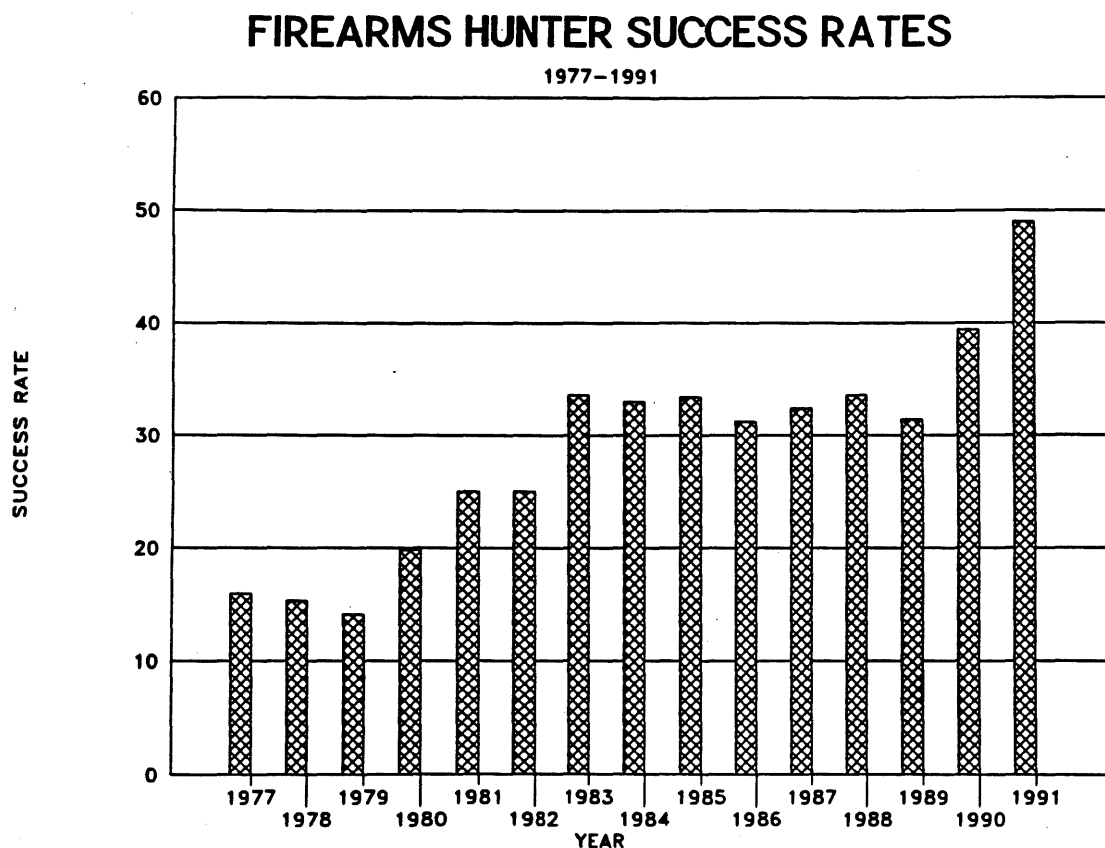


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MINNESOTA

Deer Harvest Report

1991



Minnesota Department of Natural Resources
Section of Wildlife
500 Lafayette Road
St. Paul, MN 55155

1991 MINNESOTA DEER HARVEST REPORT

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Table 1. Statewide Firearms, Archery, and Muzzleloader harvest, license sales, and success rates 1983-1990.

	1984	1985	1986	1987	1988	1989	1990	1991
REGULAR FIREARMS								
Res. Lic. Sales	396,074	408,056	412,079	412,429	407,861	406,502	416,471	425,071 ¹
Non-Res. Lic. Sales	4,307	4,961	4,473	4,930	5,626	6,141	6,441	6,864 ¹
Total Lic. Sales	400,381	413,017	416,555	417,358	413,487	412,643	422,912	431,935
Registered Buck Kill ²	58,966	62,603	60,980	77,619	80,065	77,132	90,426	97,481
Antlerless Perm. Off.	150,375	167,725	128,825	113,025	111,175	100,150	138,650	193,980
Antlerless Perm. Iss.	146,618	157,252	125,485	109,731	109,915	98,034	133,854	183,729
Antlerless Perm. Appl.	256,922	264,990	280,290	256,998	266,536	277,616	277,135	291,836
Registered AL Kill	73,076	75,462	68,790	57,384	58,881	52,419	76,163	108,791
Registered Total Kill	132,042	138,065	129,770	135,003	138,946	129,551	166,589	206,275
Registered % Successful	33.0	33.4	31.2	32.4	33.6	31.4	39.4	49.0
ARCHERY								
Res. Lic. Sales	61,576	66,724	67,745	68,809	68,255	68,926	67,805	73,986 ¹
Non-Res. Lic. Sales	583	589	547	604	717	714	746	798 ¹
Total Lic. Sales	62,159	67,313	68,292	69,413	68,972	69,640	68,551	74,784 ¹
Registered Kill	6,390	7,575	7,610	7,535	8,262	9,307	11,106	12,964
Registered % Successful	10.3	11.3	11.1	10.9	12.0	13.5	16.4	17.3
MUZZLELOADER								
Registered Kill	532	563	593	535	686	622	730	961
TOTAL Registered Kill	138,941	146,203	137,923	143,073	148,394	139,480	178,425	220,200

¹Estimate as of 3/2/92. Includes Bonus Licenses

²Bucks include adult males and unidentified deer.

Table 2. Antlerless permit drawing statistics, 1991.

Number of areas with permits available	111
Total number of permits offered	193,980
Total number of applications received	297,512
Total number of rejected applications	5,676 (1.9%)
Summary of errors causing application rejection:	
Driver's license errors	713
Permit area requested not valid	2,136
Birthdate invalid or missing	211
Late postmark	2,904
Duplicate application	54
Under minimum age	16
Invalid Resident Status	395
Incomplete Application	12
Total number of valid applications	291,836
Total number of permits issued	183,729
Total number of permits not issued	10,251
Number of permit areas undersubscribed	35

Table 3. 1991 Antlerless Lottery Distribution Report

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
104	900	2,751	3(3)	133(133)	768(766)*	766(0)	108(0)	0
107	2,500	5,563	3(3)	21(21)	1252(1252)	1757(1224)*	2530(0)	0
110	800	1,107	1(1)	3(3)	248(248)	347(347)	508(201)*	0
119	4,000	5,740	5(5)	19(19)	111(111)	1913(1913)	3692(1952)*	0
122	2,000	3,181	1(1)	13(13)	397(397)	1132(1132)	1638(457)*	0
126	800	1,669	1(1)	9(9)	83(83)	733(707)*	843(0)	0
152	200	502	3(3)	41(41)	98(98)	156(58)*	204(0)	0
154	8,000	9,044	66(66)	1361(1361)	1783(1783)	2065(2065)	3769(2725)*	0
157	10,000	9,024	86(86)	1226(1226)	1583(1583)	1976(1976)	4153(4153)	1953
159	10,000	5,703	10(10)	140(140)	693(693)	1518(1518)	3342(3342)	3622
167	5,000	12,248	1032(1032)	2084(2084)	2279(1884)*	2518(0)	4335(0)	0
170	7,500	19,604	2462(2462)	3122(3122)	3671(1916)*	3807(0)	6542(0)	0
175	4,500	12,284	10(10)	58(58)	2840(2840)	3983(1592)*	5393(0)	0
180	8,000	16,324	12(12)	62(62)	1867(1867)	5986(5986)	8397(73)*	0
197	1,000	3,020	11(11)	38(38)	756(756)	848(195)*	1367(0)	0
201	1,000	619		7(7)	18(18)	66(66)	528(528)	460
202	800	972		4(4)	12(12)	350(350)	606(434)*	0
203	500	636	1(1)	0	6(6)	276(276)	353(217)*	0
204	1,500	2,243	1(1)	2(2)	19(19)	666(666)	1555(812)*	0
205	800	1,718		8(8)	331(331)	526(461)*	853(0)	0
206	900	1,449		1(1)	13(13)	565(565)	870(321)*	0
207	900	1,369		2(2)	10(10)	313(313)	1044(575)*	0
208	400	685		3(3)	12(12)	278(278)	392(107)*	0

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
209	800	1,080		2(2)	12(12)	248(248)	818(538)*	0
210	1,500	1,812	1(1)	7(7)	15(15)	609(609)	1180(868)*	0
211	1,100	3,886	1(1)	296(296)	1102(801)*	1016(0)	1471(0)	0
221	1,000	2,342	1(1)	385(385)	651(614)*	477(0)	828(0)	0
222	1,500	2,543	2(2)	25(25)	548(548)	609(609)	1359(316)*	0
223	1,000	1,738	2(2)	6(6)	172(172)	599(599)	959(221)*	0
224	150	446			117(117)	137(33)*	192(0)	0
225	2,500	3,955	3(3)	31(31)	751(751)	1010(1010)	2160(705)*	0
226	2,000	2,311		13(13)	480(480)	589(589)	1229(918)*	0
227	2,000	1,712	(3)	8(8)	63(63)	179(179)	1459(1459)	577
235	180	380		3(3)	32(32)	132(132)	213(13)*	0
236	1,500	1,055	1(1)	9(9)	26(26)	88(88)	931(931)	793
244	8,000	11,510	4(4)	72(72)	2911(2911)	3353(3353)	5170(1660)*	0
246	7,000	9,730	8(8)	620(620)	2139(2139)	2611(2611)	4352(1622)*	0
247	2,500	4,456	8(8)	787(787)	895(895)	1121(810)*	1645(0)	0
248	1,000	1,210		11(11)	246(246)	328(328)	625(415)*	0
249	3,000	3,458	2(2)	544(544)	722(722)	807(807)	1383(925)*	0
251	600	755		13(13)	61(61)	238(238)	443(288)*	0
284	7,000	10,708	6(6)	34(34)	1710(1710)	3796(3796)	5162(1454)*	0
287	500	632		2(2)	10(10)	209(209)	411(279)*	0
297	300	1,476	1(1)	189(189)	345(110)*	420(0)	521(0)	0
337	1,000	581	2(2)	7(7)	9(9)	47(47)	516(516)	382
338	750	968		3(3)	29(29)	307(307)	629(411)*	0
339	950	930		1(1)	11(11)	38(38)	880(880)	41
341	2,000	2,230	2(2)		10(10)	153(153)	2065(1835)*	0

