

**MINNESOTA**

**BLACK BEAR HARVEST**

**1987**

**DEPARTMENT OF NATURAL RESOURCES**

**SECTION OF WILDLIFE**



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Table 1. Bear Permit Application Error Summary, 1987

Total applications - 19, 687  
Total applications in error - 1,159

<u>Type of error</u>	<u>No. of errors</u>
DL# did not match name/dob	904
DL# not given	515
No signature on application	85
Invalid or missing date of birth (dob)	35
Invalid hunting area	43
Late postmark on application	126
Too many in party	7
<u>Applicant under minimum age</u>	<u>1</u>
Total number of applications in error -	1,159

Table 2. Bear Permit Distribution and Drawing Statistics, 1987

Permit Area Number	No. of Permits Avail. <sup>1</sup>	Total Number Applic.	No. of Valid Applic.	Number of applications (permits issued) by preference level.					Number Permits Issued <sup>3</sup>
				5	4	3	2	1	
12	320	710	663	0(0)	0(0)	18(18)	223(223)	422(79) <sup>2</sup>	320
13	230	688	653	0(0)	0(0)	15(15)	194(194)	444(21) <sup>2</sup>	203
21	1,150	4,415	4,146	3(3)	6(6)	136(136)	1,395(1,005) <sup>2</sup>	2,606(0)	1,010
22	270	219	211	0(0)	0(0)	9(9)	45(45)	157(157)	186
31	970	2,434	2,304	0(0)	8(8)	62(62)	706(706)	1,528(195) <sup>2</sup>	844
40	810	5,557	5,222	2(2)	22(22)	781(781)	1,578(5) <sup>2</sup>	2,839(0)	747
51	1,060	5,622	5,329	8(8)	23(23)	768(768)	1,556(261) <sup>2</sup>	2,974(0)	965
n.a.	0	42	0	0	0	0	0	0	0
All areas	4,810 <sup>1</sup>	19,687	18,528	13(13)	59(59)	1,789(1,789)	5,697(2,439)	10,970(452)	4,214 <sup>3</sup>

<sup>1</sup> 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.

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

<sup>3</sup> This is the number of licenses purchased by the 4726 applicants who were successful in the drawings.

Table 3. Bear license sales, 1971-1987

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 5,867	Q - 93	No Q - 21 114	Q - 4213	No Q. 176 4,389

\*Preliminary county (Q) Quota (No Q) No Quota

Table 4. Registered bear harvest by county, 1987

County Killed In	Residence Flag						TOTAL
	Nonresidents		Residents		Unknown		
	Male	Female	Male	Female	Unknown	Female	
Unknown	0	0	0	4	1	0	5
Aitkin	0	1	96	52	0	0	149
Anoka	0	0	1	0	0	0	1
Becker	0	0	7	2	0	0	9
Beltrami	3	0	36	16	0	0	55
Benton	0	0	0	1	0	0	1
Carlton	0	0	11	10	0	0	21
Cass	7	1	95	31	0	0	134
Chisago	0	0	1	1	0	0	2
Clearwater	0	0	15	7	0	0	22
Cook	3	9	40	46	0	0	98
Crow Wing	0	0	29	8	0	0	37
Hubbard	0	0	18	19	0	0	37
Isanti	0	0	0	1	0	0	1
Itasca	5	2	137	98	0	0	242
Kanabec	0	1	21	12	0	0	34
Kittson	0	0	2	0	0	0	2
Koochiching	0	2	75	48	1	0	126
Lake	1	2	38	42	0	0	83
Lake of the Woods	0	0	17	10	0	0	27
Mahnomen	0	0	2	0	0	0	2
Marshall	0	0	9	5	0	0	14
Mille Lacs	0	0	7	7	1	1	16
Morrison	0	0	7	4	0	0	11
Pennington	0	0	10	2	0	0	12
Pine	8	2	71	34	0	0	115
Red Lake	0	0	1	0	0	0	1
Rice	0	0	0	1	0	0	1
Roseau	0	0	20	9	0	0	29
St. Louis	9	11	141	129	0	0	290
<b>TOTAL</b>	<b>36</b>	<b>31</b>	<b>907</b>	<b>599</b>	<b>3</b>	<b>1</b>	<b>1577</b>

Table 5. Registered bear harvest by county, 1978-1987.

