2010 - JCR Evaluation Form

SPECIES: Mule Deer | PERIOD: 6/1/2010 - 5/31/2011

HERD: MD534 - GOSHEN RIM

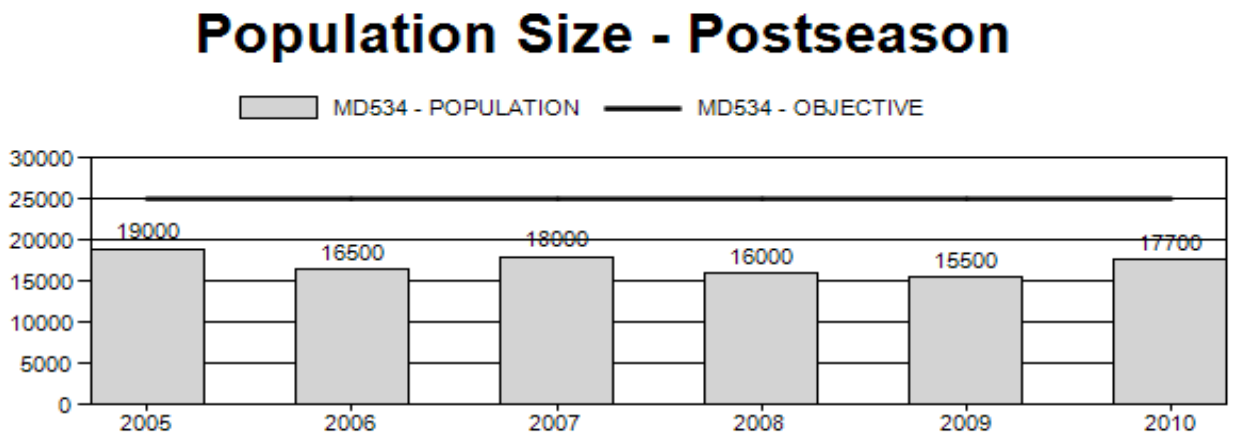
HUNT AREAS: 15-16, 55, 57 | PREPARED BY: MARTIN HICKS

	2005 - 2009 Average	2010	2011 Proposed
Population:	17,000	17,700	17,000
Harvest:	770	857	700
Hunters:	1,562	1,713	1,560
Hunter Success:	49%	50%	45%
Active Licenses:	1,612	1,775	1,612
Active License Percent:	48%	48%	43%
Recreation Days:	6,032	6,450	6,030
Days Per Animal:	7.8	7.5	8.6
Males per 100 Females	34	31	
Juveniles per 100 Females	61	66	

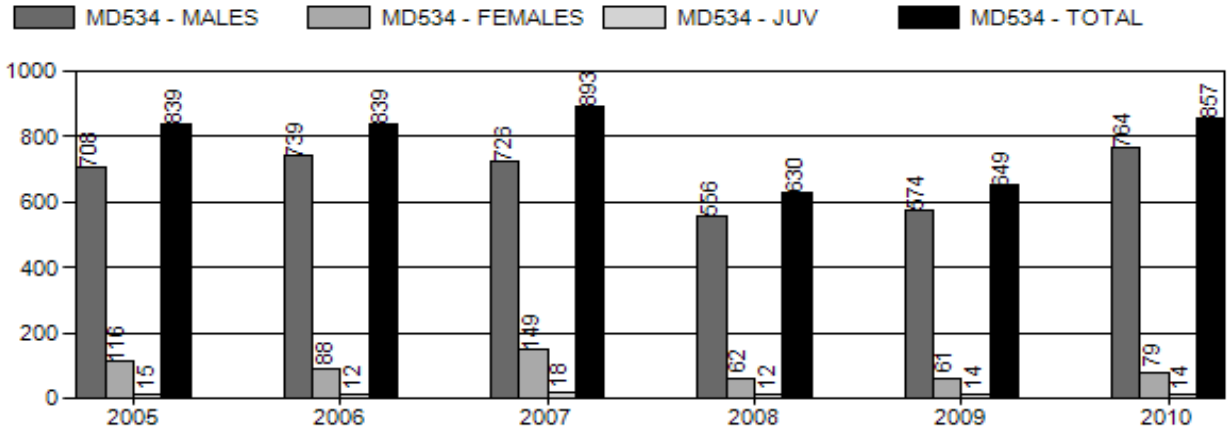
Population Objective:	25,000
Management Strategy:	Recreational
Percent population is above (+) or below (-) objective:	-29.2%
Number of years population has been + or - objective in recent trend:	20
Model Date:	02/16/2011

Proposed harvest rates (percent of pre-season estimate for each sex/age group):