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
342	1,300	1,531		1(1)	5(5)	68(68)	1457(1226)*	0
343	2,000	1,522		3(3)	8(8)	45(45)	1466(1466)	885
344	1,400	1,577			11(11)	190(190)	1376(1199)*	0
345	1,300	1,489			6(6)	58(58)	1425(1236)*	0
346	2,400	2,189		5(5)	14(14)	41(41)	2129(2129)	423
347	1,050	1,298		2(2)	4(4)	22(22)	1270(1022)*	0
348	1,300	1,581		1(1)	4(4)	57(57)	1519(1238)*	0
349	2,200	2,293	1(1)	1(1)	6(6)	47(47)	2238(2145)*	0
401A	500	213			1(1)	6(6)	206(206)	122
401B	500	206			1(1)	2(2)	203(203)	137
402A	300	410			1(1)	63(63)	346(236)*	0
402B	400	223			2(2)	12(12)	209(209)	118
403A	250	287			2(2)	11(11)	274(237)*	0
403B	350	390			2(2)	18(18)	370(330)*	0
404A	500	650		2(2)	4(4)	121(121)	523(373)*	0
404B	600	810			3(3)	141(141)	666(456)*	0
405A	700	741			3(3)	132(132)	606(565)*	0
405B	800	579			6(6)	30(30)	543(543)	279
406A	550	582			3(3)	121(121)	458(426)*	0
406B	650	559			3(3)	37(37)	519(519)	183
407A	500	837	1(1)		5(5)	237(237)	594(257)*	0
407B	700	592	2(2)	3(3)	1(1)	61(61)	525(525)	217
408A	350	648		4(4)	7(7)	249(240)	397(99)*	0
408B	500	574		4(4)	2(2)	118(118)	452(378)*	0
409A	1,800	1,841		1(1)	28(28)	402(402)	1410(1369)*	0

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
409B	1,400	1,188	2(2)	3(3)	8(8)	75(75)	1100(1100)	425
410A	1,800	3,365		4(4)	84(84)	970(970)	2307(742)*	0
410B	1,800	1,683		1(1)	16(16)	214(214)	1452(1452)	235
411A	2,200	2,949	1(1)	1(1)	43(43)	751(751)	2153(1404)*	0
411B	1,900	1,669	1(1)	5(5)	21(21)	163(163)	1479(1479)	463
412A	1,200	2,881		3(3)	408(408)	778(778)	1692(11)*	0
412B	1,400	1,448		6(6)	42(42)	161(161)	1239(1191)*	0
413A	650	1,971	1(1)	4(4)	501(501)	473(144)*	992(0)	0
413B	850	1,241	1(1)	1(1)	72(72)	432(432)	735(344)*	0
414A	700	1,998		51(51)	637(637)	489(12)*	821(0)	0
414B	800	1,425		11(11)	231(231)	485(485)	698(73)*	0
415A	400	1,603	1(1)	141(141)	455(258)*	387(0)	619(0)	0
415B	500	1,072	1(1)	23(23)	193(193)	323(283)*	532(0)	0
416A	700	1,231		1(1)	12(12)	398(398)	820(289)*	0
416B	700	939		4(4)	7(7)	196(196)	732(493)*	0
417A	900	2,543	1(1)	2(2)	613(613)	583(284)*	1344(0)	0
417B	1,300	1,870	1(1)	4(4)	100(100)	461(461)	1304(734)*	0
418A	700	1,840		14(14)	467(467)	400(219)*	959(0)	0
418B	800	1,198	1(1)	4(4)	58(58)	280(280)	855(457)*	0
419A	800	1,264	1(1)	4(4)	44(44)	387(387)	828(364)*	0
419B	1,000	1,180	3(3)	13(13)	45(45)	292(292)	827(647)*	0
420A	550	550		1(1)	4(4)	130(130)	415(415)	0
420B	550	479	1(1)		2(2)	27(27)	449(449)	143
421A	350	555			6(6)	139(139)	410(205)*	0
421B	350	344			1(1)	28(28)	315(315)	13

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
422A	400	510		2(2)	8(8)	167(167)	333(223)*	0
422B	350	159			1(1)	21(21)	137(137)	115
423A	400	619			23(23)	181(181)	415(196)*	0
423B	350	318			5(5)	37(37)	276(276)	65
424A	350	810		17(17)	83(83)	260(250)*	450(0)	0
424B	400	821	1(1)	6(6)	29(29)	236(236)	549(128)*	0
425A	300	342		3(3)	47(47)	106(106)	186(144)*	0
425B	300	299		2(2)	17(17)	95(95)	185(185)	3
426A	500	643	1(1)	2(2)	19(19)	171(171)	450(307)*	0
426B	500	670	1(1)	2(2)	23(23)	182(182)	462(292)*	0
427A	150	1,032	3(3)	94(94)	252(53)*	219(0)	464(0)	0
427B	250	669	1(1)	16(16)	80(80)	208(153)*	364(0)	0
428A	400	699		8(8)	43(43)	196(196)	452(153)*	0
428B	500	770		2(2)	20(20)	162(162)	586(316)*	0
431A	300	450		2(2)	47(47)	115(115)	286(136)*	0
431B	300	455			14(14)	49(49)	392(237)*	0
433A	150	1,205		142(142)	338(8)*	307(0)	418(0)	0
433B	200	621		13(13)	45(45)	248(142)*	315(0)	0
435A	200	968	1(1)	51(51)	354(148)*	224(0)	338(0)	0
435B	300	626		8(8)	87(87)	224(205)*	307(0)	0
440A	200	961	85(85)	185(115)	258(0)	175(0)	258(0)	0
440B	300	284	5(5)	24(24)	62(62)	80(80)	115(115)	33
442A	500	1,476		188(188)	356(312)*	292(0)	640(0)	0
442B	700	1,024		21(21)	88(88)	262(262)	653(329)*	0
443A	400	771		15(15)	185(185)	156(156)	415(44)*	0

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
443B	600	608		2(2)	30(30)	76(76)	500(492)*	0
446A	300	560		4(4)	74(74)	130(130)	352(92)*	0
446B	450	389		1(1)	12(12)	48(48)	328(328)	123
447A	200	579		14(14)	108(108)	140(78)*	317(0)	0
447B	250	315		1(1)	15(15)	46(46)	253(188)*	0
448A	350	706		4(4)	136(136)	136(136)	420(74)*	0
448B	450	398			35(35)	37(37)	326(326)	105
449A	500	1,012		1(1)	165(165)	214(214)	632(120)*	0
449B	700	496		2(2)	15(15)	46(46)	433(433)	377
450A	200	395		1(1)	59(59)	90(90)	245(50)*	0
450B	300	349			11(11)	47(47)	291(242)*	0
451A	600	570		2(2)	12(12)	49(49)	507(507)	61
451B	600	553		2(2)	4(4)	32(32)	515(515)	95
452A	400	283	1(1)		1(1)	8(8)	273(273)	212
452B	400	307				7(7)	300(300)	187
453A	300	338			2(2)	59(59)	277(239)*	0
453B	300	419			4(4)	95(95)	320(201)*	0
454A	600	825	2(2)		53(53)	286(286)	484(259)*	0
454B	600	760		2(2)	29(29)	293(293)	436(276)*	0
455A	120	112			2(2)	11(11)	99(99)	17
455B	120	139			1(1)	17(17)	121(102)*	0
456A	500	469		1(1)	8(8)	86(86)	374(374)	63
456B	500	515		2(2)	6(6)	106(106)	401(386)*	0
457A	200	668	2(2)	10(10)	200(188)*	145(0)	311(0)	0
457B	400	394	1(1)	1(1)	21(21)	34(34)	337(337)	13

Permit Area Number	No. of Permits Offered	Total Valid Applications	Number of Applications Received (Permits Issued)					Bonus Permits Offered
			Highest	Preference Level			Lowest	
			5+	4	3	2	1	
458A	250	363		4(4)	86(86)	105(105)	168(55)*	0
458B	300	485		4(4)	43(43)	179(179)	259(74)*	0
459A	400	830		1(1)	80(80)	235(235)	514(84)*	0
459B	600	801		1(1)	31(31)	145(145)	624(423)*	0
461A	250	829		44(44)	188(188)	212(18)*	385(0)	0
461B	450	489		9(9)	70(70)	275(275)	574(96)*	0
462A	350	960	1(1)	4(4)	155(155)	241(190)*	559(0)	0
462B	600	823			37(37)	147(147)	639(416)*	0
463A	400	607		6(6)	31(31)	113(113)	457(230)*	0
463B	500	484	1(1)	1(1)	10(10)	50(50)	422(422)	33
464A	165	465	1(1)	2(2)	82(82)	109(80)*	271(0)	0
464B	335	485			20(20)	57(57)	408(258)*	0
465A	135	235		1(1)	13(13)	72(72)	149(49)*	0
456B	135	354			1(1)	107(107)	246(27)*	0
466A	365	616			6(6)	244(244)	366(115)*	0
466B	475	900		3(3)	12(12)	211(211)	674(249)*	0
467A	250	314		1(1)	1(1)	48(48)	264(200)*	0
467B	350	515		1(1)	7(7)	110(110)	397(232)*	0
Totals	193,980	291,836						12,973

*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 preference level 1 means that some persons who received a permit last year or who applied for the first time received permits.

Table 4. Bonus License Results, 1991.

Area	Bonus Offered	Bonus Purchased	Bonus Harvest ¹
157-158	1,953	1,148	817
159	3,622	1,589	893
201	460	257	130
227	577	232	153
236	793	176	136
337	382	132	50
339	41	24	6
343	885	331	109
346	423	105	37
401A	122	33	43
401B	137	54	Combined w/401A
402B	118	53	24
405B	279	109	47
406B	183	84	48
407B	217	130	62
409B	425	221	129
410B	235	77	79
411B	463	211	133
420B	143	76	43
421B	13	3	6
422B	115	54	25
423B	65	32	23
425B	3	0	0
440B	33	21	10
446B	123	29	36
448B	105	53	27
449B	377	189	96
451A	61	35	62
451B	95	53	Combined w/451A
452A	212	100	97
452B	187	91	Combined w/452A
455A	17	6	8
456A	63	26	14
457B	13	8	5
463B	33	12	12
Orchard ²	107	79	62
Unknown	---	1,340	33
Total	13,080	7,173	3455

¹ Number of hunters who tagged two deer in the same permit area.

² Orchard Subpermit Area (Bonus licenses offered in 3A season).

