

# Fall Wild Turkey Harvest Report, 2009

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Minnesota's fall turkey hunting season is managed with a quota system similar to the spring turkey hunting season. Permits are allocated across 67 permit areas (PAs; Figure 1) during 2, 5-day time periods in PAs 156 - 467 and 1, 30-day time period in PA 601.

Three types of permits were available to hunters: (1) general lottery permits in which applicants or parties of up to 4 hunters applied for specific PA and time period, (2) landowner permits in which up to 20% of permits for each PA and time period were reserved for landowners or tenants who lived on 40 acres or more of land within the PA, and (3) surplus permits were offered in under-subscribed permit areas and time periods to hunters who applied in the lottery, but were unsuccessful. General lottery and landowner permits were made available based on a system of preference, which was determined by the number of years applicants submitted a valid, but unsuccessful application since last receiving a permit. If available, surplus permits could be purchased on a first-come, first-served basis. Permit holders were allowed to harvest 1 turkey of either sex during the fall season.

Fall turkey hunting opportunity was increased significantly since 2007 with the addition of 4,840 available permits (108% increase) and 35 new permit areas. In 2009, over 5,000 permits were issued, and hunters registered 1,163 turkeys, similar to the 2008 season (Table 1; Figure 2). Hunter success averaged 23% but varied among PAs from 0% in PAs 156, 183, 235, 450, 457, and 458 to 46% in PAs 244 and 454 (Table 2). The majority of permits issued were general lottery (94%), followed by landowner permits (4%), and surplus (2%; Tables 3 – 4).

In response to wild turkey range expansion, the number of PAs open to fall turkey hunting was increased by 35 since 2007. For the second year a 30-day season was held in PA 601 to increase hunter participation and turkey harvest in response to an increasing number of urban/nuisance complaints in the metropolitan area. The addition of 800 permits in PA 601 plus 35 new PAs accounted for 38% of the registered harvest since 2007. Expanded permit allocation in traditional PAs accounted for the remainder of the increase in the number of hunters and registered harvest. Hunter success has remained stable (range 22-24%) since 2004 (Table 1).

Table 1. Permits available and issued, applicants, registered harvest, and hunter success rates for fall wild turkey hunting seasons 1990 – 2009, Minnesota.

Year	Permits available	Applicants	Permits issued	Registered harvest	Hunter success (%) <sup>a</sup>
1990	1000	4522	951	326	34
1991	2200	2990	2020	552	27
1992	2200	2782	2028	588	29
1993	2400	3186	2094	605	29
1994	2500	3124	2106	601	29
1995	2500	3685	2125	648	30
1996	2500	4453	2289	685	30
1997	2580	4574	2378	698	29
1998	2710	4526	2483	828	33
1999	2890	5354	2644	865	33
2000	3090	5263	2484	735	30
2001	2870	4501	2262	629	28
2002	3790	5180	2945	594	20
2003	3870	5264	2977	889	30
2004	4380	5878	3277	758	23
2005	4410	4542	2978	681	23
2006	4290	4167	2802	618	22
2007	4490	4464	2837	695	24
2008	7560	5834	4981	1187	24
2009	9330	7738	5019	1163	23

<sup>a</sup> Success rates not adjusted for non-participation.

Table 2. Permits available and issued, registered harvest, success, and historic success rates by permit area for the 2009 fall wild turkey season, Minnesota.

Permit area	Permits		2009		Historic mean <sup>b</sup>	
	Available	Issued	Registered harvest	Success (%) <sup>a</sup>	Success (%)	<i>n</i>
156	20	14	0	0	0	1
157	100	74	14	19	21	2
159	20	11	1	9	9	1
183	10	9	0	0	0	1
213	100	74	13	18	22	2
214	200	114	42	37	34	2
215	300	187	45	24	27	2
218	200	133	33	25	25	1
219	100	68	6	9	9	1
221	200	86	19	22	21	2
222	200	75	19	25	28	2
223	200	128	26	20	19	2
225	200	99	15	15	15	1
227	300	119	31	26	25	3
229	50	24	3	13	22	2
235	20	11	0	0	0	1
236	300	167	41	25	26	7
239	300	170	56	33	26	2
240	200	120	33	28	29	2
241	20	15	6	40	40	1
243	20	13	4	31	31	1
244	40	28	13	46	46	1
248	100	60	11	18	24	2
249	100	50	8	16	19	2
262	40	7	5	71	43	2
338	200	154	43	28	24	7
339	200	111	22	20	20	7
341	500	267	72	27	26	7
342	350	157	41	26	23	7
343	300	224	51	23	27	7
344	200	116	18	16	20	7
345	200	56	8	14	18	7
346	300	149	33	22	24	7
347	200	98	19	19	25	7

