

Minnesota Black Bear Harvest

1988



Bear hunting, circa 1910.

Department of Natural Resources

Section of Wildlife

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Table 1. Bear Permit Application Error Summary, 1988

Total applications - 25,879
Total applications in error - 444 (1.7%)

<u>Type of error</u>	<u>No. of errors</u>
DL# did not match name/dob	481
DL# not given	326
No signature on application	72
Invalid or missing date of birth (dob)	38
Invalid hunting area	29
<u>Applicant under minimum age</u>	<u>3</u>
Total number of errors -	949

Table 2. Bear Permit Distribution and Drawing Statistics, 1988

Permit Area Number	No. of Permits ₁ Avail.	Total Number Applic.	No. of Valid Applic.	Number of applications (permits issued) by preference level.					Number Permits ₃ Issued
				≥ 5	4	3	2	1	
12	320	866	854	0(0)	1(1)	38(38)	320(282) ²	485(0)	244
13	300	1,023	1,002	0(0)	2(2)	40(40)	393(259) ²	567(0)	238
21	1,500	6,296	6,190	2(2)	23(23)	454(454)	2,446(1,002) ²	3,265(0)	1,205
22	350	468	464	0(0)	2(2)	16(16)	102(102)	344(232) ²	256
31	950	3,267	3,227	0(0)	6(6)	107(107)	1,163(837) ²	1,951(0)	747
40	850	7,274	7,126	4(4)	57(57)	1,416(789) ²	2,596(0) ²	3,051(0)	732
51	1,040	6,659	6,572	11(11)	54(54)	1,173(977) ²	2,466(0)	2,868(0)	875
n.a.	0	26	0	0	0	0	0	0	0
All areas	5,310 ¹	25,879	25,435	17(17)	145(145)	3,244(2,421)	9,496(2,482)	12,531(232)	4,297 ³

¹ The number of permits available is set higher than the desired quota of permits based on experience that not all successful applicants actually purchase a bear license.

² This is the level at which the number of applicants exceeded the number of permits remaining for the area and a drawing was necessary.

³ This is the number of licenses purchased by the 5297 applicants who were successful in the drawings (see #1 above).

Table 3. Bear license sales, 1971-1988

Year	Resident	Non-resident	Total
1971	1,333	33	1,386
1972	1,984	85	2,069
1973	2,982	134	3,116
1974	5,507	220	5,727
1975	5,903	254	6,157
1976	3,678	283	3,961
1977	5,213	506	5,719
1978	6,274	838	7,112
1979	6,708	875	7,583
1980	7,732	945	8,677
1981	10,284	1,145	11,429
1982	1,854	67	1,921
1983	3,378	104	3,482
1984	3,401	100	3,501
1985	3,847	101	3,948
1986	4,087	101	4,188
1987	(Q - 4120 No Q - 1747) 5867	(Q - 93 No Q - 21) 114	(Q - 4213 No Q 1768) 5981
1988*	(Q - 4164 No Q - 1231) 5395	(Q - 133 No Q - 19) 152	(Q - 4297 No Q 1250) 5547

*Preliminary count (Q) Quota (No Q) No Quota

Table 4. 1988 REGISTERED BEAR HARVEST BY COUNTY

County	Male	Female	Unknown	Total
Aitkin	91	66	0	157
Becker	5	3	0	8
Beltrami	37	21	0	58
Benton	1	1	0	2
Carlton	13	15	0	28
Cass	62	34	0	96
Chisago	0	2	0	2
Clearwater	9	5	0	14
Cook	26	19	0	45
Crow Wing	21	13	0	34
Hubbard	20	10	0	30
Itasca	118	61	0	179
Kanabec	29	23	0	52
Kittson	5	2	0	7
Koochiching	46	41	0	87
Lake	38	21	1	60
Lake of the Woods	30	18	0	48
Mahnomen	1	1	0	2
Marshall	22	2	0	24
Mille Lacs	10	11	0	21
Morrison	4	2	0	6
Pennington	2	2	0	4
Pine	89	119	0	208
Polk	1	0	0	1
Roseau	18	9	1	28
St. Louis	172	127	6	305
Wadena	1	0	0	1
Unknown	1	0	1	2
TOTAL	872	628	9	1509

Table 5. Registered bear harvest by county, 1979-1988.