1991 MINNESOTA FIREARMS DEER HUNTING

ZONES AND SEASONS

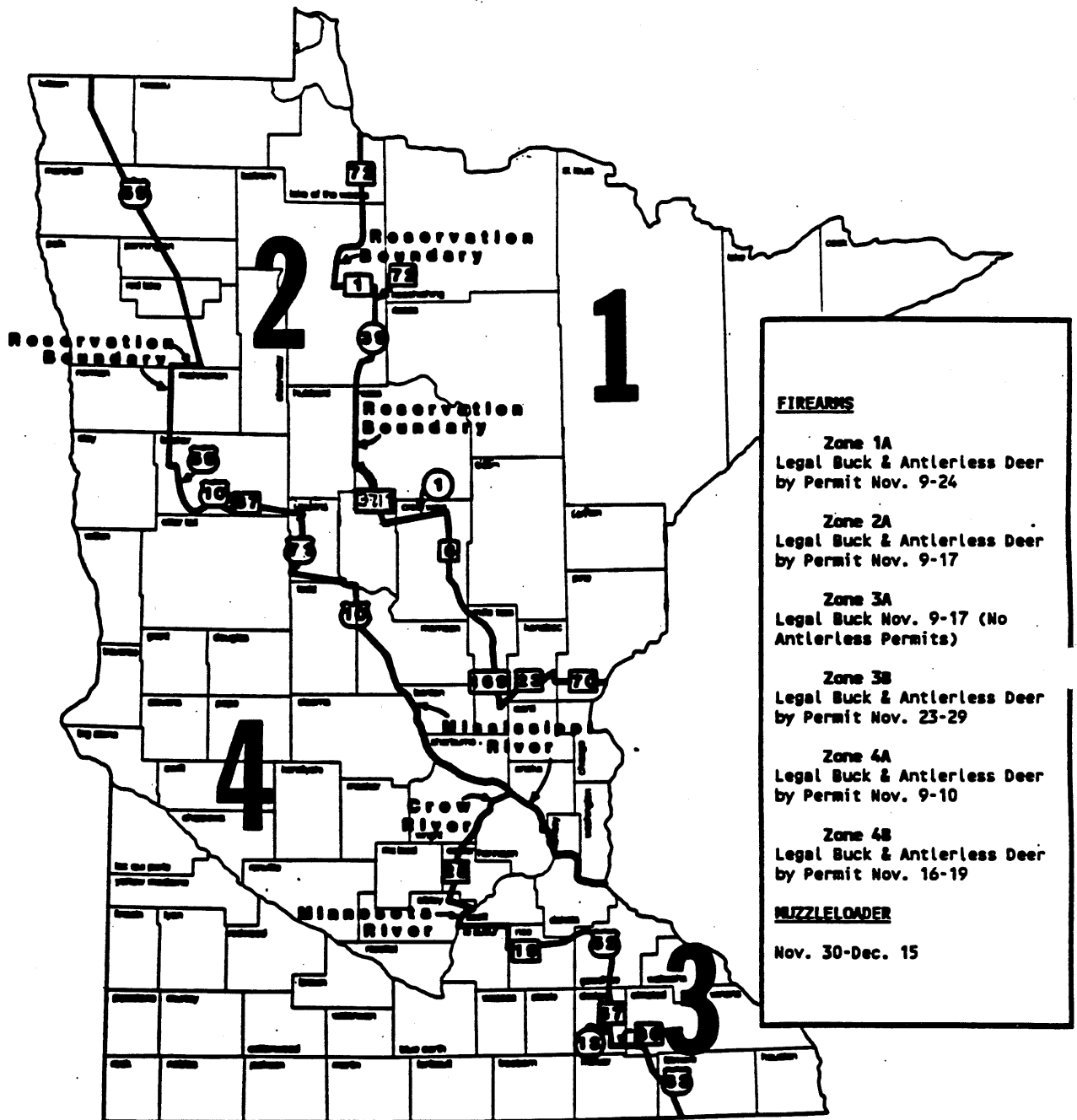


Figure 1. Firearms Deer Hunting Zones and Dates.

Table 5. Firearm deer hunter time and zone option selection, 1987-1991.

Option	Proportional Selecting				
	<u>1987</u>	<u>1988</u>	<u>1989</u>	<u>1990</u>	<u>1991</u>
Zone 1 ²	37.4%	40.2%	40.4%	37.8%	37.8%
Zone 2 ²	26.2%	26.8%	27.3%	25.3%	25.4%
Zone 3A ³	1.9%	3.5%	3.9%	3.8%	4.2%
Zone 3B ²	8.9%	8.8%	9.5%	9.2%	10.2%
	7.0%	5.3%	5.6%	5.4%	6.0%
Zone 4A ²	16.9%	15.9%	13.7%	16.0%	15.0%
Zone 4B ²	27.1%	23.5%	22.2%	27.5%	25.9%
	10.2%	7.6%	8.5%	11.5%	10.9%
ML ⁴	<u>0.5%</u>	<u>0.6%</u>	<u>0.6%</u>	<u>0.4%</u>	<u>0.6%</u>
Totals	100.1%	99.9%	100.0%	100.2%	99.9%

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

²Legal buck or antlerless deer by permit.

³Legal buck.

⁴Special season, either sex, designated areas.

Table 6. Total Firearms deer harvest by zone, 1991.

Zone	1 Deer Hunters	License estimate and registration		
		Deer Harvest	Percent of Harvest	Overall Success
1	160215	68164	33.0%	43%
2	107657	56313	27.3%	52%
3	43232	16967	8.2 %	39%
4	109777	64437	31.2%	59%
Unknown	-	394	1.91%	-
State	420881	206275		49%

¹
Projected by a sample of 33,849 deer licenses and License Center's estimate of 423,848 licenses (report of 2-19-92). Does not include muzzleloaders.

Table 7. Antlerless Firearms deer harvest by zone, 1991.

Zone	Permits Issued 2	Registered Kills		Permit Success
		Antlerless Taken 3	Percent of Harvest	
1	59927	36742	33.8%	61%
2	50816	29311	26.9%	58%
3	16522	8773	8.1 %	53%
4	56480	33712	31.0%	60%
Unknown	-	253	.2%	-
State	183745	108791		59%

² Includes bonus licenses issued.

³ Includes adult females and all fawns.

Table 8. Buck Firearms deer harvest by zone, 1991.

Zone	Buck 1 Hunters	Registered Kills		
		Bucks 2 Registered	Percent of Harvest	Buck Hunter Success 3
1	100288	31419	32.2%	31%
2	56841	27002	27.7%	48%
3	26710	8194	8.4 %	31%
4	53297	30725	31.5%	58%
Unknown	-	141	-	-
State	237136	97481		41%

- 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.

Table 9. Firearms deer harvest by date, 1991.

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 9	32.6	25.4	42.3	31.6	27.4	.1	40.2	27.2	37.2	25.6
10	17.3	18.2	20.0	21.8	16.1	.1	25.3	21.8	20.5	18.9
11	8.1	8.0	8.0	8.6	6.1	.0	.7	.5	5.6	5.2
12	4.7	4.5	5.1	5.0	3.7	.0	.1	.0	3.3	2.9
13	3.5	3.1	3.8	3.6	4.0	.0	.0	.0	2.5	2.0
14	3.0	2.6	3.7	3.5	2.5	.0	.0	.0	2.2	1.8
15	3.4	3.5	3.7	4.2	3.9	.0	.0	.0	2.5	2.3
16	6.6	7.9	6.4	10.2	6.0	.0	13.7	17.6	8.8	10.9
17	5.4	7.0	5.5	8.8	5.5	.0	9.1	14.4	6.6	9.2
18	.9	1.1	.2	.2	.4	.0	5.4	9.0	2.1	3.2
19	1.4	1.2	.1	.2	.1	.0	5.0	8.9	2.1	3.2
20	1.3	1.3	.1	.2	.0	.0	.1	.3	.5	.6
21	1.7	1.4	.1	.1	.0	.1	.0	.0	.6	.5
22	1.9	2.2	.1	.1	.0	.0	.0	.0	.6	.8
23	4.3	6.2	.3	.7	5.8	21.1	.0	.0	2.0	3.9
24	3.4	6.0	.3	.7	5.5	25.3	.0	.0	1.7	4.2
25	.1	.1	.0	.0	2.1	10.5	.0	.0	.2	.9
26	.0	.0	.0	.0	1.3	6.5	.0	.0	.1	.5
27	.0	.0	.0	.0	1.6	5.9	.0	.0	.1	.5
28	.0	.0	.0	.0	1.8	6.5	.0	.0	.2	.5
29	.0	.0	.0	.0	2.4	7.9	.0	.0	.2	.6
Dec 7	.0	.0	.0	.0	1.7	6.6	.0	.0	.1	.5
Dec 8	.0	.0	.0	.0	1.2	6.4	.0	.0	.1	.5
Unknown	.3	.4	.2	.4	.9	3.0	.3	.2	.4	.5
	99.9%	100.1%	94.8%	99.9%	100.0%	100.0%	99.9%	99.9%	100.2%	99.7%

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

TABLE 10. Harvest and success rates by DMU and Sub-DMU, 1991.

Unit	Permits Issued	Antlerless 1 Registered	Permit Success	Bucks Registered	Total Reg. Kill
Red River West	942	510	54.1%	520	1030
Red River East	6030	3258	54.0%	2938	6196
DMU Total	6972	3768	54.0%	3458	7226
Agassiz	8719	4541	52.1%	5496	10037
DMU Total	8719	4541	52.1%	5496	10037
Rainy River West	1100	676	61.5%	1865	2541
Rainy River Central	1700	1020	60.0%	1819	2839
Rainy River East	2500	1367	54.7%	1604	2971
DMU Total	5300	3063	57.8%	5288	8351
Superior West	4000	1881	47.0%	1580	3461
Superior Wilderness	0	12	.0%	184	196
Superior Central	2000	1063	53.2%	1019	2082
Grand Portage I. R.	0		.0%	3	3
Superior East	800	496	62.0%	979	1475
DMU Total	6800	3452	50.8%	3765	7217
Itasca NW	5000	3120	62.4%	3507	6627
Itasca SW	7500	5273	70.3%	5395	10668
Itasca NE	4500	2579	57.3%	3395	5974
Itasca SE	8000	4103	51.3%	3643	8417
Leech Lake Ind. Res	1000	525	52.5%	957	1482
Bemidji	7500	4268	56.9%	4074	8342
DMU Total	33500	19868	59.3%	20971	41510
Mille Lacs West	8600	4729	55.0%	3574	8303
Mille Lacs Central	13500	8172	60.5%	5577	13749
Mille Lacs East	22927	14900	65.0%	7070	21970
W.E. Ind. Res.	300	162	54.0%	808	970
DMU Total	45327	27963	61.7%	17029	44992
Big Woods North	23740	14253	60.0%	12517	26770
Big Woods Central	8150	5201	63.8%	4541	9742
Big Woods Metro N	2947	1562	53.0%	1067	2629
Big Woods Metro S	2261	1115	49.3%	1105	2220
Big Woods S.E.	14261	7658	53.7%	7089	14747
DMU Total	51359	29789	58.0%	26319	56108

TABLE 10. Continued

Unit	Permits Issued ¹	Antlerless Registered	Permit Success	Bucks Registered	Total Reg. Kill
Prairie North	6649	3592	54.0%	3855	7447
Prairie River	4134	2002	48.4%	2027	6009
Prairie Southwest	10241	6496	63.4%	5188	11684
Prairie Southeast	4744	2893	61.0%	2408	5301
DMU Total	25768	14983	58.2%	13478	30441
Unknown	0	1368	.0%	1685	394
DMU Total	0	1368	.0%	1685	394
Total	183745	108795	59.2%	97489	206275

¹

Does not include Bonus permits.

