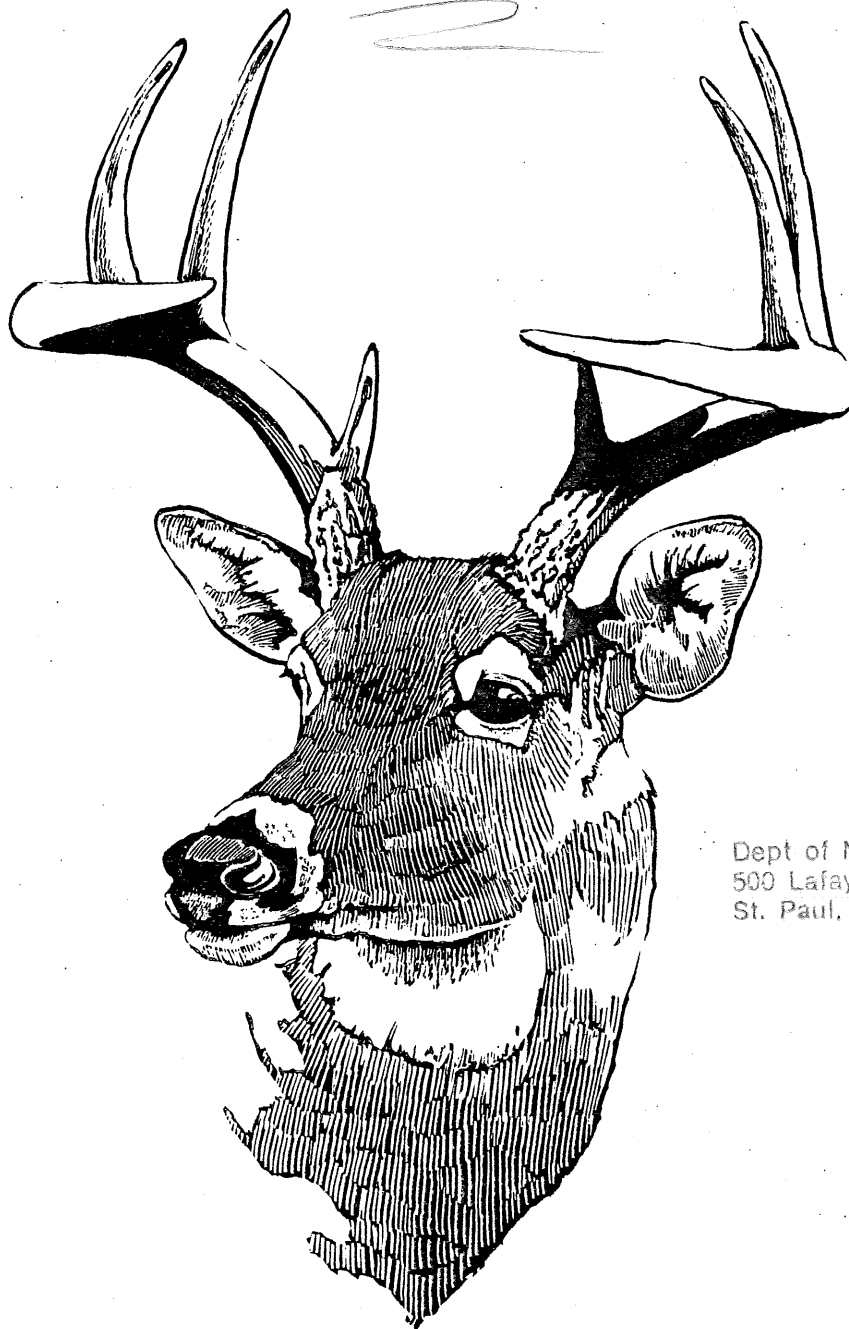


MINNESOTA

WINTER HARVEST SUMMARY



1979



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DIVISION OF FISH & WILDLIFE
DEPARTMENT OF NATURAL RESOURCES

ST. PAUL, MINNESOTA 55155

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1979 BIG GAME HUNTING SEASONS SUMMARY

DEER —

BOW & ARROW	Statewide	Sept. 29 - Nov. 25, either sex, except legal buck only within a firearms zone when there is an open firearms deer season therein.
	Firearms deer Zone 3 and that part of Zone 1 south of U.S. Hwy. 2.....	Dec. 1 - Dec. 16, 1979, either sex
	Camp Ripley	To be announced

DEER — FIREARMS Hunter must select one of the nine options listed below.

ZONE 1...LEGAL BUCK AND ANTLERLESS DEER BY PERMIT ON NOV. 16-18	NOV. 3-18...	1
OR...ZONE 2...LEGAL BUCK AND ANTLERLESS DEER BY PERMIT ON NOV. 10-11	NOV. 3-11...	2
OR...ZONE 3...LEGAL BUCK	NOV. 3-12...	3A
OR...ZONE 3...LEGAL BUCK AND ANTLERLESS DEER BY PERMIT	NOV. 23-25...	3B
OR...ZONE 4...LEGAL BUCK	NOV. 3-5...	4A
OR...ZONE 4...LEGAL BUCK AND ANTLERLESS DEER BY PERMIT	NOV. 10-11...	4B
OR...ZONE 5...LEGAL BUCK	NOV. 3-5...	5A
OR...ZONE 5...LEGAL BUCK AND ANTLERLESS DEER BY PERMIT	NOV. 10...	5B
OR...SPECIAL MUZZLELOADER SEASON DESIGNATED AREAS — EITHER SEX	DEC. 1-16...	ML

ONE OF THESE NINE OPTIONS MUST BE PUNCHED ON LICENSE.

