

# CITY OF RAPID CITY

DEPARTMENT OF PARKS AND RECREATION  
 125 WATERLOO STREET  
 RAPID CITY, SOUTH DAKOTA 57701

Jerry W. Cole  
 Director  
 (605) 394-5225

To: Mayor Alan Hanks and City Council Members

From: Jerry W. Cole, Parks and Recreation Director 

Subject: 2009/2010 Deer Harvest Program

Randy Lyons  
 Landscape Designer  
 (605) 394-5225

Date: November 10, 2009

Jeri Taton  
 Administrative  
 Assistant  
 (605) 394-5225

The State Game, Fish & Parks Department conducted the annual deer survey in Rapid City from October 19-21, 2009. The total number of deer counted during the survey was 282. The attached summary gives specific information on locations, time of day, breed, and gender of the animals counted in the survey.

Lon Van Deusen,  
 Parks & Cemetery  
 Manager  
 (605) 394-4175

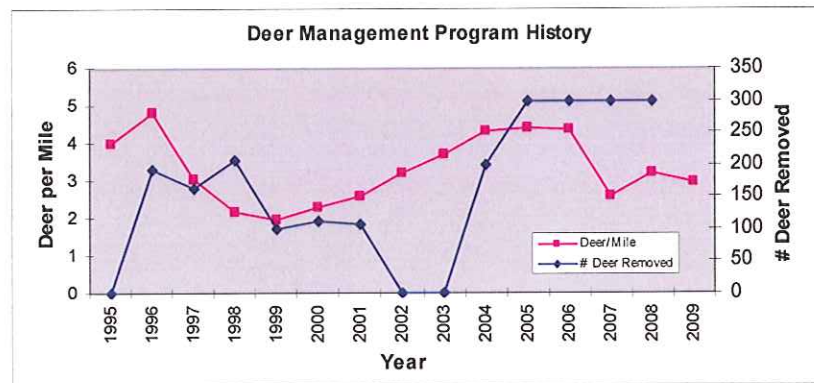
The total number of deer counted throughout the city in 2009 decreased slightly from 325 in 2008 to 282 in 2009. The deer per mile count also decreased in that same time period from 3.22 to 2.09.

Doug Lowe,  
 Recreation Manager  
 (605) 394-6161

These results were submitted to the Parks & Recreation Department for review and staff concurs with the recommendation of the Game Fish & Parks office to continue the deer harvest program in 2009/2010 and apply for 300 licenses.

If you have any questions, please don't hesitate to contact me.

Duncan Olney  
 Aquatics Manager  
 (605) 394-5223



# Deer Program Summary 1996-2009

## Deer Survey Summary

Season	North Route	Central Route	South Route	Total
1996	130	77	251	458
1997	75	52	161	288
1998	22	82	116	220
1999	68	36	84	188
2000	79	27	112	218
2001	98	33	121	252
2002	134	59	144	337
2003	139	73	191	403
2004	120	72	215	407
2005	173	111	194	478
2006	234	133	147	514
2007	132	109	76	317
2008	169	22	134	325
2009	130	10	142	282

## Deer Harvest Summary

Season	Expenses	Pounds Meat	Number of Deer Harvested	Number of Carcasses given away
1996-97	23,272.82	6088	192	
1997-98	21,825.39	7339	162	
1998-99	25,242.88	10,231	207	
99-2000	12,383.86	3978	100	
2000-01	12,952.08	2994	111	
2001-02	12,255.32	2893	106	
2002-03	0	0	0	0
2003-04	0	0	0	0
2004-05	21,554.63	0	200	199
2005-06	30,753.03	0	301	300
2006-07	31,093.39	0	300	299
2007-08	30,962.86	0	300	300
2008-09	33,605.41		300	300
<b>Totals</b>	<b>255,901.67</b>	<b>33,523</b>	<b>2,279</b>	<b>1,398</b>

The 2009 Deer Survey was conducted between October 19th and October 21st; twice in the evening and once in the morning.

**Recommendation:** Apply for 300 licenses for December and January deer management and if numbers stay steady or fall below an average of 100 in each area in 2010 survey, decrease licenses in 2010 to maintain manageable numbers at or below the 100 level.

### Summary of Rapid City Deer Routes, 2009

Each of the three Rapid City deer routes were surveyed once per day for three consecutive days, October 19-21, 2009. On the 19th and 21st routes were run during the evening with start times of approximately 5pm. On the 20th routes were run in the morning starting at approximately 7am. Routes were run from North to South.