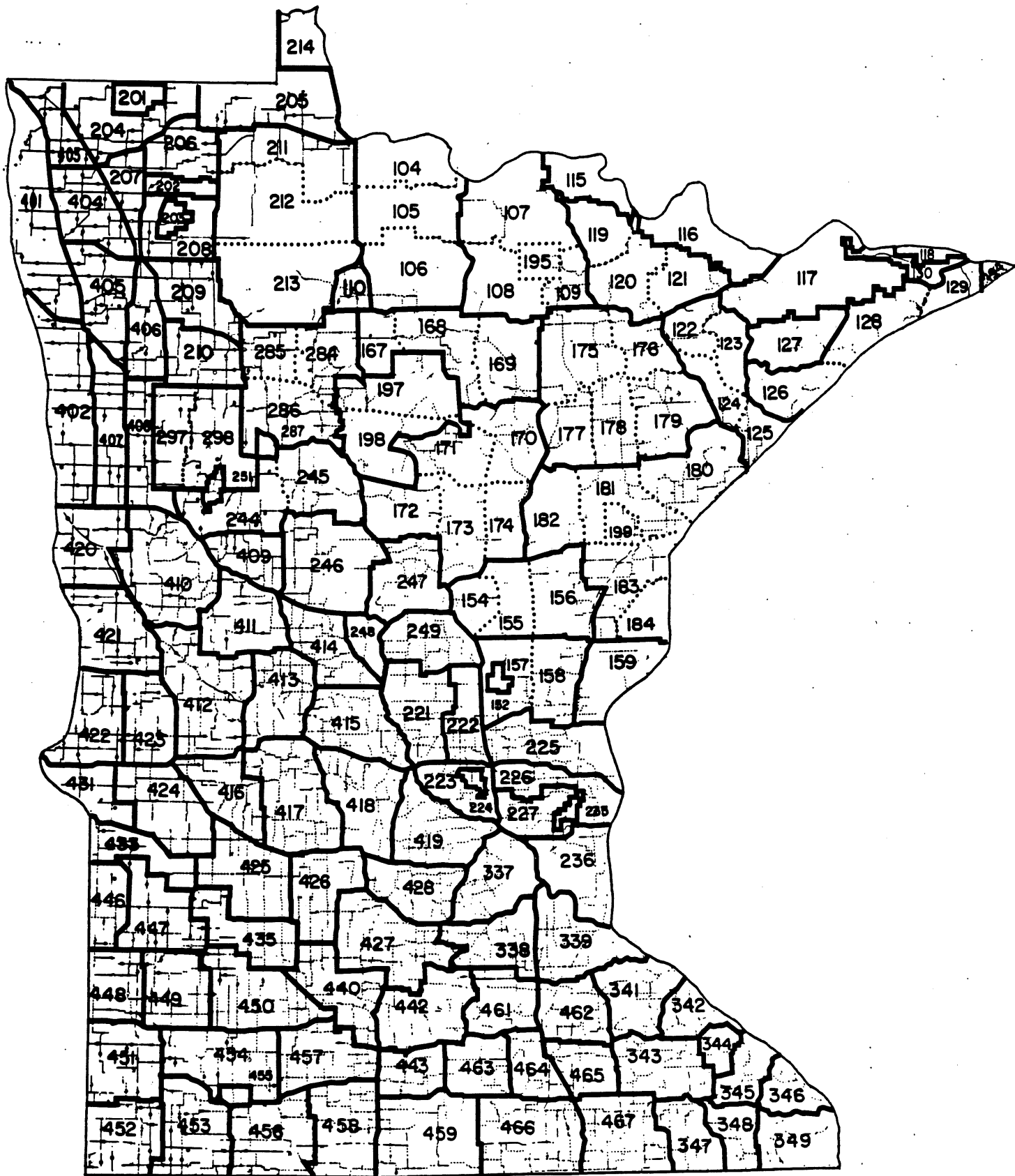


Figure 3. 1991 deer registration map.

Table 11. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1991

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
104	900	457	292	144	436	.64	.32	.96
105		654	223	85	308	.34	.13	.47
106		911	821	329	1150	.90	.36	1.26
107	2500	1007	865	691	1556	.86	.69	1.55
108		574	415	406	821	.72	.71	1.43
109		243	321	268	589	1.32	1.10	2.42
195		140	3	2	5	.02	.01	.03
110	800	192	483	462	945	2.52	2.41	4.93
115		303	14	1	15	.05	.00	.05
116		532	59	7	66	.11	.01	.12
117		1003	111	4	115	.11	.00	.11
119	4000	412	682	783	1465	1.66	1.90	3.56
120		299	437	579	1016	1.46	1.94	3.40
121		370	461	519	980	1.25	1.40	2.65
122	2000	240	242	340	582	1.01	1.42	2.43
123		274	150	181	331	.55	.66	1.21
124		276	196	211	407	.71	.76	1.47
125		238	431	331	762	1.81	1.39	3.20
126	800	471	310	171	481	.66	.36	1.02
127		630	84	2	86	.13	.00	.13
128		500	422	263	685	.84	.53	1.37
129		208	134	60	194	.64	.29	.93
130		222	29		29	.13	.00	.13
152	200	47	138	128	266	2.94	2.72	5.66
154	8000	117	501	1066	1567	4.28	9.11	13.39
155		362	686	1454	2140	1.90	4.02	5.92
156		626	1210	2271	3481	1.93	3.63	5.56
157	9024	392	1411	3307	4718	3.60	8.44	12.04
158		502	1429	2918	4347	2.85	5.81	8.66
159	5703	515	1695	3755	5450	3.29	7.29	10.58
167	5000	272	810	596	1406	2.98	2.19	5.17
168		560	1258	1080	2338	2.25	1.93	4.18
169		657	1439	1444	2883	2.19	2.20	4.39
170	7500	574	1101	828	1929	1.92	1.44	3.36
171		484	884	926	1810	1.83	1.91	3.74
172		509	1746	1853	3599	3.43	3.64	7.07
173		544	1063	1090	2153	1.95	2.00	3.95
174		363	601	576	1177	1.66	1.59	3.25
175	4500	754	1123	795	1918	1.49	1.05	2.54
176		408	426	326	752	1.04	.80	1.84
177		413	400	268	668	.97	.65	1.62
178		455	492	299	791	1.08	.66	1.74
179		659	954	891	1845	1.45	1.35	2.80
180	8000	749	990	1088	2078	1.32	1.45	2.77

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

AL includes adult females and all fawns.

Table 11. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1991

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
181		585	883	936	1819	1.51	1.60	3.11
182		549	586	749	1335	1.07	1.36	2.43
183		649	1079	1247	2326	1.66	1.92	3.58
184		283	270	401	671	.95	1.41	2.36
199		155	105	83	188	.68	.54	1.21
194		73	3		3	.04	.00	.04
197	1000	629	644	368	1012	1.02	.59	1.61
198		426	313	157	470	.73	.37	1.10
201	619	168	267	410	677	1.59	2.44	4.03
202	800	166	310	383	693	1.87	2.31	4.18
203	500	108	274	256	530	2.54	2.37	4.91
204	1500	747	998	828	1826	1.34	1.11	2.45
205	800	592	979	511	1490	1.65	.86	2.51
206	900	458	659	488	1147	1.44	1.07	2.51
207	900	306	499	468	967	1.63	1.53	3.16
208	400	466	286	163	449	.61	.35	.96
209	800	574	480	332	812	.84	.58	1.42
210	1500	498	744	702	1446	1.49	1.41	2.90
211	1100	743	1134	443	1577	1.53	.60	2.13
212		1123	611	226	837	.54	.20	.74
213		643	8	3	11	.01	.00	.01
214		112	112	4	116	1.00	.04	1.04
221	1000	649	738	761	1499	1.14	1.17	2.31
222	1500	429	819	1035	1854	1.91	2.41	4.32
223	1000	369	476	577	1053	1.29	1.56	2.85
224	150	45	100	69	169	2.22	1.53	3.75
225	2500	666	1519	1775	3294	2.28	2.67	4.95
226	2000	501	889	984	1873	1.77	1.96	3.73
227	1712	392	571	910	1481	1.46	2.32	3.78
235	180	36	96	105	201	2.67	2.92	5.59
236	1055	588	400	547	947	.68	.93	1.61
244	8000	623	1656	2057	3713	2.66	3.30	5.96
245		648	1705	2326	4031	2.63	3.59	6.22
246	7000	1015	2956	4338	7294	2.91	4.27	7.18
247	2500	651	1283	1532	2815	1.97	2.35	4.32
248	1000	135	406	566	972	3.01	4.19	7.20
249	3000	543	932	1736	2668	1.72	3.20	4.92
251	600	66	213	346	559	3.23	5.24	8.47
284	7000	544	1257	1141	2398	2.31	2.10	4.41
285		351	893	856	1749	2.54	2.44	4.98
286		668	1763	2012	3775	2.64	3.01	5.65
287	500	53	161	259	420	3.04	4.89	7.93

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 11. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1991