1979 Firearms Deer Zones

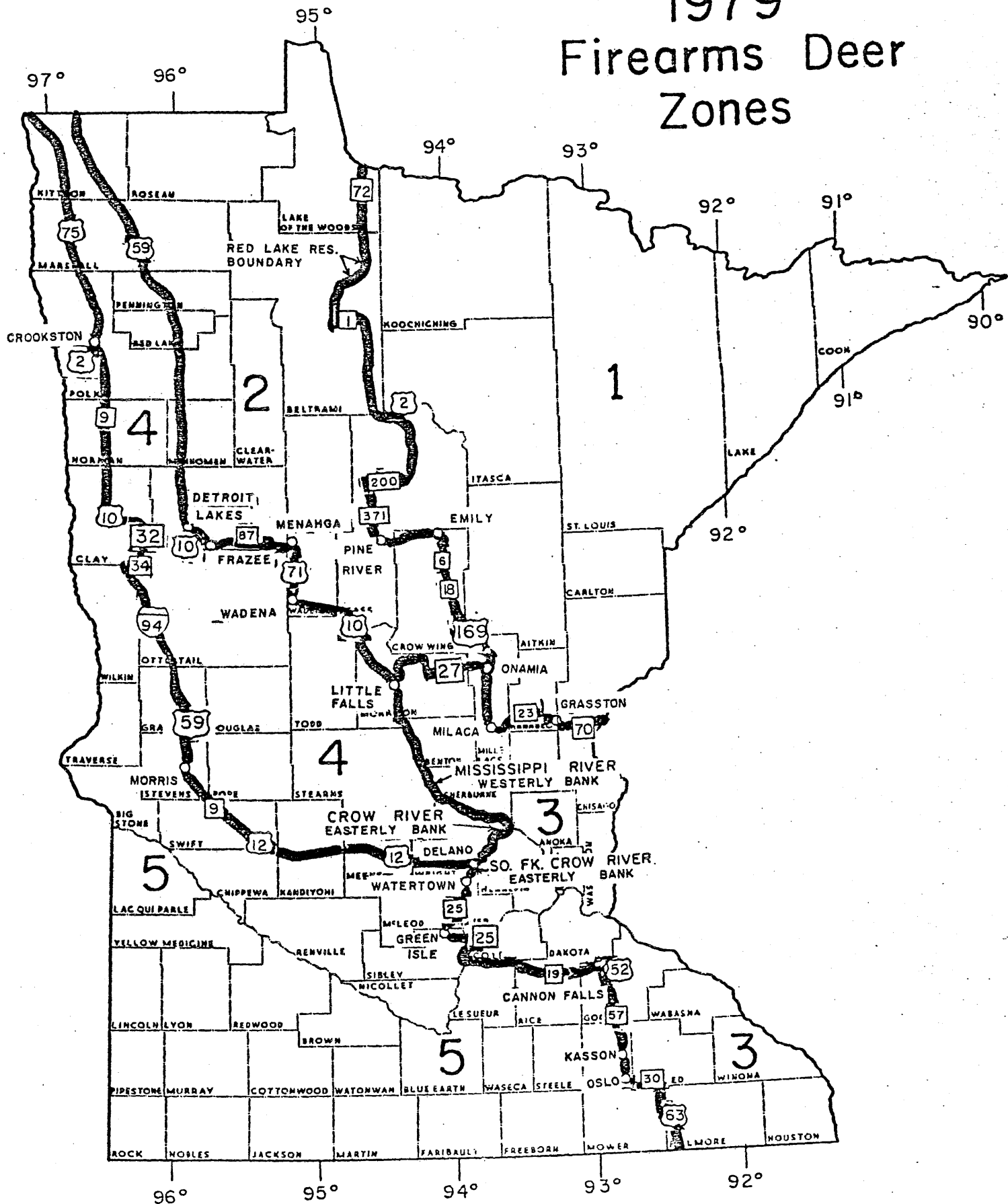


Figure 1.

Table 1. Percentage of resident hunters selecting various date and zone options for the 1979 Firearms Deer Season*.

Zone Number	Nov. 3 Start	Nov. 10 Start	Nov. 10 Only	Nov. 23 Start	Totals for Zone
1	47%	-	-	-	47%
2	19%	-	-	-	19%
3	6%	-	-	5%	11%
4	7%	6%	-	-	13%
5	5%	-	4%	-	9%
ML**	-	-	-	-	1%
Totals	84%	6%	4%	5%	100%
1978***	79%	3%	8%	9%	
1977***	83%	-	10%	6%	

* Proportions derived from a random sample of 27,596 license receipts.

** Special muzzleloader season - December 1-16

*** Opening dates 1977-1979 are inconsistent, percentages are closest approximations.

Table 2. Number of hunters selecting various date and zone options for the 1979 Firearms Deer Season.*

Zone Number	Nov. 3 Start	Nov. 10 Start	Nov. 10 Only	Nov. 23 Start	Totals for Zones
1	153,083	-	-	-	153,083
2	61,885	-	-	-	61,885
3	19,543 (55%)**	-	-	16,285 (45%)**	35,828
4	22,800 (54%)**	19,543 (46%)**	-	-	42,343
5	16,285 (56%)**	-	13,028 (44%)**	-	29,313
ML	-	-	-	-	3,257
Totals	273,596	19,543	13,028	16,285	325,709
1978 Totals	248,430	9,434	25,157	28,302	314,468
1977 Totals	239,551	-	28,862	17,317	288,616

* Based upon proportions from Table 1 and resident and non-resident firearms deer license sales of 325,709 by preliminary count 12-20-79.

** Proportion of zone total.

Table 3. PERMIT AREA QUOTAS, NUMBER OF APPLICATIONS AND OTHER DATA FOR 1979 ANTLERLESS PERMITS.

A total of 57,750 permits were offered in 94 Permit Areas. A total of 214,967 applications were received. Of those, 1,843 arrived after the application deadline and 25,091 were rejected for various failures in filling out the form properly. A total of 188,033 applications were eligible to enter the drawings. Five permit areas (9, 102, 120, 149 and 154) were undersubscribed and 705 permits could not be issued. The overall odds for obtaining an antlerless permit were 1 in 3.26 and 30 percent of all applicants received a permit.

<u>AREA NO.</u>	<u>NO. PERMITS</u>	<u>NO. APPLICATIONS</u>	<u>ODDS</u>	<u>PERMIT/APPLICATION*</u>
9	525	176	n.a.	2.98
10	285	386	1 in 1.35	0.74
11	450	716	1 in 1.59	0.63
12	990	2,095	1 in 2.12	0.47
13	150	766	1 in 5.11	0.20
14	300	974	1 in 3.25	0.31
15	300	418	1 in 1.39	0.72
16	200	434	1 in 2.17	0.46
17	300	1,280	1 in 4.27	0.23
18	500	910	1 in 1.82	0.55
54	350	1,995	1 in 5.70	0.18
55	200	1,348	1 in 6.74	0.15
56	300	2,175	1 in 7.25	0.14
58	150	3,184	1 in 21.23	0.05
59	150	756	1 in 5.04	0.20
69	100	282	1 in 2.82	0.35
78	200	4,515	1 in 22.58	0.04
83	1600	3,090	1 in 1.93	0.52
84	700	1,696	1 in 2.42	0.41
85	1350	3,099	1 in 2.30	0.44
86	1000	2,222	1 in 2.22	0.45
87	200	855	1 in 4.28	0.23
88	300	760	1 in 2.53	0.39
89	1500	2,305	1 in 1.54	0.65
90	1900	2,248	1 in 1.18	0.84
91	400	1,167	1 in 2.92	0.34
92	2400	3,358	1 in 1.40	0.71
93	100	962	1 in 9.62	0.10
94	100	1,252	1 in 12.52	0.08
95	400	1,069	1 in 2.67	0.37
96	500	893	1 in 1.79	0.56
97	600	1,055	1 in 1.76	0.57
98	1000	2,354	1 in 2.35	0.42
99	1400	1,944	1 in 1.39	0.72
100	400	508	1 in 1.27	0.79
101	420	475	1 in 1.13	0.88
102	400	294	n.a.	1.36
103	350	707	1 in 2.02	0.49
104	450	630	1 in 1.40	0.71
108	105	225	1 in 2.14	0.47
120	275	113	n.a.	2.43
121	575	632	1 in 1.10	0.91
122	300	472	1 in 1.57	0.64

Table 3. Continued.