Table 2. Continued

Permit area	Permits		2009		Historic mean <sup>b</sup>	
	Available	Issued	Registered harvest	Success (%) <sup>a</sup>	Success (%)	<i>n</i>
348	250	144	31	22	25	7
349	450	124	26	21	22	7
412	40	19	8	42	38	2
416	20	14	4	29	29	1
417	30	23	5	22	22	1
420	40	9	4	44	36	4
422	50	29	15	52	45	4
425	40	33	6	18	24	4
427	20	6	1	17	17	1
428	30	25	4	16	24	2
431	20	9	4	44	23	4
433	20	18	3	17	22	4
440	20	16	5	31	39	2
442	250	188	59	31	27	7
443	100	59	8	14	17	7
446	20	11	2	18	32	4
447	20	14	3	21	12	4
448	30	19	3	16	23	7
449	30	15	3	20	29	6
450	20	9	0	0	9	4
451	20	5	1	20	20	1
454	20	13	6	46	46	1
457	20	7	0	0	0	1
458	20	1	0	0	0	1
459	20	12	1	8	3	2
461	250	194	34	18	29	7
462	240	169	31	18	25	7
463	30	23	10	43	32	2
464	80	39	5	13	24	7
465	80	23	10	43	24	7
466	160	90	25	28	28	7
467	100	76	12	16	20	7
601 <sup>c</sup>	1000	395	83	21	22	7
Total	9330	5019	1163	23	24	

<sup>a</sup> Success rates not adjusted for non-participation.

<sup>b</sup> Mean success rate (%) over all fall turkey seasons (*n*) between 2003 – 2009 or since a permit area opened for fall turkey hunting.

<sup>c</sup> Permit Area 601 consisted of 1, 30-day season.

Table 3. Permits available and issued by type, registered harvest, and success by permit area during Time Period A for the 2009 fall wild turkey season, Minnesota.

Permit area	Permits Available	Permits issued by type				Registered harvest	Success (%) <sup>a</sup>
		General	Landowner	Surplus	Total		
156	10	5	1	0	6	0	0
157	50	30	5	0	35	8	23
159	10	8	0	0	8	0	0
183	5	3	0	0	3	0	0
213	50	30	9	0	39	5	13
214	100	68	7	0	75	21	28
215	150	118	4	1	123	26	21
218	100	71	7	0	78	18	23
219	50	36	2	0	38	3	8
221	100	52	4	3	59	13	22
222	100	50	0	2	52	12	23
223	100	62	4	0	66	13	20
225	100	67	2	0	69	12	17
227	150	72	1	1	74	16	22
229	25	14	0	0	14	2	14
235	10	10	0	0	10	0	0
236	150	114	1	0	115	26	23
239	150	100	6	0	106	34	32
240	100	70	3	0	73	17	23
241	10	5	2	0	7	2	29
243	10	6	2	0	8	3	38
244	20	13	1	0	14	8	57
248	50	27	10	0	37	6	16
249	50	28	5	0	33	5	15
262	20	2	0	0	2	2	100
338	100	75	7	0	82	19	23
339	100	56	3	2	61	12	20
341	250	149	6	4	159	33	21
342	175	84	2	0	86	28	33
343	150	117	5	0	122	25	20
344	100	49	0	4	53	12	23
345	100	25	2	1	28	4	14
346	150	96	8	1	105	23	22
347	100	48	5	0	53	11	21

