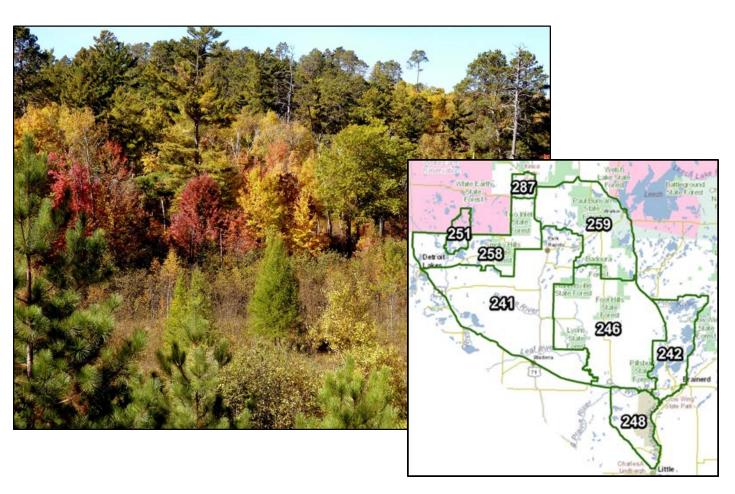
Minnesota Deer Population Goals

Pine Moraines Goal Block





Minnesota DNR - Section of Wildlife, 2015

Final Deer Population Goals - Block 3: Pine Moraines

The following pages provide a description of the 2015 deer population goals, factors considered during goal setting, and management implications for each permit area in Block 3: Pine Moraines (deer permit areas 241, 242, 246, 248, 251, 258, 259 and 287).

Final population goals were developed through a public engagement process, including collecting public comment (via public meetings, online and written questionnaires, mail and email) and convening citizen advisory teams to review information and make recommendations on population goals to DNR. Goals are anticipated to be revisited in 3-5 years (2018-2020). Information incorporated into the final decision includes¹:

- Block 3 Hunter and Landowner Survey Reports
- Block 3 Team Information Packet and Addendum
- 2014 Harvest Report
- Public comment received during comment periods in winter and spring 2015
- Block 3 Advisory Team Recommendations
- Input from Area and Regional staff

¹ Goal setting materials are linked for convenience; source materials with additional detail are cited on the last page.

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This permit area contains almost entirely private land and supports high deer and hunter densities. The area has very good and diverse deer habitats, including conifer and deciduous woods, wetlands, and riparian areas mixed with agricultural land and recreational lakes. Some woodlands and grasslands have been converted to agricultural fields in recent years. Complaints of deer damage have been fairly common over the years from livestock and crop farmers, specialty growers, and lakeshore owners.

2015 Deer Population Goal:

Stabilize at 2014 population levels over the next 3-5 years

Summary of decision

A majority (58%) of hunters surveyed in this permit area preferred a population increase, with the greatest numbers (27% each) tied between preferring an increase of 10% and preferring no change in the population. Landowners surveyed in this permit area were divided between preferring a population decrease, no change, or a population increase, with the greatest number (39%) preferring no change in the population. Public comment collected via online and written questionnaires in winter 2015 showed that a majority (68%) of questionnaire respondents preferred a population increase, with the greatest number (41%) preferring an increase of 25%. After reviewing biological and social data for this permit area, the deer advisory team recommended no change in the population; factors considered included hunter satisfaction, recent mild winters, carrying capacity, uneven distribution of deer on the landscape, agricultural impacts and more. Public comment collected in spring 2015 showed that approximately 53% of commenters supported or were ok with the team's recommendation; a majority of those who did not support the team recommendation preferred a population increase. The Department decided to manage for no change in the deer population in recognition of the advisory team recommendation, the range of stakeholder desires, and public support for team recommendations.

Management implications

• This recommendation will result in management for populations similar to, or slightly below, those directed by the previous goals.

• The Department will aim for a target density of 17-22 deer per square mile (dpsm) of land area (pre-fawn) based on the 2014 model estimate of 17-22 dpsm². In addition to trends indicated by the population model estimates, trends in harvest indices, WSI, and field observations will be used to assess population status.

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² Note that, similar to a weather forecast or budget forecast, model estimates may change over time as new information is incorporated into the model. For example, DNR deer population modeling occurs each spring prior to setting deer seasons. If the winter persists beyond the date when population estimates are developed, the estimate for that year may be different in the following year once the final data on winter severity can be included. In that case, DNR will assess the trend in the population based on the most up-to-date estimate of the 2014 population and best available data, along with other population indices.

•	If milder winter conditions continue, moderate-to-liberal management strategies are anticipated for the next few years to move the population toward goal in this productive area.
	2015 Deer Population Goals

Size of Deer Permit Area: 1047 square miles total; 996 square miles of land.

