dec. 25	8	27		35	4.57	79.50
Dec. 26	27	52		79	10.31	89.82
Dec. 27	39	33		72	9.40	99.22
Unknown	2	4		6	0.78	100%
Total	266	498	2	766	100%	

Table 14. Distribution of marten harvest* among trappers, 1994-2020.

Number (%) of Takers	Number Taken					Total Takers	Ave. Take
	1	2	3	4	5		
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
2018	200 (46)	231 (54)	---	---	---	431	1.5
2019	200 (51)	191 (49)	---	---	---	391	1.5
2020	221 (45)	268 (55)	---	---	---	489	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, 2020. (Combined limit = 2)

Number of Takers		Number of Marten					
		0	1	2	3	4	5
Number of Fisher	0	120	268				
	1	237	101				
	2	185					
	3						
	4						
	5				Total takers of at least 1 fisher or marten		911

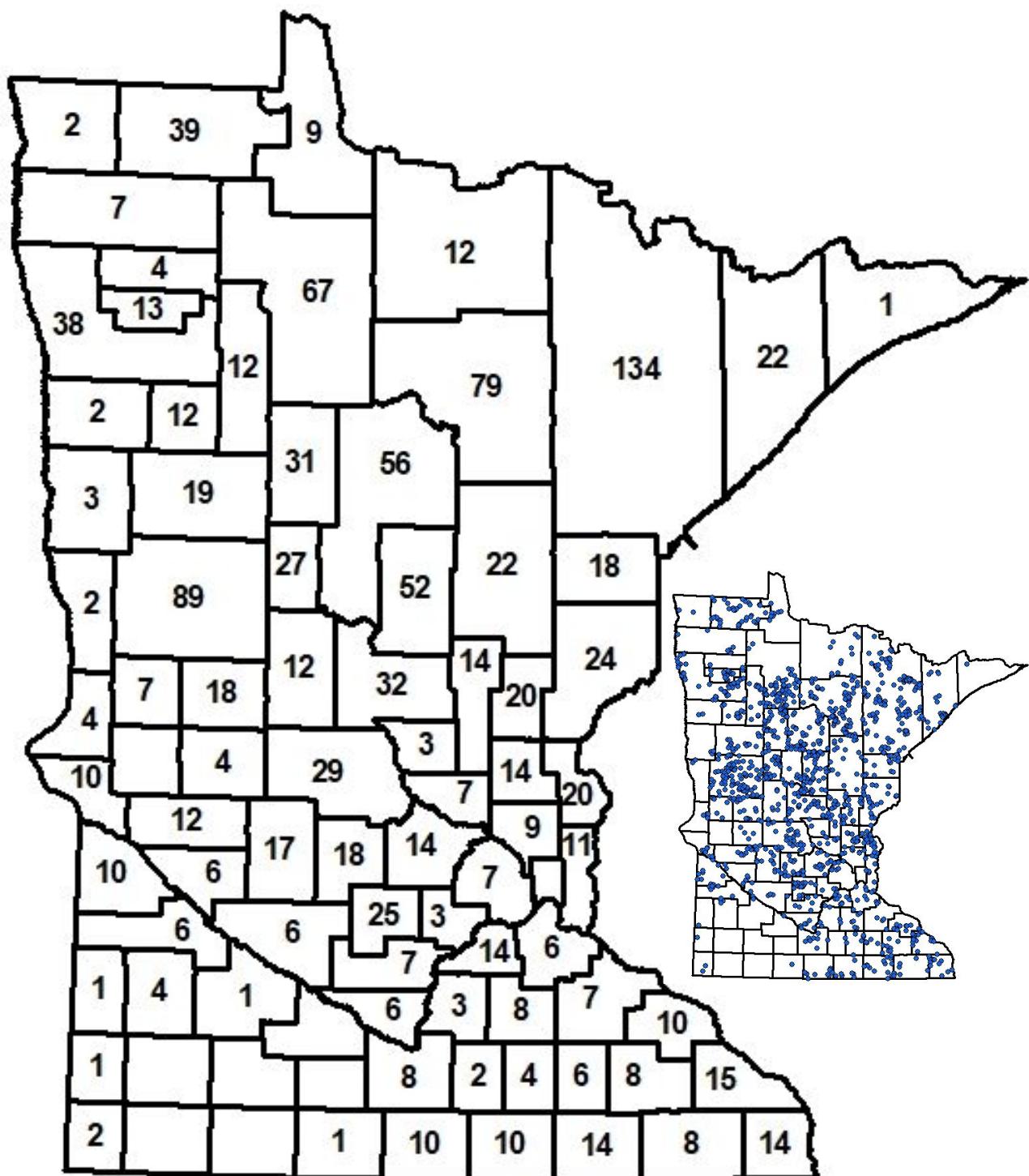


Figure 6. Otter harvest by county, 2020-21. Inset shows spatial distribution of harvest locations.