<u>AREA NO.</u>	<u>NO. PERMITS</u>	<u>NO. APPLICATIONS</u>	<u>ODDS</u>	<u>PERMIT/APPLICATIONS*</u>
123	500	596	1 in 1.19	0.84
124	325	627	1 in 1.93	0.52
125	175	402	1 in 2.30	0.45
126	225	695	1 in 3.09	0.32
127	225	617	1 in 2.74	0.42
128	275	539	1 in 1.96	0.51
129	150	240	1 in 1.60	0.62
130	80	436	1 in 5.45	0.18
131	470	942	1 in 2.0	0.50
132	200	535	1 in 2.68	0.37
133	125	412	1 in 3.30	0.30
134	275	517	1 in 1.88	0.53
135	205	382	1 in 1.86	0.54
136	300	811	1 in 2.70	0.37
137	440	622	1 in 1.41	0.71
138	45	341	1 in 7.58	0.13
139	100	450	1 in 4.50	0.22
140	60	195	1 in 3.25	0.31
141	240	780	1 in 3.25	0.31
142	250	454	1 in 1.82	0.55
143	50	185	1 in 3.70	0.27
144	900	1,905	1 in 2.12	0.47
145	1,000	1,470	1 in 1.47	0.68
146	740	903	1 in 1.22	0.82
147	1,000	2,944	1 in 2.94	0.34
148	1,000	1,096	1 in 1.10	0.91
149	1,800	1,738	n.a.	1.04
150	700	875	1 in 1.25	0.80
151	700	1,266	1 in 1.81	0.55
152	2,800	2,851	1 in 1.02	0.98
154	100	74	n.a.	1.35
155	55	166	1 in 3.12	0.33
206	1,300	2,635	1 in 2.03	0.49
207	700	1,011	1 in 1.44	0.69
208	300	1,014	1 in 3.38	0.30
209	1,200	2,577	1 in 2.15	0.46
210	100	427	1 in 4.27	0.23
300	125	969	1 in 7.75	0.13
401	350	1,036	1 in 2.96	0.34
402	150	1,246	1 in 8.31	0.12
403	340	1,349	1 in 3.97	0.25
501	750	3,517	1 in 4.69	0.21
502	750	10,414	1 in 13.88	0.07
601	500	2,263	1 in 4.53	0.22
602	500	3,127	1 in 6.25	0.16
603	1,500	3,128	1 in 2.08	0.50
604	1,500	12,101	1 in 8.07	0.12
605	4,000	15,976	1 in 3.99	0.25
606	1,500	14,802	1 in 9.87	0.10
607	1,500	14,044	1 in 9.36	0.11
608	1,000	13,536	1 in 13.54	0.07
94 Areas	57,750	188,033	1 in 3.26	0.30

*Percent of applicants receiving permits, except undersubscribed areas.

Table 4 . Comparison of the proportions of males 16 years of age or less and all females applying for antlerless permits with the proportions of these cohorts buying firearms deer licenses in 1978 and 1979.

Group	Males age 16 or younger		Females of all ages	
	1978	1979	1978	1979
License buyers	8.9% ^a	9.2% ^c	4.4% ^a	5.0% ^c
Permit applicants	8.1% ^b	7.2% ^d	11.7% ^b	16.9% ^d

a - sample size 1,400

b - sample size 6,186

c - sample size 1,537

d - sample size 1,408

Note: For each year, χ^2 tests were performed to examine whether the proportions within each of the categories (males 16 or younger, males older than 16, and females) were the same for permit applicants and license buyers. Highly significant differences ($P < .001$) existed for both years. In both years, variation in the proportions of females accounted for about 88% of the χ^2 values (χ^2 (1978) = 65.1, χ^2 (1979) = 106.0).

Table 5. Firearms Deer Harvest Registered in 1978 and 1979 by Antlerless Permit Area.

Permit Area (1978 Area No.)	1978				1979			
	Total Kill	No. Permits	Permit Kill	Permit Success*	Total Kill	No. Permits	Permit Kill	Permit Success*
9	Permit Area 200				123	176	68	39%
10					125	285	71	25%
11					185	450	122	27%
12					685	990	365	39%
13					167	150	44	29%
14					240	300	91	30%
15					128	300	54	18%
16					86	200	22	11%
17					263	300	74	25%
18					323	500	161	32%
55					398	200	86	43%
Totals	3,038	10,153	1,147	11%	2,763	3,851	1,158	30%
54	Part of	of	area	202	548	350	117	33%
55	See	grouping	above		398	200	86	43%
56	Permit				637	300	90	30%
57	Area 303				part of #78			
58					766	150	63	42%
77					14	-	1	-
78					736	200	75	38%
Totals	2,513	750	99	13%	2,153	650	228	35%
59	-	-	-	-	268	150	43	29%
69	-	-	-	-	50	100	32	32%
83	643	1,600	149	9%	783	1,600	335	21%
84	410	1,361	172	13%	444	700	191	27%
85	711	450	88	20%	952	1,350	435	32%
86	510	1,373	178	13%	639	1,000	269	27%
89	522	1,400	153	11%	667	1,500	362	24%
90	514	1,539	219	14%	633	1,900	363	19%
91	231	400	67	17%	288	400	126	32%
92	708	2,367	362	15%	966	2,400	598	25%
93	158	150	26	17%	154	100	25	25%
94	229	600	75	12%	160	100	34	34%
95	153	650	43	7%	173	400	57	14%
Totals	4,789	11,890	1,532	13%	5,859	11,450	2,795	24%
87	204	-	-	-	209	200	55	28%
88	178	-	-	-	231	300	56	19%
96	226	453	68	15%	265	500	90	18%
97	196	691	103	15%	215	600	116	19%
98	665	900	183	20%	539	1,000	179	18%
99	443	1,200	153	13%	409	1,400	119	8%
Totals	1,912	3,244	507	16%	1,868	4,000	615	15%

Table 5. (cont.) Firearms Deer Harvest Registered in 1978 and 1979 by Antlerless Permit Area.

Permit Area (1978 Area No.)	1978				1979			
	Total Kill	No. Permits	Permit Kill	Permit Success*	Total Kill	No. Permits	Permit Kill	Permit Success*
100	94	150	27	18%	114	400	41	10%
101	137	300	32	11%	163	420	38	9%
102	166	196	80	41%	145	294	92	31%
103	116	250	36	14%	145	350	63	18%
104	140	350	29	8%	139	450	51	11%
Totals	653	1,246	204	16%	706	1,914	285	15%
105	94	200	12	6%	49	0	-	-
106	91	258	20	8%	23	0	-	-
107	103	272	32	12%	25	0	-	-
108	58	-	-	-	72	105	13	12%
110	43	-	-	-	32	-	-	-
120	32	129	17	13%	7	113	5	4%
121	150	425	74	17%	145	575	84	15%
122	93	160	27	17%	56	300	23	8%
123	76	130	17	13%	71	500	20	4%
Totals	740	1,574	199	13%	480	1,593	145	9%
124	152	220	72	33%	86	325	57	18%
125	102	140	46	33%	50	175	23	13%
126	210	220	104	47%	118	225	66	29%
127	164	170	71	42%	92	225	46	20%
128	161	250	91	36%	95	275	56	20%
129	75	150	31	21%	28	150	9	6%
130	135	170	62	36%	47	80	12	15%
131	267	450	126	28%	144	470	79	17%
155	5	included in #131			32	55	14	25%
132	123	170	46	27%	68	200	23	12%
133	98	150	42	28%	27	125	12	10%
134	120	250	34	14%	78	275	36	13%
135	136	190	49	26%	46	205	24	12%
141	170	260	66	25%	113	240	42	18%
Totals	1,918	2,760	840	30%	1,024	3,025	499	16%
136	165	300	58	19%	99	300	27	9%
137	151	300	49	16%	221	440	87	20%
138	59	50	9	18%	44	45	15	33%
139	81	100	28	28%	55	100	17	17%
140	43	100	15	15%	42	60	13	22%
142	105	150	32	21%	77	250	26	10%
143	60	50	12	24%	33	50	6	12%
Totals	664	1,050	203	19%	571	1,245	191	15%

Table 5. (cont.) Firearms Deer Harvest Registered in 1978 and 1979 by Antlerless Permit Area.