2015 Population Goal: Stabilize at 2014 population levels over the next 3-5 years.

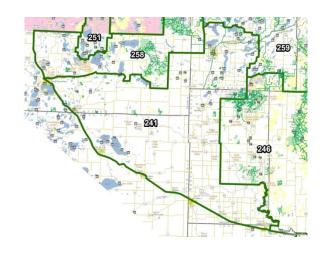
Comments: The boundaries of Deer Permit Area (DPA) 241 changed in 2010. Previously DPA 241

was bordered by State Hwy 87 to the north and U.S. Hwy 71 to the east.

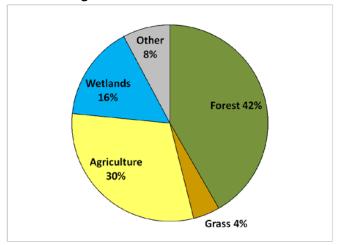
				Reported Deer Harvest (All seasons)		
Year	Mgmt. Designation	No. Firearm Hunters	Firearm Success (%)	Total	Bucks	Antlerless
2005	Intensive	5779	74%	4288	1460	2828
2006	Intensive	5206	84%	4369	1506	2863
2007	Intensive	5055	95%	4787	1498	3289
2008	Intensive	5287	81%	4284	1377	2907
2009	Intensive	5319	81%	4332	1462	2870
2010*	Managed	12629	64%	8029	3278	4751
2011	Managed	12753	55%	7033	2801	4232
2012	Hunter's Choice	13745	46%	6267	3092	3175
2013	Managed	14809	48%	7159	2986	4173
2014	Hunter's Choice	15405	44%	6737	3201	3536

^{*} Boundary change. Please see comments above.

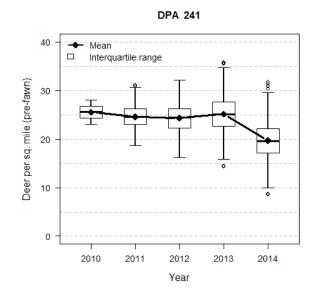
Size of Deer Permit 1047 square miles total;
Area: 996 square miles of land



Habitat Categories:



2014 Model Output



This permit area contains almost entirely private land in the heavier-populated Brainerd Lakes area. The area has good deer habitat, including pine and oak woods, wetlands, and riparian areas next to larger recreational lakes. Property and lakeshore owners have complained of deer damage to landscaping and tree regeneration.

2015 Deer Population Goal:

Increase the population 25%, relative to 2014 population, over the next 3-5 years

Summary of decision

A majority (63%) of hunters surveyed in this permit area preferred a population increase, with the greatest number (32%) preferring an increase of 25%. Approximately half (49%) of landowners surveyed in this permit area preferred no change in the population. Public comment collected via online and written questionnaires in winter 2015 showed that a majority (71%) of questionnaire respondents preferred a population increase, with the greatest number (41%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team recommended increasing the population 25%; factors considered included deer "hot spots" (local pockets with high deer populations), habitat availability, depredation and more. Public comment collected in spring 2015 showed that approximately 76% of commenters supported or were ok with the team's recommendation. The Department decided to manage for an increase in the deer population in recognition of the advisory team recommendation, the range of stakeholder desires, and public support for team recommendations.

Management implications

- This recommendation will result in management for populations similar to those directed by the previous goal.
- The Department will aim for a target density of 13-17 deer per square mile (dpsm) of land area (pre-fawn) based on the 2014 model estimate of 10-14 dpsm³. In addition to trends indicated by the population model estimates, trends in harvest indices, WSI, and field observations will be used to assess population status.
- If milder winter conditions continue, moderate management strategies are anticipated for the next few years to move the population toward goal in this productive area.

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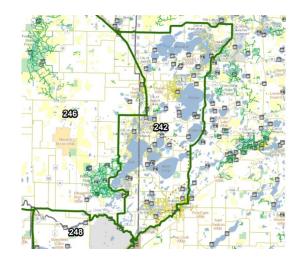
³ Note that, similar to a weather forecast or budget forecast, model estimates may change over time as new information is incorporated into the model. For example, DNR deer population modeling occurs each spring prior to setting deer seasons. If the winter persists beyond the date when population estimates are developed, the estimate for that year may be different in the following year once the final data on winter severity can be included. In that case, DNR will assess the trend in the population based on the most up-to-date estimate of the 2014 population and best available data, along with other population indices.

Size of Deer Permit Area: 307 square miles total; 214 square miles of land.