Table 16. Otter harvest by county and sex, 2020-21 season.

County	Sex			Total	Harvest / 100 Mile ²
	Female	Male	Unknown		
Aitkin	14	8		22	1.10
Anoka	6	3		9	2.02
Becker	6	13		19	1.31
Beltrami	28	39		67	2.19
Benton	2	1		3	0.73
Big Stone	3	7		10	1.89
Blue Earth	4	4		8	1.05
Brown	0	0		0	0.00
Carlton	8	10		18	2.06
Carver	2	1		3	0.80
Cass	23	33		56	2.32
Chippewa	4	2		6	1.02
Chisago	13	7		20	4.52
Clay	1	2		3	0.28
Clearwater	5	7		12	1.17
Cook	1	0		1	0.06
Cottonwood	0	0		0	0.00
Crow Wing	24	28		52	4.50
Dakota	2	4		6	1.02
Dodge	5	1		6	1.37
Douglas	6	11	1	18	2.50
Faribault	5	5		10	1.39
Fillmore	2	6		8	0.93
Freeborn	4	5	1	10	1.39
Goodhue	3	4		7	0.90
Grant	2	1	4	7	1.22
Hennepin	1	6		7	1.15
Houston	3	11		14	2.46
Hubbard	14	17		31	3.10
Isanti	6	8		14	3.10
Itasca	33	46		79	2.70
Jackson	0	0		0	0.00
Kanabec	5	15		20	3.75
Kandiyohi	8	9		17	1.97
Kittson	1	1		2	0.18
Koochiching	7	5		12	0.38
Lac Qui Parle	5	5		10	1.28
Lake	10	12		22	0.96
Lake of the Woods	5	4		9	0.51
Le Sueur	2	1		3	0.63
Lincoln	1	0		1	0.18
Lyon	3	1		4	0.55
Mahnomen	4	8		12	2.06
Marshall	2	5		7	0.39
Martin	0	1		1	0.14
McLeod	13	12		25	4.95
Meeker	11	7		18	2.79
Mille Lacs	6	8		14	2.06
Morrison	17	15		32	2.78
Mower	8	6		14	1.97
Murray	0	0		0	0.00
Nicollet	5	1		6	1.29
Nobles	0	0		0	0.00
Norman	1	1		2	0.23
Olmsted	5	3		8	1.22
Otter Tail	30	59		89	4.00

Table 16 (continued). Otter harvest by county and sex, 2020-21 season.

County	Sex			Total	Harvest / 100 Mile ²
	Female	Male	Unknown		
Pennington	0	4		4	0.65
Pine	11	13		24	1.67
Pipestone	1	0		1	0.21
Polk	16	22		38	1.90
Pope	2	2		4	0.56
Ramsey	0	0		0	0.00
Red Lake	5	8		13	3.00
Redwood	1	0		1	0.11
Renville	2	4		6	0.61
Rice	4	4		8	1.55
Rock	1	1		2	0.41
Roseau	13	26		39	2.32
Scott	5	9		14	3.80
Sherburne	4	3		7	1.55
Sibley	4	3		7	1.17
St. Louis	60	74		135	2.00
Stearns	14	15		29	2.09
Steele	1	3		4	0.93
Stevens	0	0		0	0.00
Swift	9	3		12	1.60
Todd	5	7		12	1.23
Traverse	1	3		4	0.68
Wabasha	3	7		10	1.82
Wadena	15	12		27	4.97
Waseca	1	1		2	0.46
Washington	8	3		11	2.60
Watonwan	0	0		0	0.00
Wilkin	2	0		2	0.27
Winona	6	9		15	2.34
Wright	4	10		14	1.96
Yellow Medicine	1	5		6	0.79
Unknown	0	0		0	
Total	578	720	6	1,304	

Table 17. Comparison of otter harvest by county, 2009-2020.

