



890455

3 copies



1988

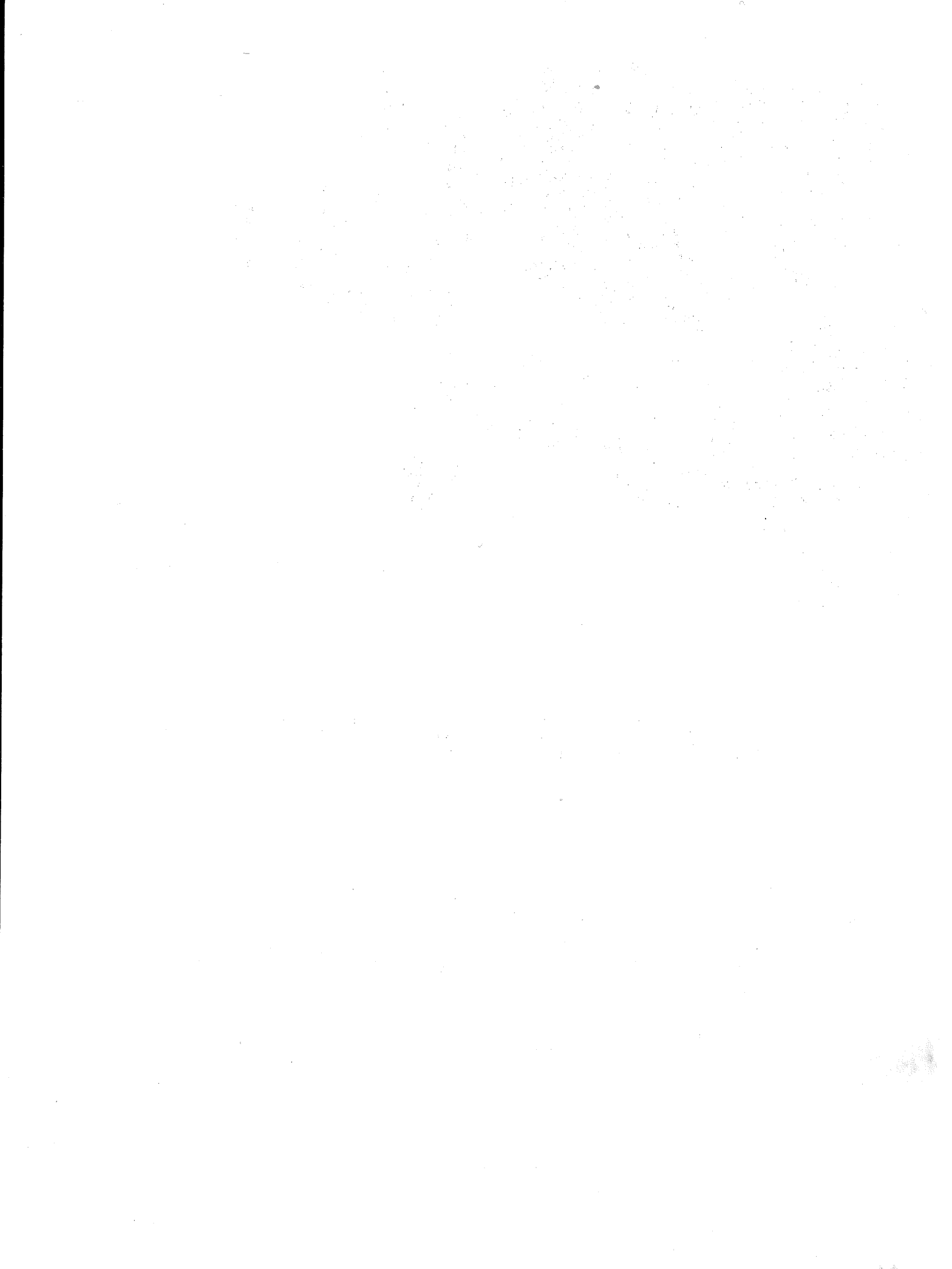
This document is made available electronically by the Minnesota Legislative Reference Library as part of an ongoing digital archiving project. <http://www.leg.state.mn.us/lrl/lrl.asp>
(Funding for document digitization was provided, in part, by a grant from the Minnesota Historical & Cultural Heritage Program.)

DEER HARVEST REPORT

**MINNESOTA
DEPARTMENT OF NATURAL RESOURCES
500 LAFAYETTE ROAD
ST. PAUL, MINNESOTA 55155**

SK
301
.M56ax
1988

LEGISLATIVE REFERENCE LIBRARY
645 State Office Building
Saint Paul, Minnesota 55155



1988 MINNESOTA DEER HARVEST REPORT
TABLE OF CONTENTS

	Page
HARVEST STATISTICS ON STATEWIDE BASIS	
Table 1. Statewide license sales, harvests, and success rates for 1988 Firearms deer season	2
Table 2. Statewide Firearms, Archery, and Muzzleloader harvests, license sales, and success rates 1981-1988	3
Table 3. Antlerless permit drawing statistics, 1988.	4
Table 4. 1988 Antlerless Permit Distribution and Drawing Statistics	5
Table 5. Statewide Firearms harvest, 1977-1988	10
Table 6. Antlerless Permit Area Bonus License provision results, 1988	11
HARVEST STATISTICS ON ZONE BASIS	
Figure 1. 1988 Firearms deer season zones and dates.	12
Table 7. Firearm deer hunter time and zone option selection, 1984-88	13
Table 8. Total Firearms deer harvest by zone, 1988.	14
Table 9. Antlerless Firearms deer harvest by zone, 1988	15
Table 10. Buck Deer Firearms harvest by zone, 1988	16
HARVEST STATISTICS ON A DEER MANAGEMENT UNIT (DMU) BASIS	
Figure 2. Deer Management Units (DMU's) and Sub-DMU's	17
Table 11. Firearms deer harvest by day, 1988 Percent of kill by zone for antlered bucks and permit deer..	18
HARVEST STATISTICS ON A BLOCK AND PERMIT AREA BASIS	
Figure 3. Registration block map	19
Table 12. Harvest and success rates by DMU and Sub-DMU, 1988.	20
Table 13. Registered harvest and harvest/mi ² and antlerless success by Block and Permit Area, 1988.	22
HARVEST STATISTICS ON A COUNTY BASIS	
Table 14. Registered harvest and harvest/mi ² by Block within Deer Management Unit (DMU), 1982-1988.	28
Figure 4. Counties of Minnesota.	34
Table 15. Registered firearms kill by county, 1988.	35
HARVEST STATISTICS FOR SPECIAL AREA HUNTS	
Table 16. 1988 Firearms Special Permit Areas information	37
BOW AND ARROW HARVEST STATISTICS	
Table 17. Statewide Bow and Arrow deer statistics, 1988.	38
Table 18. Archery deer harvest by county, 1988	39
Table 19. Archery deer harvest by county, 1980-1988.	41
Table 20. 1988 Bow and Arrow registered deer harvest by Kill-Block and Sub-DMU.	44
Table 21. 1988 Archery Special Permit Areas information (No. bonus licenses).	50
Table 22. Metro Bonus Bow Hunt results, 1988	51
SPECIAL MUZZLELOADER HARVEST STATISTICS	
Table 23. 1988 deer harvest in Special Muzzleloader Season	52
Table 24. 1988 Muzzleloader Permit Area Information	53
Table 25. Special Muzzleloader Season Harvests, 1981-1988	54

Table 1. Statewide license sales, harvests, and success rates for 1988
Firearms deer season.

Firearms licenses sold ² (3-16-89 report)	407,775
Corrected total	_____
Statewide registered Firearms deer harvest	138,946

Statewide registered Buck ³ harvest	80,065
Buck proportion of total kill	57.6%
Statewide registered Antlerless harvest	58,881
Antlerless proportion of total kill	42.4%
Antlerless permits offered, statewide ⁴	111,175
Bonus licenses offered, statewide	1,953
Antlerless permits issued, statewide	109,994
Bonus licenses issued, statewide	678
Buck-only hunters (License minus permits and bonus licenses) ⁵	297,103
Overall firearms hunter success by registration	34.1%
Antlerless permit holder success by registration ⁶	53.0%
Buck-only hunter success by registration	27.0%

¹ Harvest figures include deer taken during the Special Muzzleloader Season.

² Includes Special Muzzleloader as well as Regular Firearms licenses.

³ Bucks include adult males and unidentified deer. Adult females and all fawns classed as antlerless deer.

⁴ See Table 3 for antlerless quotas, additional permits, etc.

⁵ Includes Special Muzzleloader Season hunters.

⁶ Includes success for only those antlerless permit and bonus license holders taking antlerless deer. Does not include bucks taken by antlerless permit or bonus license holders.

Table 2. Statewide Firearms, Archery, and Muzzleloader harvests, license sales, and success rates 1981-1988.

	1981	1982	1983	1984	1985	1986	1987	1988
<u>REGULAR FIREARMS</u>								
Res. Lic. Sales	369,425	369,018	391,099	396,074	408,056	412,079	412,429	402,167 ¹
Non-Res. Lic. Sales	2,973	3,038	3,611	4,307	4,961	4,473	4,930	5,608 ¹
Total Lic. Sales	372,398	372,056	394,710	400,381	413,017	416,555	417,358	407,775 ¹
Registered Buck Kill ²	60,034	54,305	62,481	58,966	62,603	60,980	77,619	80,065
No. Antlerless Permits	84,405	89,925	156,350	150,375	167,725	130,519	109,731	109,994
Registered AL Kill	32,993	38,740	69,976	73,076	75,462	68,790	57,384	58,881
Registered Total Kill	93,027	93,045	132,457	132,042	138,065	129,770	135,003	138,946
Registered % Successful	25.0	25.0	33.6	33.0	33.4	31.2	32.4	34.1
<u>ARCHERY</u>								
Res. Lic. Sales	50,063	54,062	55,803	61,576	66,724	67,745	68,809	66,174 ¹
Non-Res. Lic. Sales	906	848	470	583	589	547	604	737 ¹
Total Lic. Sales	50,969	54,910	56,273	62,159	67,313	68,292	69,413	66,911 ¹
Registered Kill	5,535	5,566	5,977	6,390	7,575	7,610	7,535	8,262
Registered % Successful	10.9	10.1	10.6	10.3	11.3	11.1	10.9	13.1
<u>MUZZLELOADER</u>								
Registered Kill	385	441	652	532	563	593	535	686
TOTAL Registered Kill	98,947	99,052	139,086	138,941	146,203	137,923	143,073	148,394

¹ Estimate as of 03/16/89.

² Bucks include adult males and unidentified deer.

Table 3. Antlerless permit drawing statistics, 1988. (Revised 1-12-89)

Number of areas with permits available.....	108
Total number of permits offered.....	111,175
Total number of applications received.....	282,015
Total number of rejected applications.....	11,779
Summary of errors causing application rejection:	
Driver's license errors.....	7,586
Birthdate blank or impossible.....	843
Permit area requested not valid.....	1,083
No signature.....	845
Birthdate did not match licence file.....	2,361
Late postmark.....	12
Duplicate application.....	201
Age not 12-18 under youth drawing.....	408
Firearms Safety number invalid.....	76
Total number of valid applications.....	270,236
Total number of permits issued.....	109,994
Total number of permits not issued	1,181
Number of permit areas undersubscribed.....	8

Table 4. 1988 Antlerless Permit Distribution and Drawing Statistics.

Permit Area Number	No. of Permits Offered	Total Valid Applic.	Firearms Safety	Number of applications received (permits issued)						Permits Left over	
				Highest	6	5	4	3	2		Lowest
104											
105	700	2592	144 (38)		2 (2)		566 (566)	775 (94)*	698 (0)	455 (0)	0
106											
107											
108	2000	5491	301 (116)		4 (4)		729 (729)	1661 (1151)*	1650 (0)	1124 (0)	0
109											
195											
110	300	994	50 (15)		0		208 (208)	275 (77*)	286 (0)	173 (0)	0
119											
120	3500	5489	276 (178)		4 (4)		68 (68)	1347 (1347)	2383 (1903*)	1381 (0)	0
121											
122											
123	1300	2772	141 (67)		3 (3)		235 (235)	818 (818)	931 (177*)	635 (0)	0
124											
125											
126											
128	750	990	53 (42)		3 (3)		30 (30)	106 (106)	183 (183)	616 (386)*	0
129											
154											
155	1100	7204	395 (61)	130 (130)	1157 (909)*	1520 (0)	1600 (0)	1243 (0)	1272 (0)	0	
156											
157	750	6524	388 (46)	136 (136)	1276 (568)*	1293 (0)	1367 (0)	972 (0)	1070 (0)	0	
158											
159	750	4086	218 (40)	1 (1)	633 (633)	856 (76)*	929 (0)	715 (0)	709 (0)	0	
167											
168	1750	12613	606 (86)		224 (224)	4163 (1440)*	3535 (0)	2273 (0)	1762 (0)	0	
169											
170											
171											
172	2250	18445	960 (115)		2225 (2135)*	4890 (0)	4482 (0)	3056 (0)	2737 (0)	0	
173											
174											

Table 4. Continued

Permit Area Number	No. of Permits Offered	Total Valid Applic.	Firearms Safety	Number of applications received (permits issued)						Permits Left over	
				Highest - Preference Level							Lowest
				6	5	4	3	2	1		
175											
176											
177	4000	11485	762 (269)		10 (10)	2106 (2106)	3341 (1615)*	2995 (0)	2217 (0)	0	
178											
179											
180											
181	6000	15336	823 (321)	3 (3)	42 (42)	2300 (2300)	4318 (3334)*	4623 (0)	3174 (0)	0	
182											
183											
199											
197	750	2950	156 (40)		9 (9)	684 (684)	868 (17)*	680 (0)	543 (0)	0	
198											
201	300	586	35 (19)			2 (2)	113 (113)	281 (166)*	154 (0)	0	
202	1100	1413	78 (59)		2 (2)	18 (18)	67 (67)	748 (748)	493 (206)*	0	
203	500	774	40 (26)		1 (1)	6 (6)	178 (178)	320 (289)*	224 (0)	0	
204	1500	2322	166 (108)		1 (1)	9 (9)	412 (412)	1042 (970)*	676 (0)	0	
205	800	1635	113 (57)			12 (12)	431 (431)	653 (300)*	420 (0)	0	
206	1200	1528	90 (84)			7 (7)	39 (39)	889 (889)	490 (181)*	0	
207	1100	1408	98 (77)		1 (1)	12 (12)	177 (177)	722 (722)	393 (111)*	0	
208	700	806	64 (57)			3 (3)	30 (30)	444 (444)	264 (166)*	0	
209	1100	1103	88 (87)			2 (2)	29 (29)	588 (588)	393 (393)	1	
210	1000	1787	111 (61)			8 (8)	44 (44)	1009 (887)*	605 (0)	0	
211											
212	1000	3707	217 (59)		1 (1)	810 (810)	781 (130)*	1174 (0)	712 (0)	0	
213											
221	600	2051	183 (54)		1 (1)	454 (454)	568 (91)*	524 (0)	311 (0)	0	
222	750	2130	159 (55)		6 (6)	348 (348)	633 (341)*	519 (0)	458 (0)	0	
223	600	1584	114 (43)		3 (3)	6 (6)	383 (383)	659 (165)*	416 (0)	0	
224	200	612	53 (18)			1 (1)	93 (93)	276 (88)*	184 (0)	0	
225	1000	3543	220 (62)		8 (8)	130 (130)	1165 (800)*	1101 (0)	911 (0)	0	
226	1100	3248	224 (77)		6 (6)	22 (22)	958 (958)	1095 (37)*	933 (0)	0	
235	150	347	20 (9)			1 (1)	82 (82)	113 (58)*	129 (0)	0	
236	1000	1224	68 (54)		2 (2)	15 (15)	67 (67)	600 (600)	469 (262)*	0	
244	3000	10836	638 (169)		15 (15)	1345 (1345)	3243 (1471)*	3780 (0)	2333 (0)	0	
245											