Permit Area (1978 Area No.)	1978				1979			
	Total Kill	No. Permits	Permit Kill	Permit Success*	Total Kill	No. Permits	Permit Kill	Permit Success*
144	602	1,460	365	25%	389	900	187	21%
145	478	1,048	270	25%	443	1,000	240	24%
146	260	713	113	16%	196	740	78	10%
147	907	1,800	588	33%	572	1,000	300	30%
148	410	761	235	31%	423	1,000	199	20%
149	722	1,350	381	28%	786	1,800	389	22%
150	384	700	202	29%	249	700	127	18%
151	495	750	268	36%	387	700	176	25%
152	1,047	2,021	584	29%	949	2,800	575	20%
Totals	5,305	10,603	3,006	28%	4,394	10,640	2,271	21%
154	14	-	-	-	29	74	13	18%
206	720	1,300	325	25%	617	1,300	315	24%
207	319	610	144	24%	236	700	115	16%
208	182	225	48	21%	164	300	44	15%
209	436	980	165	17%	386	1,200	166	14%
Totals	1,657	3,115	682	22%	1,403	3,500	640	18%
(305) 210	125	250	50	20%	89	100	19	19%
401	included	in area	304		274	350	126	36%
402					225	150	44	29%
403					260	340	84	25%
Totals	902	1,100	145	22%	759	840	254	30%
501	1,045	-	-	-	940	750	239	32%
502	2,513	-	-	-	2,127	750	278	37%
Totals	3,558	-	-	-	3,067	1,500	517	34%
601	893	-	-	-	912	500	161	32%
602	1,382	-	-	-	1,328	500	173	35%
603	N/A	-	-	-	N/A	1,500	N/A	
604	N/A	-	-	-	2,586	1,500	448	30%
54	part	of	area	202	548	350	117	13%
Sub total = '78 (202)	3,344	800	185	23%	3,134	1,850	565	30%
(203) 605	2,667	3,000	474	16%	2,213	4,000	637	16%
606	3,344	-	-	-	3,044	1,500	424	28%
59	included	-	-	-	268	150	43	29%
Sub total = '78 IT-SW	3,344	-	-	-	3,312	1,650	467	28%

Table 5. (cont.) Firearms Deer Harvest Registered in 1978 and 1979 by Antlerless Permit Area.

Permit Area (1978 Area No.)	1978				1979			
	Total Kill	No. Permits	Permit Kill	Permit Success*	Total Kill	No. Permits	Permit Kill	Permit Success*
(302) 607	2,984	1,700	400	24%	2,387	1,500	384	26%
(301) 608	3,174	1,500	204	14%	3,425	1,000	344	34%
Zone 1 (79 equiv.)								
Totals	18,979	7,000	1,301	19%	18,187	12,000	2,959	25%

* Permit holders taking antlerless deer.

Table 6. Comparison of Registered Firearms Deer Harvests 1976-1979
by Sub DMU and 1979 Zone Boundaries.
(Hunting regulations varied among zones and among years)

Total Registered Kill (Change from previous season)				
UNIT	1976	1977	1978	1979
Rainy River Central	637	955 (+50%)	893 (-6%)	912 (+2%)
Rainy River East	904	1,311 (+45%)	1,382 (+5%)	1,328 (-4%)
Superior West	1,215	1,624 (+34%)	1,256 (-23%)	1,645 (+31%)
Superior East	633	906 (+43%)	825 (-9%)	647 (-22%)
Itasca NE	1,501	2,371 (+60%)	2,667 (+12%)	2,213 (-17%)
Itasca NW (-#54)	1,633	2,960 (+81%)	2,738 (-8%)	2,586 (-6%)
Itasca SW (-#59)	1,421	2,774 (+95%)	3,060 (+10%)	3,044 (-1%)
Itasca SE	1,286	2,236 (+74%)	2,984 (+33%)	2,387 (-20%)
Mille Lacs East (+#71)	1,304	2,637 (+102%)	3,174 (+20%)	3,425 (+8%)
ZONE 1	10,534	17,774 (+69%)	18,979 (+7%)	18,187 (-4%)
Raily River West	661	1,368 (+107%)	1,045 (-24%)	940 (-10%)
Agassiz (-#55)	2,068	2,767 (+34%)	2,618 (-5%)	2,295 (-12%)
Bemidji (#54, 55, 56, 59)	1,310	1,968 (+50%)	2,012 (+2%)	1,851 (-8%)
Mille Lacs West (-#56)	1,311	2,213 (+69%)	1,953 (-13%)	1,516 (-22%)
Mille Lacs Central (-#71)	1,048	1,968 (+88%)	1,959 (-<1%)	2,127 (+9%)
ZONE 2	6,398	10,284 (+61%)	9,587 (-7%)	8,729 (-9%)
Big Woods East	840	1,160 (+38%)	1,912 (+65%)	1,868 (-2%)
Big Woods Metro	334	385 (+15%)	653 (+70%)	706 (+8%)
Big Woods SE	1,538	2,593 (+69%)	5,305 (+105%)	4,394 (-17%)
ZONE 3	2,712	4,138 (+53%)	7,870 (+90%)	6,968 (-11%)
Red River East	751	1,532 (+104%)	910 (-41%)	759 (-17%)
Big Woods North (+#91)	3,691	7,333 (+99%)	4,789 (-35%)	5,859 (+22%)
ZONE 4	4,442	8,865 (+100%)	5,699 (-36%)	6,618 (+16%)
Red River West	136	249 (+83%)	125 (-50%)	89 (-29%)
Prairie North (-#91)	924	1,648 (+78%)	740 (-55%)	480 (-35%)
Prairie River	1,247	1,162 (-7%)	1,671 (+44%)	1,403 (-16%)
Prairie SW	1,401	1,199 (-14%)	1,918 (+60%)	1,024 (-47%)
Prairie SE	720	463 (-36%)	664 (+43%)	571 (-14%)
ZONE 5	4,428	4,721 (+7%)	5,118 (+8%)	3,567 (-30%)
STATE	28,514	45,782 (+61%)	47,253 (+3%)	44,069 (-7%)
Unidentified	99	136	119	271
State Total	28,613	45,918 (+60%)	47,372 (+3%)	44,340 (-6%)

Table 7. Comparison of Registered Firearms Deer Kill per Square Mile 1976-79
by Sub DMU and 1979 Zone Boundaries.
(Hunting regulations varied among zones and among years)

UNIT	Sq. Mi. Area	Registered Kill/Square Mile			
		1976	1977	1978	1979
Rainy River Central	2,196	0.29	0.43	0.41	0.42
Rainy River East	1,922	0.47	0.68	0.72	0.69
Superior West	2,590	0.47	0.63	0.48	0.64
Superior East	3,954	0.16	0.23	0.21	0.16
Itasca NE	2,771	0.54	0.86	0.96	0.80
Itasca NW (-#54)	2,145	0.76	1.38	1.28	1.21
Itasca SW (-#59)	2,782	0.51	1.00	1.10	1.09
Itasca SE	2,993	0.43	0.75	1.00	0.80
Mille Lacs East (+#71)	2,677	0.49	0.98	1.19	1.28
Zone 1	24,030	0.46	0.77	0.82	0.79
Rainy River West	2,383	0.28	0.57	0.44	0.39
Agassiz (-#55)	4,393	0.47	0.63	0.60	0.52
Bemidji (#54, 55, 56, 59)	1,959	0.67	1.00	1.03	0.94
Mille Lacs West (-#56)	2,026	0.65	1.09	0.96	0.75
Mille Lacs Central (-#71)	2,168	0.48	0.91	0.90	0.98
Zone 2	12,929	0.51	0.84	0.79	0.72
Big Woods East	2,992	0.28	0.39	0.64	0.62
Big Woods Metro	1,770	0.19	0.22	0.37	0.40
Big Woods SE	3,881	0.40	0.67	1.37	1.13
Zone 3	8,643	0.29	0.43	0.79	0.72
Red River East	3,438	0.22	0.45	0.26	0.22
Big Woods North (+#91)	8,575	0.43	0.86	0.56	0.68
Zone 4	12,013	0.32	0.66	0.41	0.45
Red River West	2,039	0.07	0.12	0.06	0.04
Prairie North (-#91)	5,446	0.17	0.30	0.14	0.09
Prairie River	4,495	0.28	0.26	0.37	0.31
Prairie SW	8,630	0.16	0.14	0.22	0.12
Prairie SE	3,934	0.18	0.12	0.17	0.14
Zone 5	24,544	0.17	0.19	0.19	0.14
STATE	82,159*	0.35	0.58	0.60	0.56

* Larger lakes excluded.