County	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Aitkin	55	92	128	39	102	96	118	153	149	157
Anoka	0	0	0	0	0	0	0	0	1	0
Becker	13	7	9	1	14	9	10	3	9	8
Beltrami	42	28	79	24	78	60	58	53	55	58
Benton	0	0	0	0	0	0	0	0	1	2
Carlton	7	17	18	3	9	19	34	39	21	28
Cass	57	69	110	29	93	73	114	89	134	96
Chisago	0	0	1	0	0	0	0	1	2	2
Clearwater	12	3	18	4	8	7	17	12	22	14
Cook	72	148	79	7	46	30	62	65	98	45
Crow Wing	12	9	33	8	26	21	36	22	37	34
Hubbard	16	15	19	11	25	45	41	36	37	30
Isanti	0	1	3	0	0	0	1	2	1	0
Itasca	108	212	172	50	121	128	170	183	242	179
Kanabec	10	12	18	8	19	19	18	36	34	52
Kittson	1	0	0	0	1	8	0	2	2	7
Koochiching	89	137	149	66	105	89	95	113	126	87
Lake	40	74	80	17	42	28	60	79	83	60
Lake of the Woods	12	30	43	25	32	41	29	32	27	48
Mahnomen	0	0	1	2	2	5	1	4	2	2
Marshall	1	2	3	1	9	17	12	5	14	24
Mille Lacs	5	5	12	3	11	11	28	14	16	21
Morrison	3	1	1	1	10	5	4	8	11	6

(continued)

Table 5. Continued

County	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988
Pennington	0	0	1	0	3	2	1	1	12	4
Pine	31	62	73	20	55	52	98	113	115	208
Polk	0	1	0	0	0	0	1	0	0	1
Red Lake	0	3	2	0	0	0	0	0	1	0
Rice	0	0	0	0	0	0	0	0	1	0
Roseau	4	18	18	7	23	32	19	28	29	28
St. Louis	148	289	284	64	197	122	302	317	290	305
Wadena	0	0	1	0	0	0	0	0	0	1
Wilkin	0	1	0	0	0	0	0	0	0	0
Unknown	4	13	4	22	7	0	11	6	5	2
TOTAL	743	1,247	1,359	392	1,038	919	1,340	1,416	1,577	1,509

Table 6. Registered bear harvest and success, 1988*

<u>Permit Area</u>	<u>Permits</u>			
	<u>Available</u>	<u>Issued</u>	<u>Harvest*</u>	<u>Success*</u>
12	320	244	74	30.3%
13	300	202	84	41.6%
21	1500	1205	381	31.6%
22	350	256	13	5.0%
31	950	747	173	23.2%
40	850	732	224	30.6%
51	1040	875	243	27.8%
<hr/>				
Totals	5310	4261	1192	28.0%
<u>No Quota</u>		1291**	317	24.6%**
Totals		5552**	1509	27.2%**

* Includes bear taken by nuisance permit
 ** Preliminary totals. (2-10-89)

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1988.

NW No-quota Zone				
Block	Male	Female	Unknown	Total
201	5	2	0	7
202	5	1	0	6
204	8	3	0	11
206	3	0	0	3
207	2	0	0	2
208	12	1	0	13
209	2	1	0	3
UNK	0	0	1	1
Totals	37	8	1	46

Bear Permit Area BPA #12				
Block Killed In	Male	Female	Unknown	Total
110	1	0	0	1
167	1	0	0	1
205	6	4	0	10
209	0	1	0	1
211	19	17	1	37
212	13	3	0	16
213	1	0	0	1
214	4	0	0	4
285	0	1	0	1
286	0	1	0	1
UNK	1	0	0	1
Totals Block #12	46	27	1	74

BPA #13				
Block Killed In	Male	Female	Unknown	Total
104	4	4		8
105	4	9		13
106	17	19		36
107	2	3		5
110	9	4		13
167	1	1		2
168	1	0		1
169	0	1		1
197	1	0		1
212	1	0		1
284	2	1		3
Totals Block #13	42	42		84

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1988.

	Male	Female	Unknown	Total
BPA #21				
<u>Block Killed in</u>				
107	34	16	0	50
108	8	12	0	20
109	6	3	0	9
115	2	3	0	5
119	29	19	1	49
120	15	13	1	29
121	8	8	0	16
126	0	1	0	1
168	5	3	0	8
169	42	28	0	70
170	23	8	0	31
171	0	1	0	1
173	0	1	0	1
175	18	14	1	33
176	3	0	1	4
177	4	1	0	5
178	3	4	0	7
179	1	1	0	2
180	1	0	0	1
181	7	14	0	21
182	0	3	0	3
195	1	0	0	1
197	2	0	0	2
UNK	8	3	1	12
<hr/>				
Totals Block #21	220	156	5	381
BPA #22				
<u>Block Killed in</u>				
116	3	3		6
117	4	2		6
120	0	1		1
<hr/>				
Totals Block #22	7	6		13
BPA #31				
<u>Block Killed in</u>				
117	1	1	0	2
121	1	1	0	2
122	15	5	0	20
123	7	3	0	10
124	3	1	0	4
125	7	1	1	9
126	8	3	0	11

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1988.