2015 Population Goal: Increase the population 25%, relative to 2014 population, over the next 3-5 years.

					Reported	Deer Harvest (All seasons)
Ye	ear	Mgmt. Designation	No. Firearm Hunters	Firearm Success (%)	Total	Bucks	Antlerless
20	05	Intensive	2874	74%	2116	721	1395
20	006	Intensive	2565	85%	2170	692	1478
20	07	Intensive	2642	86%	2259	688	1571
20	800	Intensive	2897	77%	2239	663	1576
20	009	Managed	2715	59%	1598	607	991
20	10	Managed	2722	70%	1907	732	1175
20	11	Managed	2830	61%	1735	681	1054
20	12	Managed	2873	62%	1793	626	1167
20	13	Managed	3001	52%	1551	600	951
20	14	Lottery (500)	2644	36%	948	584	364

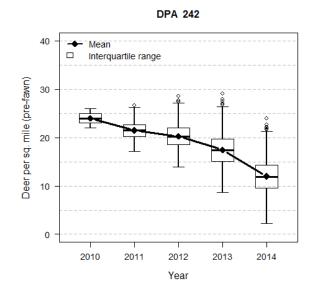
Size of Deer Permit 307 square miles total;
Area: 214 square miles of land



Habitat Categories:

Other 9% Wetlands 39% Agriculture 4% Grass 2%

2014 Model Output:



This permit area contains large blocks of public forestland and a significant amount of private recreational and ranch land as well. It is a popular deer hunting area and has supported moderate deer densities. The habitat includes red and jack pine, mixed deciduous and aspen forests, pastures, and large wetlands. Some of the pine woodlands in this area have recently been converted to agricultural fields. The most common deer complaint in this area is browsing on young trees, especially pine regeneration.

2015 Deer Population Goal:

Increase the population 25%, relative to 2014 population, over the next 3-5 years

Summary of decision

A majority (70%) of hunters surveyed in this permit area preferred a population increase, with the greatest number (33%) preferring an increase of 25%. A majority (60%) of landowners surveyed in this permit area preferred a population increase, but nearly one third (26%) preferred no change. Public comment collected via online and written questionnaires in winter 2015 showed a majority (76%) of questionnaire respondents preferred a population increase, with the greatest number (45%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team did not reach consensus on a recommendation. Factors considered in the team discussion included habitat availability, hunting pressure, harvest levels, forest regeneration, permit area boundaries and more. Public comment collected in spring 2015 showed that a majority of commenters preferred a population increase. The Department decided to manage for an increased deer population in recognition of stakeholder desires, current population levels, and habitat opportunities. This is an area where pine regeneration concerns exist and will need to be monitored. Similarly, access to private land for hunting opportunities can be challenging.

Management implications

• This recommendation will result in management for populations above those directed by the previous goal.

• The Department will aim for a target density of 18-22 deer per square mile (dpsm) of land area (pre-fawn) based on the 2014 model estimate of 13-19 dpsm⁴. In addition to trends indicated by the population model estimates, trends in harvest indices, WSI, and field observations will be used to assess population status.

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⁴ Note that, similar to a weather forecast or budget forecast, model estimates may change over time as new information is incorporated into the model. For example, DNR deer population modeling occurs each spring prior to setting deer seasons. If the winter persists beyond the date when population estimates are developed, the estimate for that year may be different in the following year once the final data on winter severity can be included. In that case, DNR will assess the trend in the population based on the most up-to-date estimate of the 2014 population and best available data, along with other population indices.

•	If milder winter conditions continue, moderate management strategies are anticipated for the next few years to move the population toward goal in this productive area.
	2015 Deer Population Goals

Size of Deer Permit Area: 860 square miles total; 840 square miles of land.

2015 Population Goal: Increase the population 25%, relative to 2014 population, over the next 3-5 years. **Comments:** Deer Permit Area (DPA) 246 underwent a boundary change in 2010. Previously, the

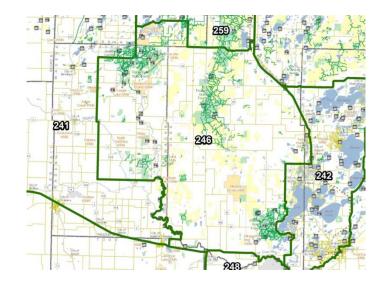
Deer Permit Area (DPA) 246 underwent a boundary change in 2010. Previously, the western boundary followed the Crow Wing River north from U.S. Hwy. 10, then west on County Rd. 15 to north on County Rd. 23 to west on County Rd. 17 to Menahga. The boundary then continued north on U.S. Hwy 71, then east on State Hwy. 87,

which it followed to the unchanged northern boundary of the DPA.