Table 4. Continued

Permit Area Number	No. of Permits Offered	Total Valid Applic.	Number of applications received (permits issued)							Permits Left over
			Firearms Safety	Highest - Preference Level					Lowest	
				6	5	4	3	2		
246	1500	8852	605 (105)		4 (4)	1197 (1197)	3153 (194)*	2171 (0)	1677 (0)	0
247	500	3752	236 (30)		8 (8)	752 (462)*	1246 (0)	945 (0)	796 (0)	0
248	300	1079	66 (18)			116 (116)	381 (166)*	324 (0)	223 (0)	0
249	500	2913	216 (37)		1 (1)	478 (462)*	950 (0)	820 (0)	595 (0)	0
251	200	726	38 (10)			62 (62)	262 (128)*	203 (0)	156 (0)	0
284										
285	4000	10646	660 (250)		7 (7)	959 (959)	3230 (2784)*	3638 (0)	2144 (0)	0
286										
287	300	529	26 (14)	1 (1)	1 (1)	43 (43)	152 (152)	173 (89)*	132 (0)	0
296	300	1480	99 (20)		2 (2)	221 (221)	407 (57)*	380 (0)	371 (0)	0
337										
340	600	747	50 (39)		1 (1)	5 (5)	30 (30)	309 (309)	354 (216)*	0
338	700	722	55 (53)		1 (1)	3 (3)	20 (20)	328 (328)	314 (295)*	0
339	1000	848	62 (62)		1 (1)	2 (2)	67 (67)	359 (359)	357 (357)	152
341	1900	2100	148 (134)		1 (1)	1 (1)	96 (96)	1070 (1070)	773 (598)*	0
342	1200	1486	122 (98)			2 (2)	265 (265)	605 (605)	488 (230)*	0
343	2000	1395	119 (119)		1 (1)	2 (2)	9 (9)	611 (611)	642 (642)	616
344	1000	1689	125 (73)			2 (2)	276 (276)	663 (649)*	619 (0)	0
345	1100	1475	105 (79)				104 (104)	739 (739)	514 (178)*	0
346	2000	2020	144 (130)		1 (1)	2 (2)	17 (17)	1149 (1149)	695 (695)	6
347	1100	1166	108 (103)			4 (4)	52 (52)	585 (585)	416 (256)*	0
348	1000	1408	108 (81)		1 (1)	2 (2)	165 (165)	679 (679)	449 (72)*	0
349	1900	2246	147 (126)			1 (1)	19 (19)	1243 (1243)	825 (511)*	0
401	400	377	33 (33)			2 (2)	8 (8)	184 (184)	147 (147)	26
402	600	608	34 (34)				5 (5)	306 (306)	263 (255)*	0
403	600	612	47 (47)			1 (1)	9 (9)	335 (335)	217 (208)*	0
404	1100	1417	99 (75)		1 (1)	6 (6)	68 (68)	763 (763)	474 (187)*	0
405	1700	1303	96 (96)			7 (7)	16 (16)	713 (713)	465 (465)*	403
406	1200	1172	71 (71)			4 (4)	10 (10)	631 (631)	451 (451)	33
407	1500	1479	107 (107)		1 (1)	4 (4)	11 (11)	760 (760)	594 (594)	23
408	1000	1218	106 (86)		1 (1)	2 (2)	16 (16)	668 (668)	420 (227)*	0
409	2000	2677	215 (160)		1 (1)	8 (8)	351 (351)	1368 (1368)	722 (112)*	0
410	3400	4553	291 (229)			10 (10)	572 (572)	2189 (2189)	1480 (400)*	0
411	3600	4370	297 (243)		3 (3)	7 (7)	415 (415)	2312 (2312)	1316 (620)*	0
412	2000	3772	264 (142)			10 (10)	717 (717)	1744 (1131)*	1022 (0)	0

Table 4. Continued

Permit Area Number	No. of Permits Offered	Total Valid Applic.	Firearms Safety	Number of applications received (permits issued)					Permits Left over	
				Highest - Preference Level						Lowest
				6	5	4	3	2		
413	1200	2832	194 (82)			8 (8)	780 (780)	1162 (330)*	680 (0)	0
414	1200	2987	226 (91)			45 (45)	1008 (1008)	1013 (56)*	675 (0)	0
415	800	2275	171 (59)		1 (1)	165 (165)	651 (575)*	765 (0)	522 (0)	0
416	1000	1853	117 (62)		1 (1)	4 (4)	410 (410)	828 (523)*	491 (0)	0
417	1750	3847	273 (124)		2 (2)	12 (12)	899 (899)	1560 (713)*	1089 (0)	0
418	650	2348	207 (60)		1 (1)	183 (183)	742 (406)*	708 (0)	556 (0)	0
419	750	1912	132 (50)			83 (83)	550 (550)	632 (67)*	511 (0)	0
420	800	882	72 (64)				21 (21)	437 (437)	350 (278)*	0
421	550	758	59 (43)				76 (76)	366 (366)	259 (65)*	0
422	450	548	33 (27)			1 (1)	78 (78)	274 (274)	161 (70)*	0
423	500	769	59 (39)			2 (2)	144 (144)	341 (315)*	218 (0)	0
424	350	797	71 (31)			1 (1)	169 (169)	319 (149)*	235 (0)	0
425	200	303	28 (22)				55 (55)	112 (112)	107 (11)*	0
426	300	951	70 (22)			98 (98)	299 (180)*	302 (0)	198 (0)	0
427	200	976	70 (14)			196 (186)*	259 (0)	257 (0)	223 (0)	0
428	400	1147	98 (34)		1 (1)	112 (112)	344 (253)*	344 (0)	254 (0)	0
431	400	807	61 (30)			2 (2)	179 (179)	318 (189)*	240 (0)	0
432										
433	1100	2921	227 (88)	1 (1)	1 (1)	134 (134)	714 (714)	1145 (162)*	688 (0)	0
434										
436	1000	1719	130 (79)			3 (3)	283 (283)	762 (635)*	539 (0)	0
437										
438	450	1526	101 (30)			229 (229)	440 (191)*	427 (0)	321 (0)	0
439										
442										
443	1000	3493	269 (73)			642 (642)	1093 (285)*	1005 (0)	705 (0)	0
444										
446	625	795	61 (48)		1 (1)	1 (1)	93 (93)	391 (391)	242 (91)*	0
447	425	673	46 (29)			3 (3)	134 (134)	280 (259)*	210 (0)	0
448	500	955	66 (35)			64 (64)	264 (264)	307 (137)*	252 (0)	0
449	750	1425	101 (53)			84 (84)	429 (429)	467 (184)*	336 (0)	0
450	300	631	43 (21)			1 (1)	114 (114)	262 (164)*	210 (0)	0

Table 4. Continued

Permit Area Number	No. of Permits Offered	Total Valid Applic.	Firearms Safety	Number of applications received (permits issued)						Permits Left over	
				Highest - Preference Level							
				6	5	4	3	2	1		
451	600	956	92 (58)			14 (14)	310 (310)	291 (218)*	247 (0)	0	
452	550	565	45 (45)			3 (3)	79 (79)	214 (214)	221 (209)*	0	
453	350	642	39 (21)			1 (1)	158 (158)	252 (170)*	190 (0)	0	
454	550	1360	111 (46)		1 (1)	40 (40)	383 (383)	484 (80)*	336 (0)	0	
455	175	220	9 (7)				29 (29)	105 (105)	76 (34)	0	
456	450	834	38 (20)			49 (49)	263 (263)	267 (118)*	214 (0)	0	
457	300	863	66 (24)			76 (76)	258 (200)*	290 (0)	187 (0)	0	
458	250	714	40 (14)			100 (100)	197 (136)*	214 (0)	164 (0)	0	
459	500	1320	79 (29)			227 (227)	354 (244)*	356 (0)	312 (0)	0	
461	400	1384	95 (28)			163 (163)	412 (209)*	413 (0)	321 (0)	0	
462	700	1544	89 (41)			7 (7)	446 (446)	532 (206)*	458 (0)	0	
463	300	875	85 (29)			147 (147)	259 (124)*	213 (179)	179 (0)	0	
464	400	828	59 (28)			2 (2)	273 (273)	272 (97)*	219 (0)	0	
465	300	544	33 (26)			2 (2)	105 (105)	202 (167)*	202 (0)	0	
466	500	1157	73 (31)			2 (2)	264 (264)	457 (203)*	358 (0)	0	
467	400	804	68 (36)			2 (2)	94 (94)	329 (268)*	309 (0)	0	
Totals	111,175	266,536	16,960 (7,366)		272 (272)	5685 (4639)	29,683 (18,160)	62,130 (32,901)	87,887 (36,477)	63,270 (10,179)	1260

*This is the preference level at which a drawing was necessary. Higher levels automatically receive permits. Any preference level below that at which the drawing was held was not included in the drawing. A drawing at level #1 means that some persons who had a permit last year and some persons applying for the first time received permits.

Table 5. Statewide Firearms harvest, 1977-1988 .

Year	Bucks ¹	Antlerless ²	Total
1988	80,065 (57.6%)	58,881 (42.4%)	138,946 ³
1987	77,619 (57.5%)	57,298 (42.5%)	135,003
1986	60,980 (47.0%)	68,790 (53.0%)	129,770
1985	62,603 (45.3%)	75,462 (54.7%)	138,065
1984	58,966 (44.7%)	73,076 (55.3%)	132,042
1983	62,481 (47.2%)	69,976 (52.8%)	132,457
1982	54,305 (58.4%)	38,740 (41.6%)	93,045
1981	60,034 (64.5%)	32,993 (35.5%)	93,027
1980	46,728 (68.2%)	21,811 (31.8%)	68,539
1979	31,251 (70.5%)	12,864 (29.5%)	44,340
1978	36,521 (77.1%)	10,244 (22.9%)	47,372
1977	36,683 (79.9%)	8,815 (20.1%)	45,918

¹ Includes adult males, and unidentified deer.

² Includes adult females and all fawns.

³ Special Muzzleloader Season included.

Table 6. Antlerless Permit Area Bonus License provision results, 1988.

Permit Area No.	No. Bonus Offered	Bonus Licenses Purchased	Bonus Deer Harvest ¹	Total Antlerless Harvest	Increase due to Bonus
339	152	74	14	313	4.7%
343	616	242	51	615	9.0%
346	700	186	55	1120	5.2%
401	26	10	4	159	2.6%
405	403	125	43	608	7.6%
406	33	10	9	560	1.6%
407	23	4	5	740	0.7%
Unknown	n.a.	27 ²	included above	included above	included above
7 Areas	1,953	678 ³	181	4,115	4.6%

¹ Number of hunters who took two antlerless deer in the same Area.

² Additional bonus license sales submitted in county auditor reports that do not show Permit Area distribution.

³ Total bonus license sales reported by County Auditors as of 3-16-89

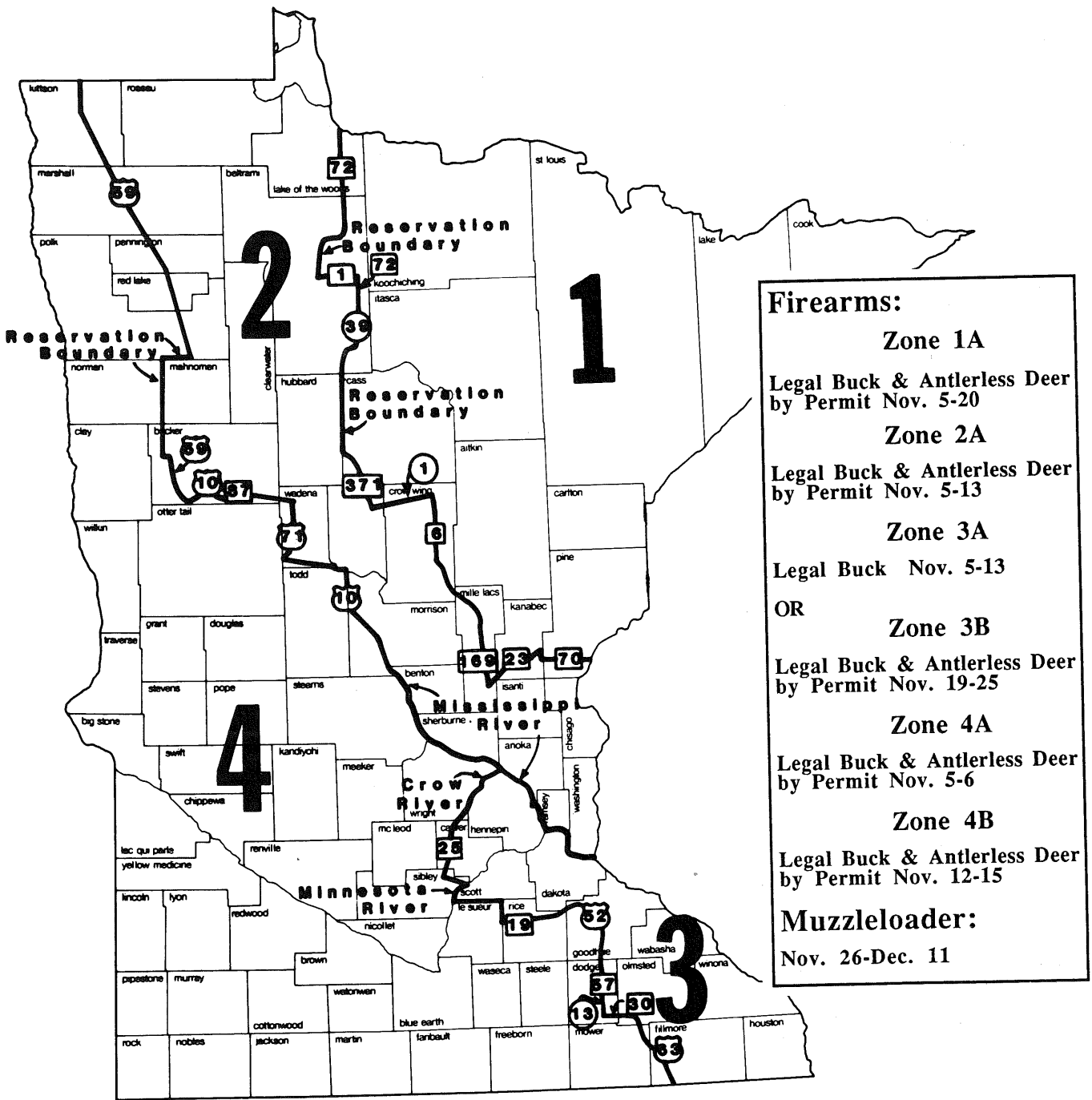


Figure 1.