Table 3. Continued

Permit area	Permits available	Permits issued by type				Registered harvest	Success (%) <sup>a</sup>
		General	Landowner	Surplus	Total		
348	125	73	3	1	77	18	23
349	225	84	1	0	85	17	20
412	20	9	3	0	12	4	33
416	10	5	2	0	7	2	29
417	15	11	0	0	11	3	27
420	20	4	2	0	6	4	67
422	25	20	1	0	21	12	57
425	20	14	2	0	16	3	19
427	10	3	0	0	3	1	33
428	15	12	1	0	13	2	15
431	10	5	1	0	6	1	17
433	10	8	1	0	9	1	11
440	10	5	1	0	6	3	50
442	125	96	5	0	101	33	33
443	50	35	0	1	36	7	19
446	10	5	0	0	5	1	20
447	10	9	0	0	9	1	11
448	15	13	0	0	13	1	8
449	15	8	0	0	8	2	25
450	10	4	1	0	5	0	0
451	10	5	0	0	5	1	20
454	10	9	0	0	9	4	44
457	10	4	2	0	6	0	0
458	10	0	0	0	0	0	0
459	10	10	0	0	10	1	10
461	125	101	4	0	105	17	16
462	120	100	5	0	105	16	15
463	15	13	0	0	13	8	62
464	40	24	0	0	24	1	4
465	40	11	0	0	11	6	55
466	80	49	2	2	53	14	26
467	50	43	1	0	44	9	20
Total	4165	2552	152	23	2727	612	22

<sup>a</sup> Success rates not adjusted for non-participation

Table 4. Permits available and issued by type, registered harvest, and success by permit area during Time Period B for the 2009 fall wild turkey season, Minnesota.

Permit area	Permits available	Permits issued by type				Registered harvest	Success (%) <sup>a</sup>
		General	Landowner	Surplus	Total		
156	10	6	2	0	8	0	0
157	50	38	1	0	39	6	15
159	10	3	0	0	3	1	33
183	5	5	1	0	6	0	0
213	50	32	3	0	35	8	23
214	100	34	3	2	39	21	54
215	150	61	2	1	64	19	30
218	100	48	7	0	55	15	27
219	50	30	0	0	30	3	10
221	100	25	1	1	27	6	22
222	100	23	0	0	23	7	30
223	100	58	0	4	62	13	21
225	100	29	1	0	30	3	10
227	150	41	2	2	45	15	33
229	25	10	0	0	10	1	10
235	10	1	0	0	1	0	0
236	150	47	1	4	52	15	29
239	150	56	3	5	64	22	34
240	100	38	2	7	47	16	34
241	10	7	1	0	8	4	50
243	10	5	0	0	5	1	20
244	20	14	0	0	14	5	36
248	50	21	0	2	23	5	22
249	50	17	0	0	17	3	18
262	20	5	0	0	5	3	60
338	100	69	2	1	72	24	33
339	100	46	0	4	50	10	20
341	250	106	1	1	108	39	36
342	175	70	0	1	71	13	18
343	150	96	4	2	102	26	25
344	100	58	2	3	63	6	10
345	100	24	1	3	28	4	14
346	150	42	0	2	44	10	23
347	100	44	1	0	45	8	18

Table 4. Continued

Permit area	Permits available	Permits issued by type				Registered harvest	Success (%) <sup>a</sup>
		General	Landowner	Surplus	Total		
348	125	65	2	0	67	13	19
349	225	39	0	0	39	9	23
412	20	7	0	0	7	4	57
416	10	7	0	0	7	2	29
417	15	10	2	0	12	2	17
420	20	3	0	0	3	0	0
422	25	8	0	0	8	3	38
425	20	17	0	0	17	3	18
427	10	3	0	0	3	0	0
428	15	11	1	0	12	2	17
431	10	3	0	0	3	3	100
433	10	9	0	0	9	2	22
440	10	7	3	0	10	2	20
442	125	82	5	0	87	26	30
443	50	23	0	0	23	1	4
446	10	4	2	0	6	1	17
447	10	5	0	0	5	2	40
448	15	6	0	0	6	2	33
449	15	7	0	0	7	1	14
450	10	4	0	0	4	0	0
451	10	0	0	0	0	0	0
454	10	4	0	0	4	2	50
457	10	1	0	0	1	0	0
458	10	1	0	0	1	0	0
459	10	2	0	0	2	0	0
461	125	86	3	0	89	17	19
462	120	62	2	0	64	15	23
463	15	10	0	0	10	2	20
464	40	15	0	0	15	4	27
465	40	9	0	3	12	4	33
466	80	33	1	3	37	11	30
467	50	28	3	1	32	3	9
Total	4165	1780	65	52	1897	468	25