County	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Aitkin	103	55	92	128	39	102	96	118	153	149
Anoka	0	0	0	0	0	0	0	0	0	1
Becker	12	13	7	9	1	14	9	10	3	9
Beltrami	44	42	28	79	24	78	60	58	53	55
Benton	0	0	0	0	0	0	0	0	0	1
Carlton	14	7	17	18	3	9	19	34	39	21
Cass	51	57	69	110	29	93	73	114	89	134
Chisago	0	0	0	1	0	0	0	0	1	2
Clearwater	2	12	3	18	4	8	7	17	12	22
Cook	98	72	148	79	7	46	30	62	65	98
Crow Wing	9	12	9	33	8	26	21	36	22	37
Hubbard	23	16	15	19	11	25	45	41	36	3
Isanti	0	0	1	3	0	0	0	1	2	1
Itasca	158	108	212	172	50	121	128	170	183	242
Kanabec	28	10	12	18	8	19	19	18	36	34
Kittson	0	1	0	0	0	1	8	0	2	2
Koochiching	91	89	137	149	66	105	89	95	113	126
Lake	78	40	74	80	17	42	28	60	79	83
Lake of the Woods	16	12	30	43	25	32	41	29	32	27
Mahnomen	3	0	0	1	2	2	5	1	4	2
Marshall	0	1	2	3	1	9	17	12	5	14
Mille Lacs	7	5	5	12	3	11	11	28	14	16
Morrison	4	3	1	1	1	10	5	4	8	11
Norman	1	0	0	0	0	0	0	0	0	0

(continued)



Table 5. Continued

County	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Pennington	0	0	0	1	0	3	2	1	1	12
Pine	58	31	62	73	20	55	52	98	113	115
Polk	0	0	1	0	0	0	0	1	0	0
Red Lake	0	0	3	2	0	0	0	0	0	1
Rice	0	0	0	0	0	0	0	0	0	1
Roseau	8	4	18	18	7	23	32	19	28	29
St. Louis	210	148	289	284	64	197	122	302	317	290
Wadena	1	0	0	1	0	0	0	0	0	0
Wilkin	0	0	1	0	0	0	0	0	0	0
Unknown	9	4	13	4	22	7	0	11	6	5
<b>TOTAL</b>	<b>1,028</b>	<b>743</b>	<b>1,247</b>	<b>1,359</b>	<b>392</b>	<b>1,038</b>	<b>919</b>	<b>1,340</b>	<b>1,416</b>	<b>1,577</b>

Table 6. Registered bear harvest and success, 1987\*

<u>Permit Area</u>	<u>Permits</u>			
	<u>Available</u>	<u>Issued</u>	<u>Harvest*</u>	<u>Success*</u>
12	320	259	63	24.3%
13	230	203	83	40.9%
21	1150	1010	401	39.7%
22	270	186	26	14.0%
31	970	844	276	32.7%
40	810	746	281	37.7%
51	1060	965	249	25.8%
<hr/>				
Totals	4810	4213	1379	32.7%
<u>No Quota</u>		1768*	198	11.2%
Totals		5981*	1577	26.4%

\* Includes bear taken by nuisance permit  
 \*\* Preliminary totals.

Table 7. Registered bear harvest by Kill Block & Bear Permit Area (BPA), 1987.

	Males	Female	Unknown	Total
Bear Permit Area				
BPA #12				
Block Killed in				
12	1	0	0	1
106*	0	1	0	1*
110*	9	1	0	10*
167*	1	1	0	2*
205	6	2	0	8
206*	1	0	0	1*
209	3	1	0	4
211	13	7	0	20
212	6	6	0	12
213	1	0	0	1
214	2	0	0	2
284*	1	0	0	1*
<hr/>				
Totals Block #12	44	19	0	63 (15*=24%)
<hr/>				
BPA #13				
Block Killed in				
104	9	4	0	13
105	19	3	0	22
106	16	21	1	38
107	2	0	0	2
110	3	3	0	6
205*	1	0	0	1*
212*	1	0	0	1*
<hr/>				
Totals Block #13	51	31	1	83 (2*=2.4%)
<hr/>				
BPA #21				
Block Killed in				
Unknown	1	1	0	2
21	0	1	0	1*
106*	1	2	0	3*
107	23	23	0	46
108	21	16	0	37
109	5	11	0	16
115	2	1	0	3
116*	0	1	0	1*
119	14	15	0	29
120	8	10	0	18
121	2	5	0	7
122*	0	1	0	1*

Table 7. Registered bear harvest by Kill Block & Bear Permit Area (BPA), 1987.(con't)

	Males	Female	Unknown	Total
BPA #21 (con't)				
122	0	1	0	1*
168	7	8	0	15
169	49	43	0	92
170	26	9	0	35
175	15	16	0	31
176	6	6	0	12
177	4	4	0	8
178	4	2	0	6
179*	2	1	0	3*
181	25	8	0	33
182	2	0	0	2
Totals Block #21	217	184	0	401 (8*=2.0%)
BPA #22				
Block Killed in				
116	4	7	0	11
117	5	4	0	9
118	0	2	0	2
119	0	3	0	3*
129*	1	0	0	1*
Totals Block #22	10	16	0	26 (4*=15.4)
BPA #31				
Block Killed in				
31	1	0	0	1
120*	0	2	0	2*
121*	1	0	0	1*
122	5	5	0	10
123	10	15	0	25
124	2	0	0	2
125	13	9	0	22
126	11	11	0	22
127	4	6	0	10
128	25	34	0	59
129	11	17	0	28
130	4	2	0	6
176	2	2	0	4
179	14	16	0	30
180	27	25	0	52
181*	0	1	0	1*
194	1	0	0	1
Totals Block #31	131	145	0	276 (4*=1.4%)