Table 7. Firearm deer hunter time and zone option selection, 1984-88.

Option	Proportional Selecting				
	1984	1985	1986	1987	1988
Zone 1 ²	39.1%	37.3%	38.8%	37.4%	40.2%
Zone 2 ²	26.2%	26.7%	25.3%	26.2%	26.8%
Zone 3A ³	8.7% { 2.8% 5.9%	9.7% { 3.5% 6.2%	8.4% { 2.6% 5.8%	8.9% { 1.9% 7.0%	8.8% { 3.5% 5.3%
Zone 3B ²					
Zone 4A ²	25.3% { 14.0% 11.3%	25.7% { 14.2% 11.5%	27.0% { 16.1% 10.9%	27.1% { 16.9% 10.2%	23.5% { 15.9% 7.6%
Zone 4B ²					
ML ⁴	0.6%	0.6%	0.5%	0.5%	0.6%
Totals	99.9%	99.4%	100%	100/1%	99.9%

¹ Estimated by a sample from deer license copies submitted to DNR.

² Legal buck or antlerless deer by permit.

³ Legal buck

⁴ Special Season, either sex, designated areas.

Table 8. Total Firearms deer harvest by zone, 1988.

Zone	Deer Hunters ¹	License estimate and registration		Overall Success
		Deer Harvest	Percent of Harvest	
1	163926	42491	30.7%	26%
2	109284	34783	25.2%	32%
3	35884	14354	10.4%	40%
4	95827	46257	33.5%	48%
Unknown	-	342	2.47%	-
State	404921	138227		34%

¹ Projected by a sample of 16,609 deer licenses and License Center's estimate of 407,775 licenses (report of 3-16-89). Does not include muzzleloaders.

Table 9. Antlerless Firearms deer harvest by zone, 1988.

Zone	Permits Issued 2	Registered Kills		Permit Success
		Antlerless Taken 3	Percent of Harvest	
1	25900	13523	22.8%	52%
2	26300	14297	24.1%	54%
3	14726	7393	12.4%	50%
4	42990	23990	40.4%	56%
Unknown	-	183	.3%	-
State	109916	59386		54%

2
Includes bonus licenses issued.

3
Includes adult females and all fawns.

Table 10. Buck Deer Firearms Deer Harvest by Zone, 1988.

Zone	Buck ¹ Hunters	Registered Kills		
		Bucks ² Registered	Percent of Harvest	Buck Hunter ³ Success
1	138,026	28,968	36.7%	21%
2	106,684	20,486	26.0%	19%
3	21,158	6,961	8.8%	33%
4	52,839	22,267	28.2%	42%
Unknown	-	159	-	-
State	318,707	78,841		25%

¹ License sales estimate minus permit holders.
Permit holders who took bucks not included here.

² Includes adult males, unknown age males, and unidentified deer taken by both buck-only hunters and antlerless permit holders.

³ Success is inflated because permit holders who took bucks cannot be sorted out.

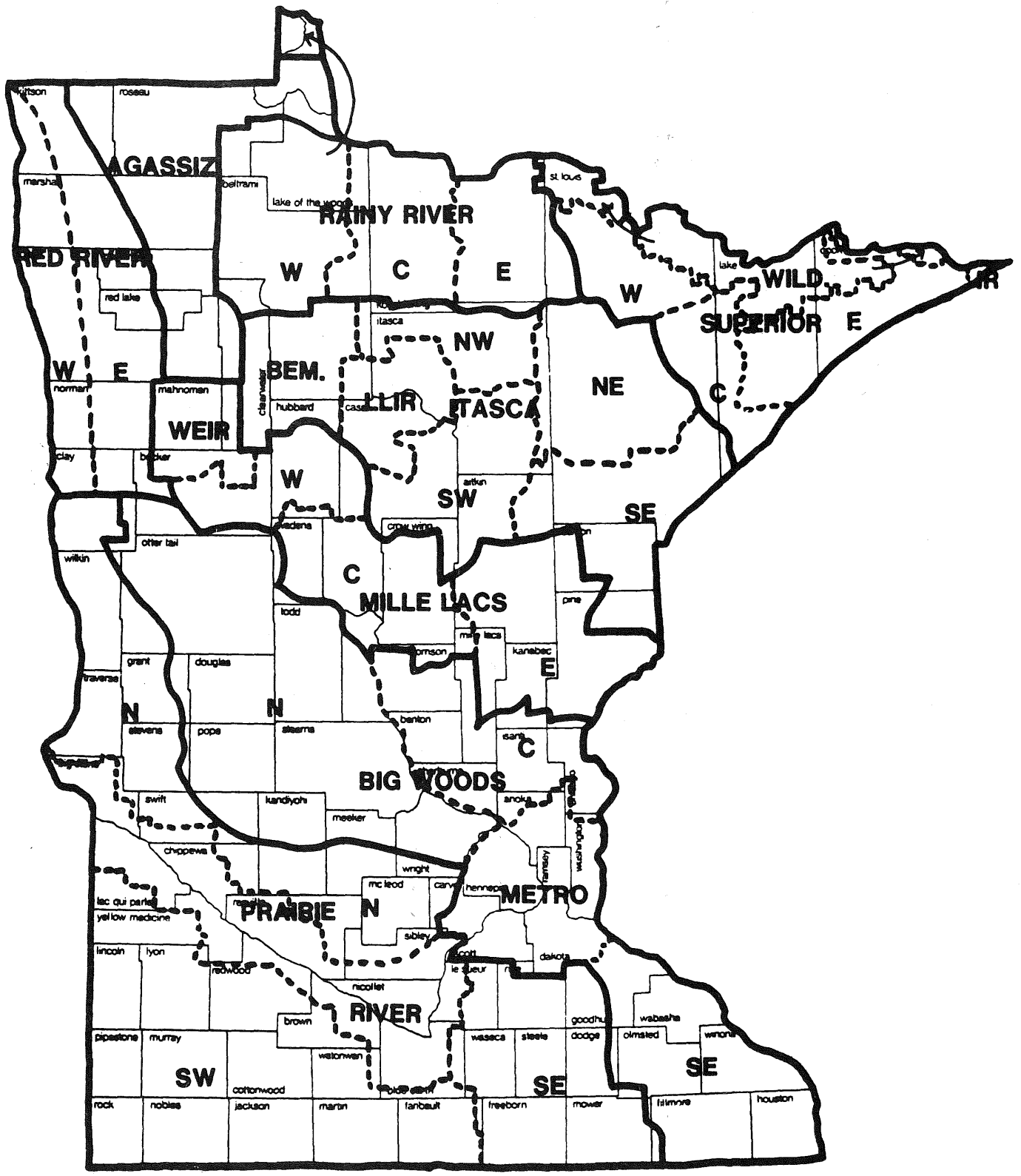


Figure 2. Deer Management Units (DMU's) and Sub-DMU's.

Table 11. Firearms deer harvest by date, 1988.
 Percent of kill by zone for antlered bucks and permit deer

Day of Season	Zone 1		Zone 2		Zone 3		Zone 4		State	
	Bucks	Permit	Bucks	Permit	Bucks	Permit	Bucks	Permit	Bucks	Permit
Nov 5	31.9	22.4	36.7	26.1	21.7	.4	38.7	34.4	34.1	25.4
6	22.3	21.1	23.0	24.0	15.5	.2	29.0	32.5	23.8	23.8
7	7.9	7.8	8.0	9.8	5.4	.0	.5	.4	5.6	4.3
8	4.8	4.5	5.1	5.3	3.8	.0	.1	.1	3.5	2.3
9	2.8	2.2	4.0	3.6	3.4	.0	.0	.0	2.4	1.4
10	2.7	2.3	3.5	3.5	3.8	.1	.0	.0	2.2	1.4
11	4.5	4.3	5.2	5.8	5.0	.0	.0	.0	3.5	2.4
12	6.4	6.7	6.7	8.9	5.3	.0	12.0	10.5	8.0	7.9
13	5.5	6.9	7.3	12.5	7.5	.0	10.4	11.8	7.5	9.3
14	1.2	1.3	.2	.2	.3	.1	5.5	6.3	2.1	2.9
15	.9	.9	.0	.0	.1	.0	3.3	3.8	1.3	1.7
16	.6	1.0	.0	.0	.0	.0	.1	.1	.2	.3
17	1.0	1.6	.0	.0	.0	.0	.0	.0	.4	.4
18	1.6	2.9	.0	.0	.0	.0	.0	.0	.6	.7
19	3.1	7.1	.0	.0	10.1	33.1	.0	.0	2.1	5.8
20	2.6	6.7	.0	.0	7.7	29.3	.0	.0	1.6	5.2
21	.0	.1	.0	.0	2.6	8.6	.0	.0	.2	1.1
22	.0	.0	.0	.0	1.3	4.6	.0	.0	.1	.6
23	.0	.0	.0	.0	1.6	5.1	.0	.0	.1	.6
24	.0	.0	.0	.0	1.8	7.9	.0	.0	.2	1.0
25	.0	.0	.0	.0	2.6	9.5	.0	.0	.2	1.2
26	.0	.0	.0	.0	.1	.7	.0	.0	.0	.1
27	.0	.0	.0	.0	.0	.1	.0	.0	.0	.0
Unknown	.2	.3	.2	.1	.3	.2	.2	.2	.2	.2
	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Figures within a zone do not total 100% because all unknown deer are not included (e.g. unknown block number or unknown date.)

Registration Block Map

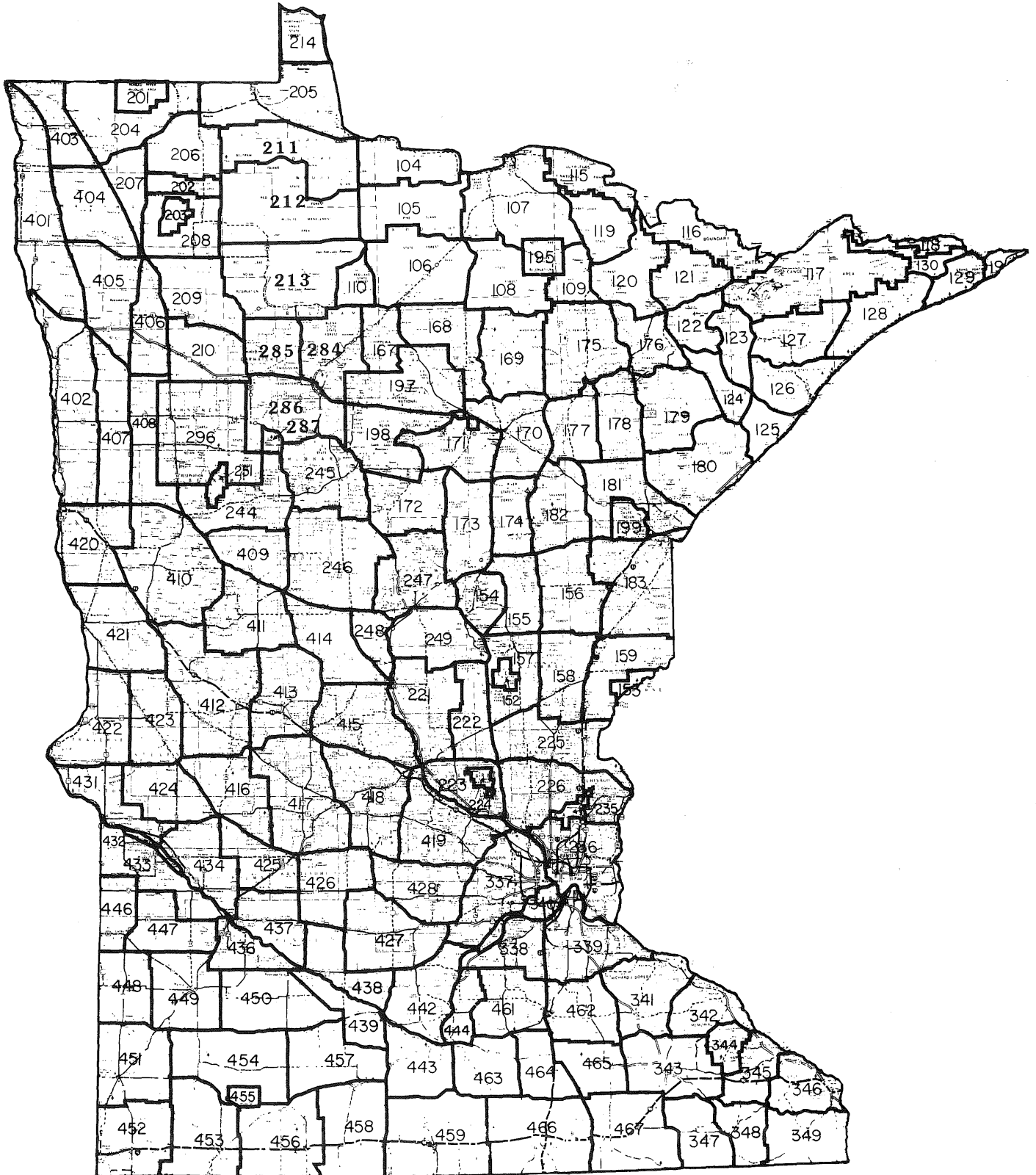


Figure 3.

TABLE 12. Harvest and success rates by DMU and Sub-DMU, 1988.