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
297	300	438	195	35	230	.45	.08	.53
298		748	613	127	740	.82	.17	.99
337A		662	162	5	167	.24	.01	.25
337B	581	662	126	318	444	.19	.48	.67
338A		595	288	12	300	.48	.02	.50
338B	750	595	164	356	520	.28	.60	.88
339A		727	295	80	375	.41	.11	.52
339B	930	727	70	344	414	.10	.47	.57
341A		652	553	55	608	.85	.08	.93
341B	2000	652	199	903	1102	.31	1.38	1.69
342A		396	511	59	570	1.29	.15	1.44
342B	1300	396	169	716	885	.43	1.81	2.24
343A		656	591	31	622	.90	.05	.95
343B	1522	656	154	786	940	.23	1.20	1.43
344A		184	566	13	579	3.08	.07	3.15
344B	1400	184	130	840	970	.71	4.57	5.28
345A		332	501	11	512	1.51	.03	1.54
345B	1300	332	137	603	740	.41	1.82	2.23
346A		374	796	29	825	2.13	.08	2.21
346B	2189	374	255	1154	1409	.68	3.09	3.77
347A		434	550	14	564	1.27	.03	1.30
347B	1050	434	138	611	749	.32	1.41	1.73
348A		327	667	31	698	2.04	.09	2.13
348B	1300	327	133	777	910	.41	2.38	2.79
349A		510	801	34	835	1.57	.07	1.64
349B	2200	510	238	991	1229	.47	1.94	2.41
401A	213	1024	91	99	190	.09	.10	.19
401B	206	1024	116	115	231	.11	.11	.22
402A	300	1023	206	167	373	.20	.16	.36
402B	223	1023	107	129	236	.10	.13	.23
403A	250	375	142	142	284	.38	.38	.76
403B	350	375	211	164	375	.56	.44	1.00
404A	500	619	321	278	599	.52	.45	.97
404B	600	619	321	339	660	.52	.55	1.07
405A	700	638	320	312	632	.50	.49	.99
405B	579	638	177	317	494	.28	.50	.78
406A	550	412	232	242	474	.56	.59	1.15
406B	559	412	219	278	497	.53	.67	1.20
407A	500	596	285	312	597	.48	.52	1.00
407B	592	596	225	381	606	.38	.64	1.02
408A	350	499	270	192	462	.54	.38	.92
408B	500	499	215	301	516	.43	.60	1.03
409A	1800	415	713	936	1649	1.72	2.26	3.98
409B	1188	415	353	759	1112	.85	1.83	2.68

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

AL includes adult females and all fawns.

Table 11. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1991

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
410A	1800	1071	1247	1048	2295	1.16	.98	2.14
410B	1683	1071	478	928	1406	.45	.87	1.32
411A	2200	678	1067	1259	2326	1.57	1.86	3.43
411B	1669	678	421	1022	1443	.62	1.51	2.13
412A	1200	1158	1103	715	1818	.95	.62	1.57
412B	1400	1158	354	760	1114	.31	.66	.97
413A	650	645	747	466	1213	1.16	.72	1.88
413B	850	645	293	497	790	.45	.77	1.22
414A	700	566	795	462	1257	1.40	.82	2.22
414B	800	566	346	553	899	.61	.98	1.59
415A	400	748	481	295	776	.64	.39	1.03
415B	500	748	253	327	580	.34	.44	.78
416A	700	592	529	429	958	.89	.72	1.61
416B	700	592	249	437	686	.42	.74	1.16
417A	900	978	1002	633	1635	1.02	.65	1.67
417B	1300	978	428	731	1159	.44	.75	1.19
418A	700	781	615	498	1113	.79	.64	1.43
418B	800	781	285	485	770	.36	.62	.98
419A	800	770	442	450	892	.57	.58	1.15
419B	1000	770	316	563	879	.41	.73	1.14
420A	550	639	202	212	414	.32	.33	.65
420B	479	639	145	268	413	.23	.42	.65
421A	350	718	237	193	430	.33	.27	.60
421B	344	718	125	186	311	.17	.26	.43
422A	400	620	281	216	497	.45	.35	.80
422B	159	620	58	98	156	.09	.16	.25
423A	400	542	263	188	451	.49	.35	.84
423B	318	542	103	172	275	.19	.32	.51
424A	350	569	427	212	639	.75	.37	1.12
424B	400	569	246	268	514	.43	.47	.90
425A	300	749	226	136	362	.30	.18	.48
425B	299	749	102	141	243	.14	.19	.33
426A	500	626	268	249	517	.43	.40	.83
426B	500	626	180	277	457	.29	.44	.73
427A	150	942	385	120	505	.41	.13	.54
427B	250	942	188	155	343	.20	.16	.36
428A	400	590	216	231	447	.37	.39	.76
428B	500	590	203	270	473	.34	.46	.80
431A	300	454	193	168	361	.43	.36	.79
431B	300	454	138	174	312	.30	.38	.68
433A	150	488	448	115	563	.92	.24	1.16
433B	200	488	129	130	259	.26	.27	.53
435A	200	637	545	157	702	.86	.25	1.11

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 11. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1991

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
435B	300	637	171	214	385	.27	.34	.60
440A	200	664	483	161	644	.73	.24	.97
440B	284	664	75	183	258	.11	.28	.39
442A	500	726	529	359	888	.73	.49	1.22
442B	700	726	192	407	599	.26	.56	.82
443A	400	391	268	261	529	.69	.67	1.36
443B	600	391	125	384	509	.32	.98	1.30
446A	300	343	246	189	435	.72	.55	1.27
446B	389	343	98	260	358	.29	.76	1.05
447A	200	657	291	141	432	.44	.21	.65
447B	250	657	61	132	193	.09	.20	.29
448A	350	444	253	251	504	.57	.57	1.14
448B	398	444	90	266	356	.20	.60	.80
449A	500	465	396	338	734	.85	.73	1.58
449B	496	465	120	355	475	.26	.76	1.02
450A	200	989	168	131	299	.17	.13	.30
450B	300	989	91	143	234	.09	.14	.23
451A	570	689	269	389	658	.39	.56	.95
451B	553	689	142	392	534	.21	.57	.78
452A	283	617	199	183	382	.32	.30	.62
452B	307	617	117	194	311	.19	.31	.50
453A	300	742	186	180	366	.25	.24	.49
453B	300	742	115	164	279	.15	.22	.37
454A	600	826	394	400	794	.48	.48	.96
454B	600	826	195	345	540	.24	.42	.66
455A	112	76	37	82	119	.49	1.08	1.57
455B	120	76	31	69	100	.41	.91	1.32
456A	469	755	194	264	458	.26	.35	.61
456B	500	755	138	245	383	.18	.32	.50
457A	200	666	310	140	450	.47	.21	.68
457B	394	666	105	225	330	.16	.34	.50
458A	250	739	187	161	348	.25	.22	.47
458B	300	739	139	186	325	.19	.25	.44
459A	400	977	418	294	712	.43	.30	.73
459B	600	977	198	377	575	.20	.39	.59
461A	250	509	205	170	375	.40	.33	.73
461B	450	509	200	309	509	.39	.61	1.00
462A	350	530	327	230	557	.62	.43	1.05
462B	600	530	166	317	483	.31	.60	.91

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 11. Registered harvest, harvest/mi and antlerless success by Block and Permit Area, 1991

Permit Area #	Number of Permits	Area Size (SqMi)	No. in Harvest			Harvest/ Square Mile		
			BUCKS	AL	TOTAL	BUCKS	AL	TOTAL
463A	400	454	185	249	434	.41	.55	.96
463B	484	454	79	248	327	.17	.55	.72
464A	165	365	158	129	287	.43	.35	.78
464B	335	365	116	202	318	.32	.55	.87
465A	135	381	71	92	163	.19	.24	.43
465B	135	381	111	93	204	.29	.24	.53
466A	365	942	271	205	476	.29	.22	.51
466B	475	942	206	269	475	.22	.29	.51
467A	250	762	154	165	319	.20	.22	.42
467B	350	762	159	215	374	.21	.28	.49
TOTAL	182783	82049	97348	107182	204530	1.19	1.31	2.49

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 12. 1991 FIREARMS REGISTERED DEER HARVEST BY KILL BLOCK AND Sub-DMU.

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Red River West	401	207	136	33	45		421
	402	313	176	48	72		609
	Total	520	312	81	117	0	1030
Red River East	403	353	209	48	49		659
	404	642	404	96	117		1259
	405	497	428	97	104		1126
	406	451	342	96	82		971
	407	510	430	124	139		1203
	408	485	328	89	76		978
	Total	2938	2141	550	567	0	6196
Agassiz	201	267	255	70	85		677
	202	310	258	71	54		693
	203	274	176	46	34		530
	204	998	577	116	135		1826
	205	979	389	68	54		1490
	206	659	368	72	48		1147
	207	499	352	48	68		967
	208	286	120	18	25		449
	209	480	254	47	31		812
	210	744	462	124	116		1446
	Total	5496	3211	680	650	0	10037
Rainy River West	211	1134	332	64	47		1577
	212	611	163	37	26		837
	213	8	3				11
	214	112	4				116
	Total	1865	502	101	73	0	2541
Rainy River Central	104	292	116	19	9		436
	105	223	65	12	8		308
	106	821	241	50	38		1150
	110	483	355	55	52		945
	Total	1819	777	136	107	0	2839
Rainy River East	107	865	508	113	70		1556
	108	415	300	57	49		821
	109	321	191	35	42		589
	195	3	1	1			5
	Total	1604	1000	206	161	0	2971

TABLE 12. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Superior West	119	682	545	113	125		1465
	120	437	395	90	94		1016
	121	461	375	73	71		980
	Total	1580	1315	276	290	0	3461
Superior Wilderness	115	14	1				15
	116	59	7				66
	117	111	2	2			115
	118						0
	Total	184	10	2	0	0	196
Superior Central	122	242	250	51	39		582
	123	149	132	27	22	1	331
	124	196	160	23	28		407
	125	431	265	38	28		762
	Total	1018	807	139	117	1	2082
Grand Portage I. R.	194	3					3
	Total	3	0	0	0	0	3
Superior East	126	310	147	15	9		481
	127	84	1	1			86
	128	422	211	29	23		685
	129	134	47	6	7		194
	130	29					29
	Total	979	406	51	39	0	1475
Itasca NW	167	810	469	73	54		1406
	168	1258	802	158	120		2338
	169	1439	1038	225	181		2883
	Total	3507	2309	456	355	0	6627
Itasca SW	170	1101	612	110	106		1929
	171	884	673	142	111		1810
	172	1743	1350	270	233	3	3599
	173	1063	795	139	156		2153
	174	601	425	92	59		1177
	Total	5392	3855	753	665	3	10668