DEER REGISTRATION BLOCK MAP

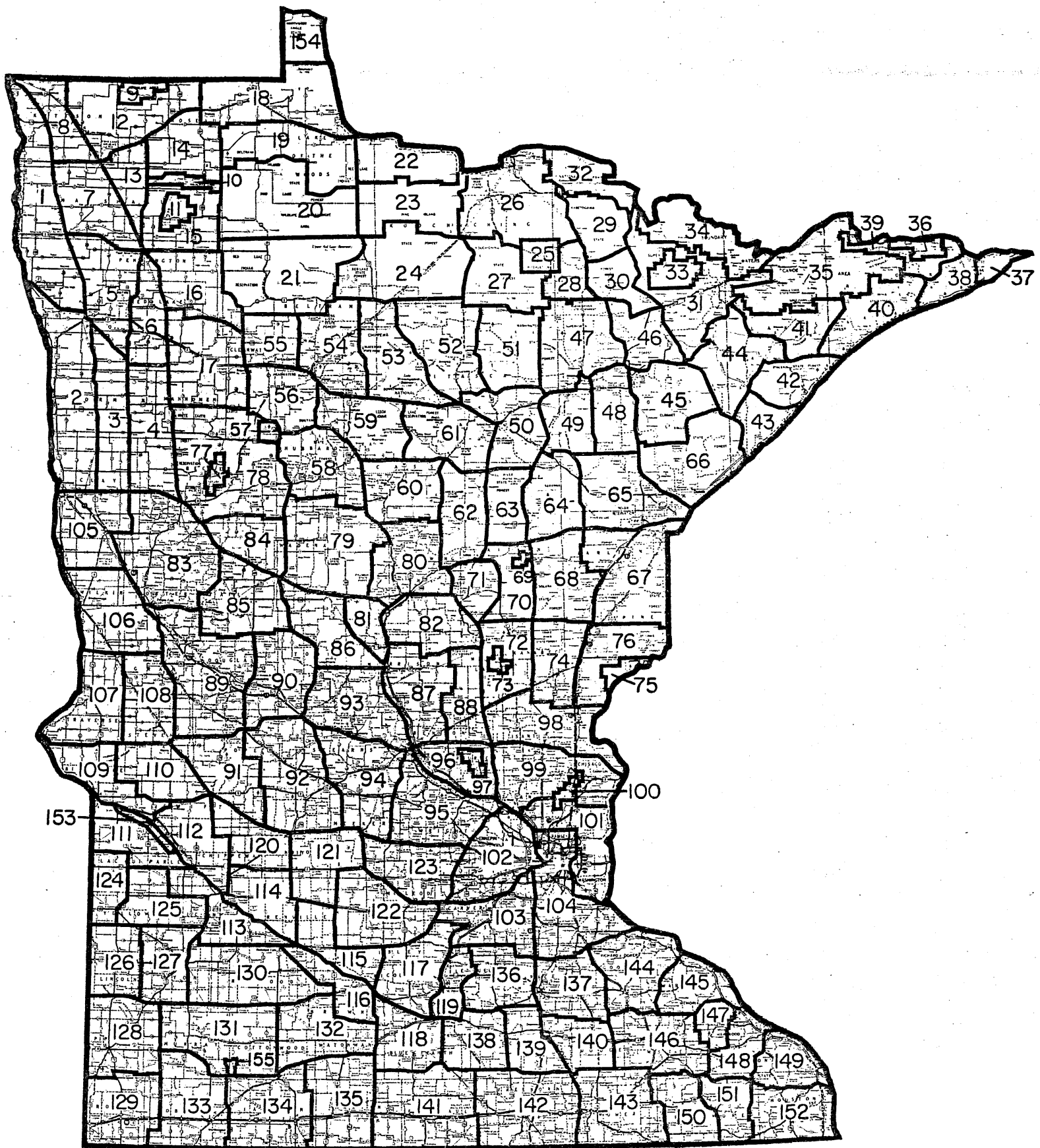


Figure 2.

Table 8. 1976, 1977, 1978 and 1979 Firearms Deer Harvest
by Registration Block.

Block No.	Sq. Mi. Area*	Number Taken				No. Taken/Sq. Mi.**			
		1976	1977	1978	1979	1976	1977	1978	1979
1	1,025	79	117	72	37	0.08	0.11	0.07	0.04
2	1,014	57	132	53	52	0.06	0.13	0.05	0.05
3	697	182	421	232	143	0.26	0.60	0.33	0.20
4	673	149	206	178	117	0.22	0.31	0.26	0.17
5	600	111	253	170	117	0.18	0.42	0.28	0.20
6	492	86	182	116	108	0.17	0.37	0.24	0.22
7	581	123	276	128	177	0.21	0.48	0.22	0.30
8	395	100	194	86	97	0.25	0.49	0.22	0.25
9	114	63	69	62	123	0.55	0.60	0.54	1.08
10	105	166	183	122	125	1.58	1.74	1.16	1.19
11	124	86	223	114	185	0.69	1.80	0.92	1.49
12	759	437	590	743	655	0.58	0.78	0.98	0.86
13	270	177	249	275	167	0.66	0.92	1.02	0.62
14	355	160	312	323	240	0.45	0.88	0.91	0.74
15	496	117	257	135	128	0.24	0.52	0.27	0.26
16	578	95	160	164	86	0.16	0.28	0.28	0.15
17	890	245	375	396	263	0.28	0.42	0.44	0.30
18	706	522	349	284	323	0.74	0.49	0.40	0.46
19	910	538	829	671	626	0.59	0.91	0.74	0.69
20	792	112	507	349	284	0.14	0.64	0.44	0.36
21	681	11	8	11	1	0.02	0.01	0.02	<0.01
22	513	59	118	135	112	0.12	0.23	0.26	0.22
23	630	108	139	131	171	0.17	0.22	0.21	0.27
24	1,053	470	698	627	629	0.45	0.66	0.60	0.60
25	137	3	3	1	6	0.02	0.02	0.01	0.04
26	900	432	633	761	670	0.48	0.70	0.84	0.74
27	580	305	484	445	435	0.52	0.83	0.77	0.75
28	305	164	191	175	217	0.54	0.63	0.57	0.71
29	404	465	487	338	667	1.15	1.20	0.84	1.65
30	332	189	277	259	335	0.57	0.83	0.78	1.01
31	820	462	694	571	553	0.56	0.85	0.70	0.67
32	360	11	10	6	10	0.03	0.03	0.02	0.03
33	178	33	102	39	43	0.18	0.57	0.22	0.24
34	496	55	54	43	37	0.11	0.11	0.09	0.07
35	1,005	17	23	29	25	0.02	0.02	0.03	0.02
36	101	1	16	2	0	0.01	0.16	0.02	0
37	70	5	3	2	2	0.07	0.04	0.03	0.03
38	203	53	57	47	33	0.26	0.28	0.23	0.16
39	225	26	19	6	9	0.12	0.08	0.03	0.04
40	593	85	141	153	143	0.14	0.24	0.26	0.24

Table 8. (cont.) 1976, 1977, 1978 and 1979 Firearms Deer Harvest
by Registration Block.