Unit	Permits Issued	Antlerless Registered	Permit 1 Bucks Success	Bucks Registered	Total Reg. Kill
Red River West	1000	419	41.9%	499	918
Red River East	7100	3369	47.5%	2275	5644
Sub-DMU Total	8100	3788	46.8%	2774	6562
Agassiz	9300	4600	49.5%	4322	8922
Sub-DMU Total	9300	4600	49.5%	4322	8922
Rainy River West	1000	566	56.6%	1530	2096
Rainy River Central	1000	568	56.8%	1567	2135
Rainy River East	2000	1029	51.5%	1622	2651
Sub-DMU Total	4000	2163	54.1%	4719	6882
Superior West	3500	1476	42.2%	1590	3066
Superior Wilderness	0	3	.0%	145	148
Superior Central	1300	643	49.5%	1272	1915
Grand Portage I. R.	0	0	.0%	3	3
Superior East	750	388	51.7%	975	1363
Sub-DMU Total	5550	2510	45.2%	3985	6495
Itasca NW	1750	1003	57.3%	2765	3768
Itasca SW	2250	1526	67.8%	4482	6008
Itasca NE	4000	1939	48.5%	3521	5460
Itasca SE	5000	2799	56.0%	3911	6710
Leech Lake Ind. Res	750	349	46.5%	826	1175
Bemidji	4300	2452	57.0%	3152	5604
Sub-DMU Total	18050	10068	55.8%	18657	28725
Mille Lacs West	3200	1827	57.1%	2605	4432
Mille Lacs Central	2800	1811	64.7%	4195	6006
Mille Lacs East	2600	1800	69.2%	6281	8081
W.E. Ind. Res.	300	172	57.3%	800	972
Sub-DMU Total	8900	5610	63.0%	13881	19491
Big Woods North	18350	9685	52.8%	7919	17604
Big Woods Central	4250	2500	58.8%	3404	5904
Big Woods Metro	1150	369	32.1%	468	837
Big Woods Metro	1700	813	47.8%	864	1677
Big Woods S.E.	13200	6580	49.8%	6089	12669

TABLE 12. Continued

Unit	Permits Issued	Antlerless Registered	Permit 1 Success	Bucks Registered	Total Reg. Kill
Sub-DMU Total	38650	19947	51.6%	18744	38691
Prairie North	3750	2107	56.2%	2331	4438
Prairie River	3950	2457	62.2%	2846	5303
Prairie Southwest	6325	4159	65.8%	4391	8550
Prairie Southeast	3000	1794	59.8%	1981	3775
Sub-DMU Total	17025	10517	61.8%	11549	22066
Unknown UNID	0	183	.0%	158	341 426
Total	109575	59203	54.0%	78631	138260

1

This assumes that bonus licenses make up for undersubscribed permits.

Table 13. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1988

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
110	300	89	388	197	585	4.35	2.21	6.56
115	0	303	33	2	35	.10	.00	.10
116	0	532	29	1	30	.05	.00	.05
117	0	1003	83	0	83	.08	.00	.08
126	0	471	314	114	428	.66	.24	.90
127	0	630	123	0	123	.19	.00	.19
128	750	500	393	228	621	.78	.45	1.23
129	0	208	134	46	180	.64	.22	.86
130	0	222	11	0	11	.04	.00	.04
152	0	47	134	2	136	2.85	.04	2.89
159	750	515	1487	487	1974	2.88	.94	3.82
194	0	73	3	0	3	.04	.00	.04
201	300	168	229	162	391	1.36	.96	2.32
202	1100	166	312	478	790	1.87	2.87	4.74
203	500	108	206	230	436	1.90	2.12	4.02
204	1500	747	884	893	1777	1.18	1.19	2.37
205	800	592	685	503	1188	1.15	.84	1.99
206	1200	458	534	598	1132	1.16	1.30	2.46
207	1100	306	449	549	998	1.46	1.79	3.25
208	700	466	225	294	519	.48	.63	1.11
209	1100	574	315	411	726	.54	.71	1.25
210	1000	1799	483	482	965	.26	.26	.52
221	600	649	501	415	916	.77	.63	1.40
222	750	429	566	518	1084	1.31	1.20	2.51
223	600	369	384	323	707	1.04	.87	1.91
224	200	45	89	81	170	1.97	1.80	3.77
225	1000	666	910	632	1542	1.36	.94	2.30
226	1100	751	954	531	1485	1.27	.70	1.97
235	150	61	76	53	129	1.24	.86	2.10
236	1000	730	392	316	708	.53	.43	.96
246	1500	1015	2211	970	3181	2.17	.95	3.12
247	500	651	946	334	1280	1.45	.51	1.96
248	300	135	293	157	450	2.17	1.16	3.33
249	500	543	745	350	1095	1.37	.64	2.01
251	200	66	147	110	257	2.22	1.66	3.88
296	300	1146	800	172	972	.69	.15	.84
338	700	373	220	276	496	.58	.73	1.31
339	1000	669	327	313	640	.48	.46	.94
341	1900	652	618	801	1419	.94	1.22	2.16
342	1200	396	494	553	1047	1.24	1.39	2.63
343	2000	656	637	615	1252	.97	.93	1.90

BUCKS includes adult males and unidentified deer taken by both buck-only hunters and antlerless permit holders.

AL includes adult females and all fawns.

Table 13. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1988

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
344	1000	184	581	533	1114	3.15	2.89	6.04
345	1100	332	576	685	1261	1.73	2.06	3.79
346	2000	374	885	1120	2005	2.36	2.99	5.35
347	1100	434	613	611	1224	1.41	1.40	2.81
348	1000	327	683	680	1363	2.08	2.07	4.15
349	1900	510	1002	982	1984	1.96	1.92	3.88
401	400	1024	239	159	398	.23	.15	.38
402	600	1023	260	260	520	.25	.25	.50
403	600	375	245	342	587	.65	.91	1.56
404	1100	619	512	591	1103	.82	.95	1.77
405	1700	638	410	608	1018	.64	.95	1.59
406	1200	412	299	560	859	.72	1.35	2.07
407	1500	596	446	740	1186	.74	1.24	1.98
408	1000	499	363	528	891	.72	1.05	1.77
409	2000	415	715	1174	1889	1.72	2.82	4.54
410	3400	1071	1115	1483	2598	1.04	1.38	2.42
411	3600	678	1015	1695	2710	1.49	2.50	3.99
412	2000	1158	932	1040	1972	.80	.89	1.69
413	1200	645	632	717	1349	.97	1.11	2.08
414	1200	566	718	689	1407	1.26	1.21	2.47
415	800	748	413	443	856	.55	.59	1.14
416	1000	592	616	670	1286	1.04	1.13	2.17
417	1750	978	860	990	1850	.87	1.01	1.88
418	650	781	511	396	907	.65	.50	1.15
419	750	770	392	388	780	.50	.50	1.00
420	800	639	299	381	680	.46	.59	1.05
421	550	718	295	271	566	.41	.37	.78
422	450	620	235	264	499	.37	.42	.79
423	500	542	301	313	614	.55	.57	1.12
424	350	502	317	241	558	.63	.48	1.11
425	200	431	121	107	228	.28	.24	.52
426	300	543	247	168	415	.45	.30	.75
427	200	737	281	150	431	.38	.20	.58
428	400	590	235	212	447	.39	.35	.74
431	400	454	276	257	533	.60	.56	1.16
446	625	296	245	368	613	.82	1.24	2.06
447	425	456	239	261	500	.52	.57	1.09
448	500	444	332	372	704	.74	.83	1.57
449	750	465	438	533	971	.94	1.14	2.08
450	300	874	181	173	354	.20	.19	.39
451	600	689	456	467	923	.66	.67	1.33

BUCKS includes adult males and unidentified deer taken by both buck-only hunters and antlerless permit holders.

AL includes adult females and all fawns.

Table 13. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1988

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
452	550	617	279	295	574	.45	.47	.92
453	350	742	313	215	528	.42	.28	.70
454	550	826	537	386	923	.65	.46	1.11
455	175	76	69	86	155	.90	1.13	2.03
456	450	755	307	287	594	.40	.38	.78
457	300	632	290	197	487	.45	.31	.76
458	250	739	259	172	431	.35	.23	.58
459	500	977	446	347	793	.45	.35	.80
461	400	509	288	242	530	.56	.47	1.03
462	700	530	377	419	796	.71	.79	1.50
463	300	454	198	197	395	.43	.43	.86
464	400	365	209	226	435	.57	.61	1.18
465	300	381	162	180	342	.42	.47	.89
466	500	942	410	277	687	.43	.29	.72
467	400	762	337	253	590	.44	.33	.77
-----			-----			-----		
	74625	54035	42776	39598	82374	.79	.73	1.52
104	700	457	283	87	370	.61	.19	.80
105		654	210	65	275	.32	.09	.41
106		911	686	219	905	.75	.24	.99
-----			-----			-----		
	700	2022	1179	371	1550	.58	.18	.76
107	2000	1007	820	525	1345	.81	.52	1.33
108		574	524	347	871	.91	.60	1.51
109		243	275	155	430	1.13	.63	1.76
195		140	3	2	5	.02	.01	.03
-----			-----			-----		
	2000	1964	1622	1029	2651	.82	.52	1.34
119	3500	412	718	647	1365	1.74	1.57	3.31
120		299	551	555	1106	1.84	1.85	3.69
121		370	321	274	595	.86	.74	1.60
-----			-----			-----		
	3500	1081	1590	1476	3066	1.47	1.36	2.83
122	1300	240	359	194	553	1.49	.80	2.29
123		274	191	116	307	.69	.42	1.11
124		276	264	125	389	.95	.45	1.40
125		238	458	208	666	1.92	.87	2.79

BUCKS includes adult males and unidentified deer taken by both buck-only hunters and antlerless permit holders.

AL includes adult females and all fawns.

Table 13. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1988

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
	1300	1028	1272	643	1915	1.23	.62	1.86
167	1750	272	572	180	752	2.10	.66	2.76
168		560	1019	377	1396	1.81	.67	2.48
169		657	1174	446	1620	1.78	.67	2.45
	1750	1489	2765	1003	3768	1.85	.67	2.53
170	2250	574	881	268	1149	1.53	.46	1.99
171		484	725	252	977	1.49	.52	2.01
172		509	1309	519	1828	2.57	1.01	3.58
173		544	1000	317	1317	1.83	.58	2.41
174		363	567	170	737	1.56	.46	2.02
	2250	2474	4482	1526	6008	1.81	.61	2.42
175	4000	754	1153	709	1862	1.52	.94	2.46
176		408	559	237	796	1.37	.58	1.95
177		413	407	200	607	.98	.48	1.46
178		455	399	182	581	.87	.40	1.27
179		659	1003	611	1614	1.52	.92	2.44
	4000	2689	3521	1939	5460	1.30	.72	2.03
180	5000	749	935	615	1550	1.24	.82	2.06
181		585	827	558	1385	1.41	.95	2.36
182		549	604	463	1067	1.10	.84	1.94
183		932	1443	1124	2567	1.54	1.20	2.74
199		155	102	39	141	.65	.25	.90
	5000	2970	3911	2799	6710	1.31	.94	2.25
197	750	629	558	251	809	.88	.39	1.27
198		426	268	98	366	.62	.23	.85
	750	1055	826	349	1175	.78	.33	1.11
154	1100	117	374	156	530	3.19	1.33	4.52
155		362	776	229	1005	2.14	.63	2.77
156		626	1172	378	1550	1.87	.60	2.47

BUCKS includes adult males and unidentified deer taken by both buck-only hunters and antlerless permit holders.

AL includes adult females and all fawns.

Table 13. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1988

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
	1100	1105	2322	763	3085	2.10	.69	2.79
157	750	392	987	259	1246	2.51	.66	3.17
158		502	1351	289	1640	2.69	.57	3.26
	750	894	2338	548	2886	2.61	.61	3.22
211	1000	743	940	389	1329	1.26	.52	1.78
212		1123	533	175	708	.47	.15	.62
213		643	12	2	14	.01	.00	.01
214		112	45	0	45	.40	.00	.40
	1000	2621	1530	566	2096	.58	.21	.79
284	4000	544	939	661	1600	1.72	1.21	2.93
285		351	576	448	1024	1.64	1.27	2.91
286		668	1491	1187	2678	2.23	1.77	4.00
287	300	53	146	156	302	2.75	2.94	5.69
	4300	1616	3152	2452	5604	1.95	1.51	3.46
244	3000	623	1168	788	1956	1.87	1.26	3.13
245		648	1290	929	2219	1.99	1.43	3.42
	3000	1271	2458	1717	4175	1.93	1.35	3.28
337	0	777	266	178	444	.34	.22	.56
340	0	165	51	46	97	.30	.27	.57
	0	942	317	224	541	.33	.23	.57
432	1100	64	101	135	236	1.57	2.10	3.67
433		552	335	301	636	.60	.54	1.14
434		517	442	280	722	.85	.54	1.39
	1100	1133	878	716	1594	.77	.63	1.40
436	1000	338	216	248	464	.63	.73	1.36
437		456	271	293	564	.59	.64	1.23

BUCKS includes adult males and unidentified deer taken by both buck-only hunters and antlerless permit holders.

AL includes adult females and all fawns.

Table 13. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1988

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
	1000	794	487	541	1028	.61	.68	1.29
438	450	428	164	131	295	.38	.30	.68
439		353	216	175	391	.61	.49	1.10

	450	781	380	306	686	.48	.39	.87
442	1000	576	362	286	648	.62	.49	1.11
443		502	336	264	600	.66	.52	1.18
444		244	127	87	214	.52	.35	.87

	1000	1322	825	637	1462	.62	.48	1.10
UNK	UNK		158	183	341	.00	.00	.00

UnID				85				

=====								
TOTAL	109575	83286	78789	59386	138260	.94	.71	1.66
=====								

BUCKS includes adult males and unidentified deer taken by both buck-only hunters and antlerless permit holders.

AL includes adult females and all fawns.

Table 14. Registered harvest and harvest/mi² by Block within Deer Management Unit (DMU), 1983-1988.