Table 7. Registered bear harvest by Kill Block & Bear Permit Area (BPA), 1987. (con't)

	Males	Female	Unknown	Total
BPA #40				
Block Killed in				
Unknown	1	1	0	2
40	0	1	0	1
110*	2	0	0	2*
167	5	2	0	7
168	20	14	0	34
169*	0	1	0	1*
171	12	3	0	15
172	25	11	0	36
173*	1	0	0	1*
184*	0	1	0	1*
197	28	10	0	38
198	16	6	0	22
209	3	0	0	3
222	5	4	0	9
244	6	2	0	8
245	18	15	0	33
246	5	0	0	5
247	5	4	0	9
249	4	4	0	8
284	3	1	0	4
285	7	5	0	12
286	7	8	0	15
287	4	1	0	5
296	8	2	0	10
Totals Block #40	185	96	0	281 (5*=1.8%)
BPA #51				
Block Killed in				
51	0	0	1	1
152	3	2	0	5
154	1	2	0	3
155	17	10	0	27
156	10	5	0	15
157	4	2	0	6
170	10	0	0	10
171	6	4	0	10
173	54	16	0	70
174	31	12	0	43
180*	1	0	0	1*
181	2	4	0	6
182	22	10	0	32
183	11	7	0	18
197*	0	1	0	1*
199	0	1	0	1
Totals Block #51	172	76	1	249 (2*=0.8%)

Table 7. Registered bear harvest by Kill Block & Bear Permit Area (BPA), 1987.(con't)

	Males	Female	Unknown	Total
NO QUOTA				
Block Killed in				
156	7	0	0	7
157	13	7	0	20
158	18	15	0	33
159	55	26	0	81
183	5	4	0	9
202	8	1	0	9
204	8	1	0	9
206	3	3	0	6
208	2	2	0	4
209	9	1	0	10
225	3	4	0	7
226	0	1	0	1
Unknown	0	0	2	2
Totals No Quota Area	131	65	2	198

\*Assigned registration on block not within BPA

Table 8. Registered bear harvest by weapon, 1987.

	Count	Count Percent
WEAPON USED		
RIFLE		1042 66.1%
SLUG		50 3.2%
MUZZLELOADER		14 .9%
BOW + ARROW		229 14.5%
HANDGUN		35 2.2%
UNKNOWN	207	13.1%
TOTAL	1577	100.0%

Table 9. Registered bear harvest by date, 1987. Nuisance bears not included see Table 11.

	Male	Female	Unknown	
<u>TOTAL</u>				
September				
1	193	126	0	319
2	104	76	1	181
3	64	38	0	102
4	77	56	0	133
5	72	41	0	113
6	65	64	0	129
7	34	18	3	52
8	16	17	0	33
9	16	11	0	27
10	13	9	0	22
11	24	7	0	31
12	23	20	0	43
13	23	18	0	41
14	15	6	0	21
15	8	10	0	18
16	7	5	0	12
17	7	4	0	11
18	4	1	0	5
19	13	10	1	24
20	17	8	0	25
21	7	4	0	11
22	10	4	0	14
23	6	2	0	8
24	3	6	0	9
25	10	7	0	17
26	18	5	0	23
27	12	6	0	18
28	3	3	0	6
29	5	0	0	5
30	2	7	0	9
October				
1	3	3	0	6
2	6	5	0	11
3	6	5	0	11
4	9	1	0	10
5	2	1	0	3
6	2	2	0	4
7	3	1	0	4
8	3	0	0	3
9	1	1	0	2
10	7	2	0	9
11	5	4	0	9
12	2	2	0	4
13	3	2	0	5
14	2	0	0	2
16	2	0	0	2
17	4	3	0	7
18	4	1	0	5
Unknown	-	-	2	2
TOTAL	935	622	4	1561



Table 10. Bear hunter harvest and success (based on registered harvest and license sales), 1971-1987 (1987 includes 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%

Source: Minnesota Black Bear Harvest Reports, 1979-1986. Data by license holder not available prior to 1979.