Due to potential traffic problems during these time periods a driver and observer were used for each route. GFP Participants in the survey were: Luke Meduna, Lori Jennings and Dennis Mann. City Parks department participants were: Jeff Pansch, John Embrock and Doug Kroeger

**Weather conditions:**

- Oct. 19: Daytime high temperature was 45, partly cloudy, rain earlier in day and winds 5-15 mph.
- Oct. 20: Daytime high temperature was 40, foggy, light rain and winds 5-10mph
- Oct. 21: Daytime high temperature was 49, overcast, winds 5mph.

Moon phase: Waxing Crescent

**Length of Routes:** North - Approximately 18 miles  
 Central - Approximately 13 miles  
 South - Approximately 14 miles

Date	Route	Mule Deer					Whitetail Deer					Total Deer Counted	Deer per Lin. Mile
		Bucks	Does	Fawns	Unk	Fawns/100Doe	Bucks	Does	Fawns	Unk	Fawns/100Doe		
10/19/2009 PM	North	0	2	1	4	50	2	12	17	5	142	43	2.39
	Central	0	0	0		#DIV/0!	0	1	1		100	2	0.15
	South	9	8	7		88	1	2	3		150	30	2.14
<b>Totals</b>		<b>9</b>	<b>10</b>	<b>8</b>	<b>4</b>	<b>80</b>	<b>3</b>	<b>15</b>	<b>21</b>	<b>5</b>	<b>140</b>	<b>75</b>	<b>1.67</b>

Date	Route	Mule Deer					Whitetail Deer					Total Deer Counted	Deer per Lin. Mile
		Bucks	Does	Fawns	Unk	Fawns/100Doe	Bucks	Does	Fawns	Unk	Fawns/100Doe		
10/20/2009 AM	North	4	7	4		57	2	9	7		78	33	1.83
	Central	0	0	0		#DIV/0!	0	0	0		#DIV/0!	0	0.00
	South	9	14	13	2	93	0	1	2		0	41	2.93
<b>Totals</b>		<b>13</b>	<b>21</b>	<b>17</b>	<b>2</b>	<b>81</b>	<b>2</b>	<b>10</b>	<b>9</b>	<b>0</b>	<b>90</b>	<b>74</b>	<b>1.64</b>

Date	Route	Mule Deer					Whitetail Deer					Total Deer Counted	Deer per Lin. Mile
		Bucks	Does	Fawns	Unk	Fawns/100Doe	Bucks	Does	Fawns	Unk	Fawns/100Doe		
10/21/2009 PM	North	4	2	1		50	8	15	18	6	120	54	3.00
	Central	0	3	2		67	0	1	2		200	8	0.62
	South	12	26	22		85	0	7	4		57	71	5.07
<b>Totals</b>		<b>16</b>	<b>31</b>	<b>25</b>	<b>0</b>	<b>81</b>	<b>8</b>	<b>23</b>	<b>24</b>	<b>6</b>	<b>104</b>	<b>133</b>	<b>2.96</b>

Route	Mule Deer					Whitetail Deer					Total Deer Counted	Deer per Lin. Mile
	Bucks	Does	Fawns	Unk	Fawns/100Doe	Bucks	Does	Fawns	Unk	Fawns/100Doe		
North	8	11	6	4	55	12	36	42	11	117	130	2.41
Central	0	3	2	0	67	0	2	3	0	150	10	0.26
South	30	48	42	2	88	1	10	9	0	90	142	3.38
<b>Totals</b>	<b>38</b>	<b>62</b>	<b>50</b>	<b>6</b>	<b>81</b>	<b>13</b>	<b>48</b>	<b>54</b>	<b>11</b>	<b>113</b>	<b>282</b>	<b>2.09</b>