				Reported	Deer Harvest (A	All seasons)
Year	Mgmt. Designation	No. Firearm Hunters	Firearm Success (%)	Total	Bucks	Antlerless
2005	Intensive	10787	54%	5835	2082	3753
2006	Intensive	9457	68%	6389	2178	4211
2007	Managed	9399	57%	5339	1935	3404
2008	Lottery (3000)	9211	31%	2863	1600	1263
2009	Lottery (4000)	9514	35%	3323	1753	1570
2010*	Lottery (5500)	11283	38%	4256	2327	1929
2011	Hunter's Choice	11350	40%	4508	2176	2332
2012	Hunter's Choice	11789	39%	4627	2251	2376
2013	Hunter's Choice	11512	31%	3611	1743	1868
2014	Lottery (500)	11174	21%	2307	1689	618

^{*} Boundary change. Please see comments above.

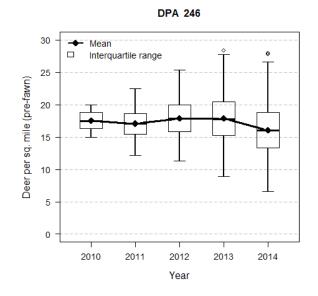
Size of Deer Permit 860 square miles total;
Area: 840 square miles of land



Habitat Categories:

Other 6% Wetlands 26% Forest 52% Grass 2%

2014 Model Output:



This deer permit area (DPA) is fairly small and has a good mixture of diverse habitat types, with about 55% of the permit area comprised of good deer habitat with woody vegetation. The permit area is mostly rural with no urban deer issues, and includes the Camp Ripley Military Reservation. The permit area has a significant amount of private land and some additional protected and public forestlands. It is bounded on the east side by the Mississippi River and includes a few larger recreational lakes. DPA 248 is a popular deer hunting area, but concerns about the deer impacts to forests and ecological systems in the area have been noted. Deer numbers have been high historically, and have impacted habitat on private and public land throughout the permit area. Deer densities declined slowly from 2006 to 2012 due to harvest regulations designed to reduce the population, with a larger decline from 2013-2014 due to severe winter weather which dropped the population below goal. Historically DNR has received a number of complaints of deer damage to orchards, vineyards and other specialty crops in this permit area.

2015 Deer Population Goal:

Increase the population 25%, relative to 2014 population, over the next 3-5 years

Summary of decision

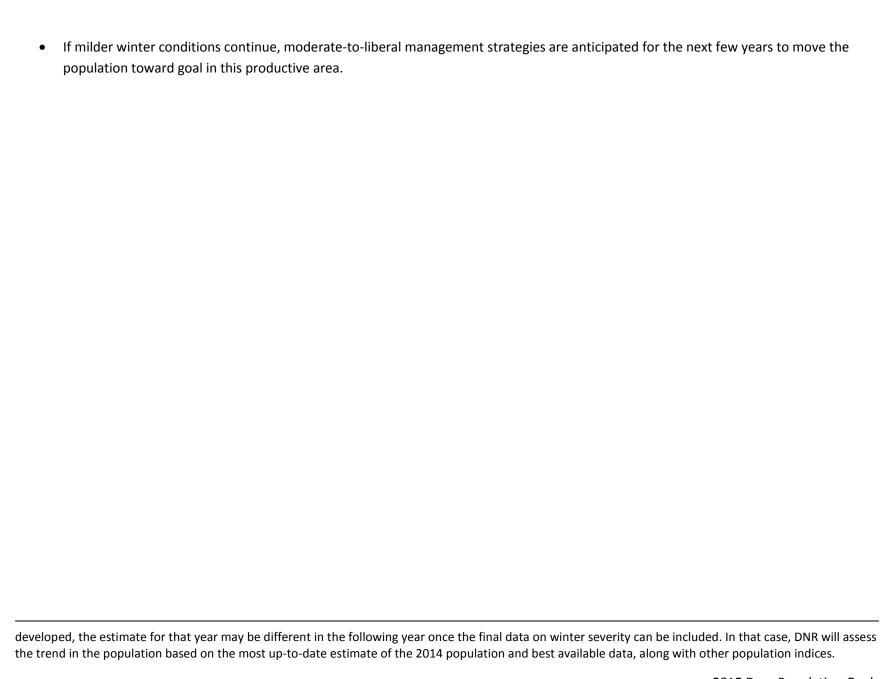
A majority (67%) of hunters surveyed in this permit area preferred a population increase, with the greatest number (36%) preferring an increase of 10%. Approximately half (49%) of landowners surveyed in this permit area preferred a population increase, while approximately one third (34%) preferred no change. Public comment collected via online and written questionnaires in winter 2015 showed a majority (75%) of questionnaire respondents preferred a population increase, with the greatest number (43%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team recommended a population increase of 25%; factors considered included impacts to agriculture and forests, as well as other considerations. Public comment collected in spring 2015 showed that approximately 81% of commenters supported or were ok with the team's recommendation. The Department decided to manage for an increase in the deer population in recognition of the advisory team recommendation, broader stakeholder desires, and public support for team recommendations.