	Male	Female	Unknown	Total
BPA #31 (con't)				
127	13	6	0	19
128	7	7	0	14
129	13	6	0	19
130	3	4	0	7
176	5	3	0	8
179	9	6	0	15
180	18	12	1	31
183	1	0	0	1
UNK	0	1	0	1
<hr/>				
Totals Block #31	111	60	2	173

BPA #40

Block Killed in				
110	1	0		1
164	1	0		1
167	5	2		7
168	9	4		13
171	12	5		17
172	14	7		21
173	1	0		1
196	1	0		1
197	20	7		27
198	15	3		18
209	2	0		2
210	0	2		2
222	3	3		6
244	1	0		1
245	19	13		32
246	4	2		6
247	5	6		11
248	1	1		2
249	5	2		7
284	5	2		7
285	6	8		14
286	12	3		15
296	5	5		10
UNK	2	0		2
<hr/>				
Totals in Block #40	149	75		224

BPA #51

Block Killed in				
151	1	0		1
152	4	3		7
154	4	4		8

Table 7. Registered bear harvest by Sex and Block within each Zone (BPA), 1988.

	Male	Female	Unknown	Total
BPA #51 (con'st)				
155	15	13		28
156	8	14		22
157	3	7		10
158	1	1		2
159	0	1		1
170	5	3		8
171	4	3		7
172	1	0		1
173	28	16		44
174	29	10		39
180	1	0		1
181	2	3		5
182	7	10		17
183	14	24		38
199	1	2		3
UNK	1	0		1
<hr/>				
Totals Block #51	129	114		243
<hr/>				
East-central No-quota Zone				
155	1	1		2
156	14	11		25
157	11	10		21
158	36	25		61
159	50	73		123
183	16	19		35
222	1	0		1
225	2	1		3
<hr/>				
East-central No-Quota Zone Totals	131	140		271

Table 8. Registered bear harvest by weapon, 1988.

	Count	Count Percent
WEAPON USED		
RIFLE	888	58.8%
SLUG	57	3.8%
MUZZLELOADER	13	0.9%
BOW + ARROW	197	13.0%
HANDGUN	24	1.6%
UNKNOWN	330	21.9%
TOTAL	1509	100.0%

Table 9. Registered bear harvest by date, 1988.

	Male	Female	Total
September			
1	188	109	297
2	105	73	178
3	108	113	221
4	83	58	141
5	48	41	89
6	17	15	32
7	15	10	25
8	18	13	31
9	28	19	47
10	30	25	55
11	22	16	38
12	11	6	17
13	9	5	14
14	10	6	16
15	7	2	9
16	10	8	18
17	13	14	27
18	15	12	27
19	4	1	5
20	1	4	5
21	4	3	7
22	5	3	8
23	8	8	16
24	11	11	22
25	7	6	13
26	4	2	6
27	5	2	7
28	1	4	5
29	6	2	8
30	4	2	6
October			
1	10	3	13
2	5	3	8
3	3	0	3
4	4	0	4
5	3	1	4
6	2	4	6
7	6	1	7
8	7	1	8
9	4	2	6
10	4	2	6
11	1	2	3
12	2	0	2
13	4	0	4
14	1	0	1
15	3	4	7
16	6	1	7
Unknown			30
TOTAL	862	617	1509

Table 10. Bear hunter harvest and success (based on registered harvest and license sales), 1971-1988 (1987 & 1988 include No Quota Area harvest)

Year	Resident		Non-resident		Unknown	Total	
	Harvest	Success	Harvest	Success		Harvest	Success
1971						43	3.1%
1972						178	8.6%
1973						352	11.3%
1974						644	11.2%
1975						522	8.5%
1976						419	10.6%
1977						701	12.3%
1978						1,028	14.4%
1979	596	8.9%	147	16.8%		743	9.8%
1980	968	12.5%	240	25.4%	39	1,247	14.4%
1981	1,094	10.6%	265	23.1%		1,359	11.9%
1982	362	19.5%	30	44.8%		392	20.4%
1983	986	29.2%	52	50.0%		1,038	29.8%
1984	987	29.0%	32	32.0%		919	26.2%
1985	1,292	33.6%	48	47.5%		1,340	33.9%
1986	1,359	33.2%	53	52.5%	4	1,416	33.8%
1987	1,503	25.6%	67	58.8%	7	1,577	26.4%
1988	1,447	34.8%	62	46.6%	0	1,509	27.2%

Source: Minnesota Black Bear Harvest Reports, 1979-1987. Data by license holder not available prior to 1979.

Table 11. Nuisance bears killed by Licensed Hunters, 1988.