County	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Aitkin	54	59	107	111	90	67	74	61	33	34	25	22
Anoka	26	8	13	31	25	23	20	12	18	15	13	9
Becker	39	53	95	127	87	77	83	21	27	42	24	19
Beltrami	74	77	112	120	98	74	76	43	40	51	34	67
Benton	3	13	13	21	17	8	1	3	3	6	8	3
Big Stone	1	0	3	3	9	8	3	1	6	3	0	10
Blue Earth	0	0	2	3	1	2	1	3	3	2	4	8
Brown	0	0	0	0	0	0	2	2	0	0	1	0
Carlton	30	35	29	38	37	26	42	32	9	12	9	18
Carver	6	5	15	8	9	17	11	8	8	12	8	3
Cass	90	135	140	183	161	193	172	74	92	98	63	56
Chippewa	0	5	7	8	12	6	4	3	8	8	7	6
Chisago	18	23	19	24	32	26	20	12	18	12	10	20
Clay	7	23	42	23	16	14	18	10	10	11	1	3
Clearwater	19	38	41	46	47	23	38	21	33	21	11	12
Cook	16	19	36	55	57	28	9	4	0	4	1	1
Cottonwood	0	0	0	0	0	0	0	0	0	1	0	0
Crow Wing	76	66	107	117	96	83	59	35	41	55	36	52
Dakota	7	1	0	11	10	6	13	3	8	10	4	6
Dodge	0	3	1	1	3	4	2	0	3	2	3	6
Douglas	11	14	34	37	23	33	22	21	15	15	13	18
Faribault	0	0	1	12	3	1	3	5	9	3	11	10
Fillmore	1	5	5	10	6	13	3	3	4	1	4	8
Freeborn	0	5	10	10	1	7	6	2	11	7	20	10
Goodhue	7	11	7	18	2	2	11	4	9	0	2	7
Grant	6	1	8	12	6	13	4	3	5	2	2	7
Hennepin	6	2	3	4	5	6	3	2	2	9	4	7
Houston	11	11	10	26	22	14	9	2	8	10	6	14
Hubbard	41	52	42	67	61	36	32	26	39	30	23	31
Isanti	18	14	9	18	28	23	13	17	13	10	9	14
Itasca	191	247	281	346	345	184	159	67	84	123	76	79
Jackson	0	0	0	0	0	0	1	0	0	1	0	0
Kanabec	23	17	22	52	45	34	26	20	29	7	8	20
Kandiyohi	6	8	8	10	20	20	23	17	18	19	23	17
Kittson	3	8	2	9	7	4	0	8	8	5	5	2
Koochiching	61	81	62	127	115	55	68	19	16	13	20	12
Lac Qui Parle	0	2	6	15	6	1	7	0	8	0	2	10
Lake	45	28	36	66	67	45	26	23	12	13	11	22
Lake of the Woods	8	15	27	27	27	31	31	8	16	20	11	9

Table 17 (continued). Comparison of otter harvest by county, 2009-2020.