Management implications

• This recommendation will result in management for populations similar, or slightly below, those directed by the previous goal.

• The Department will aim for a target density of 14-18 deer per square mile (dpsm) of land area (pre-fawn) based on the 2014 model estimate of 11-16 dpsm⁵. In addition to trends indicated by the population model estimates, trends in harvest indices, WSI, and field observations will be used to assess population status.

⁵ Note that, similar to a weather forecast or budget forecast, model estimates may change over time as new information is incorporated into the model. For example, DNR deer population modeling occurs each spring prior to setting deer seasons. If the winter persists beyond the date when population estimates are

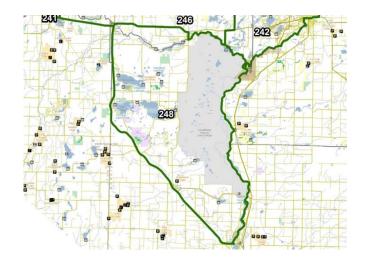


Size of Deer Permit Area: 231 square miles total; 214 square miles of land.

2015 Population Goal: Increase the population 25% relative to 2014 population.

	Mgmt. Designation No. Firearm Firearm Hunters Success (%)		Reported Deer Harvest (All seaso			
Year			Firearm Success (%)	Total	Bucks	Antlerless
2005	Intensive	2304	72%	1670	641	1029
2006	Intensive	1967	65%	1279	466	813
2007	Intensive	1942	71%	1387	487	900
2008	Managed	1943	49%	952	410	542
2009	Managed	1895	48%	917	406	511
2010	Managed	1841	57%	1054	456	598
2011	Managed	2125	46%	985	447	538
2012	Managed	2303	46%	1060	448	612
2013	Managed	2183	42%	921	409	512
2014	Hunter's Choice	2240	39%	878	432	446

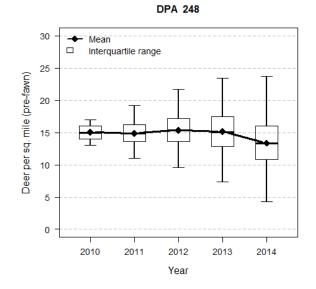
Size of Deer Permit 231 square miles total;
Area: 214 square miles of land



Habitat Categories:

Wetlands 24% Forest 52% Agriculture 9%

2014 Model Output:



This permit area's boundaries coincide with Tamarac National Wildlife Refuge; the north half of the area is also in the White Earth Reservation. The habitat consists mostly of mixed upland deciduous forest, brush, a variety of wetlands, and shallow wildlife lakes. In addition to providing public deer hunting opportunities, managers are also interested in regenerating forests and maintaining ecological health.

2015 Deer Population Goal:

Communicate interest in a population increase of 25%, relative to 2014 population, to USFWS Refuge Managers

Summary of decision

A majority (88%) of hunters surveyed in this permit area preferred a population increase, with the greatest numbers (35% each) tied between preferring an increase of 10% and preferring an increase of 25%. Private landowners were not surveyed about this permit area because it is entirely public land (Tamarac National Wildlife Refuge). Public comment collected via online and written questionnaires in winter 2015 showed that a majority (76%) of questionnaire respondents preferred a population increase, with the greatest number (42%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team recommended a population increase of 25%. Factors considered in the team's discussion included harvest levels, hunter satisfaction rates, biodiversity and more. Public comment collected in spring 2015 showed that approximately 81% of commenters supported or were ok with the team's recommendation. Management objectives for the NWR, based on their 2010 Comprehensive Conservation Plan (CPP) would suggest a slightly lower population increase. The CCP also underwent public review. DNR will coordinate management with the USFWS to increase the deer population in DPA 251 while also recognizing management objectives of the Refuge.

Management implications

- This recommendation will result in management for populations above those directed by previous goals, both based on state goal-setting (2005-07) and federal objectives (2010). Based on the Refuge's CCP, the USFWS would prefer a smaller increase in the population.
- Because the population is not modeled (due to its small size), a target density is not available. Trends in harvest indices, WSI, and field observations will used to assess population status.
- If milder winter conditions continue, conservative-to-moderate management strategies are anticipated for the next few years to move the population toward goal in this productive area.

Size of Deer Permit Area: 68 square miles total; 55 square miles of land.

2015 Population Goal: Communicate interest in a population increase of 25%, relative to 2014 population, to

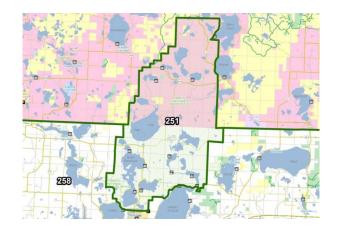
USFWS Refuge Managers.