Block No.	Size (mi ²)	Registered Harvest (Harvest/Mi ²)											
		1983		1984		1985		1986		1987		1988	
401	1,024	184	(0.18)	232	(0.23)	314	(0.31)	294	(0.29)	334	(0.32)	398	(0.38)
402	1,023	276	(0.27)	385	(0.38)	606	(0.59)	564	(0.55)	537	(0.51)	520	(0.50)
Red River W.	2,047	460	(0.22)	617	(0.30)	920	(0.45)	858	(0.42)	871	(0.43)	918	(0.45)
403	375	390	(1.04)	520	(1.39)	479	(1.28)	511	(1.36)	582	(1.55)	587	(1.56)
404	619	736	(1.19)	989	(1.60)	1,088	(1.76)	998	(1.61)	1,138	(1.83)	1,103	(1.77)
405	638	647	(1.02)	997	(1.56)	1,312	(2.06)	1,113	(1.74)	1,023	(1.59)	1,018	(1.59)
406	412	559	(1.36)	726	(1.76)	989	(2.40)	785	(1.90)	832	(2.01)	859	(2.07)
407	596	855	(1.44)	1,164	(1.95)	1,410	(2.37)	1,428	(2.40)	1,190	(1.99)	1,186	(1.98)
408	499	763	(1.53)	833	(1.67)	1,343	(2.69)	1,212	(2.43)	973	(1.94)	891	(1.77)
Red River E.	3,128	3,950	(1.26)	5,229	(1.67)	6,621	(2.12)	6,047	(1.93)	5,738	(1.83)	5,644	(1.80)
RED RIVER TOTAL	5,175	4,410	(0.85)	5,846	(1.13)	7,541	(1.46)	6,905	(1.33)	6,609	(1.28)	6,562	(1.27)
201	168	383	(2.28)	527	(3.14)	804	(4.79)	493	(2.93)	461	(2.74)	391	(2.32)
202	166	519	(3.13)	578	(3.48)	966	(5.82)	682	(4.11)	954	(5.74)	790	(4.74)
203	108	490	(4.53)	617	(5.71)	753	(6.97)	711	(6.58)	458	(4.23)	436	(4.02)
204	747	1,512	(2.02)	1,819	(2.44)	1,951	(2.61)	1,326	(1.78)	1,810	(2.41)	1,777	(2.37)
205	592	1,150	(1.95)	1,226	(2.07)	1,259	(2.13)	886	(1.50)	1,187	(1.99)	1,188	(1.99)
206	458	944	(2.06)	1,112	(2.43)	1,503	(3.28)	955	(2.08)	1,239	(2.69)	1,132	(2.46)
207	306	843	(2.75)	1,016	(3.32)	1,069	(3.49)	822	(2.69)	1,007	(3.28)	998	(3.25)
208	466	526	(1.13)	592	(1.27)	696	(1.49)	485	(1.04)	515	(1.09)	519	(1.11)
209	574	721	(1.25)	895	(1.56)	1,012	(1.76)	799	(1.39)	816	(1.41)	726	(1.25)
210	498	799	(1.61)	1,088	(2.18)	1,364	(2.74)	1,163	(2.34)	1,172	(0.64)	965	(0.52)
AGASSIZ TOTAL	4,083	7,887	(1.93)	9,470	(2.32)	11,377	(2.79)	8,322	(2.04)	9,619	(2.36)	8,922	(2.18)
101 (211)	743	2,177	(2.93)	2,548	(3.43)	1,806	(2.43)	684	(0.92)	1,442	(1.93)	1,329	(1.78)
102 (212)	1,123	1,035	(0.92)	1,163	(1.04)	1,121	(1.00)	598	(0.53)	746	(0.65)	708	(0.62)
103 (213)	646	8	(0.01)	18	(0.03)	1	(0.00)	2	(0.00)	18	(0.02)	14	(0.40)
214	112	20	(0.18)	13	(0.17)	16	(0.14)	15	(0.13)	48	(0.42)	45	(0.40)
Unk				5		13		7		--		--	--
Rainy River W.	2,624	3,240	(1.23)	3,747	(1.43)	2,957	(1.13)	1,306	(0.50)	2,254	(0.86)	2,096	(0.79)
104	457	356	(0.78)	290	(0.63)	222	(0.49)	215	(0.47)	295	(0.64)	370	(0.80)
105	654	320	(0.49)	282	(0.43)	226	(0.35)	268	(0.41)	312	(0.47)	275	(0.41)
106	911	1,600	(1.60)*	1,449	(1.45)*	703	(0.77)	728	(0.80)	964	(1.05)	905	(0.99)
110	89					549	(6.17)	480	(5.39)	603	(6.77)	585	(6.56)
Unk				4		5		2					
Rainy River C.	2,111	2,276	(1.08)	2,025	(0.96)	1,705	(0.81)	1,691	(0.80)	2,174	(0.98)	2,135	(1.01)
107	1,007	1,358	(1.35)	972	(0.97)	992	(0.99)	1,059	(1.05)	1,391	(1.37)	1,345	(1.33)
108	574	1,002	(1.74)	754	(1.31)	705	(1.23)	639	(1.11)	822	(1.43)	871	(1.51)
109	243	406	(1.67)	459	(1.89)	392	(1.61)	410	(1.69)	514	(2.10)	430	(1.76)
195	140	1	(0.01)	1	(0.01)	0	(0.00)	2	(0.01)	8	(0.04)	5	(0.03)
Unk				36		85		76					
Rainy River E.	1,964	2,767	(1.41)	2,222	(1.13)	2,174	(1.11)	2,186	(1.11)	2,735	(1.39)	2,651	(1.34)
RAINY RIVER TOTAL	6,699	8,283	(1.24)	7,994	(1.19)	6,836	(1.02)	5,183	(0.77)	7,163	(1.07)	6,882	(1.03)

Table 14. Continued.

Block No.	Size (mi ²)	Registered Harvest (Harvest/Mile ²)							
		1983	1984	1985	1986	1987	1988		
119	412	506 (1.23)	565 (1.37)	753 (1.83)	738 (1.79)	1,112 (2.69)	1,365 (3.31)		
120	299	1,269 (3.18)	1,027 (3.43)	1,419 (4.75)	1,346 (4.50)	1,096 (3.65)	1,106 (3.69)		
121	370	274 (0.74)	283 (0.63)	393 (1.06)	443 (1.20)	489 (1.31)	595 (1.60)		
Superior W.	1,081	2,049 (1.90)	1,825 (1.69)	2,565 (2.37)	2,527 (2.34)	2,697 (2.49)	3,066 (2.84)		
122	240	251 (1.05)	277 (1.15)	330 (1.38)	442 (1.84)	537 (2.22)	553 (2.29)		
123	274	188 (0.69)	131 (0.48)	177 (0.65)	197 (0.72)	300 (1.09)	307 (1.11)		
124	276	339 (1.22)	263 (0.95)	291 (1.05)	396 (1.44)	400 (1.44)	389 (1.40)		
125	238	380 (1.60)	304 (1.28)	386 (1.62)	389 (1.63)	567 (2.37)	666 (2.79)		
Superior C.	1,028	1,158 (1.13)	975 (0.95)	1,184 (1.15)	1,424 (1.38)	1,804 (1.75)	1,915 (1.86)		
126	471	192 (0.41)	152 (0.32)	208 (0.44)	198 (0.42)	255 (0.54)	428 (0.90)		
127	630	55 (0.13)	38 (0.06)	78 (0.12)	89 (0.14)	117 (0.18)	123 (0.19)		
128	500	157 (0.31)	172 (0.35)	170 (0.34)	241 (0.48)	208 (0.42)	621 (1.23)		
129	208	51 (0.24)	56 (0.27)	80 (0.38)	54 (0.26)	65 (0.31)	180 (0.86)		
130	222	11 (0.05)	4 (0.02)	6 (0.03)	12 (0.05)	14 (0.06)	11 (0.04)		
Superior E.	2,031	481 (0.24)	420 (0.21)	613 (0.30)	561 (0.28)	744 (0.37)	1,363 (0.67)		
115	303	6 (0.02)	6 (0.02)	9 (0.03)	10 (0.03)	34 (0.11)	35 (0.10)		
116	532	22 (0.04)	17 (0.03)	36 (0.09)	29 (0.05)	35 (0.06)	30 (0.05)		
117	1,003	11 (0.01)	18 (0.02)	5 (0.00)	8 (0.00)	17 (0.01)	83 (0.08)		
118	100	17 (0.17)	0 (0.00)	0 (0.00)	3 (0.03)	1 (0.01)	-- --		
Superior Wild.	1,938	56 (0.03)	41 (0.02)	50 (0.03)	50 (0.03)	87 (0.04)	148 (0.08)		
194 (R.)	73	4 (0.05)	0 (0.00)	3 (0.04)	4 (0.04)	1 (0.01)	3 (0.04)		
SUPERIOR TOTAL	6,251	3,748 (0.60)	3,261 (0.52)	4,415 (0.71)	4,566 (0.73)	5,333 (0.85)	6,495 (1.04)		
167	272	1,087 (4.00)	1,068 (3.93)	1,113 (4.09)	791 (2.91)	815 (2.99)	752 (2.76)		
168	560	2,328 (4.16)	2,163 (3.86)	2,234 (3.99)	1,747 (3.12)	1,551 (2.76)	1,396 (2.48)		
169	657	3,101 (4.72)	2,678 (4.08)	2,818 (4.29)	1,985 (3.02)	1,611 (2.44)	1,620 (2.45)		
Unk			135	30	13	--	--		
Itasca NW	1,489	6,516 (4.38)	6,044 (4.06)	6,195 (4.16)	4,536 (3.05)	3,977 (2.67)	3,768 (2.53)		
170	574	1,063 (1.85)	986 (1.72)	1,139 (1.98)	929 (1.62)	1,045 (1.82)	1,149 (1.99)		
171	484	1,318 (2.73)	1,097 (2.27)	1,237 (2.56)	909 (1.88)	920 (1.89)	977 (2.01)		
172	509	2,119 (4.17)	2,103 (4.13)	2,313 (4.54)	1,698 (3.34)	1,606 (3.15)	1,828 (3.58)		
173	544	1,410 (2.59)	1,410 (2.59)	1,433 (2.63)	1,077 (1.98)	1,266 (2.32)	1,317 (2.41)		
174	363	830 (2.28)	707 (1.95)	762 (2.10)	598 (1.65)	741 (2.03)	737 (2.02)		
Unk			25	26	7	--	--		
Itasca SW	2,474	6,740 (2.72)	6,328 (2.56)	6,910 (2.79)	5,218 (2.11)	5,578 (2.25)	6,008 (2.42)		
175	754	1,256 (1.67)	971 (1.29)	1,188 (1.58)	1,357 (1.80)	1,616 (2.14)	1,862 (2.46)		
176	408	495 (1.21)	407 (1.00)	601 (1.47)	566 (1.39)	739 (1.80)	796 (1.95)		
177	413	391 (0.95)	354 (0.86)	337 (0.82)	452 (1.09)	505 (1.22)	607 (1.46)		
178	445	397 (0.90)	260 (0.58)	476 (1.07)	463 (1.09)	609 (1.33)	581 (1.27)		
179	659	1,314 (1.99)	919 (1.39)	1,167 (1.77)	1,198 (1.82)	1,385 (2.10)	1,614 (2.44)		
Unk			26	173	40	--	--		
Itasca NE	2,679	3,853 (1.44)	2,937 (1.10)	3,942 (1.47)	4,076 (1.52)	4,854 (1.80)	5,460 (2.03)		

Table 14. Continued.

Block No.	Size (mi ²)	Registered Harvest (Harvest/Mile ²)											
		1983		1984		1985		1986		1987		1988	
180	749	1,298	(1.73)	998	(1.33)	1,005	(1.34)	1,187	(1.58)	1,441	(1.91)	1,550	(2.06)
181	585	1,205	(2.06)	866	(1.48)	909	(1.55)	1,028	(1.76)	1,268	(2.16)	1,385	(2.36)
182	549	1,163	(2.12)	880	(1.60)	721	(1.31)	940	(1.71)	1,022	(1.85)	1,067	(1.94)
183	932	2,211	(2.37)	1,586	(1.70)	1,683	(1.81)	1,773	(1.90)	2,296	(2.46)	2,567	(2.74)
199	155	149	(0.96)	71	(0.46)	78	(0.50)	121	(0.78)	152	(0.97)	141	(0.90)
Unk				2		279		3		--	--	--	--
Itasca SE	2,970	6,026	(2.03)	4,403	(1.48)	4,675	(1.57)	5,052	(1.70)	6,179	(2.08)	6,710	(2.25)
197	629	857	(1.36)	701	(1.11)	713	(1.13)	702	(1.15)	714	(1.13)	809	(1.27)
198	426	530	(1.25)	527	(1.24)	420	(0.99)	464	(1.09)	437	(1.01)	366	(0.85)
Unk				3		0		0		--	--	--	--
Leech Lake IR	1,055	1,387	(1.31)	1,231	(1.17)	1,133	(1.07)	1,166	(1.10)	1,151	(1.09)	1,175	(1.11)
184 (284)	544	2,039	(3.75)	2,098	(3.86)	1,488	(2.74)	1,443	(2.65)	1,573	(2.88)	1,600	(2.93)
185 (285)	351	1,591	(4.54)	1,709	(4.87)	1,176	(3.35)	1,137	(3.24)	1,094	(3.10)	1,024	(2.91)
186 (286)	668	3,514	(5.26)	3,816	(5.71)	2,770	(4.15)	2,689	(4.02)	2,793	(4.17)	2,678	(4.00)
187 (287)	53	239	(4.51)	282	(5.32)	216	(4.08)	191	(3.60)	197	(3.63)	302	(5.69)
Unk				5		0		0		--	--	--	--
Bemidji	1,616	7,383	(4.57)	7,910	(4.89)	5,650	(3.50)	5,460	(3.38)	5,653	(3.49)	5,604	(3.46)
ITASCA TOTAL	12,283	31,905	(2.60)	28,853	(2.35)	28,505	(2.32)	25,508	(2.08)	27,392	(2.23)	28,725	(2.34)
244	623	2,957	(4.75)	2,868	(4.60)	2,763	(4.43)	1,971	(3.16)	2,065	(3.31)	1,956	(3.13)
245	648	4,076	(6.29)	4,031	(6.22)	3,322	(5.13)	2,655	(4.10)	2,567	(3.95)	2,219	(3.42)
251	66	461	(6.98)	478	(7.24)	450	(6.82)	443	(6.71)	255	(3.85)	257	(3.88)
Unk				102		70		24		--	--	--	--
Mille Lacs W.	1,337	7,494	(5.61)	7,479	(5.59)	6,605	(4.94)	5,093	(3.81)	4,887	(3.66)	4,432	(3.32)
246	1,015	4,878	(4.80)	5,744	(5.66)	4,847	(4.78)	4,717	(4.65)	3,244	(3.19)	3,181	(3.12)
247	651	1,894	(2.91)	2,282	(3.51)	1,780	(2.73)	1,763	(2.71)	1,254	(1.92)	1,280	(1.96)
248	135	532	(3.94)	740	(5.48)	454	(3.37)	574	(4.25)	461	(3.42)	450	(3.33)
249	543	1,614	(2.97)	1,940	(3.57)	1,450	(2.67)	1,511	(2.78)	1,177	(2.16)	1,095	(2.01)
Mille Lacs C.	2,344	8,918	(3.80)	10,706	(4.37)	8,531	(3.64)	8,565	(3.65)	6,136	(2.62)	6,006	(2.56)
151	22**	114	(5.18)	42	(1.91)	--	--	--	--	--	--	--	--
152	47	288	(6.13)	212	(4.51)	70	(1.49)	83	(1.77)	98	(2.08)	136	(2.89)
153	69	205	(2.97)	1	(0.01)	0	(0.00)	1	(0.01)	--	--	--	--
154	177	461	(2.60)	321	(1.81)	348	(1.97)	353	(1.99)	451	(3.84)	530	(4.52)
155	362	1,024	(3.01)*	937	(2.76)*	900	(2.49)	614	(1.70)	823	(2.26)	1,005	(2.77)
156	626	1,297	(2.07)	977	(1.56)	1,039	(1.66)	1,026	(1.64)	1,386	(2.20)	1,550	(2.47)
157	392	967	(2.47)	959	(2.45)	581	(1.48)	794	(2.03)	1,057	(2.69)	1,246	(3.17)
158	502	2,062	(4.11)	2,158	(4.30)	1,346	(2.68)	1,053	(2.10)	1,297	(2.58)	1,640	(3.26)
159	515	1,865	(3.62)	1,655	(3.62)	1,570	(3.05)	1,275	(2.48)	1,752	(3.39)	1,974	(3.82)
Mille Lacs E.	2,690	8,283	(3.08)	7,262	(2.70)	5,854	(2.18)	5,199	(1.93)	6,864	(2.55)	8,081	(3.00)
296 (W.E.I.R.)	1,186	914	(0.80)	902	(0.79)	907	(0.79)	958	(0.84)	1,028	(0.89)	972	(0.82)
MILLE LACS TOTAL	7,662	25,609	(3.34)	26,349	(3.44)	21,897	(2.86)	19,815	(2.59)	18,915	(2.49)	19,491	(2.59)

Table 14. Continued.