<sup>a</sup> Success rates not adjusted for non-participation



## 2009 Permit Areas (PAs) Open to Turkey Hunting

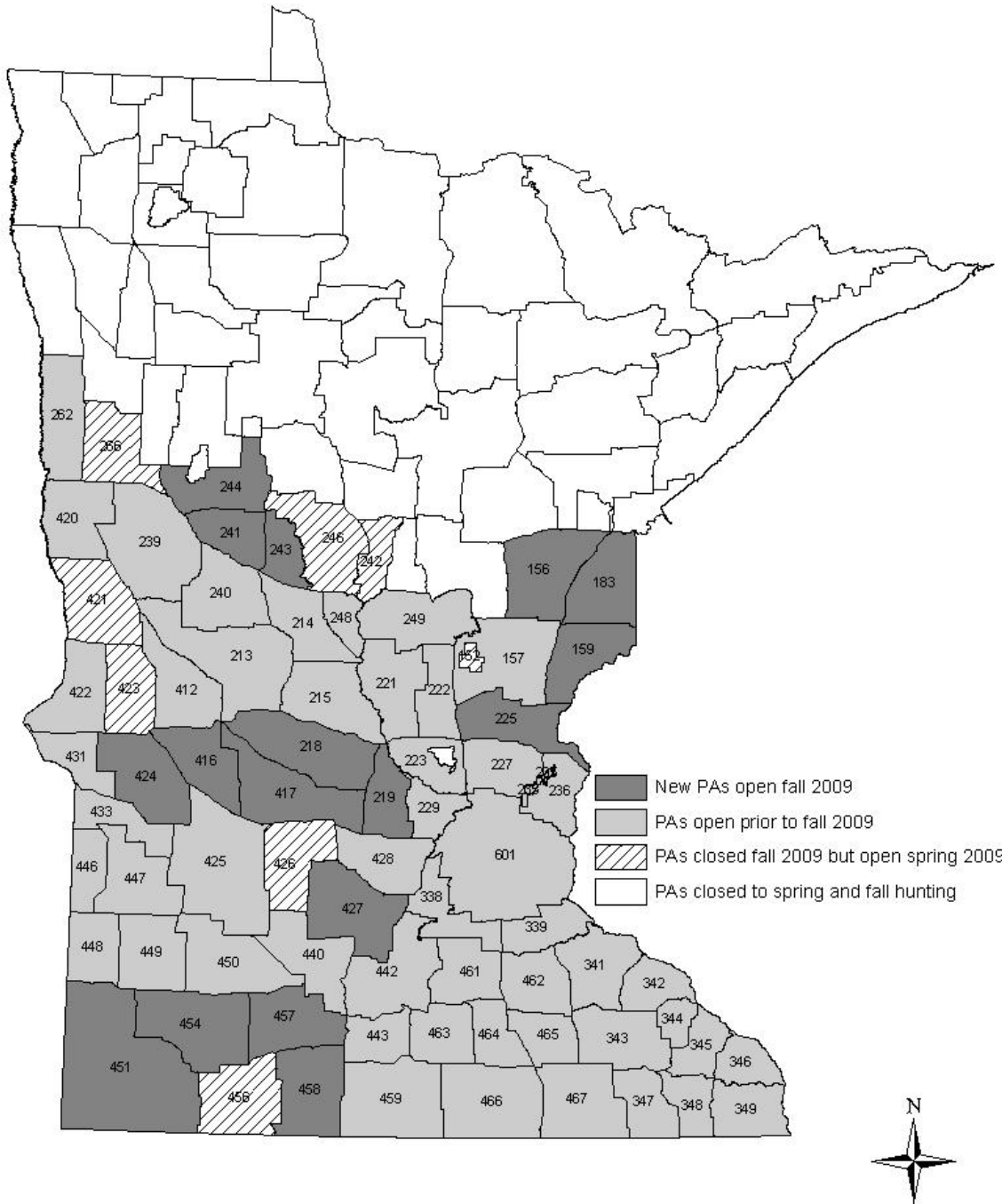


Fig. 1. Permit Areas (PAs) open to hunting for