Comments: This is the Tamarack National Wildlife Refuge. The population for this small area is not

modeled.

				Reported Deer Harvest (All seasons)			
Year	Mgmt. Designation	No. Firearm Hunters	Firearm Success (%)	Total	Bucks	Antlerless	
2005	Managed	728	45%	325	128	197	
2006	Managed	594	50%	299	145	154	
2007	Managed	565	45%	253	91	162	
2008	Managed	531	27%	143	58	85	
2009	Managed	557	36%	199	63	136	
2010	Lottery (300)	518	31%	158	86	72	
2011	Lottery (200)	543	20%	109	58	51	
2012	Lottery (200)	568	26%	150	88	62	
2013	Lottery (200)	568	24%	134	88	46	
2014	Lottery (100)	566	22%	124	82	42	

Size of Deer Permit 68 square miles total;
Area: 55 square miles of land



Habitat Categories:

Agriculture 0% Wetlands 16% Forest 80%

2014 Model Output:

This area is not modeled due to its small size.

This permit area contains large blocks of public forestland and a significant amount of private land as well. The area contains good forested deer habitat consisting of mixed conifer and deciduous forest, a variety of wetlands, and some agricultural fields. This area has supported relatively high deer densities in the past, but there are some concerns with deer damage to tree regeneration.

2015 Deer Population Goal:

Increase the population 25%, relative to 2014 population, over the next 3-5 years

Summary of decision

A majority (69%) of hunters surveyed in this permit area preferred a population increase, with the greatest number (31%) preferring an increase of 10%. A majority (54%) of landowners surveyed in this permit area preferred a population increase, but approximately one third (34%) preferred no change. Public comment collected via online and written questionnaires in winter 2015 showed that a majority (79%) of questionnaire respondents preferred a population increase, with the greatest number (52%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team recommended a population increase of 25%. Factors considered in the team's discussion included hunter satisfaction and success rates, habitat availability and quality, and more. Public comment collected in spring 2015 showed that approximately 85% of commenters supported or were ok with the team's recommendation. The Department decided to manage for an increase in the deer population in recognition of the advisory team recommendation, broader stakeholder desires, and public support for team recommendations.

Management implications

- This recommendation will result in management for populations above those directed by the previous goal.
- The Department will aim for a target density of 20-25 deer per square mile (dpsm) of land area (pre-fawn) based on the 2014 model estimate of 15-20 dpsm⁶. In addition to trends indicated by the population model estimates, trends in harvest indices, WSI, and field observations will be used to assess population status.
- If milder winter conditions continue, moderate management strategies are anticipated for the next few years to move the population toward goal in this productive area.

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⁶ Note that, similar to a weather forecast or budget forecast, model estimates may change over time as new information is incorporated into the model. For example, DNR deer population modeling occurs each spring prior to setting deer seasons. If the winter persists beyond the date when population estimates are developed, the estimate for that year may be different in the following year once the final data on winter severity can be included. In that case, DNR will assess the trend in the population based on the most up-to-date estimate of the 2014 population and best available data, along with other population indices.

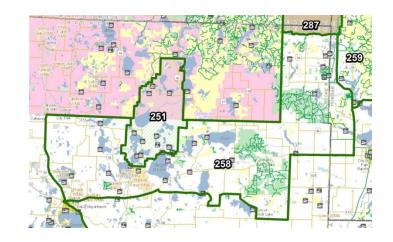
Size of Deer Permit Area: 381 square miles total; 343 square miles of land.

2015 Population Goal: Increase the population 25%, relative to 2014 population, over the next 3-5 years.

Comments: Deer Permit Area 258 was established in 2010

				Reported Deer Harvest (All seasons)		
Year	Mgmt. Designation	No. Firearm Hunters	Firearm Success (%)	Total	Bucks	Antlerless
2010	Lottery (2000)	4098	39%	1601	915	686
2011	Hunter's Choice	4205	39%	1650	767	883
2012	Lottery (2000)	4646	34%	1599	928	671
2013	Hunter's Choice	4348	37%	1592	810	782
2014	Lottery (500)	4308	27%	1168	805	363

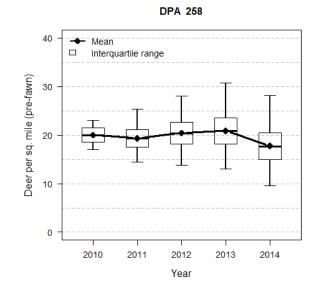
Size of Deer Permit 381 square miles total;
Area: 343 square miles of land



Habitat Categories:

Other 5% Wetlands 11% Agriculture 12% Forest 66%

2014 Model Output:



This permit area contains large blocks of public forestland and larger blocks of private land associated with lakes and other recreational activities. The area contains good forested deer habitat consisting of mixed pine and aspen forest, generally small wetlands, and a number of recreational lakes with some agriculture. This area has supported relatively high deer densities in the past, but there are some continuing concerns with deer damage to tree regeneration, especially pine seedlings.