Block No.	Sq. Mi. Area*	Number Taken				No. Taken/Sq. Mi.**			
		1976	1977	1978	1979	1976	1977	1978	1979
41	448	47	53	39	44	0.10	0.12	0.09	0.10
42	596	83	138	108	135	0.21	0.35	0.18	0.23
43	246	135	190	234	113	0.55	0.77	0.95	0.50
44	667	181	266	205	143	0.27	0.40	0.31	0.21
45	690	411	699	823	695	0.60	1.01	1.19	1.01
46	392	181	284	305	298	0.46	0.72	0.78	0.76
47	794	613	915	960	811	0.77	1.15	1.21	1.02
48	468	152	245	277	186	0.32	0.52	0.59	0.40
49	427	144	228	302	223	0.34	0.53	0.71	0.52
50	637	266	555	591	463	0.42	0.87	0.93	0.73
51	614	601	1,154	1,044	1,024	0.98	1.88	1.70	1.67
52	844	623	1,097	963	978	0.74	1.30	1.14	1.16
53	647	409	709	731	584	0.63	1.10	1.13	0.90
54	628	380	692	606	548	0.60	1.10	0.96	0.87
55	383	316	389	534	398	0.82	1.02	1.39	1.04
56	470	455	600	560	637	0.97	1.28	1.19	1.36
57	55	61	121	93	48	1.11	2.20	1.69	0.87
58	600	535	929	902	766	0.89	1.55	1.50	1.28
59	478	159	287	312	268	0.33	0.60	0.65	0.56
60	547	400	749	863	958	0.73	1.37	1.58	1.75
61	605	271	568	603	595	0.45	0.94	1.00	0.98
62	606	243	493	608	649	0.40	0.81	1.00	1.07
63	387	241	409	395	379	0.62	1.06	1.02	0.98
64	596	221	406	613	448	0.37	0.68	1.03	0.75
65	645	390	687	732	582	0.60	1.06	1.13	0.90
66	739	395	450	627	447	0.53	0.61	0.85	0.60
67	1,013	280	693	1,012	910	0.28	0.68	1.00	0.90
68	664	211	553	724	647	0.32	0.83	1.09	0.97
69	27	16	41	38	50	0.59	1.52	1.41	1.85
70	351	195	302	379	427	0.56	0.86	1.08	1.22
71	142	111	177	202	201	0.78	1.25	1.42	1.42
72	376	158	321	365	373	0.42	0.85	0.97	0.99
73	59	81	134	123	158	1.37	2.27	2.08	2.68
74	506	232	355	395	493	0.46	0.70	0.78	0.97
75	97	2	4	3	4	0.02	0.04	0.03	0.04
76	552	298	750	945	1,072	0.54	1.36	1.71	1.94
77	87	96	147	109	14	1.10	1.69	1.25	0.16
78	1,284	619	1,016	849	688	0.48	0.79	0.66	0.54
79	877	509	1,015	943	1,130	0.58	1.16	1.07	1.29
80	693	290	494	505	488	0.42	0.71	0.73	0.70

Table 8. (cont.) 1976, 1977, 1978 and 1979 Firearms Deer Harvest
by Registration Block.

Block No.	Sq. Mi. Area*	Number Taken				No. Taken/Sq. Mi.**			
		1976	1977	1978	1979	1976	1977	1978	1979
81	70	56	118	153	154	0.80	1.68	2.18	2.20
82	528	193	341	358	355	0.36	0.64	0.68	0.67
83	1,085	1,005	1,393	643	783	0.93	1.28	0.59	0.72
84	434	323	856	410	444	0.74	1.97	0.94	1.02
85	707	312	1,665	711	952	0.44	2.36	1.00	1.35
86	572	339	356	510	639	0.59	0.62	0.89	1.12
87	658	111	160	204	209	0.17	0.24	0.31	0.32
88	422	142	214	178	231	0.34	0.51	0.42	0.55
89	1,154	404	1,291	522	667	0.35	1.12	0.45	0.58
90	696	277	269	514	633	0.40	0.39	0.74	0.91
91	591	290	786	231	288	0.49	1.33	0.39	0.49
92	1,031	353	337	708	966	0.34	0.33	0.69	0.94
93	730	139	139	158	154	0.19	0.19	0.22	0.21
94	829	156	157	229	160	0.19	0.19	0.28	0.19
95	746	93	84	153	173	0.12	0.11	0.20	0.23
96	363	90	106	226	265	0.25	0.29	0.62	0.73
97	92	72	96	196	215	0.78	1.04	2.13	2.34
98	650	247	337	665	539	0.38	0.52	1.02	0.83
99	807	178	247	443	409	0.22	0.31	0.55	0.51
100	36	50	88	94	114	1.39	2.44	2.61	3.17
101	566	126	106	137	163	0.22	0.19	0.24	0.29
102	710	30	31	166	145	0.04	0.04	0.23	0.20
103	592	59	71	116	145	0.10	0.12	0.20	0.24
104	709	69	89	140	139	0.10	0.12	0.20	0.20
105	682	122	273	94	49	0.18	0.40	0.14	0.07
106	712	112	183	91	23	0.16	0.26	0.13	0.03
107	644	117	218	103	25	0.18	0.34	0.16	0.04
108	548	116	326	58	72	0.21	0.59	0.10	0.13
109	473	174	158	210	156	0.37	0.33	0.44	0.33
110	498	119	382	43	32	0.24	0.77	0.09	0.06
111	418	186	186	226	235	0.44	0.44	0.54	0.56
112	552	238	174	245	183	0.43	0.32	0.44	0.33
113	484	124	111	175	125	0.26	0.23	0.36	0.26
114	456	114	74	149	111	0.25	0.16	0.33	0.24
115	449	66	51	68	72	0.15	0.11	0.15	0.16
116	352	78	71	115	92	0.22	0.20	0.33	0.26
117	601	140	140	201	186	0.23	0.23	0.33	0.31
118	500	89	96	174	162	0.18	0.19	0.35	0.32
119	210	38	41	63	38	0.18	0.20	0.30	0.18
120	451	57	45	32	7	0.13	0.10	0.07	0.02

Table 8. (cont.) 1976, 1977, 1978 and 1979 Firearms Deer Harvest
by Registration Block.