Block No.	Size (mi ²)	Registered Harvest (Harvest/Mile ²)											
		1983		1984		1985		1986		1987		1988	
409	415	1,299	(3.13)	1,563	(3.77)	1,588	(3.83)	1,718	(4.14)	1,901	(4.57)	1,889	(4.54)
410	1,071	2,143	(2.00)	2,478	(2.31)	2,491	(2.33)	2,759	(2.58)	2,707	(2.51)	2,598	(2.42)
411	678	2,149	(3.17)	2,464	(3.63)	2,482	(3.66)	2,648	(3.91)	2,884	(4.24)	2,710	(3.99)
412	1,158	1,560	(1.34)	1,717	(1.48)	1,972	(1.70)	2,080	(1.80)	2,254	(1.94)	1,972	(1.69)
413	645	1,161	(1.80)	866	(1.34)	1,259	(1.95)	1,276	(1.98)	1,441	(2.22)	1,349	(2.08)
414	566	1,129	(2.00)	1,159	(2.05)	1,288	(2.28)	1,537	(2.72)	1,303	(2.29)	1,407	(2.47)
415	748	584	(0.79)	626	(0.84)	807	(1.08)	660	(0.88)	777	(1.02)	856	(1.14)
416	592	923	(1.56)	1,094	(1.85)	1,214	(2.05)	1,091	(1.84)	1,135	(1.90)	1,286	(2.17)
417	978	1,693	(1.74)	1,416	(1.45)	1,744	(1.78)	1,900	(1.94)	1,980	(2.02)	1,850	(1.88)
418	781	745	(0.95)	708	(0.91)	1,072	(1.37)	1,051	(1.35)	872	(1.11)	907	(1.15)
419	770	565	(0.73)	557	(0.72)	647	(0.84)	665	(0.86)	769	(0.99)	790	(1.00)
Big Woods N.	8,402	13,951	(1.66)	14,648	(1.74)	16,564	(1.97)	17,385	(2.07)	18,023	(2.14)	17,614	(2.10)
221	649	916	(1.42)	863	(1.33)	922	(1.42)	707	(1.09)	885	(1.35)	916	(1.40)
222	429	802	(1.87)	845	(1.97)	1,052	(2.45)	862	(2.01)	996	(2.31)	1,084	(2.51)
223	369	753	(2.04)	537	(1.46)	888	(2.41)	626	(1.70)	733	(1.98)	707	(1.91)
224	45	238	(5.29)	271	(6.02)	267	(5.93)	91	(2.02)	245	(5.44)	170	(3.77)
225	666	1,599	(2.40)	1,523	(2.29)	1,784	(2.68)	1,769	(2.66)	1,632	(2.44)	1,542	(2.30)
226	751	1,407	(1.87)	1,323	(1.76)	1,637	(2.18)	1,652	(2.20)	1,581	(2.09)	1,485	(1.97)
Big Woods C.	2,909	5,715	(1.96)	5,362	(1.84)	6,550	(2.25)	5,707	(1.96)	6,072	(2.09)	5,904	(2.02)
235	61	159	(2.61)	146	(2.39)	128	(2.10)	133	(2.18)	115	(1.87)	129	(2.10)
236	730	421	(0.58)	461	(0.63)	673	(0.92)	628	(0.86)	826	(1.12)	708	(0.96)
337	777	291	(0.43)*	226	(0.34)*	500	(0.64)	540	(0.70)	471	(0.59)	444	(0.56)
338	373	333	(0.56)*	430	(0.73)*	440	(1.18)	442	(1.18)	467	(1.24)	496	(1.31)
339	669	358	(0.49)*	459	(0.63)*	540	(0.81)	517	(0.77)	572	(0.85)	640	(0.94)
340	165					66	(0.40)	100	(0.61)	103	(0.61)	97	(0.57)
Big Woods Metro	2,775	1,562	(0.56)	1,722	(0.62)	2,347	(0.85)	2,360	(0.85)	2,554	(0.92)	2,514	(0.91)
341	652	906	(1.38)	1,405	(2.15)	1,507	(2.31)	1,651	(2.53)	1,494	(2.28)	1,419	(2.16)
342	396	831	(2.10)	1,179	(2.98)	1,234	(3.12)	1,307	(3.30)	1,153	(2.40)	1,047	(2.63)
343	656	629	(0.96)	978	(1.49)	987	(1.50)	1,281	(1.95)	1,237	(1.88)	1,252	(1.90)
344	184	1,132	(6.16)	1,027	(5.58)	1,285	(6.98)	1,424	(7.74)	1,153	(6.26)	1,114	(6.04)
345	332	882	(2.65)	1,205	(3.63)	1,423	(4.29)	1,516	(4.57)	1,200	(3.61)	1,261	(3.79)
346	374	1,354	(3.62)	1,609	(4.30)	1,770	(4.73)	1,945	(5.20)	1,931	(5.15)	2,005	(5.35)
347	434	782	(1.80)	1,059	(2.44)	1,059	(2.44)	1,178	(2.71)	1,143	(2.62)	1,224	(2.81)
348	327	1,046	(3.20)	1,187	(3.63)	1,275	(3.90)	1,328	(4.06)	1,382	(4.22)	1,363	(4.15)
349	510	1,428	(2.80)	1,831	(3.59)	1,912	(3.75)	2,268	(4.45)	2,143	(4.19)	1,984	(3.88)
Big Woods SE	3,865	8,990	(2.33)	11,480	(2.97)	12,452	(3.22)	13,898	(3.60)	12,836	(3.32)	12,669	(3.28)
BIG WOODS TOTAL	17,951	30,218	(1.68)	33,212	(1.85)	37,913	(2.11)	39,350	(2.19)	39,485	(2.20)	38,701	(2.16)

Table 14. Continued.

Block No.	Size (mi ²)	Registered Harvest (Harvest/Mile ²)							
		1983	1984	1985	1986	1987	1988		
420	639	487 (0.76)	572 (0.90)	631 (0.99)	582 (0.91)	661 (1.03)	680 (1.05)		
421	718	368 (0.51)	494 (0.69)	482 (0.67)	518 (0.72)	563 (0.77)	566 (0.78)		
422	620	273 (0.44)	431 (0.70)	520 (0.84)	404 (0.65)	458 (0.73)	499 (0.79)		
423	542	409 (0.75)	429 (0.79)	538 (0.99)	512 (0.94)	487 (0.88)	614 (1.12)		
424	502	310 (0.62)	366 (0.73)	479 (0.95)	466 (0.93)	552 (1.09)	558 (1.11)		
425	431	143 (0.33)	124 (0.29)	202 (0.47)	221 (0.51)	233 (0.53)	228 (0.52)		
426	543	549 (1.01)	466 (0.86)	445 (0.82)	485 (0.89)	360 (0.66)	415 (0.75)		
427	737	465 (0.63)	343 (0.47)	471 (0.64)	434 (0.59)	368 (0.49)	431 (0.58)		
428	590	432 (0.73)	274 (0.46)	329 (0.56)	361 (0.61)	369 (0.61)	447 (0.74)		
Prairie N.	5,322	3,436 (0.65)	3,499 (0.66)	4,097 (0.77)	3,983 (0.75)	4,051 (0.76)	4,438 (0.83)		
431	454	536 (1.18)	541 (1.19)	725 (1.60)	625 (1.38)	560 (1.22)	533 (1.16)		
432	64	241 (3.76)	320 (5.00)	155 (2.42)	106 (1.66)	195 (3.04)	236 (3.67)		
433	552	519 (0.94)	552 (1.00)	722 (1.31)	610 (1.10)	664 (1.20)	636 (1.14)		
434	517	648 (1.26)	485 (0.94)	685 (1.32)	510 (0.99)	703 (1.35)	722 (1.39)		
436	338	579 (1.72)	334 (0.99)	459 (1.36)	548 (1.62)	465 (1.36)	464 (1.36)		
437	456	506 (1.11)	408 (0.89)	431 (0.95)	490 (1.07)	608 (1.32)	564 (1.23)		
438	428	371 (0.87)	275 (0.64)	326 (0.76)	276 (0.64)	287 (0.66)	295 (0.68)		
439	353	496 (1.41)	361 (1.02)	421 (1.19)	322 (0.91)	260 (0.72)	391 (1.10)		
442	576	859 (1.50)	598 (1.04)	757 (1.31)	681 (1.18)	695 (1.20)	648 (1.11)		
443	502	633 (1.26)	485 (0.97)	529 (1.05)	549 (1.09)	569 (1.12)	600 (1.18)		
444	244	132 (0.54)	121 (0.50)	151 (0.62)	128 (0.52)	191 (0.77)	214 (0.87)		
Unk			23	135	86	--	--		
Prairie River	4,484	5,520 (1.23)	4,503 (1.00)	5,496 (1.23)	4,931 (1.10)	5,197 (1.16)	5,303 (1.18)		
446	296	467 (1.57)	500 (1.69)	534 (1.80)	519 (1.75)	617 (2.07)	613 (2.06)		
447	456	439 (0.97)	494 (1.08)	486 (1.07)	499 (1.09)	466 (1.01)	500 (1.09)		
448	444	664 (1.49)	554 (1.25)	567 (1.28)	671 (1.51)	549 (1.23)	704 (1.57)		
449	465	610 (1.31)	709 (1.52)	768 (1.65)	807 (1.74)	762 (1.63)	971 (2.08)		
450	874	544 (0.63)	290 (0.33)	344 (0.39)	345 (0.40)	417 (0.46)	354 (0.39)		
451	689	497 (0.72)	483 (0.70)	617 (0.90)	661 (0.96)	641 (0.93)	923 (1.33)		
452	617	296 (0.48)	312 (0.51)	378 (0.61)	437 (0.71)	480 (0.77)	574 (0.92)		
453	742	604 (0.82)	310 (0.42)	400 (0.54)	448 (0.60)	451 (0.59)	528 (0.70)		
454	826	1,176 (1.42)	554 (0.67)	814 (0.99)	701 (0.85)	771 (0.92)	923 (1.11)		
455	76	195 (2.37)	172 (2.26)	151 (1.99)	149 (1.96)	144 (1.88)	155 (2.03)		
456	755	681 (0.91)	389 (0.52)	459 (0.61)	556 (0.74)	473 (0.62)	594 (0.78)		
457	632	609 (0.96)	409 (0.65)	410 (0.65)	410 (0.65)	434 (0.68)	487 (0.76)		
458	739	452 (0.61)	322 (0.44)	339 (0.46)	348 (0.47)	364 (0.48)	431 (0.58)		
459	977	736 (0.75)	569 (0.58)	536 (0.55)	764 (0.78)	634 (0.64)	793 (0.80)		
Prairie SW	8,588	7,970 (0.93)	6,067 (0.71)	6,803 (0.79)	7,315 (0.85)	7,203 (0.84)	8,550 (1.00)		
461	509	569 (1.12)	453 (0.89)	478 (0.94)	478 (0.94)	459 (0.89)	530 (1.03)		
462	530	603 (1.13)	718 (1.35)	531 (1.00)	583 (1.10)	630 (1.17)	796 (1.50)		
463	454	368 (0.82)	390 (0.86)	346 (0.76)	396 (0.87)	370 (0.80)	395 (0.86)		
464	365	288 (0.79)	231 (0.63)	297 (0.81)	430 (1.18)	352 (0.95)	435 (1.18)		

Table 14. Continued.

Block No.	Size (mi ²)	Registered Harvest (Harvest/Mile ²)							
		1983	1984	1985	1986	1987	1988		
465	381	161 (0.42)	195 (0.51)	217 (0.57)	272 (0.71)	324 (0.84)	342 (0.89)		
466	942	566 (0.60)	706 (0.75)	443 (0.47)	620 (0.66)	680 (0.71)	687 (0.72)		
467	762	277 (0.36)	206 (0.27)	270 (0.35)	430 (0.56)	559 (0.72)	590 (0.77)		
Prairie SE	3,943	2,832 (0.72)	2,899 (0.74)	2,582 (0.65)	3,209 (0.81)	3,374 (0.86)	3,775 (0.96)		
PRAIRIE TOTAL	22,340	19,758 (0.88)	16,968 (0.76)	18,978 (0.85)	19,438 (0.87)	19,825 (0.89)	22,066 (0.99)		
UNKNOWN		639	89	603	683	576	--		
STATE TOTAL	82,444	132,457 (1.61)	132,042 (1.60)	138,065 (1.67)	129,770 (1.57)	135,003 (1.64)	138,260 (1.66)		

* Boundaries of these blocks changed between the 1982-1983 and between the 1984-1985 seasons. The kill/mi² figures shown reflect these changes in areas. The size of the areas in the first column are 1985 figures.