2015 Deer Population Goal:

Increase the population 25%, relative to 2014 population, over the next 3-5 years

Summary of decision

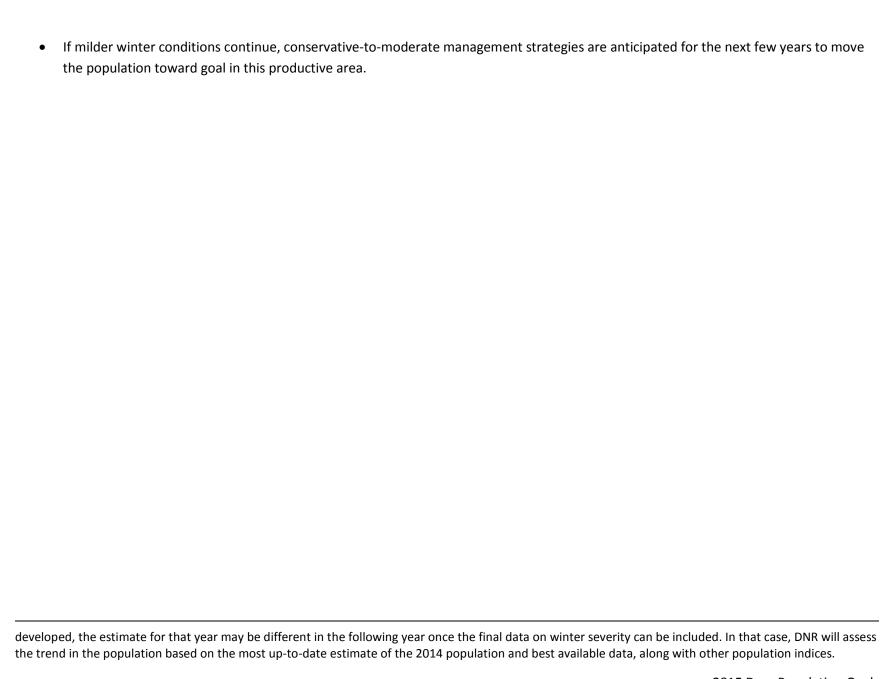
A majority (80%) of hunters surveyed in this permit area preferred a population increase, with the greatest number (37%) preferring an increase of 25%. Approximately half (46%) of landowners surveyed in this permit area preferred no change in the population, while slightly less (42%) preferred a population increase. Public comment collected via online and written questionnaires in winter 2015 showed that a majority (80%) of questionnaire respondents preferred a population increase, with the greatest number (49%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team recommended a population increase of 50%. Factors considered in the team's discussion included hunter satisfaction, deer "hot spots" (local pockets of higher deer populations) and more. Public comment collected in spring 2015 showed that approximately 81% of commenters supported or were ok with the team's recommendation. The Department decided to manage for an increase in the deer population in recognition of the advisory team recommendation, broader stakeholder desires, and public support for team recommendations. However, the decision to aim for a more moderate (25%) population increase in the deer population is a response to concerns that management to achieve significantly higher densities (> 20 deer per square mile) would likely result in lower harvest opportunity in the short- and long-term given the habitat mix and hunting pressure, the influence of winter severity on deer populations in this area, and concerns about anticipated browsing impacts.

Management implications

This recommendation will result in management for populations similar to those directed by the previous goal.

• The Department will aim for a target density of 18-22 deer per square mile (dpsm) of land area (pre-fawn) based on the 2014 model estimate of 14-18 dpsm⁷. In addition to trends indicated by the population model estimates, trends in harvest indices, WSI, and field observations will be used to assess population status.

Note that, similar to a weather forecast or budget forecast, model estimates may change over time as new information is incorporated into the model. For example, DNR deer population modeling occurs each spring prior to setting deer seasons. If the winter persists beyond the date when population estimates are



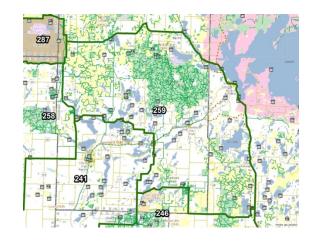
Size of Deer Permit Area: 546 square miles total; 490 square miles of land.

2015 Population Goal: Increase the population 25%, relative to 2014 population, over the next 3-5 years.

Comments: Deer Permit Area 259 was established in 2010.