TABLE 12. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Itasca NE	175	1123	590	108	97		1918
	176	426	247	36	43		752
	177	400	205	41	22		668
	178	492	223	40	36		791
	179	954	634	143	114		1845
	Total	3395	1899	368	312	0	5974
Itasca SE	180	990	751	193	144		2078
	181	883	682	126	128		1819
	182	584	542	94	113	2	1335
	183	1079	888	190	169		2326
	184	270	278	58	65		671
	199	105	58	12	13		188
	Total	3911	3199	673	632	2	8417
Leech Lake Ind. Res	197	644	262	54	52		1012
	198	313	120	26	11		470
	Total	957	382	80	63	0	1482
Bemidji	284	1257	815	176	150		2398
	285	893	593	162	101		1749
	286	1763	1329	351	332		3775
	287	161	175	54	30		420
	Total	4074	2912	743	613	0	8342
Mille Lacs West	244	1656	1339	384	334		3713
	245	1705	1576	445	305		4031
	251	213	224	67	55		559
	Total	3574	3139	896	694	0	8303
Mille Lacs Central	246	2954	3029	718	591	2	7294
	247	1281	1116	224	192	2	2815
	248	406	388	96	82		972
	249	931	1154	340	242	1	2668
	Total	5572	5687	1378	1107	5	13749

TABLE 12. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Mille Lacs East	152	138	83	24	21		266
	154	500	755	172	139	1	1567
	155	682	1015	238	201	4	2140
	156	1209	1660	301	310	1	3481
	157	1411	2193	511	603		4718
	158	1429	2005	437	476		4347
	159	1695	2542	566	647		5450
	Total	7064	10253	2249	2397	6	21969
W.E. Ind. Res.	297	195	30		5		230
	298	613	94	22	11		740
	Total	808	124	22	16	0	970
Big Woods North	409	1062	1046	354	295	4	2761
	410	1725	1276	364	336		3701
	411	1488	1480	425	376		3769
	412	1457	973	251	251		2932
	413	1040	636	181	146		2003
	414	1141	692	178	145		2156
	415	734	416	110	96		1356
	416	778	608	155	103		1644
	417	1429	966	238	160	1	2794
	418	899	641	175	167	1	1883
	419	756	673	180	160	2	1771
	Total	12509	9407	2611	2235	8	26770
Big Woods Central	221	738	518	123	120		1499
	222	819	728	167	140		1854
	223	475	378	106	93	1	1053
	224	100	45	11	13		169
	225	1518	1236	311	228	1	3294
	226	887	656	183	145	2	1873
	Total	4537	3561	901	739	4	9742

TABLE 12. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Big Woods Metro N	227	569	618	147	145	2	1481
	235	96	54	25	26		201
	236	399	334	126	87	1	947
	Total	1064	1006	298	258	3	2629
Big Woods Metro S	337	288	187	67	69		611
	338	450	249	65	54	2	820
	339	365	234	106	84		789
	Total	1103	670	238	207	2	2220
Big Woods S.E.	341	750	563	238	157	2	1710
	342	678	460	179	136	2	1455
	343	745	496	176	145		1562
	344	691	505	197	151	5	1549
	345	635	359	122	133	3	1252
	346	1046	780	221	182	5	2234
	347	686	391	125	109	2	1313
	348	797	497	173	138	3	1608
	349	1036	657	191	177	3	2064
	Total	7064	4708	1622	1328	25	14747
Prairie North	420	347	316	79	85		827
	421	362	247	70	62		741
	422	339	226	57	31		653
	423	366	222	64	74		726
	424	673	365	65	50		1153
	425	328	191	51	35		605
	426	447	364	91	71	1	974
	427	568	205	44	26	5	848
	428	418	333	90	78	1	920
	Total	3848	2469	611	512	7	7447

TABLE 12. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Prairie River	431	330	246	53	43	1	673
	433	577	191	30	24		822
	435	713	278	57	36	3	1087
	440	558	268	39	37		902
	442	721	526	134	106		1487
	443	393	422	121	102		1038
	Total	3292	1931	434	348	4	6009
Prairie Southeast	461	405	326	81	72		884
	462	493	374	90	83		1040
	463	264	292	97	108		761
	464	274	214	62	55		605
	465	182	110	42	33		367
	466	477	320	103	51		951
	467	312	261	61	58	1	693
	Total	2407	1897	536	460	1	5301
Prairie Southwest	446	344	307	71	71		793
	447	352	188	44	41		625
	448	343	331	107	79		860
	449	516	480	109	104		1209
	450	259	193	45	36		533
	451	411	566	111	104		1192
	452	316	261	64	52		693
	453	301	249	59	36		645
	454	588	512	136	97	1	1334
	455	68	92	31	28		219
	456	332	342	104	63		841
	457	414	268	53	44	1	780
	458	322	236	56	55	4	673
	459	615	480	109	82	1	1287
	Total	5181	4505	1099	892	7	11684
Unknown	UNK	141	155	56	42		394
	Total	141	155	56	42	0	394
Grand Totals		97406	74549	18246	15996	78	206275

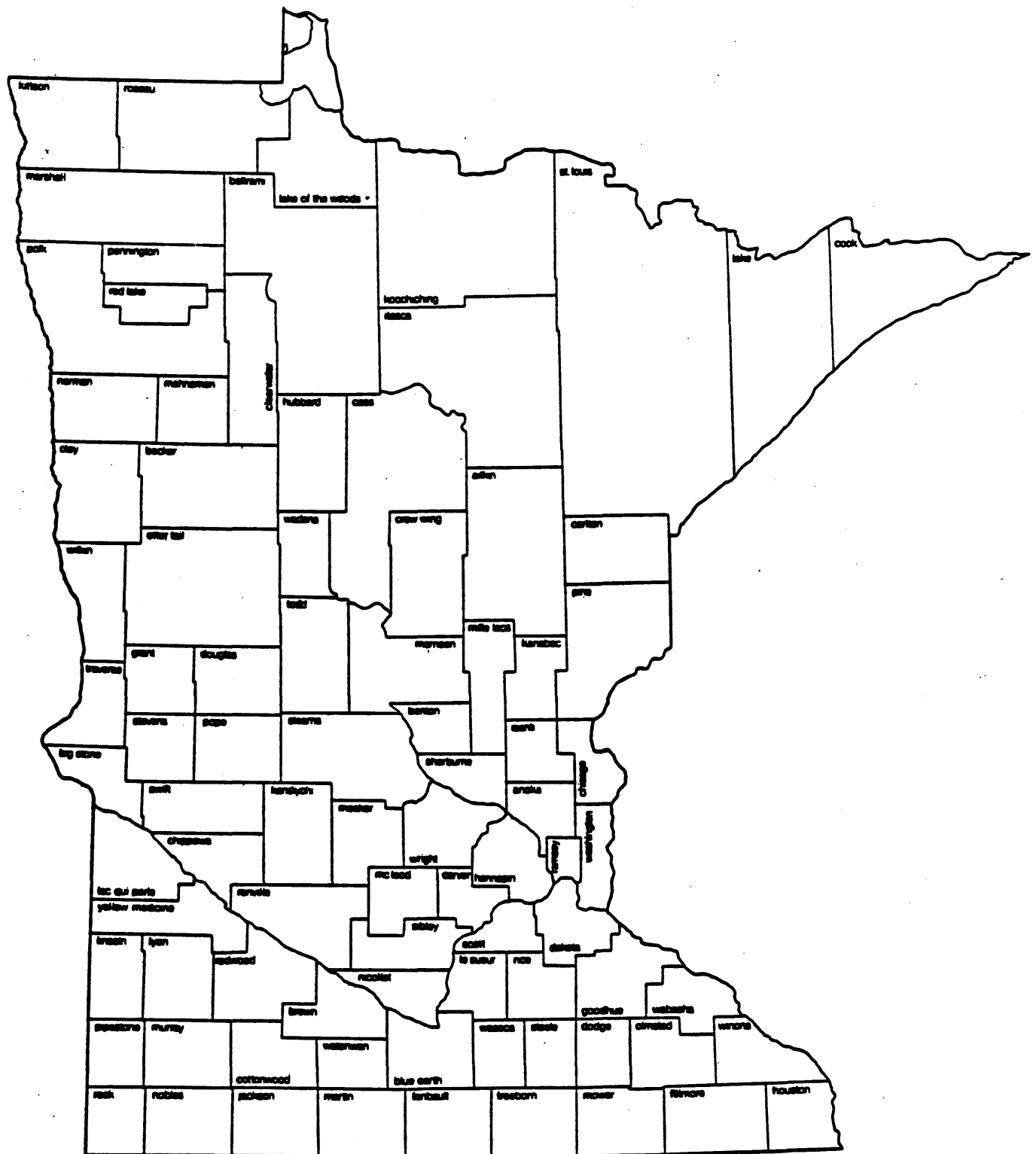


Figure 4. Counties of Minnesota.

TABLE 13. Registered firearms kill by county, 1991.

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Aitkin	3396	3982	826	775	8	8987
Anoka	540	511	119	125	3	1298
Becker	2500	1795	527	430		5252
Beltrami	3654	2042	455	353		6504
Benton	437	301	75	78		891
Big Stone	384	267	64	47	1	763
Blue Earth	594	558	165	141		1458
Brown	477	286	48	35	1	847
Carlton	1231	1095	216	196		2738
Carver	310	214	68	53		645
Cass	4654	3973	894	734	4	10259
Chippewa	421	196	44	23		684
Chisago	1045	779	248	174	1	2247
Clay	754	600	145	146		1645
Clearwater	1544	1035	305	220		3104
Cook	588	262	36	31		917
Cottonwood	374	333	101	80	1	889
Crow Wing	2435	2291	523	416	2	5667
Dakota	266	151	67	52		536
Dodge	254	167	63	58		542
Douglas	1004	668	162	167		2001
Faribault	495	386	77	62		1020
Fillmore	1684	1016	354	300	5	3359
Freeborn	403	268	90	40		801
Goodhue	929	664	261	185	1	2040
Grant	501	307	105	102		1015
Hennepin	125	78	29	42		274
Houston	1335	948	256	223	3	2765
Hubbard	2543	2299	619	479		5940
Isanti	1017	876	206	179	1	2279
Itasca	5300	3355	657	555		9867
Jackson	316	318	96	63		793
Kanabec	1573	2211	467	526		4777
Kandiyohi	1161	740	190	139		2230
Kittson	1284	819	177	216		2496
Koochiching	2213	1053	199	129		3594
Lac Qui Parle	687	388	64	75		1214
Lake	1102	503	77	54		1736
Lake of the Woods	1318	416	89	66		1889
LeSueur	402	324	76	75		877
Lincoln	427	455	148	112		1142
Lyon	551	516	114	113		1294
McLeod	365	216	58	42	1	682
Mahnomen	409	62	5	6		482
Marshall	1916	1259	268	279		3722
Martin	329	241	63	45	4	682