Block No.	Sq. Mi. Area*	Number Taken				No. Taken/Sq. Mi.**			
		1976	1977	1978	1979	1976	1977	1978	1979
121	555	161	114	150	145	0.29	0.20	0.27	0.26
122	742	63	55	93	56	0.08	0.07	0.12	0.08
123	614	57	52	76	71	0.09	0.08	0.12	0.12
124	302	115	134	152	86	0.38	0.44	0.50	0.28
125	487	78	102	102	50	0.16	0.21	0.21	0.10
126	459	127	106	210	118	0.28	0.23	0.46	0.26
127	451	96	117	164	92	0.21	0.26	0.36	0.20
128	677	122	71	161	95	0.18	0.10	0.24	0.14
129	620	74	33	75	28	0.12	0.05	0.12	0.04
130	874	94	80	135	47	0.11	0.09	0.15	0.05
131	893	256	171	267	144	0.29	0.19	0.30	0.16
132	628	94	94	123	68	0.15	0.15	0.20	0.11
133	734	58	39	98	27	0.08	0.05	0.13	0.04
134	761	94	72	120	78	0.12	0.09	0.16	0.10
135	748	85	66	136	46	0.11	0.09	0.18	0.06
136	507	133	91	165	99	0.26	0.18	0.32	0.19
137	530	97	101	151	221	0.18	0.19	0.28	0.42
138	460	120	74	59	44	0.26	0.16	0.13	0.10
139	371	150	59	81	55	0.40	0.16	0.22	0.15
140	388	67	38	43	42	0.17	0.10	0.11	0.11
141	972	107	102	170	113	0.11	0.10	0.17	0.12
142	940	108	70	105	77	0.11	0.07	0.11	0.08
143	738	45	30	60	33	0.06	0.04	0.08	0.04
144	643	210	290	602	389	0.33	0.45	0.94	0.60
145	379	142	262	478	443	0.37	0.69	1.26	1.17
146	659	101	144	260	196	0.15	0.22	0.39	0.30
147	193	217	403	907	572	1.12	2.09	4.70	2.96
148	355	138	192	410	423	0.39	0.54	1.15	1.19
149	357	198	392	722	786	0.55	1.10	2.02	2.20
150	476	122	190	384	249	0.26	0.40	0.81	1.66
151	313	140	243	495	387	0.45	0.78	1.58	1.24
152	506	270	477	1,047	949	0.53	0.94	2.07	1.88
153	107	-	60	48	43	-	0.56	0.45	0.40
154	113	-	24	14	29	-	0.21	0.12	0.26
155	6	-	12	5	32	-	2.00	0.83	5.33
UNKNOWN	-	100	136	-	271	-	-	-	-
TOTALS	83,286	28,613	45,918	47,372	44,340				

* Revised 2-6-78 by Research Staff.

** 1976 harvest/sq. mi. revised by 2-8-78 kill block area revision.

Table 9. Distribution of 1978 and 1979 Minnesota Firearms Deer Harvests by Date. Opening Dates for Some Zones Differed by Year.

Date		Harvest		Percent of Total		Accumulative Percentage	
1978	1979	1978	1979	1978	1979	1978	1979
Sat. 4	3	9,531	7,044	20.12%	15.89%	20.12%	15.89%
Sun. 5	4	6,738	5,643	14.22%	12.73%	34.34%	28.62%
6	5	3,155	2,393	6.66%	5.40%	41.00%	34.02%
7	6	1,284	1,083	2.71%	2.44%	43.71%	36.46%
8	7	936	893	1.98%	2.01%	45.69%	38.47%
9	8	798	844	1.68%	1.90%	47.37%	40.37%
10	9	1,094	1,199	2.30%	2.70%	49.67%	43.07%
Sat. 11	10	8,141	7,661	17.18%	17.28%	66.85%	60.35%
Sun. 12	11	2,145	5,629	4.53%	12.70%	71.38%	73.05%
13	12	478	571	1.01%	1.29%	72.39%	74.34%
14	13	496	262	1.05%	0.59%	73.44%	74.93%
15	14	545	347	1.15%	0.78%	74.59%	75.71%
16	15	536	343	1.13%	0.77%	75.72%	76.48%
17	16	691	1,474	1.46%	3.32%	77.18%	79.80%
Sat. 18	17	2,145	2,377	4.53%	5.36%	81.71%	85.16%
Sun. 19	18	1,747	2,153	3.69%	4.86%	85.40%	90.02%
Fri. 24	23	2,444	1,189	5.16%	2.68%	90.56%	92.70%
Sat. 25	24	2,382	1,462	5.03%	3.30%	95.59%	96.00%
Sun. 26	25	1,890	1,612	3.99%	3.64%	99.58%	99.64%
Other		62	161	0.13%	0.36%	99.71%	100.00%
Totals		47,372	44,340	99.71%	100.00%		

Table 10. Distribution of 1979 Firearms Harvest in Zone 1 by Date.

Date	Harvest	Percent of Zone 1 Total	Accumulative Percentage	Percent of State Total
Sat. 3	3,111	17.11%	17.11%	44.00%
Sun. 4	2,514	13.82%	30.93%	44.55%
5	1,004	5.52%	36.45%	41.96%
6	584	3.21%	39.66%	53.92%
7	472	2.60%	42.26%	52.86%
8	432	2.38%	44.64%	51.18%
9	529	2.91%	47.55%	44.12%
Sat. 10	1,171	6.44%	53.99%	15.28%
Sun. 11	1,087	5.98%	59.97%	19.31%
12	248	2.10%	62.07%	66.72%
13	252	1.39%	63.46%	96.18%
14	343	1.89%	65.35%	98.85%
15	337	1.85%	67.20%	98.25%
16	1,464	8.05%	75.25%	99.32%
Sat. 17	2,351	12.93%	88.18%	98.91%
Sun. 18	2,109	11.60%	99.78%	97.96%
Subtotal	18,141			
Incorrectly dated	44			
Totals	18,185	100.00%		41.01%

Table 11. Distribution of 1979 Firearms Harvest in Zone 2 by Date.

Date	Harvest	Percent of Zone 2 Total	Accumulative Percentage	Percent of State Total
Sat. 3	1,531	17.54%	17.54%	21.65%
4	1,365	15.63%	33.17%	24.19%
5	542	6.21%	39.38%	22.65%
6	341	3.90%	43.28%	31.49%
7	303	3.47%	46.75%	33.93%
8	319	3.65%	50.4%	37.80%
9	506	5.80%	56.2%	42.20%
Sat. 10	1,992	22.82%	79.02%	26.00%
Sun. 11	1,770	20.27%	99.29%	31.44%
Subtotal	8,669			
Incorrectly dated	62			
Totals	8,731	100.00%		19.69%

Table 12. Distribution of 1979 Firearms Harvest in Zone 3 by Date.

Date	Harvest	Percent of Zone 3 Total	Accumulative Percentage	Percent of State Total
Sat. 3	751	10.78%	10.78%	10.62%
Sun. 4	571	8.20%	18.48%	10.12%
5	120	1.72%	20.70%	5.01%
6	115	1.65%	22.35%	10.62%
7	111	1.59%	23.94%	12.43%
8	78	1.12%	25.06%	9.24%
9	148	2.12%	27.18%	12.34%
Sat. 10	312	4.48%	31.66%	4.07%
Sun. 11	339	4.87%	36.53%	6.02%
Mon. 12	123	1.76%	38.26%	21.54%
Fri. 23	1,187	17.04%	55.30%	99.83%
Sat. 24	1,449	20.80%	76.10%	99.11%
Sun. 25	1,648	23.65%	99.78%	99.64%
Subtotal	6,952			
Incorrectly dated	15			
Totals	6,967	99.78%		15.71%

Table 13. Distribution of 1979 Firearms Harvest in Zone 4 by Date.

Date	Harvest	Percent of Zone 4 Total	Accumulative Percentage	Percent of State Total
Sat. 3	1,033	15.61%	15.61%	14.61%
Sun. 4	729	11.02%	26.63%	12.92%
Mon. 5	432	6.53%	33.16%	18.05%
Sat. 10	1,956	29.56%	62.72%	25.53%
Sun. 11	2,358	35.64%	98.36%	41.89%
Subtotal	6,508			
Incorrectly dated	109	1.65%	100.00%	
Totals	6,617	100.00%		14.92%

Table 14. Distribution of 1979 Firearms Harvest in Zone 5 by Date.

Date	Harvest	Percent of Zone 5 Total	Accumulative Percentage	Percent of State Total
Sat. 3	490	16.35%	16.35%	6.93%
Sun. 4	347	11.58%	27.93%	6.15%
5	230	7.67%	35.60%	9.61%
Sat. 10	1,899	63.36%	98.96%	24.79%
Subtotal	2,966			
Incorrectly dated	31			
Totals	2,997	98.96%		6.76%

Table 15. 1979 Firearms Deer Harvest Proportions (percentages)
by Zone for Each Season Date.