				Reported Deer Harvest (All seasons)		
Year	Mgmt. Designation	No. Firearm Hunters	Firearm Success (%)	Total	Bucks	Antlerless
2010	Lottery (3000)	7257	37%	2685	1556	1129
2011	Managed	7952	47%	3767	1436	2331
2012	Hunter's Choice	8292	41%	3438	1730	1708
2013	Hunter's Choice	7665	36%	2764	1367	1397
2014	Lottery (500)	7327	21%	1532	1079	453

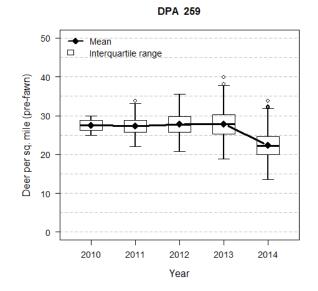
Size of Deer Permit 546 square miles total;
Area: 490 square miles of land



Habitat Categories:

Other 5% Wetlands 8% Agriculture 3% Grass 2% Forest 82%

2014 Model Output:



This permit area's boundaries coincide with Itasca State Park. The park contains mostly upland forests, including mixed red and white pine forests and mixed deciduous forests, with a number of small wetlands and a few lakes. Deer hunting is used to control deer populations, so pine can be regenerated and ecological health maintained.

2015 Deer Population Goal:

Stabilize at 2014 population levels over the next 3-5 years

Summary of decision

A majority (83%) of hunters surveyed in this permit area preferred a population increase, with the greatest number (42%) preferring an increase of 50%. Private landowners were not surveyed about this permit area because it is entirely public land (Itasca State Park). Public comment collected via online and written questionnaires in winter 2015 showed that a majority (74%) of questionnaire respondents preferred a population increase, with the greatest number (44%) preferring an increase of 50%. After reviewing biological and social data for this permit area, the deer advisory team recommended no change relative to the 2014 population. Factors considered in the team's discussion included hunter satisfaction, park reforestation and more. Public comment collected in spring 2015 showed that approximately 58% of commenters supported or were ok with the team's recommendation; those commenters who did not support the team's recommendation were divided between preferring a population decrease and preferring a population increase. The Department decided to manage for no change in the deer population in recognition of the advisory team recommendation and public support for team recommendations. While survey data and public input suggest interest in a significant population increase, the goal for this area reflects the management objectives for Itasca State Park in response to MN Statutes 86A.05 subd. 2c.

Management implications

- This recommendation will result in management for population above those directed by the previous goal.
- Because the population is not modeled (Due to the area's small size), a target density is not available. Trends in harvest indices, WSI, and field observations will be used to assess population status.
- If milder winter conditions continue, moderate-to-liberal management strategies are anticipated for the next few years to move the population toward goal in this productive area.

Size of Deer Permit Area: 51 square miles total; 46 square miles of land.

2015 Population Goal: Stabilize at 2014 population levels over the next 3-5 years.

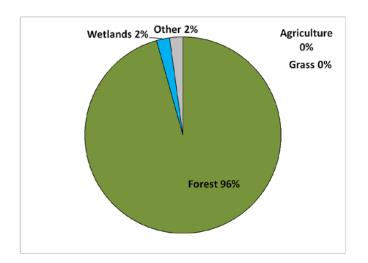
Comments: This is Itasca State Park. The population for this small area is not modeled.

		Mgmt. Designation No. Firearm Firearm Hunters Success (%)		Reported Deer Harvest (All seasons)		
Year	Mgmt. Designation		Firearm Success (%)	Total	Bucks	Antlerless
2005	Intensive	709	39%	279	105	174
2006	Intensive	612	51%	311	105	206
2007	Intensive	555	55%	305	92	213
2008	Intensive	565	44%	249	81	168
2009	Intensive	660	46%	301	85	216
2010	Intensive	604	51%	308	63	245
2011	Intensive	658	39%	259	74	185
2012	Intensive	675	60%	406	120	286
2013	Intensive	656	50%	326	108	218
2014	Managed	642	37%	238	69	169

Size of Deer Permit 51 square miles total;
Area: 46 square miles of land



Habitat Categories:



2014 Model Output:

This area is not modeled due to its small size.

References

MNDNR. 2014. 2014 Minnesota Deer Harvest Report. St. Paul, Minnesota. 44pp.

MNDNR. 2015. *Minnesota Deer Population Goal Setting Packet: Superior Uplands Arrowhead Goal Block 2015*. St. Paul, Minnesota. 66pp. with addendum.

MNDNR. 2015. Superior Uplands Arrowhead: Deer Goal Setting – Block 1 Landowner and Hunter Survey Results. St. Paul, Minnesota. 32pp.