TABLE 13. Continued

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Meeker	661	542	138	92		1433
Mille Lacs	1198	1352	406	360	1	3317
Morrison	1730	1539	384	313	1	3967
Mower	278	241	48	47	1	615
Murray	428	478	115	79		1100
Nicollet	399	255	67	57		778
Nobles	338	248	48	40		674
Norman	647	509	131	173		1460
Olmstead	698	485	160	131	1	1475
Ottertail	4045	3461	1033	937	1	9477
Pennington	294	247	47	51		639
Pine	3497	4745	1015	1117		10374
Pipestone	252	277	51	51		631
Polk	1559	979	261	255		3054
Pope	952	677	148	122		1899
Ramsey	1	3				4
Red Lake	334	268	50	42		694
Redwood	498	310	62	58		928
Renville	676	284	55	44	5	1064
Rice	430	362	81	69		942
Rock	202	198	54	36		490
Roseau	2310	1110	222	198		3840
St. Louis	7494	5210	1055	981	2	14742
Scott	332	183	41	41	2	599
Sherburne	664	476	130	124		1394
Sibley	419	216	52	32	2	721
Stearns	1360	1001	267	240	3	2871
Steele	280	201	64	48		593
Stevens	404	236	57	52		749
Swift	782	479	112	65		1438
Todd	1919	1206	331	268		3724
Traverse	324	220	53	30		627
Wabasha	958	695	258	193	3	2107
Wadena	1539	1513	367	339	4	3762
Waseca	271	269	88	104		732
Washington	434	355	125	86	1	1001
Watsonwan	245	205	45	46	1	542
Wilkin	266	214	54	52		586
Winona	1757	1193	417	361	12	3740
Wright	658	536	147	149	2	1492
Yellow Medicine	574	310	85	60		1029
Non-Resident	11		2	1		14
Unknown	46	40	24	12		122
Totals	97411	74552	18246	15997	78	206284

This report includes bonus tags.

Table 14. 1991 Firearms Special Permit Area Data

<u>Area</u>	<u>Dates</u>	<u>Applications</u>	<u>Permits</u>		<u>Harvest</u>		<u>Total</u>
			<u>Regular</u>	<u>Bonus</u>	<u>Bucks</u>	<u>Antlerless</u>	
St. Croix S.P.	11/16-11/17	1,009	600	307	133	531	664
Lake Bronson S.P.	11/14-11/17	57	40	25	10	27	37
Zippel Bay S.P.	11/09-11/17	100	50	33	20	32	52
Forestville S.P.	11/23-11/25	160	100	63	13	49	62
Frontenac S.P.	11/23-11/25	39	30	21	7	24	31
O.L. Kipp S.P.	11/23-11/24 11/28-11/29	138	125	66	19	45	64
Wild River S.P.	11/16-11/17	201	127	77	18	129	147
Rice Lake N.W.R.	11/16-11/18	111	100	0	10	25	35
MN Valley S.P.	11/23-11/25	46	46 ³	28	7	41	48
Whitewater WMA G.R. ⁴	11/23-11/29	128	109	0	2	90	92
Carver P.R.	11/23-11/24	157	115	0	21	74	95
Maplewood S.P.	11/16-11/19	296	203	0	43	95	138
Alternative Deer Control ¹	11/30-12/1	2,387	0	108	0	47	47
	12/6 - 12/8		0	95	0	28	28
	12/13-12/15		0	97	6	16	22
Disabled Hunt - Carlos Avery WMA	10/19-10/27	—	12	0	1	6	7 ²

¹The Alternative Deer Control Program was for bonus deer only on three separate weekends in Fort Snelling S.P. and Minnesota Valley N.W.R.

²There was 1 antlerless deer taken by bow and arrow included in the Disabled Hunt total.

³Includes 26 antlerless-only permits and 20 either-sex permits.

⁴Antlerless-only hunt. Only 43 applications were received, but hunters from other special hunts were offered permits.

TABLE 15. Archery deer harvest by county, 1991.

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Aitkin	99	137	26	14	1	277
Anoka	206	163	59	36		464
Becker	62	34	7	5		108
Beltrami	68	73	18	13		172
Benton	53	27	9	8		97
Big Stone	28	25	7	2		62
Blue Earth	96	68	15	11		190
Brown	55	35	7	4		101
Carlton	35	18	3	3		59
Carver	63	48	14	15		140
Cass	94	108	31	20		253
Chippewa	56	45	9	5		115
Chisago	128	83	25	25		261
Clay	90	46	10	6		152
Clearwater	15	9	3			27
Cook	9	14	1	6		30
Cottonwood	48	31	6	10		95
Crow Wing	143	120	45	21	1	330
Dakota	112	129	33	24		298
Dodge	45	33	12	3		93
Douglas	68	40	11	8		127
Faribault	57	21	2	4		84
Fillmore	85	50	23	13		171
Freeborn	55	26	9	4	1	95
Goodhue	79	51	12	11		153
Grant	16	10	1			27
Hennepin	109	88	30	31	1	259
Houston	77	52	18	11		158
Hubbard	80	81	15	11		187
Isanti	105	82	21	20		228
Itasca	110	123	18	20		271
Jackson	45	57	12	6		120
Kanabec	77	105	28	27		237
Kandiyohi	128	68	17	9		222
Kittson	76	39	7	7		129
Koochiching	32	21		7		60
Lac Qui Parle	78	52	6	8		144
Lake	31	28	2	6		67
Lake of the Woods	22	12	3	2		39
LeSueur	36	35	9	11		91
Lincoln	23	37	8	8		76
Lyon	67	40	14	16		137
McLeod	45	40	10	4		99
Mahnomen	2	3				5
Marshall	67	38	9	7	1	122
Martin	42	16	11	3		72

TABLE 15. Continued

County	ADULT		FAWN		UnID	Total
	Male	Female	Male	Female		
Meeker	65	40	6	11		122
Mille Lacs	49	76	25	20		170
Morrison	90	87	24	18	1	220
Mower	80	40	8	10		138
Murray	49	23	6	7		85
Nicollet	57	47	11	6		121
Nobles	15	18	12	5		50
Norman	44	13	5			62
Olmstead	70	88	31	24		213
Ottertail	187	122	30	23	1	363
Pennington	8	5	2	1		16
Pine	193	251	56	41	1	542
Pipestone	20	24	8	4		56
Polk	70	21	2	4		97
Pope	76	48	6	6		136
Ramsey		11	2	4		17
Red Lake	7	3				10
Redwood	48	36	6	3		93
Renville	40	20	7	4		71
Rice	54	42	14	7		117
Rock	23	15	5			43
Roseau	110	93	18	11		232
St. Louis	116	85	19	16		236
Scott	125	132	40	28	2	327
Sherburne	99	67	31	12		209
Sibley	52	29	5	5		91
Stearns	207	171	51	31	2	462
Steele	39	24	5	5		73
Stevens	20	9	4	4		37
Swift	53	27	13	3		96
Todd	120	95	12	12		239
Traverse	26	3	1	1		31
Wabasha	56	35	17	13		121
Wadena	36	41	10	5		92
Waseca	27	13	7	1		48
Washington	259	160	45	42		506
Watsonwan	26	14	11	6		57
Wilkin	34	18	2	3		57
Winona	141	81	30	18		270
Wright	108	63	23	11	1	206
Yellow Medicine	41	25	6	4		76
Non-Resident						0
Unknown	27	21	3	4	1	56
Totals	6084	4697	1255	918	14	12968

This report includes bonus tags.
Camp Ripley is not included (for Morrison county).

TABLE 16. 1991 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	54	23	5	5	1	88
	402	43	12	4			59
	Total	97	35	9	5	1	147
Red River East	403	28	13	3	2		46
	404	26	15	1	2		44
	405	19	5	2	1		27
	406	19	8		1		28
	407	43	20	2	2		67
	408	20	1				21
	Total	155	62	8	8	0	233
Agassiz	201	9	8	3	1		21
	202	9	6	2	1		18
	203	3	4	1	1		9
	204	32	19		2		53
	205	36	27	5	4		72
	206	34	17	7	2		60
	207	10	4		1		15
	208	12	5	3	1		21
	209	17	10		1		28
	210	7	3				10
	Total	169	103	21	14	0	307
Rainy River West	211	24	39	8	5		76
	212	8	3	1	1		13
	213						0
	214	2	1		1		4
	Total	34	43	9	7	0	93
Rainy River Central	104	3	2		1		6
	105	3	1	1			5
	106	12	9		1		22
	110	4	11	2	3		20
	Total	22	23	3	5	0	53
Rainy River East	107	10	11		3		24
	108	6	11		2		19
	109	1					1
	195						0
	Total	17	22	0	5	0	44

TABLE 16. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Superior West	119	4	1				5
	120	4	6	1	1		12
	121	2	6	1	2		11
	Total	10	13	2	3	0	28
Superior Wilderness	115						0
	116		1				1
	117	1	1				2
	118						0
	Total	1	2	0	0	0	3
Superior Central	122	6	7	1			14
	123	1	1				2
	124	2	1	2			5
	125	10	10	2	3		25
	Total	19	19	5	3	0	46
Grand Portage I. R.	194						0
	Total	0	0	0	0	0	0
Superior East	126	12	14		2		28
	127		1		1		2
	128	8	10		5		23
	129	2	3	1	1		7
	130		1				1
	Total	22	29	1	9	0	61
Itasca NW	167	8	6		1		15
	168	21	31	4	1		57
	169	27	34	5	2		68
	Total	56	71	9	4	0	140

TABLE 16. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Itasca SW	170	38	23	6	10		77
	171	20	26	3	7		56
	172	43	45	11	8		107
	173	32	30	9	2		73
	174	6	23	4	2		35
	Total	139	147	33	29	0	348
Itasca NE	175	10	11	2			23
	176	6	4	1	1		12
	177	6	5	3	2		16
	178	8	5	2			15
	179	13	14		3		30
	Total	43	39	8	6	0	96
Itasca SE	180	45	20	4	4		73
	181	17	8	4	5		34
	182	14	12	4	2		32
	183	24	18	3	3		48
	184	10	6	2	1		19
	199	4					4
	Total	114	64	17	15	0	210
Leech Lake Ind. Res	197	7	10				17
	198	2	1	2	1		6
	Total	9	11	2	1	0	23
Bemidji	284	43	47	8	8		106
	285	8	2	3			13
	286	54	43	9	5		111
	287	1	3	1			5
	Total	106	95	21	13	0	235