2009 Game, Fish & Parks Deer Survey

Date	Route	Time	Mule Deer					Whitetail Deer					Total Deer Counted	Percent Change From 1995	Length of Route (miles)	Deer per Mile
			Bucks	Does	Fawns	Unk	Total	Bucks	Does	Fawns	Unk	Total				
10/17/95	North	pm	6	10	11	4	31	0	1	1	0	2	33		18	1.83
10/17/95	Central	pm	4	8	7	3	22	0	9	8	0	17	39		13	3.00
10/15/95	South	pm	7	46	45	11	109	0	0	0	0	0	109		14	7.79
Total												181		45	4.02	
10/17/96	North	pm	6	26	29	1	62	0	0	0	0	0	62		18	3.44
10/17/96	Central	pm	8	9	11	3	31	1	7	3	0	11	42		13	3.23
10/17/96	South	pm	14	43	37	20	114	0	0	0	0	0	114	20%	14	8.14
Total												218		45	4.84	
10/17/97	North	pm	1	10	16	1	28	0	0	0	0	0	28		18	1.56
10/16/97	Central	am	2	12	9	0	23	0	5	1	0	6	29		13	2.23
10/15/97	South	pm	5	45	27	3	80	0	0	0	0	0	80		14	5.71
Total												137	-24%	45	3.04	
10/14/98	North	pm	4	5	4	0	13	0	0	0	0	0	13		18	0.72
10/14/98	Central	pm	1	11	14	0	26	0	4	6	0	10	36		13	2.77
10/14/98	South	pm	4	22	20	3	49	0	0	0	0	0	49		14	3.50
Total												98	-46%	45	2.18	
10/13/99	North	pm	1	13	21	1	36	0	0	0	0	0	36		18	2.00
10/14/99	Central	am	0	1	3	0	4	3	8	5	0	16	20		13	1.54
10/14/99	South	am	2	13	17	0	32	0	0	0	0	0	32		14	2.29
Total												88	-51%	45	1.96	
10/18/00	North	pm	1	9	12	0	22	0	6	6	1	13	35		18	1.94
10/17/00	Central	am	1	6	3	0	10	0	3	0	0	3	13		13	1.00
10/16/00	South	pm	0	30	25	0	55	0	0	0	0	0	55		14	3.93
Total												103	-43%	45	2.29	
10/31/01	North	pm	1	12	17	2	32	2	10	7	0	19	51		18	2.83
10/31/01	Central	pm	0	0	0	0	0	1	6	6	0	13	13		13	1.00
10/29/01	South	pm	2	21	21	9	53	0	0	0	0	0	53		14	3.79
Total												117	-35%	45	2.60	
10/15/02	North	pm	4	15	19	0	38	0	5	6	0	11	49		18	2.72
10/15/02	Central	pm	4	8	10	0	22	1	5	1	0	7	29		13	2.23
10/17/02	South	pm	2	27	37	0	66	0	1	0	0	1	67		14	4.79
Total												145	-20%	45	3.22	
10/15/03	North	pm	7	10	12	3	32	1	20	12	2	35	67		18	3.72
10/15/03	Central	pm	1	7	7	0	15	0	5	5	0	10	25		13	1.92
10/17/03	South	pm	9	31	34	0	74	0	0	0	0	0	74		14	5.29
Total												166	-8%	45	3.69	
10/13/04	North	pm	1	17	12	5	35	2	10	6	3	21	56		18	3.11
10/15/04	Central	pm	3	9	9	0	21	2	8	4	0	14	35		13	2.69
10/13/04	South	pm	16	54	34	0	104	0	0	0	0	0	104		14	7.43
Total												195	8%	45	4.33	
10/25/05	North	pm	7	14	11	4	36	0	20	21	2	43	79		18	4.39
10/25/05	Central	pm	3	12	7	0	22	0	12	9	0	21	43		13	3.31
10/25/05	South	pm	13	36	25	0	74	0	1	1	0	2	76		14	5.43
Total												198	9%	45	4.40	
10/19/2006	North	pm	4	18	18	5	45	11	13	16	8	48	93		18	5.17
10/17/2006	Central	pm	4	14	17	0	35	4	4	3	0	11	46		13	3.54
10/19/2006	South	pm	15	20	13	0	48	0	6	3	0	9	57		14	4.07
Total												196	8%	45	4.36	
10/15/07	North	pm	2	8	6	0	16	3	14	17	7	41	57		18	3.17
10/17/07	Central	pm	3	8	7	0	18	3	4	5	0	12	30		13	2.31
10/17/07	South	pm	7	11	12	0	30	0	0	0	0	0	30		14	2.14
Total												117	-35%	45	2.60	
10/22/08	North	pm	4	10	7	5	26	5	22	23	0	50	76		18	4.22
10/22/08	Central	pm	2	3	3	0	8	0	0	0	0	0	8		13	0.62
10/22/08	South	pm	13	30	18	0	61	0	0	0	0	0	61		14	4.36
Total												145	-20%	45	3.22	
10/21/09	North	pm	4	2	1	0	7	8	15	18	6	47	54		18	3.00
10/21/09	Central	pm	0	3	2	0	5	0	1	2	0	3	8		13	0.62
10/21/09	South	pm	12	26	22	0	60	0	7	4	0	11	71		14	5.07
Total												133	-27%	45	2.96	