the 2009 fall turkey hunting season, Minnesota.

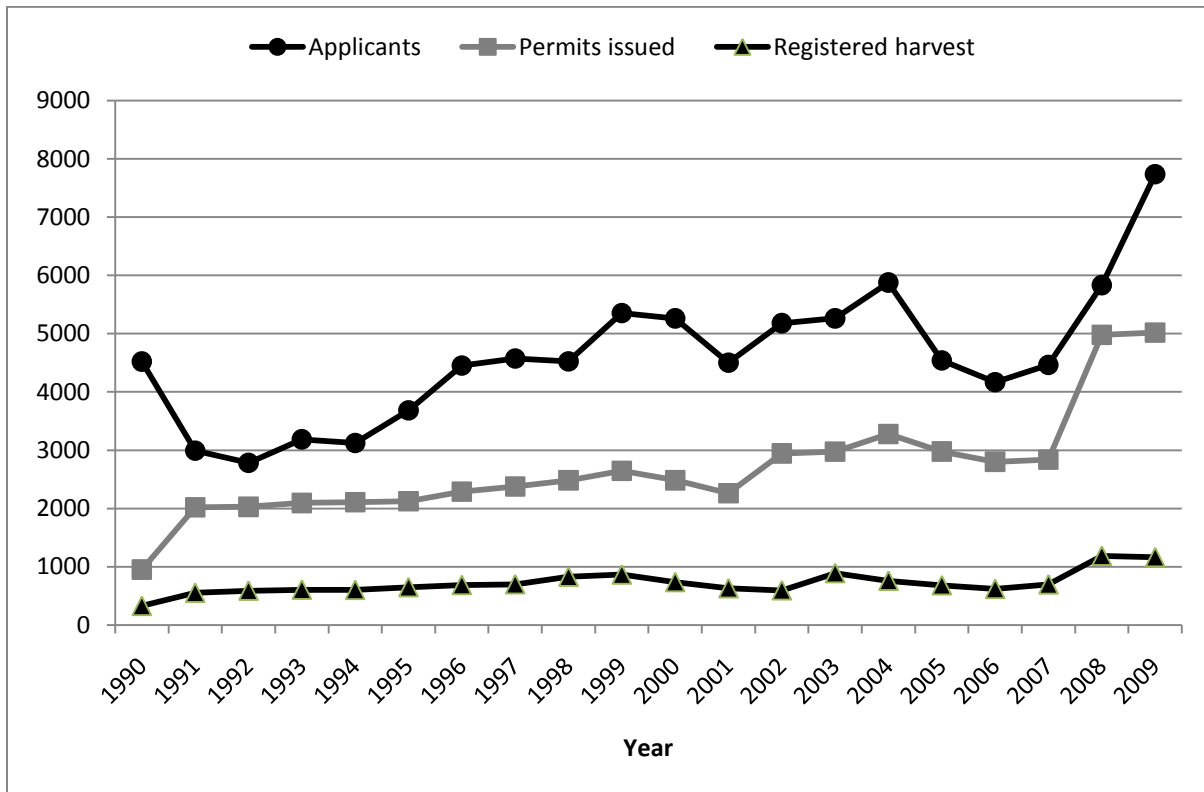


Fig. 2. Applicants, permits issued, and registered harvest for fall wild turkey seasons 1990 – 2009, Minnesota.