TABLE 16. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Mille Lacs West	244	44	24	7	3		78
	245	39	32	8	6		85
	251	1	2		1		4
	Total	84	58	15	10	0	167
Mille Lacs Central	246	65	71	18	14		168
	247	103	89	30	13	1	236
	248	32	30	6	5	1	74
	249	38	38	12	10		98
	Total	238	228	66	42	2	576
Mille Lacs East	152	13	12	5	2		32
	154	21	30	4	1		56
	155	15	28	5	1		49
	156	42	30	9	9		90
	157	67	94	35	26	1	223
	158	76	120	21	25		242
	159	129	166	34	24	1	354
	Total	363	480	113	88	2	1046
W.E. Ind. Res.	297	2	3				5
	298	2	2	1			5
	Total	4	5	1	0	0	10
Big Woods North	409	38	56	13	5		112
	410	68	36	7	9		120
	411	76	41	8	10	1	136
	412	81	43	11	4		139
	413	88	50	14	13		165
	414	45	46	9	7		107
	415	107	90	18	15		230
	416	56	33	11	6		106
	417	154	85	16	13		268
	418	124	111	34	17	1	287
	419	129	81	27	15	2	254
	Total	966	672	168	114	4	1924

TABLE 16. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Big Woods Central	221	54	36	13	13		116
	222	33	20	7	4		64
	223	81	65	27	14		187
	224	10	8	3	1		22
	225	124	102	27	23		276
	226	123	72	21	19		235
	Total	425	303	98	74	0	900
Big Woods Metro N	227	130	108	30	29		297
	235	45	33	9	7		94
	236	288	200	67	53		608
	Total	463	341	106	89	0	999
Big Woods Metro S	337	138	97	29	34	1	299
	338	147	163	48	34	2	394
	339	113	133	36	26		308
	Total	398	393	113	94	3	1001
Big Woods S.E.	341	58	33	10	13		114
	342	32	20	10	6		68
	343	76	99	38	20		233
	344	61	33	18	12		124
	345	52	18	11	7		88
	346	75	71	19	12		177
	347	35	21	6	6		68
	348	39	25	10	5		79
	349	54	32	9	6		101
	Total	482	352	131	87	0	1052
Prairie North	420	51	41	10	4		106
	421	44	11	3	2		60
	422	28	5	1	1		35
	423	12	9	1			22
	424	31	17	3	2		53
	425	24	11	3	2		40
	426	22	14	4	2		42
	427	56	30	7	5		98
	428	72	51	10	9		142
	Total	340	189	42	27	0	598

TABLE 16. Continued

Sub-DMU	Block	ADULT		FAWN		UnID	Total
		Male	Female	Male	Female		
Prairie River	431	24	17	3	1		45
	433	81	85	18	11		195
	435	57	39	8	5		109
	440	57	46	7	3		113
	442	109	93	20	16		238
	443	42	33	12	5		92
	Total	370	313	68	41	0	792
Prairie Southwest	446	21	9	1	2		33
	447	39	15	8	2		64
	448	18	20	2	4		44
	449	65	35	14	14		128
	450	24	11	4	1		40
	451	26	53	14	12		105
	452	28	15	5	2		50
	453	14	18	14	4		50
	454	75	38	5	12		130
	455	13	12	3	2		30
	456	48	57	12	8		125
	457	44	16	3	3		66
	458	43	15	13	6		77
	459	68	29	6	4		107
	Total	526	343	104	76	0	1049
Prairie Southeast	461	37	37	8	10		92
	462	65	33	13	5		116
	463	26	15	7	2		50
	464	31	22	7			60
	465	48	29	7	7		91
	466	72	29	12	6	1	120
	467	75	35	6	10		126
	Total	354	200	60	40	1	655
Unknown	UNK	57	40	22	8	1	128
	Total	57	40	22	8	1	128
Grand Totals		6083	4695	1255	917	14	12964

Table 17. 1991 Archery Special Permit Area Data

<u>Area</u>	<u>Dates</u>	<u>Applications</u>	<u>Permits Issued</u>	<u>Harvest</u>		<u>Total</u>
				<u>Bucks</u>	<u>Antlerless</u>	
Crow-Hassan P.R.	10/26-10/27 11/21-11/22	368	140	6	22	28
Cleary Reg. Park	11/15-11/17	27	27	1	4	5
Murphy-Hanrahan Park Reserve	11/15-11/17	357	206	15	41	56
Brainerd-Crow Wing County Airport	09/14-12/31	246	246	5	10	15
Lake Louise S.P.	11/16-11/19	232	42 ¹	4	8	12
Camp Ripley	10/19-10/28	3,602	2,000	55	64	119
	11/02-11/03 ²	2,872	2,000	32	68	100
MN Valley NWR/ Carver Wayside	09/14-12/31	N.A.	N.A.	5	31	36

¹Includes 25 either-sex permits and 17 bonus (antlerless-only) permits.

²The 11/02-11/03 hunt was postponed to 11/30-12/01 due to inclement weather.

TABLE 18. Bonus Bow Hunt results, 1991.

Registra- tion Block Number	Harvest:		regular license (bonus lic.)		Totals	Percent Increase by Bonus
	Adult Male	Adult Female	Fawn Male	Fawn Female		
157	67 ()	57 (37)	20 (15)	15 (11)	159 (63)	39.4%
158	75 (1)	84 (36)	15 (6)	20 (5)	194 (48)	24.7%
159	129 ()	119 (47)	26 (8)	18 (6)	293 (61)	20.8%
201	9 ()	8 ()	3 ()	(1)	20 (1)	5.0%
227	130 ()	75 (33)	23 (7)	21 (8)	249 (48)	19.3%
236	283 (5)	100 (100)	34 (33)	24 (29)	441 (167)	37.9%
337	137 (1)	47 (50)	15 (14)	15 (19)	215 (84)	39.1%
338	147 ()	77 (86)	23 (25)	18 (16)	266 (128)	48.1%
339	113 ()	88 (45)	22 (14)	19 (7)	242 (66)	27.3%
343	75 (1)	45 (54)	16 (22)	11 (9)	147 (86)	58.5%
346	74 (1)	52 (19)	12 (7)	7 (5)	145 (32)	22.1%
401	54 ()	16 (7)	5 ()	4 (1)	80 (8)	10.0%
409	38 ()	21 (35)	7 (6)	1 (4)	67 (45)	67.2%
420	51 ()	14 (27)	8 (2)	1 (3)	74 (32)	43.2%
451	26 ()	26 (27)	9 (5)	5 (7)	66 (39)	59.1%
456	48 ()	21 (36)	8 (4)	3 (5)	80 (45)	56.3%
	-----	-----	-----	-----	-----	-----
Totals	456 (9)	850 (639)	46 (68)	82 (136)	2738 (953)	34.8%

Table 19. Special Muzzleloader Season Harvests, 1991.
(Does Not Include Special Permit Area Harvests)

Area	HARVEST		
	Adult Buck	Antlerless	Total
Aurora WMA	1	2	3
Boyd/Faribault WMA	0	1	1
Brainerd Airport	1	5	6
Carlos Avery WMA	0	5	5
Chengwatana S.F.	3	12	15
Cloquet Valley S.F.	3	10	13
Dalbo WMA	0	3	3
George Washington S.F.	5	19	24
Gores Pool WMA	0	0	0
Kabetogama S.F.	0	2	2
Kunkel WMA	0	0	0
Land-O-Lakes S.F.	0	7	7
Lost River S.F.	1	1	2
McCarthy Lake WMA	0	10	10
Meadowbrook WMA	1	4	5
Mille Lacs WMA	2	33	35
Nemadji S.F.	0	4	4
Paul Bunyan G.R.	14	32	46
Red Lake WMA/ Beltrami S.F.	10	50	60
Red Lake S.F.	1	0	1
R.J. Dorer Mem. S.F. Thorpe WMA	7	12	19
Roseau River WMA	5	0	5
Rum River S.F.	2	14	16
Savanna S.F.	0	10	10
Southwest Areas	67	334	401
Sturgeon River S.F.	0	0	0
Thief Lake WMA	2	1	3
Whitewater WMA	15	91	106
Totals	140	662	802

Table 20. 1991 Muzzleloader Special Permit Area Data.

Area	Dates	Applications	Permits Issued		Harvest		
			Regular	Bonus	Bucks	Antlerless	Total
Carlos Avery WMA (Sanctuary)	11/30-12/06	82	23	0	3	8	11 ¹
	12/07-12/15	42	20	0	2	8	10 ¹
Lake Shetek S.P. ²	11/30-12/01	83	40	0	0	27	27
Helmer Myre S.P. ²	11/30-12/03	75	40	21	2	38	40
Lake Louise S.P.	11/30-12/01	33	25	16	3	26	29
Nerstrand Woods S.P.	11/30-12/03	186	50	33	5	40	45
Garvin County Park	11/30-12/06	7	7	0	0	0	0

¹Harvest for Carlos Avery Sanctuary was determined from a hunter questionnaire.

²Lake Shetek and Helmer-Myre State Park hunters were restricted to shooting antlerless deer only.

Table 21. Special Muzzleloader Season Harvest by Kill-Block 1991
(Includes Special Permit Areas)

Kill Block	Male		Female		Total
	Adult	Fawn	Adult	Fawn	
110	1	0	0	0	1
119	0	0	1	0	1
152	2	8	20	5	35
157	2	4	8	2	16
159	0	2	2	0	4
169	5	3	13	2	23
173	0	4	1	2	7
175	0	0	1	0	1
179	1	0	2	0	3
180	2	1	4	3	10
182	0	5	5	0	10
184	0	2	2	0	4
201	5	0	0	0	5
202	2	0	1	0	3
205	1	0	0	1	2
211	7	9	29	6	51
212	3	0	6	0	9
225	3	4	9	2	18
235	6	8	17	6	37
245	14	7	17	8	46
246	1	0	4	0	5
247	1	0	2	3	6
341	3	1	2	0	6
342	0	3	6	1	10
343	2	1	3	2	8
344	15	15	59	17	106
345	1	0	0	1	2
348	0	0	1	1	2
349	1	0	0	0	1
416	0	0	4	1	5
417	0	0	0	1	1
424	5	3	5	3	16
427	0	0	2	0	2

Table 21. Cont.

Kill Block	Male		Female		Total
	Adult	Fawn	Adult	Fawn	
431	4	7	4	1	16
433	32	39	134	45	250
435	1	1	4	0	6
438	2	0	0	0	2
442	0	1	0	0	1
446	5	1	5	1	12
447	1	0	0	0	1
449	1	1	2	1	5
453	1	0	0	1	2
454	0	12	17	4	33
455	4	11	8	5	28
456	1	5	2	2	10
457	0	0	3	1	4
459	10	10	8	5	33
461	0	1	0	0	1
462	5	11	17	12	45
464	1	1	1	0	3
466	2	11	17	10	40
467	3	6	13	7	29
TOTAL	156	198	444	163	961

