

Summary of Rapid City Deer Routes, 2011

Each of the three Rapid City deer routes were surveyed once per day during the week of October 17th, 2011. On October 17th and 19th the two routes were run starting at approximately 5pm. On the 21st the route was run in the morning starting at approximately 6:45am. 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, Lauren Dahl, Kris Cudmore and Nick Fees. City Parks department participants were: Jeff Pansch, John Embrock, Lance Ebright, Marc Anderson, and Doug Kroeger

Weather conditions:

- Oct. 17: Daytime high temperature was 55, clear, winds at 10-20mph.
- Oct. 19: Daytime high temperature was 56, clear, winds 5-10 mph
- Oct. 21: Daytime high temperature was 65, clear, winds 5-10 mph.

Moon phase: Waning Gibbous (OCT 17th) to Waning Crescent (OCT 21).

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		
10/17/2011 PM	North	0	7	6		86	3	14	9		64	39	2.17
	Central	0	0	0		#DIV/0!	0	0	0		#DIV/0!	0	0.00
	South	2	5	2		40	1	5	1		20	16	1.14
Totals		2	12	8	0	67	4	19	10	0	53	55	1.22

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		
10/19/2011 PM	North	0	8	5		63	6	17	9		53	45	2.50
	Central	0	0	0		#DIV/0!	0	2	2		100	4	0.31
	South	5	5	4		80	1	2	0		0	17	1.21
Totals		5	13	9	0	69	7	21	11	0	52	66	1.47

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		
10/21/2011 AM	North	0	4	2		50	0	23	11		48	40	2.22
	Central	1	5	1		20	0	0	0		#DIV/0!	7	0.54
	South	2	1	1		100	0	0	0		#DIV/0!	4	0.29
Totals		3	10	4	0	40	0	23	11	0	48	51	1.13

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	0	19	13	0	68	9	54	29	0	54	124	2.30
Central	1	5	1	0	20	0	2	2	0	100	11	0.28
South	9	11	7	0	64	2	7	1	0	14	37	0.88
Totals	10	35	21	0	60	11	63	32	0	51	172	1.27

Rapid City Deer Survey Summary, 1995-Present

Summary of North Route

Year	Mule Deer						Whitetail Deer						Percent Composition		Total Deer Counted	Percent Change	Percent Change From 1995
	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Mule Deer	Whitetail			
1995	8	33	38	6	85	115	0	4	2	0	6	50	93%	7%	91		
1996	11	51	60	3	125	118	0	2	3	0	5	150	96%	4%	130	43%	43%
1997	4	38	29	1	72	76	0	2	1	0	3	50	96%	4%	75	-42%	-18%
1998	4	8	5	0	17	63	0	4	1	0	5	25	77%	23%	22	-71%	-76%
1999	2	22	29	1	54	132	1	7	4	2	14	57	79%	21%	68	209%	-25%
2000	1	21	31	0	53	148	0	14	11	1	26	79	67%	33%	79	16%	-13%
2001	3	28	30	5	66	107	3	15	14	0	32	93	67%	33%	98	24%	8%
2002	15	32	32	9	88	100	2	21	22	1	46	105	66%	34%	134	37%	47%
2003	18	27	21	3	69	78	6	38	24	2	70	63	50%	50%	139	4%	53%
2004	2	37	26	6	71	70	5	27	14	3	49	52	59%	41%	120	-14%	32%
2005	14	34	29	7	84	85	2	40	40	7	89	100	49%	51%	173	44%	90%
2006	10	46	45	11	112	98	13	50	42	17	122	84	48%	52%	234	35%	157%
2007	2	19	20	5	46	105	3	34	42	7	86	124	35%	65%	132	-44%	45%
2008	7	26	18	5	56	69	13	53	47	0	113	89	33%	67%	169	28%	86%
2009	8	11	6	4	29	55	12	36	42	11	101	117	22%	78%	130	-23%	43%
2010	2	24	11	0	37	46	6	74	60	0	140	81	21%	79%	177	36%	95%
2011	0	19	13	0	32	68	9	54	29	0	92	53.7037037	26%	74%	124	-30%	36%