Table 11. Date and location of bears reported taken by nuisance bear permits, 1987\*

Date	Reg. Block	Male	Female	Unknown	Total
8-2	105	0	1	0	1
8-7	169	1	0	0	1
8-16	180	0	1	0	1
8-23	106	0	1	0	1
8-26	106	0	1	0	1
8-29	unknown	1	0	0	1
8-?	106	0	1	0	2
8-?	107	0	1	0	1
8-30	169	0	1	0	1
9-1	170	2	0	0	2
9-3	121	1	0	0	1
9-7	205	1	0	0	1
9-17	181	1	1	0	2
9-?	181	0	1	0	1
TOTALS		7	9	0	16

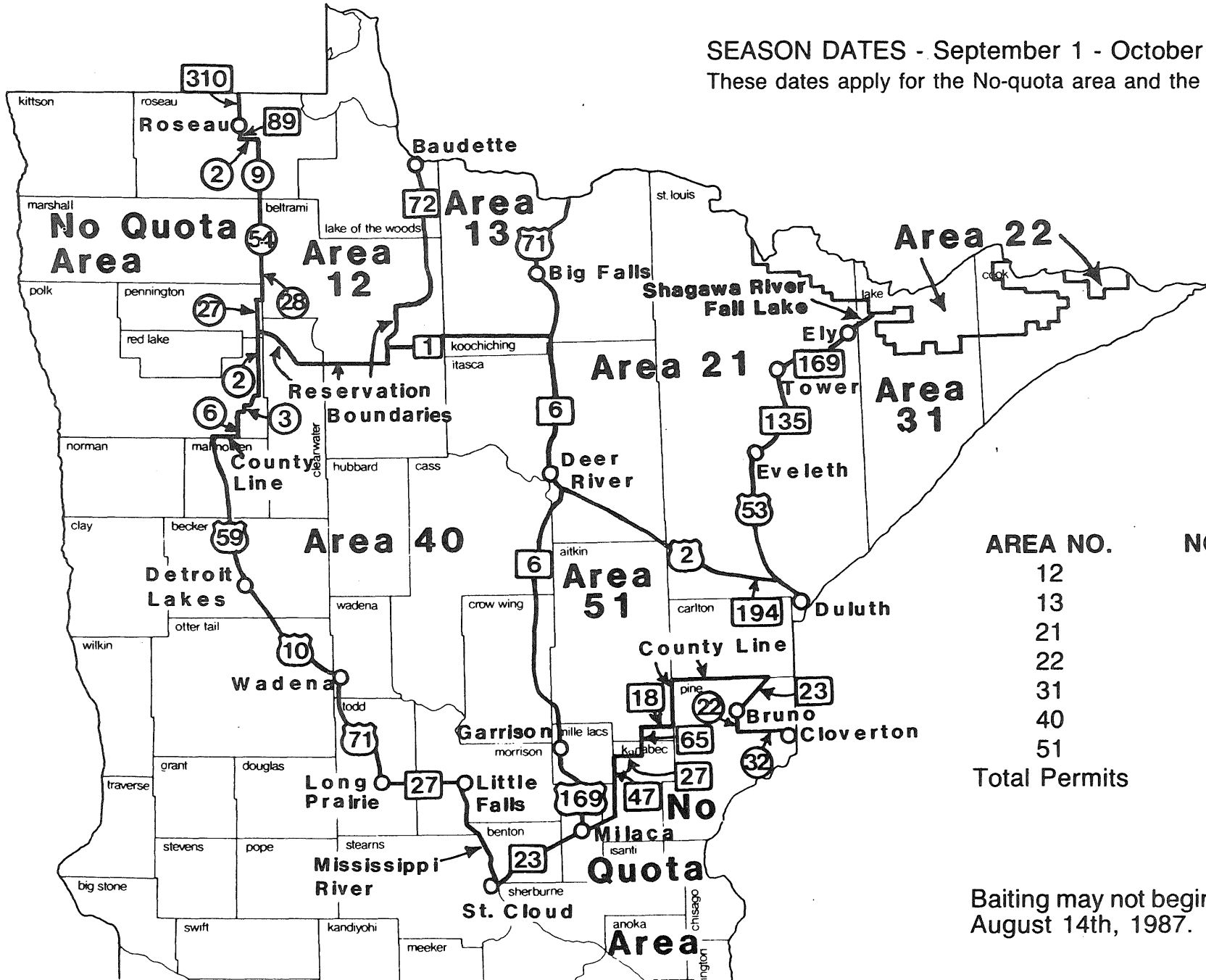
\* Bears not included in Table 9.

Figure 1. Bear Permit Areas and license information, 1987

# 1987 BEAR HUNT PERMIT AREAS

SEASON DATES - September 1 - October 18

These dates apply for the No-quota area and the Permit Areas.



AREA NO.	NO. PERMITS
12	320
13	230
21	1150
22	270
31	970
40	810
51	1060
<b>Total Permits</b>	<b>4810</b>

Baiting may not begin prior to August 14th, 1987.

Figure 2. Kill Block Map used for 1987 Bear Season

### Registration Block Map