Date	Male	Female	Total
7-21	1	0	1
8-01	1	0	1
8-04	0	1	1
8-05	2	0	2
8-09	0	2	2
8-11	1	0	1
8-14	1	0	1
8-15	1	0	1
8-17	1	1	1
8-18	1	2	3
8-19	0	1	1
8-20	2	4	6
8-26	1	0	1
8-27	1	2	3
8-28	1	0	1
8-29	1	2	3
8-30	2	2	4
8-31	2	0	2
9-01	5	1	6
9-03	1	2	3
9-04	1	0	1
9-06	0	1	1
9-10	4	1	5
9-17	2	0	2
9-27	1	0	1
10-15	1	0	1
<hr/>			
TOTAL	33	22	55

Figure 1. Bear Permit Areas, 1988

Registration Block Map

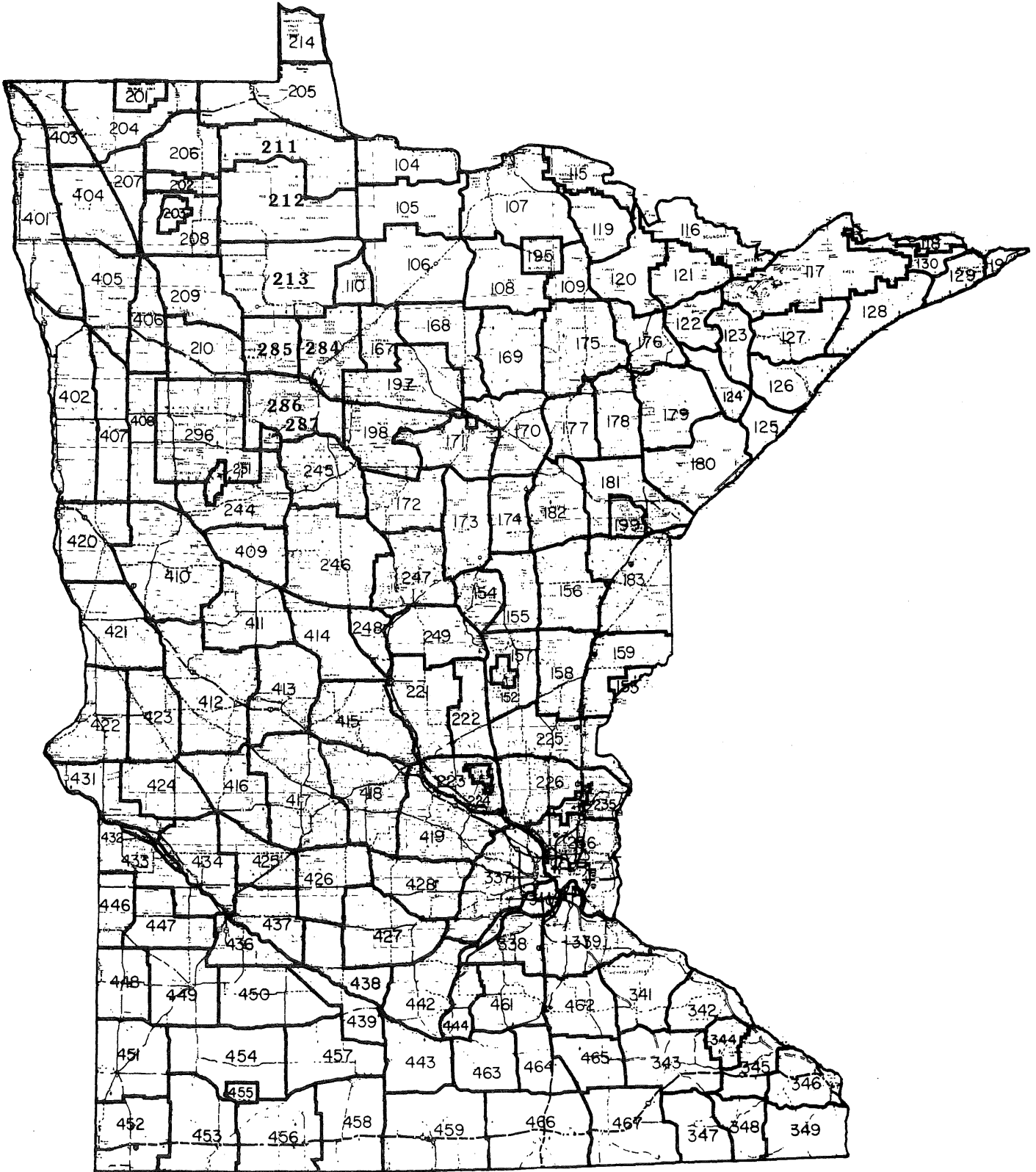


Figure 2. Kill Block Map used for 1988 Bear Season