** Beginning in 1985, Kill Block #151 was included in Kill Block #155.

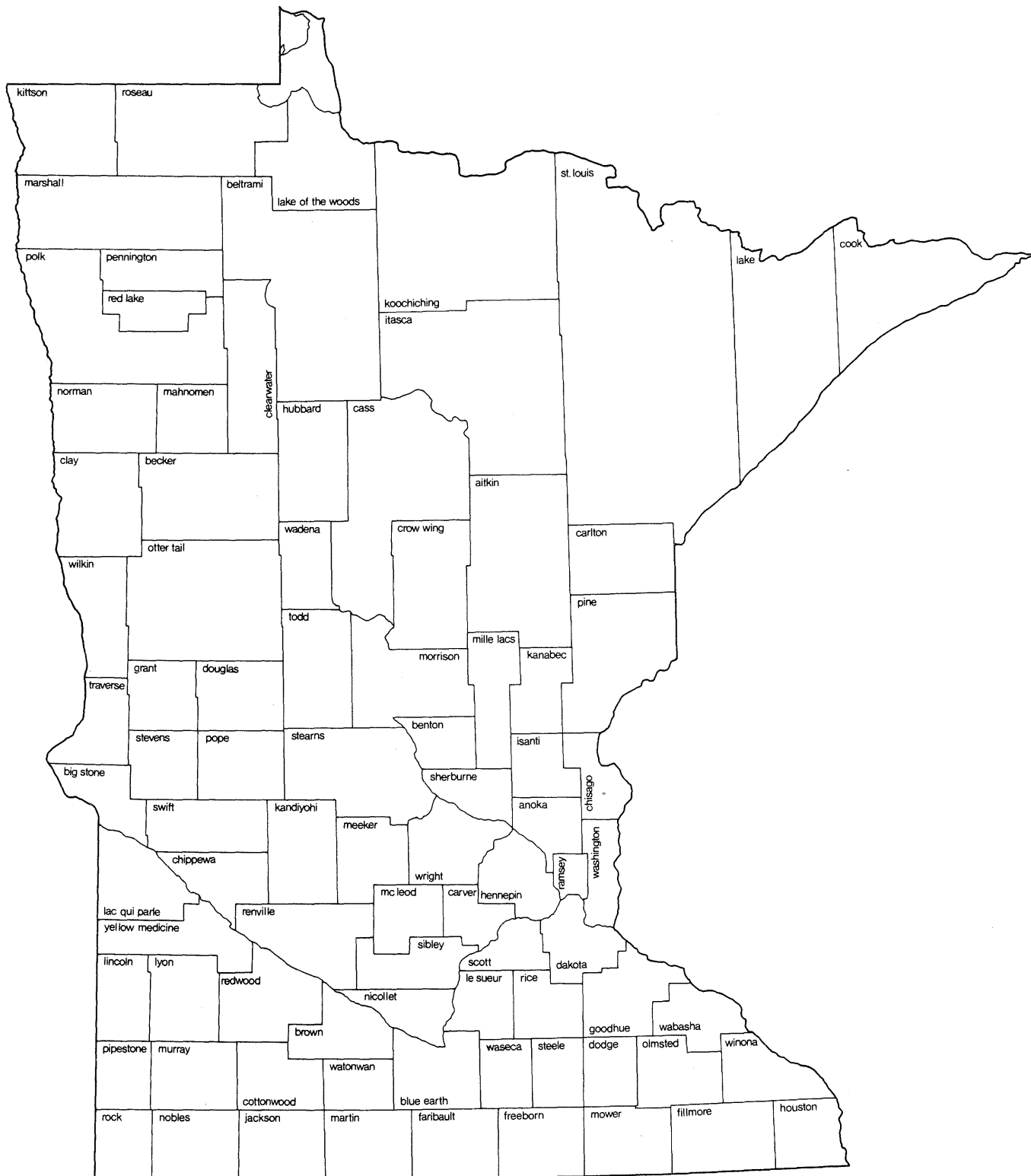


Figure 4. Counties of Minnesota.

TABLE 15. Registered firearms kill by county, 1988.

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Aitkin	3382	924	196	146	1	4649
Anoka	420	174	38	55	4	691
Becker	1851	852	250	195		3148
Beltrami	2787	1054	256	205		4302
Benton	283	144	34	23		484
Big Stone	306	190	70	37	1	604
Blue Earth	424	239	60	40		763
Brown	361	217	33	29	1	641
Carlton	1080	546	108	91		1825
Carver	223	110	21	19		373
Cass	3722	1160	266	174	2	5324
Chippewa	353	155	30	46		584
Chisago	690	307	69	57		1123
Clay	643	581	162	114		1500
Clearwater	1182	671	196	158		2207
Cook	542	217	29	24		812
Cottonwood	329	173	36	44		582
Crow Wing	1832	485	126	70	1	2514
Dakota	231	98	54	45		428
Dodge	214	155	69	35		473
Douglas	646	445	180	111		1382
Faribault	342	204	37	22		605
Fillmore	1434	938	317	174		2863
Freeborn	373	161	42	37		613
Goodhue	772	542	226	163		1703
Grant	393	249	75	43		760
Hennepin	134	74	38	26		272
Houston	1235	813	303	194	2	2547
Hubbard	2113	1048	290	248		3699
Isanti	615	278	73	52		1018
Itasca	4457	1375	257	215	2	6306
Jackson	309	228	33	25		595
Kanabec	1270	263	63	36	1	1633
Kandiyohi	679	402	129	89		1299
Kittson	1072	790	247	189		2298
Koochiching	2024	727	105	92		2948
Lac Qui Parle	551	409	130	106	1	1197
Lake	1166	341	41	22		1570
Lake of the Woods	1122	345	92	78	1	1638
LeSueur	289	131	47	38	1	506
Lincoln	416	326	82	71		895
Lyon	475	379	97	89		1040
McLeod	261	131	36	25		453
Mahnomen	364	65	7	4		440
Marshall	1623	1296	394	321	1	3635
Martin	258	130	20	19		427
Meeker	380	222	52	42		696

TABLE 15. Continued

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Mille Lacs	961	305	74	50		1390
Morrison	1219	632	184	144	2	2181
Mower	300	153	38	30		521
Murray	450	256	63	48		817
Nicollet	234	100	37	47	1	419
Nobles	304	180	45	15		544
Norman	507	484	141	138		1270
Olmstead	627	385	101	88		1201
Ottertail	2639	2262	940	669	6	6516
Pennington	267	263	80	60	3	673
Pine	3215	1001	223	136	1	4576
Pipestone	270	215	21	14		520
Polk	1166	916	262	226		2570
Pope	690	548	133	108		1479
Ramsey	3	1	2	1		7
Red Lake	226	251	57	72		606
Redwood	356	252	62	58		728
Renville	454	260	59	68	2	843
Rice	292	214	55	82	1	644
Rock	223	149	41	25		438
Roseau	1717	964	225	189		3095
St. Louis	7695	3581	747	622	1	12646
Scott	201	182	42	26		451
Sherburne	489	286	68	59		902
Sibley	243	140	29	37		449
Stearns	798	518	185	132		1633
Steele	246	147	36	40		469
Stevens	281	187	43	27		538
Swift	597	351	99	65	2	1114
Todd	1156	804	240	213		2413
Traverse	237	158	55	47		497
Wabasha	743	459	240	144	2	1588
Wadena	1059	423	114	108	1	1705
Waseca	179	132	30	53		394
Washington	356	158	44	30		588
Watowan	184	91	17	20		312
Wilkin	219	168	43	43	1	474
Winona	1536	1049	428	275	4	3292
Wright	312	174	65	52		603
Yellow Medicine	429	303	84	82	4	902
Non-Resident	7	1		1		9
Unknown	37	33	7	2	1	80
Totals	78752	39900	10975	8484	51	138162

This report includes bonus tags.

Table 16. 1988 Firearm Special Permit Areas information.

<u>Special Area</u>	<u>Dates Open</u>	<u>No. Permits</u>		<u>Deer Taken</u>		<u>Total Harvest</u>
		<u>Reg.</u>	<u>Bonus</u>	<u>Adult Buck</u>	<u>Antler-less</u>	
Elm Creek CP	19-20	164		34	82	116
Glacial Lakes SP	12-15	40	--	9	22	31
Minnesota River Valley	5-6 12-13	62	22	20	30	50
Lake Bronson SP	5-7	40	34	6	24	30
Rice Lake NWR	12-14	100		20	26	46
Zippel Bay	5-7	50	38	17	24	41

Table 17. Statewide Bow and Arrow deer statistics, 1988.

Bow and Arrow licenses sold (3-16-89 report) ¹	67,930
Statewide Bow and Arrow registered deer kill	8,762
Bow and Arrow hunter success by registration	12.9%
Bow and Arrow registered buck harvest ¹	4,117
Percent of total	47.0%
Bow and Arrow registered antlerless harvest	4,645
Percent of total	53.0%

¹ A total of 1,019 Metro bonus bow licenses is included.

² Bucks include adult males and unidentified deer. Adult females and all fawns classed as antlerless deer.

TABLE 18. Archery deer harvest by county, 1988.

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Aitkin	51	71	16	8		146
Anoka	127	105	41	15		288
Becker	33	38	10	7		88
Beltrami	59	59	13	10		141
Benton	21	24	4	5		54
Big Stone	24	15	3	2		44
Blue Earth	62	55	19	11		147
Brown	42	22	7	3		74
Carlton	15	14	5	4		38
Carver	49	43	9	10		111
Cass	46	57	17	12		132
Chippewa	61	42	16	9		128
Chisago	63	49	17	11		140
Clay	76	36	14	9		135
Clearwater	18	10	8	4		40
Cook	4	8	1	1		14
Cottonwood	43	27	5	7		82
Crow Wing	85	70	16	9		180
Dakota	78	58	23	14		173
Dodge	42	24	8	6		80
Douglas	56	25	3	3		87
Faribault	43	23	9	3		78
Fillmore	69	51	10	13		143
Freeborn	67	22	8	2		99
Goodhue	61	38	14	7		120
Grant	16	9	6	2		33
Hennepin	67	37	22	12		138
Houston	50	21	11	7		89
Hubbard	54	52	18	5		129
Isanti	38	54	14	10		116
Itasca	59	83	22	11		175
Jackson	47	23	2	2		74
Kanabec	26	38	8	8		80
Kandiyohi	82	63	19	4		168
Kittson	21	15	3	1		40
Koochiching	14	11	4	2		31
Lac Qui Parle	54	33	18	17		122
Lake	19	23	6	6		54
Lake of the Woods	15	13	2			30
LeSueur	38	26	7	6		77
Lincoln	28	25	11	5		69
Lyon	47	41	16	9		113
McLeod	40	23	4	5		72
Mahnomen		2				2
Marshall	29	26	14	1		70
Martin	40	23	1			64
Meeker	52	28	13	9		102
Mille Lacs	21	23	7	4		55
Morrison	142	141	45	31		359
Mower	70	32	13	8		123

TABLE 18. Continued

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Murray	30	35	15	8		88
Nicollet	31	31	9	4		75
Nobles	31	16	5	3		55
Norman	30	12	3	2		47
Olmstead	50	38	13	8		109
Ottertail	112	79	32	14		237
Pennington	2	3	1			6
Pine	118	110	22	12		262
Pipestone	25	13	11	8		57
Polk	77	43	11	5		136
Pope	54	32	5	5		96
Ramsey	4	2				6
Red Lake	5	1				6
Redwood	42	23	8	2		75
Renville	41	13	5	2		61
Rice	34	27	9	7		77
Rock	27	11	5	1		44
Roseau	46	32	14	3		95
St. Louis	89	71	25	12		197
Scott	52	49	18	15		134
Sherburne	32	37	11	6		86
Sibley	22	14	3	7		46
Stearns	130	93	27	18		268
Steele	34	21	6	4		65
Stevens	17	10	1			28
Swift	54	30	7	3		94
Todd	68	55	14	10		147
Traverse	21	5	4	2		32
Wabasha	32	19	7	6		64
Wadena	23	21	9	7		60
Waseca	23	18	3	2		46
Washington	137	96	25	25		283
Watsonwan	22	13	2	2		39
Wilkin	30	6	1	1		38
Winona	105	61	33	22		221
Wright	60	61	12	7		140
Yellow Medicine	32	29	4	5		70
Non-Resident						0
Unknown	10	11		1		22
Totals	4116	3092	962	589	0	8759

Table 19. Archery deer harvest by county, 1980-1988.

County	1980	1981	1982	1983	1984	1985	1986	1987	1988
Aitkin	68	110	107	94	88	140	130	137	146
Anoka	105	169	147	156	168	258	247	278	288
Becker	33	46	52	65	63	67	62	55	88
Beltrami	63	97	130	109	108	126	101	135	141
Benton	7	18	28	29	25	35	36	36	54
Big Stone	25	38	38	42	56	49	39	32	44
Blue Earth	73	80	78	116	94	116	95	20	147
Brown	36	46	48	47	50	38	66	60	74
Carlton	24	30	31	20	30	45	22	26	38
Carver	24	30	34	49	50	65	53	77	111
Cass	48	108	131	118	147	141	151	125	132
Chippewa	114	138	78	92	90	92	82	84	128
Chisago	38	68	78	95	103	142	135	121	140
Clay	44	75	84	94	123	111	132	109	135
Clearwater	17	21	21	27	20	22	29	30	40
Cook	1	12	7	5	9	29	12	8	14
Cottonwood	71	87	73	99	54	90	75	70	82
Crow Wing	47	123	105	99	156	177	159	165	180
Dakota	20	46	51	64	99	124	167	174	173
Dodge	19	26	22	45	76	52	63	77	80
Douglas	32	64	53	77	68	86	79	72	87
Faribault	51	46	49	57	47	58	73	15	78
Fillmore	46	50	64	75	81	108	83	109	143
Freeborn	37	47	34	69	60	61	67	87	99
Goodhue	57	63	69	71	69	113	112	111	120
Grant	19	18	22	27	27	33	26	19	33
Hennepin	78	69	44	97	78	105	156	176	138
Houston	46	55	70	58	67	79	75	92	89
Hubbard	56	97	130	102	98	126	138	127	129
Isanti	46	83	83	82	83	97	102	82	116
Itasca	98	171	146	113	127	155	169	140	175
Jackson	26	47	44	46	42	59	54	61	74
Kanabec	11	35	66	51	49	76	61	76	80
Kandiyohi	41	95	96	111	116	108	141	127	168
Kittson	8	12	10	28	32	24	23	47	40
Koochiching	28	33	18	21	29	20	29	27	31
Lac Qui Parle	53	87	82	78	108	141	107	96	122
Lake	18	40	46	30	39	50	40	40	54
Lake of the Woods	12	13	13	14	22	24	22	21	30
LeSueur	27	38	31	39	52	37	62	42	77

Table 19. Continued.

County	1980	1981	1982	1983	1984	1985	1986	1987	1988
Lincoln	50	72	56	74	35	68	54	44	69
Lyon	84	94	74	110	72	104	104	82	113
McLeod	32	40	28	2	33	35	55	45	72
Mahnomen	5	4	7	5	6	9	8	4	2
Marshall	38	39	45	66	82	79	75	75	70
Martin	40	35	38	56	33	41	55	64	64
Meeker	43	44	43	37	54	59	61	76	102
Mille Lacs	21	40	57	35	63	51	40	64 ^a	55
Morrison ^a	30	66	158	127	108	114	66	104 ^a	118 ^a
Mower	46	55	42	80	64	113	121	105	123
Murray	81	130	83	61	39	90	71	86	88
Nicollet	61	80	67	65	52	64	88	50	75
Nobles	43	79	33	54	18	43	48	55	55
Norman	15	20	34	35	45	43	39	51	47
Olmsted	24	55	51	85	84	86	108	96	109
Ottertail	98	133	153	175	178	234	223	237	237
Pennington	9	12	18	15	19	12	19	15	6
Pine	123	166	171	134	166	229	186	201	262
Pipestone	32	40	30	67	1	42	53	55	57
Polk	42	50	78	70	102	98	102	110	136
Pope	49	49	64	57	56	63	70	67	96
Ramsey	1	2	1	0	21	14	33	2	6
Red Lake	2	1	3	4	13	8	6	7	6
Redwood	50	81	63	82	63	72	68	63	75
Renville	35	55	63	59	32	62	60	66	61
Rice	38	45	51	39	54	56	59	93	77
Rock	14	38	31	14	22	51	39	51	44
Roseau	62	77	90	112	98	94	86	81	95
St. Louis	87	180	149	120	127	180	209	159	197
Scott	44	50	37	50	72	87	136	192	134
Sherburne	89	128	116	113	115	131	128	116	86
Sibley	33	41	30	32	43	43	44	46	46
Stearns	81	134	143	122	159	241	239	226	268
Steele	14	19	27	29	30	41	41	46	65
Stevens	9	11	21	27	26	25	20	26	28
Swift	42	67	49	67	59	68	67	84	94
Todd	52	95	109	103	126	169	141	127	147
Traverse	12	21	13	21	32	22	19	33	32
Wabasha	15	18	30	61	57	50	61	50	64
Wadena	21	45	69	70	64	43	62	43	60

Table 19. Continued.