County	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Le Sueur	0	3	0	9	5	2	2	4	3	4	6	3
Lincoln	0	0	0	4	0	0	0	0	2	0	0	1
Lyon	0	0	0	0	0	0	0	0	1	0	0	4
Mahnomen	7	9	20	15	25	7	6	3	9	16	9	12
Marshall	0	13	13	15	15	4	9	12	15	10	5	7
Martin	0	0	0	1	0	0	1	1	1	1	1	1
McLeod	8	12	18	19	22	18	16	14	16	26	16	25
Meeker	16	12	28	19	32	35	23	11	26	29	32	18
Mille Lacs	28	19	15	30	39	28	16	13	26	14	12	14
Morrison	31	29	29	52	52	50	31	22	24	35	33	32
Mower	0	8	20	14	9	8	2	13	7	11	13	14
Murray	0	0	0	0	0	0	1	0	0	0	0	0
Nicollet	0	2	1	5	7	1	0	0	4	3	0	6
Nobles	0	0	0	0	0	4	0	0	0	0	0	0
Norman	11	12	21	45	27	19	13	9	8	5	2	2
Olmsted	3	2	3	0	7	7	5	3	5	4	8	8
Otter Tail	32	65	109	173	154	97	87	92	100	82	71	89
Pennington	1	4	2	12	5	8	8	11	2	7	2	4
Pine	37	38	44	66	98	59	86	48	20	36	35	24
Pipestone	0	0	0	0	0	0	0	1	1	0	0	1
Polk	19	36	49	83	71	47	37	20	12	14	12	38
Pope	12	11	20	22	14	19	8	19	8	14	19	4
Ramsey	0	0	0	3	1	1	1	0	0	0	0	0
Red Lake	20	22	19	26	11	10	14	13	1	3	3	13
Redwood	0	0	2	4	6	8	3	0	2	4	3	1
Renville	0	0	1	6	0	3	1	1	6	1	1	6
Rice	0	1	9	4	8	1	2	6	3	8	4	8
Rock	0	0	0	2	0	0	0	2	0	2	0	2
Roseau	23	32	33	64	48	44	23	24	22	20	20	39
Scott	1	4	2	4	3	2	4	5	4	7	8	14
Sherburne	17	7	19	12	9	10	10	11	8	9	3	7
Sibley	0	6	6	6	3	2	3	2	2	5	10	7
St. Louis	233	253	239	363	293	258	260	109	146	127	105	134
Stearns	24	13	41	53	53	41	50	45	28	34	22	29
Steele	0	1	0	3	1	0	1	3	3	4	6	4
Stevens	1	6	1	3	12	4	2	1	1	3	2	0
Swift	5	2	11	10	10	9	3	7	7	13	4	12
Todd	32	41	63	55	55	19	28	22	24	18	14	12
Traverse	2	0	1	4	1	0	3	7	4	11	3	4

Table 17 (continued). Comparison of otter harvest by county, 2009-2020.

County	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Wabasha	18	7	8	20	21	19	9	11	11	17	9	10
Wadena	15	16	20	43	30	30	19	5	8	8	11	27
Waseca	0	0	0	0	0	2	2	0	0	1	1	2
Washington	11	16	18	12	24	27	9	12	20	13	5	11
Watonwan	0	0	0	0	1	0	0	0	0	1	0	0
Wilkin	0	0	0	3	2	0	3	1	2	2	4	2
Winona	13	15	20	21	17	5	17	6	13	7	16	15
Wright	8	11	17	23	26	21	21	11	22	33	7	14
Yellow Medicine	0	0	0	7	9	0	3	0	2	2	1	6
Unknown	12	2	17	40	2	18	18	0	0	0	0	0
Totals	1,544	1,814	2,294	3,171	2,824	2,154	1,955	1,195	1,295	1,351	1,050	1,304

Table 18. Otter harvest by sex and week, 2020-21 season.

Date	Sex			Total Harvest	% of Total	Cumulative %
	Female	Male	Unknown			
Oct.24 - Oct.30	37	50		87	6.67	6.67
Oct.31 - Nov.6	92	137	2	231	17.71	24.39
Nov.7 - Nov.13	77	98	2	177	13.57	37.96
Nov.14 - Nov.20	61	55	2	118	9.05	47.01
Nov.21 - Nov.27	56	57		113	8.67	55.67
Nov.28 - Dec.4	59	72		131	10.05	65.72
Dec.5 - Dec.11	40	49		89	6.83	72.55
Dec.12 - Dec.18	43	54		97	7.44	79.98
Dec.19 - Dec.25	36	48		84	6.44	86.43
Dec.26 - Jan.1	31	30		61	4.68	91.10
Jan.2 - Jan.8	13	17		30	2.30	93.40
Jan.9 - Jan.15	14	27		41	3.14	96.55
Jan.16 - Jan.24*	18	26		44	3.37	99.92
Unknown	1	0		1	0.08	100.00
Total	578	720	6	1,304	100%	

* 9-day interval.

Table 19. Distribution of otter harvest* among trappers, 1994-2020.

Number (%) of Takers	Number Taken				Total Takers	Ave. Take
	1	2	3	4		
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
2018-19	276 (44)	134 (21)	78 (12)	142 (23)	630	2.1
2019-20	206 (42)	107 (22)	59 (12)	113 (23)	485	2.2
2020-21	258 (42)	135 (22)	90 (15)	126 (21)	609	2.1

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