Date	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	All Zones
Sat. 3	44.00%	21.65%	10.62%	14.61%	6.93%	15.94%
Sun. 4	44.55%	24.19%	10.12%	12.92%	6.15%	12.73%
5	41.96%	22.65%	5.01%	18.05%	9.61%	5.40%
6	53.92%	31.49%	10.62%	-	-	2.44%
7	52.86%	33.93%	12.43%	-	-	2.01%
8	51.18%	37.80%	9.24%	-	-	1.90%
9	44.12%	42.20%	12.34%	-	-	2.70%
Sat. 10	15.28%	26.00%	4.07%	25.53%	24.79%	17.28%
Sun. 11	19.31%	31.44%	6.02%	41.89%	-	12.70%
12	66.72%	-	21.54%	-	-	1.29%
13	96.18%	-	-	-	-	0.59%
14	98.55%	-	-	-	-	0.78%
15	98.25%	-	-	-	-	0.77%
16	99.32%	-	-	-	-	3.32%
Sat. 17	98.91%	-	-	-	-	5.36%
Sun. 18	97.96%	-	-	-	-	4.86%
Fri. 23	-	-	99.83%	-	-	2.68%
Sat. 24	-	-	99.11%	-	-	3.30%
Sun. 25	-	-	99.64%	-	-	3.64%
All dates	41.01%	19.69%	15.71%	14.92%	6.76%	99.69%

Table 16. Firearms Deer Harvest by County 1972-1979 inclusive.

County	1972	1973	1974	1975	1976	1977	1978	1979
Aitkin	2,930	1,314	1,304	1,213	953	1,694	2,141	2,043
Anoka	366	279	259	281	119	177	243	271
Becker	2,380	2,221	2,086	1,976	718	1,326	903	743
Beltrami	3,346	3,305	3,542	3,271	1,151	1,841	1,759	1,524
Benton	47	102	145	38	31	68	64	60
Big Stone	178	228	273	246	157	183	211	155
Blue Earth	322	348	385	208	134	129	207	183
Brown	231	226	155	180	109	103	189	125
Carlton	1,121	612	611	482	356	687	941	758
Carver	105	53	109	75	34	38	150	150
Cass	3,720	2,781	3,537	3,358	1,130	2,170	2,317	2,440
Chippewa	215	319	403	292	171	146	225	151
Chisago	567	334	702	359	216	282	470	442
Clay	401	521	269	536	227	474	263	174
Clearwater	1,589	1,250	1,452	1,247	414	699	756	567
Cook	577	455	203	225	168	221	204	184
Cottonwood	138	228	43	164	132	92	144	97
Crow Wing	1,887	1,241	1,523	1,446	488	871	976	1,060
Dakota	226	203	240	150	72	92	92	97
Dodge	79	93	108	142	61	43	83	53
Douglas	490	602	504	971	313	734	472	558
Faribault	138	186	246	143	86	96	142	88
Fillmore	1,132	967	1,218	1,169	286	471	960	704
Freeborn	98	145	125	123	94	65	103	70
Goodhue	689	611	628	557	219	271	583	424
Grant	134	231	227	370	164	396	114	121
Hennepin	36	46	36	82	62	22	49	27
Houston	1,127	1,165	1,320	1,149	321	606	1,232	1,206
Hubbard	2,274	2,116	2,279	2,271	828	1,281	1,239	1,180
Isanti	385	248	477	250	133	194	344	255
Itasca	5,794	5,047	5,751	5,505	2,160	3,972	3,644	3,417
Jackson	97	140	5	149	92	65	106	80
Kanabec	825	385	994	298	271	395	468	592
Kandiyohi	424	531	665	882	312	262	455	527
Kittson	1,487	1,493	1,339	1,162	454	671	709	659
Koochiching	2,934	2,426	2,255	2,064	933	1,387	1,386	1,429
Lac Qui Parle	407	457	768	388	283	332	340	295
Lake	1,011	839	482	485	363	560	558	420
Lake of the Woods	1,723	1,540	1,431	1,345	503	760	520	559
LeSueur	114	199	122	113	125	100	149	88
Lincoln	196	343	14	294	162	119	240	144
Lyon	224	438	16	333	154	154	228	122
McLeod	72	117	100	116	68	55	95	62
Mahnomen	490	372	357	387	162	208	183	87
Marshall	2,507	2,356	2,054	1,581	534	1,174	763	762
Martin	75	94	23	73	61	56	96	37
Meeker	258	299	342	413	176	191	213	173

Table 16. (cont.) Firearms Deer Harvest by County 1972-1979 inclusive.

County	1972	1973	1974	1975	1976	1977	1978	1979
Mille Lacs	593	346	800	249	201	420	432	435
Morrison	657	734	872	589	388	493	560	655
Mower	22	63	38	45	51	38	50	40
Murray	146	274	2	255	173	136	196	105
Nicollet	168	176	198	206	86	105	160	149
Nobles	59	142	-	148	64	30	106	29
Norman	514	323	190	531	179	341	213	150
Olmsted	432	425	444	388	91	147	250	185
Otter Tail	2,529	3,186	2,459	2,727	1,355	3,597	1,654	2,027
Pennington	587	575	398	197	52	125	121	66
Pine	1,849	1,087	1,549	876	635	1,349	1,756	1,899
Pipestone	43	90	8	97	80	39	89	50
Polk	1,239	1,116	840	794	319	670	439	368
Pope	510	590	728	1,183	333	765	429	596
Ramsey	-	20	1	21	54	8	4	6
Red Lake	398	406	270	144	66	105	99	63
Red Wood	210	282	148	203	154	117	181	137
Renville	237	274	358	302	173	150	215	169
Rice	146	202	194	87	126	95	176	223
Rock	17	51	1	75	55	31	59	23
Roseau	2,907	2,318	2,213	2,125	833	1,099	1,071	859
St. Louis	7,715	6,597	4,250	4,452	3,461	5,189	5,374	5,010
Scott	166	171	129	76	46	39	86	99
Sherburne	149	350	423	382	173	216	464	504
Sibley	112	152	141	160	84	78	111	88
Stearns	491	524	429	718	205	217	385	438
Steele	86	115	136	91	130	61	76	81
Stevens	139	172	199	263	98	310	43	73
Swift	325	513	674	650	299	555	228	177
Todd	726	863	686	1,020	522	596	765	983
Traverse	120	159	139	156	110	218	99	25
Wabasha	874	776	879	693	214	380	794	678
Wadena	1,266	1,217	1,045	872	301	637	477	478
Waseca	79	84	172	128	118	67	67	41
Washington	148	112	187	172	96	76	109	132
Watsonwan	78	136	77	91	80	66	90	40
Wilkin	137	157	163	153	96	195	89	37
Winona	1,504	1,254	1,748	1,426	444	761	1,559	1,273
Wright	111	247	189	206	83	67	132	147
Yellow								
Medicine	265	327	148	289	154	190	252	162
Unknown		894	325	667	270		183	277
Kill	73,448	67,106	64,997	62,469	28,613	45,918	47,372	44,340
Hunters	258,000	295,691	316,301	327,596	263,874	288,616	309,415	
Season	-----30 Day Framework-----Buck with Quota Areas-----							
% Success	29	23	21	19	11	16	15	

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COMPILATION OF ARCHERY HARVEST DATA
HAS BEEN DELAYED. IT WILL BE
DISTRIBUTED AT A LATER DATE.

9% juv
7% permit opp - juv

5% licence buyers } ♀
17% permit opp. }

65% permits in 1980?