County	1980	1981	1982	1983	1984	1985	1986	1987	1988
Waseca	26	46	35	55	42	27	36	3	46
Washington	39	75	91	88	154	174	196	189	283
Watonwan	31	34	30	35	20	39	39	45	39
Wilkin	15	26	34	39	34	34	32	29	38
Winona	96	116	138	117	151	234	196	224	221
Wright	45	71	78	83	95	92	115	112	140
Yellow Medicine	35	47	38	54	47	47	44	49	70
Unknown	20	25	63	23	34	37	70	17	22
Camp Ripley	b	153	129	237	387	278	257	284	241
St. Croix St. Pk.	b	b	b	b	b	b	b	b	b
Totals	3,641	5,535	5,566	5,977	6,390	7,575	7,610	7,535	8,759

^a Camp Ripley not included.

^b No archery hunt.

TABLE 20. 1988 Bow and Arrow registered deer harvest by Kill Block and Sub-DMU

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Red River West	401	27	13	5	1	0	46
	402	37	17	5	8	0	67
	Total	64	30	10	9	0	113
Red River East	403	10	10	3	2	0	25
	404	11	7	9	0	0	27
	405	14	7	2	1	0	24
	406	11	7	0	0	0	18
	407	37	23	7	4	0	71
	408	10	4	4	0	0	18
	Total	93	58	25	7	0	183
Agassiz	201	6	3	3	1	0	13
	202	3	2	1	1	0	7
	203	2	0	0	0	0	2
	204	12	5	3	0	0	20
	205	24	20	4	0	0	48
	206	6	11	0	1	0	18
	207	4	3	1	0	0	8
	208	3	3	2	0	0	8
	209	18	10	3	2	0	33
	210	11	6	0	0	0	17
	Total	89	63	17	5	0	174
Rainy River West	211	15	9	6	1	0	31
	212	4	4	0	0	0	8
	213	2	1	0	0	0	3
	Total	21	14	6	1	0	42
Rainy River Central	104	0	1	0	0	0	1
	105	1	2	1	0	0	4
	106	9	5	3	2	0	19
	110	1	7	0	0	0	8
	Total	11	15	4	2	0	32
Rainy River East	107	4	4	2	0	0	10
	108	2	5	1	0	0	8

TABLE 20. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
	109	2	2	0	0	0	4
	Total	8	11	3	0	0	22
Superior West	119	3	4	1	1	0	9
	120	5	3	0	0	0	8
	121	3	2	1	0	0	6
	Total	11	9	2	1	0	23
Superior Wilderness	117	2	2	2	0	0	6
	118	0	0	0	1	0	1
	Total	2	2	2	1	0	7
Superior Central	122	7	5	2	1	0	15
	123	0	1	0	0	0	1
	124	2	0	1	0	0	3
	125	5	13	4	3	0	25
	Total	14	19	7	4	0	44
Superior East	126	9	7	0	2	0	18
	127	0	1	0	1	0	2
	128	4	6	1	1	0	12
	129	0	2	0	0	0	2
	Total	13	16	1	4	0	34
Itasca NW	167	3	7	1	2	0	13
	168	13	11	4	1	0	29
	169	10	22	5	2	0	39
	Total	26	40	10	5	0	81
Itasca SW	170	19	27	8	7	0	61
	171	10	15	3	1	0	29
	172	19	29	6	8	0	62
	173	10	18	7	3	0	38
	174	8	14	3	1	0	26
	Total	66	103	27	20	0	216
Itasca NE	175	9	13	3	1	0	26

TABLE 20. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
	176	4	7	1	0	0	12
	177	3	3	2	0	0	8
	178	11	2	2	2	0	17
	179	17	10	4	3	0	34
	Total	44	35	12	6	0	97
Itasca SE	180	19	19	6	3	0	47
	181	13	10	1	0	0	24
	182	8	3	5	1	0	17
	183	12	17	6	4	0	39
	199	3	0	0	0	0	3
	Total	55	49	18	8	0	130
Leech Lake Ind. Res	197	7	3	0	1	0	11
	198	1	0	0	2	0	3
	Total	8	3	0	3	0	14
Bemidji	284	33	31	7	6	0	77
	285	13	5	3	1	0	22
	286	48	51	20	6	0	125
	287	1	1	0	0	0	2
	Total	95	88	30	13	0	226
Mille Lacs West	244	19	26	8	3	0	56
	245	14	13	5	1	0	33
	251	1	0	0	2	0	3
	Total	34	39	13	6	0	92
Mille Lacs Central	246	38	28	14	4	0	84
	247	63	52	15	7	0	137
	248	114	118	34	25	0	291
	249	26	19	4	4	0	53
	Total	241	217	67	40	0	565
Mille Lacs East	152	2	3	2	0	0	7
	154	13	15	2	0	0	30
	155	9	18	4	4	0	35
	156	18	25	2	4	0	49

TABLE 20. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
	157	20	32	8	6	0	66
	158	39	41	9	3	0	92
	159	76	67	10	7	0	160
	Total	177	201	37	24	0	439
W.E. Ind. Res.	296	5	3	0	0	0	8
	Total	5	3	0	0	0	8
Big Woods North	409	29	27	5	2	0	63
	410	47	30	7	11	0	95
	411	39	28	13	7	0	87
	412	62	44	10	5	0	121
	413	56	29	5	3	0	93
	414	36	30	8	6	0	80
	415	54	51	19	7	0	131
	416	50	31	2	5	0	88
	417	90	69	19	6	0	184
	418	89	50	21	13	0	173
	419	66	67	14	8	0	155
	Total	618	456	123	73	0	1270
Big Woods Central	221	21	25	4	1	0	51
	222	14	17	2	5	0	38
	223	31	36	11	4	0	82
	224	3	6	0	2	0	11
	225	50	52	16	12	0	130
	226	128	107	40	16	0	291
	Total	247	243	73	40	0	603
Big Woods Metro	235	18	15	3	2	0	38
	236	180	136	43	34	0	393
	Total	198	151	46	36	0	431
Big Woods Metro	337	92	62	24	17	0	195
	338	46	50	15	18	0	129
	339	72	56	23	10	0	161
	340	37	25	12	8	0	82
	Total	247	193	74	53	0	567

TABLE 20. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Big Woods S.E.	341	50	23	9	2	0	84
	342	20	11	3	4	0	38
	343	56	37	12	7	0	112
	344	47	34	19	20	0	120
	345	40	24	14	4	0	82
	346	40	17	8	3	0	68
	347	27	25	5	8	0	65
	348	32	21	1	4	0	58
	349	41	16	7	6	0	70
	Total	353	208	78	58	0	697
Prairie North	420	41	17	7	3	0	68
	421	39	11	6	0	0	56
	422	23	5	5	2	0	35
	423	12	3	4	1	0	20
	424	15	8	1	1	0	25
	425	18	10	0	2	0	30
	426	23	13	7	4	0	47
	427	24	9	2	5	0	40
	428	48	37	8	6	0	99
	Total	243	113	40	24	0	420
Prairie River	431	12	12	1	1	0	26
	432	19	14	11	5	0	49
	433	51	39	13	15	0	118
	434	57	35	14	3	0	109
	436	25	13	5	3	0	46
	437	24	7	3	0	0	34
	438	20	5	1	4	0	30
	439	31	21	5	3	0	60
	442	41	40	12	6	0	99
	443	37	40	13	5	0	95
	444	35	29	9	6	0	79
	Total	352	255	87	51	0	745
Prairie Southwest	446	16	7	3	2	0	28
	447	20	17	4	4	0	45
	448	10	12	6	3	0	31
	449	46	38	15	7	0	106
	450	18	7	2	1	0	28

TABLE 20. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
	451	44	31	18	12	0	105
	452	32	12	6	1	0	51
	453	32	17	6	4	0	59
	454	49	42	9	6	0	106
	455	7	13	6	6	0	32
	456	48	22	2	2	0	74
	457	36	11	6	2	0	55
	458	36	26	2	1	0	65
	459	61	27	9	3	0	100
	Total	455	282	94	54	0	885
Prairie Southeast	461	22	12	3	6	0	43
	462	40	32	12	5	0	89
	463	17	19	4	4	0	44
	464	27	20	4	3	0	54
	465	39	23	10	7	0	79
	466	80	26	8	3	0	117
	467	73	37	15	8	0	133
	Total	298	169	56	36	0	559
Unknown	UNK	29	9	0	5	0	43
	Total	29	9	0	5	0	43
Grand Totals		4117	3094	962	589	0	8762

Table 21. 1988 Archery Special Permit Areas information. (No. bonus licenses)

Special Area	Dates	Number of permits	Number of applications	Deer Taken		
				Adult Buck	Antler-less	Total
Camp Ripley	10/8-9	2,500	n.a.	47	70	117
	10/22-23	2,500	n.a.	44	80	124
Crow-Hassen PR	10/29-30	140	750	2	10	12
	11/17-18					
Murphy-Hanrehan PR	11/11-13	240	500	5	18	23

TABLE 22. Metro Bonus Bow Hunt results, 1988.

Registra- tion Block Number	Harvest:				Totals	Percent Increase by Bonus
	regular Adult Male	license Adult Female	(bonus Fawn Male	lic.) Fawn Female		
236	179 (1)	102 (34)	32 (11)	25 (9)	338 (55)	16.3%
337	92 (-)	37 (25)	16 (8)	10 (7)	155 (40)	25.8%
338	46 (-)	31 (19)	7 (8)	9 (9)	93 (36)	38.7%
339	72 (-)	48 (8)	20 (3)	7 (3)	147 (14)	9.5%
340	36 (1)	12 (13)	6 (6)	4 (4)	58 (24)	41.4%
	-----	-----	-----	-----	-----	-----
Totals	425 (2)	230 (99)	81 (36)	55 (32)	791 (169)	21.4%

Table 23. Special Muzzleloader Season harvest by block* 1988

Block No.	Adult		Fawns		Total Deer
	Male	Female	Male	Female	
152	3	13	5	7	28
157	2	11	5	5	23
159	0	5	3	0	8
169	0	7	4	0	11
179	1	1	0	0	2
180	0	1	1	0	2
182	2	1	1	0	4
183	0	2	1	0	3
201	2	0	1	0	3
202	2	1	0	0	3
203	2	1	0	0	3
211	4	11	5	5	25
222	0	1	0	0	1
226	2	5	1	2	10
235	8	17	5	7	37
236	4	0	0	0	4
245	7	16	4	4	31
246	0	1	1	0	2
286	0	1	0	1	2
292	0	0	0	1	1
339	0	1	1	1	3
341	0	0	1	0	1
342	0	4	0	1	5
344	13	53	26	29	121
348	1	0	0	2	3
349	0	1	0	0	1
416	2	8	6	2	18
424	3	0	1	0	4
431	4	9	2	6	21
432	30	74	43	19	166
433	2	8	3	3	16
455	5	13	12	15	45
495	5	15	10	4	34
497	8	21	7	9	45
TOTALS	112	302	149	123	686

* Includes Permit Area data. See Table 24 for Permit Area detail.

Table 24. 1988 Muzzleloader Permit Area Information

Area	Dates	Permits Issued	Number of Applications	Harvest (Bonus Deer)		
				Buck	Antlerless	Total
Carlos Avery (Sanctuary)	26-02	20	48	0	6	6
	03-11	20	36	2	6	8
Danvers WMA	26-02	3	3	1	1	2
	03-11	13*	2	2	0	2
Glacial Lakes SP	07-11	30	?	2	16	18
Lac qui Parle WMA and Big Stone NWR	26-02	106	106	8	30	38
	03-11	273	273	31	126	157
Lake Bronson SP	07-11	7	7	0	1	1
Lake Shetek SP	26-02	40	76	5	29	34
Nerstrand Woods	26-29	52	162	8	10 (27)	45
Talcot Lake WMA	26-02	31	31	2	18	20
	03-11	38	38	3	22	25
Walnut Lake WMA	26-02	19	17	0	6	6
	03-11	10	8	2	2	4

* Additional hunters from oversubscribed areas.

Table 25. Special Muzzleloader Season Harvests, 1981-1988.

	1981	1982	1983	1984	1985	1986	1987	1988
Carlos Avery WMA	53	31	57	22	23	41		
							31	57
Carlos Avery WMA (Sanctuary)	--	--	--	--	16	6		
Chengwatana SF	--	--	1	1	4	5	5	8
Cloquet Valley SF	--	--	--	2	1	0	2	4
Danvers WMA	--	3	1	7	7	9	3	4
Elm Lake & Eckvold WMA	--	--	--	--	--	--	--	3
Forestville SP	--	--	--	--	--	--	10	--
Fort Snelling SP	--	--	--	--	--	--	4	--
George Washington SF	--	--	5	14	16	17	4	11
Glacial Lake SP	--	--	--	--	--	--	--	18
Gores Pool WMA	--	--	5	5	1	2	3	3
Lac qui Parle WMA and Big Stone NWR	91	130	168	151	199	146	112	185
Lake Bronson SP	--	--	--	--	--	--	--	1
Lake Shetek SP	19	36	35	30	25	28	25	34
McCarthy Lake WMA	1	0	1	0	0	2	5	6
Meadowbrook WMA	3	4	11	6	6	1	4	2
Mille Lacs WMA	54	25	5	14	13	13	21	28
Nemadji SF	--	--	1	1	0	3	2	3
Nerstrand Woods SP	--	--	--	--	--	--	--	45
Paul Bunyan Game Refuge	--	--	19	33	27	28	27	38
Red Lake WMA and Beltrami Island SF	14	14	29	11	21	27	14	25
R.J. Dorer Memorial SF	7	32	10	6	1	2	0	1
Roseau River WMA	4	1	3	5	3	4	2	3
Rum River SF	--	--	3	1	7	5	6	24
Savanna SF	--	--	2	2	6	6	0	4
Talcot Lake WMA	16	61	137	13	43	19	29	45
Thief Lake WMA	12	6	5	7	8	2	6	3
Whitewater WMA	90	80	150	139	97	143	117	121
Whitewater Sanctuary	--	--	--	45	--	--	96	--
Walnut Lake WMA	5	0	4	6	5	6	7	10
Totals	385	441	652	532	563	593	535	686