Summary of Central Route

Year	Mule Deer						Whitetail Deer						Percent Composition		Total Deer Counted	Percent Change	Percent Change From 1995
	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Mule Deer	Whitetail			
1995	8	22	23	3	56	105	3	22	17	0	42	77	57%	43%	98		
1996	9	18	22	3	52	122	2	18	5	0	25	28	68%	32%	77	-21%	-21%
1997	5	20	13	0	38	65	0	10	3	1	14	30	73%	27%	52	-32%	-47%
1998	7	26	29	0	62	112	0	10	10	0	20	100	76%	24%	82	58%	-16%
1999	1	3	4	1	9	133	3	14	8	2	27	57	25%	75%	36	-56%	-63%
2000	1	8	5	0	14	63	0	9	4	0	13	44	52%	48%	27	-25%	-72%
2001	4	4	4	1	13	100	1	9	10	0	20	111	39%	61%	33	22%	-86%
2002	10	17	19	0	46	112	3	9	1	0	13	11	78%	22%	59	79%	-40%
2003	4	16	17	0	37	106	0	20	16	0	36	80	51%	49%	73	24%	-26%
2004	6	16	15	0	37	94	4	19	12	0	35	63	51%	49%	72	-1%	-27%
2005	6	32	27	0	65	84	0	26	20	0	46	77	59%	41%	111	54%	13%
2006	10	33	43	2	88	130	8	20	17	0	45	85	66%	34%	133	20%	36%
2007	3	16	16	0	35	100	7	45	19	3	74	42	32%	68%	109	-18%	11%
2008	3	6	7	0	16	117	2	2	2	0	6	100	73%	27%	22	-80%	-78%
2009	0	3	2	0	5	67	0	2	3	0	5	150	50%	50%	10	-55%	-90%
2010	5	6	1	0	12	17	0	2	4	0	6	200	67%	33%	18	80%	-82%
2011	1	5	1	0	7	20	0	2	2	0	4	100	64%	36%	11	-39%	-89%

Summary of South Route

Year	Mule Deer						Whitetail Deer						Percent Composition		Total Deer Counted	Percent Change	Percent Change From 1995
	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Mule Deer	Whitetail			
1995	17	95	96	34	242	101	0	0	0	0	0	0	100%	0%	242		
1996	22	114	87	28	251	76	0	0	0	0	0	0	100%	0%	251	4%	4%
1997	9	87	52	10	158	60	0	2	1	0	3	50	98%	2%	161	-36%	-33%
1998	10	65	38	3	116	58	0	0	0	0	0	0	100%	0%	116	-28%	-52%
1999	6	43	34	1	84	79	0	0	0	0	0	0	100%	0%	84	-28%	-65%
2000	4	57	51	0	112	89	0	0	0	0	0	0	100%	0%	112	33%	-54%
2001	12	48	47	14	121	98	0	0	0	0	0	0	100%	0%	121	8%	-50%
2002	7	58	74	0	139	128	0	2	3	0	5	150	97%	3%	144	19%	-40%
2003	30	80	81	0	191	101	0	0	0	0	0	0	100%	0%	191	33%	-21%
2004	38	107	69	1	215	64	0	0	0	0	0	0	100%	0%	215	13%	-11%
2005	33	96	63	0	192	66	0	1	1	0	2	100	99%	1%	194	-10%	-20%
2006	37	48	36	1	122	75	2	12	11	0	25	92	83%	17%	147	-24%	-39%
2007	18	32	23	0	73	72	1	1	1	0	3	100	96%	4%	76	-48%	-69%
2008	32	61	41	0	134	67	0	0	0	0	0	#DIV/0!	100%	0%	134	76%	-45%
2009	30	48	42	2	122	89	1	10	9	0	20	90	86%	14%	142	6%	-41%
2010	11	27	24	0	62	89	2	2	1	0	5	50	93%	7%	67	-53%	-72%
2011	9	11	7	0	27	64	2	7	1	0	10	14	73%	27%	37	-45%	-85%

Summary of All Routes Combined

Year	Mule Deer						Whitetail Deer						Percent Composition		Total Deer Counted	Percent Change	Percent Change From 1995
	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Bucks	Does	Fawns	Unk	Total	Fawns/100Doe	Mule Deer	Whitetail			
1995	33	150	157	43	383	105	3	26	19	0	48	73	89%	11%	431		
1996	42	183	169	34	428	92	2	20	8	0	30	40	93%	7%	458	6%	6%
1997	18	145	94	11	268	65	0	14	5	1	20	36	93%	7%	288	-37%	-33%
1998	21	99	72	3	195	73	0	14	11	0	25	79	89%	11%	220	-24%	-49%
1999	9	68	67	3	147	99	4	21	12	4	41	57	78%	22%	188	-15%	-56%
2000	6	86	87	0	179	101	0	23	15	1	39	65	82%	18%	218	16%	-49%
2001	19	80	81	20	200	101	4	24	24	0	52	100	79%	21%	252	16%	-42%
2002	32	107	125	9	273	117	5	32	26	1	64	81	81%	19%	337	34%	-22%
2003	52	123	119	3	297	97	6	58	40	2	106	69	74%	26%	403	20%	-6%
2004	46	160	110	7	323	69	9	46	26	3	84	57	79%	21%	407	1%	-6%
2005	53	162	119	7	341	73	2	67	61	7	137	91	71%	29%	478	17%	11%
2006	57	127	124	14	322	98	23	82	70	17	192	85	63%	37%	514	8%	19%
2007	23	67	59	5	154	88	7	46	52	9	114	113	57%	43%	268	-48%	-38%
2008	42	83	66	0	201	71	15	55	49	0	119	89	63%	37%	320	19%	-26%
2009	38	62	50	6	156	81	13	48	54	11	126	113	55%	45%	282	-12%	-35%
2010	18	57	36	0	111	63	8	78	65	0	151	83	42%	58%	262	-7%	-39%
2011	10	35	21	0	66	60	11	63	32	0	106	51	38%	62%	172	-34%	-60%