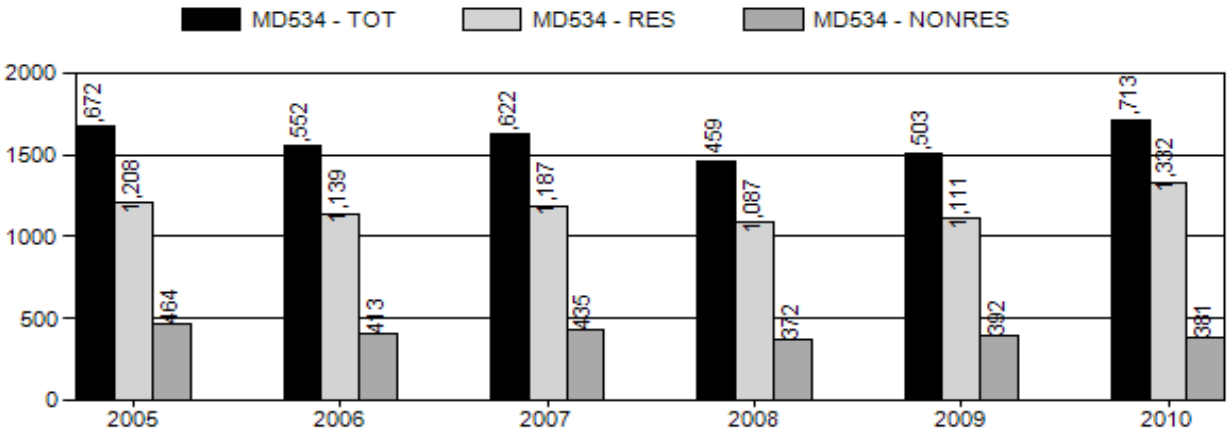
	JCR Year	Proposed
Females ≥ 1 year old:	.9%	.8%
Males ≥ 1 year old:	17.6%	15.6%
Juveniles (< 1 year old):	.2%	.3%
Total:	4.59%	3.91%
Proposed change in post-season population:	-4%	-4%



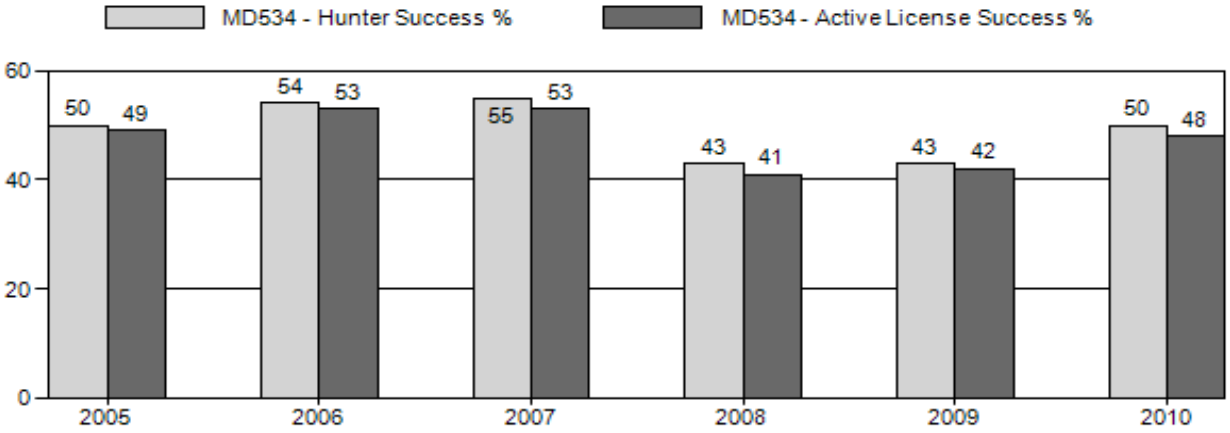
Harvest



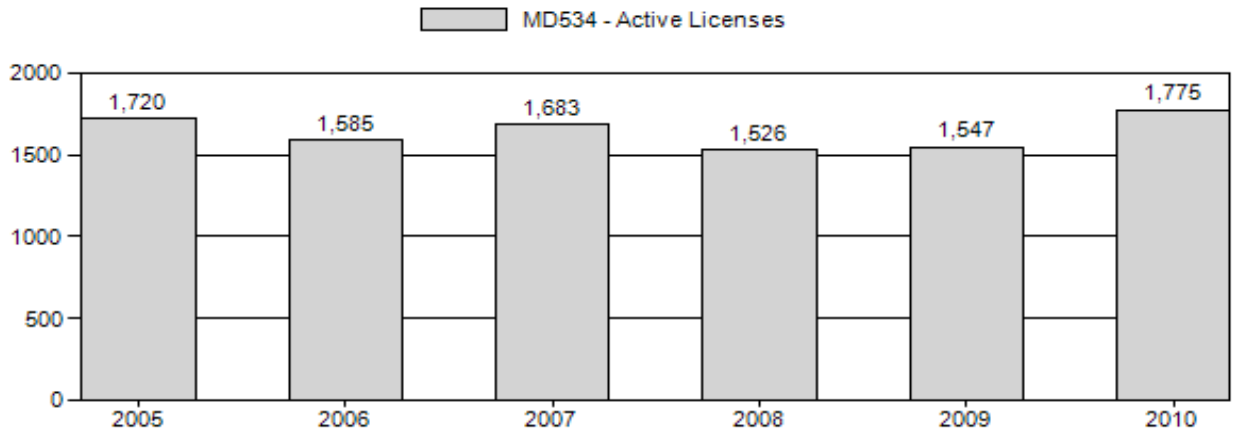
Number of Hunters



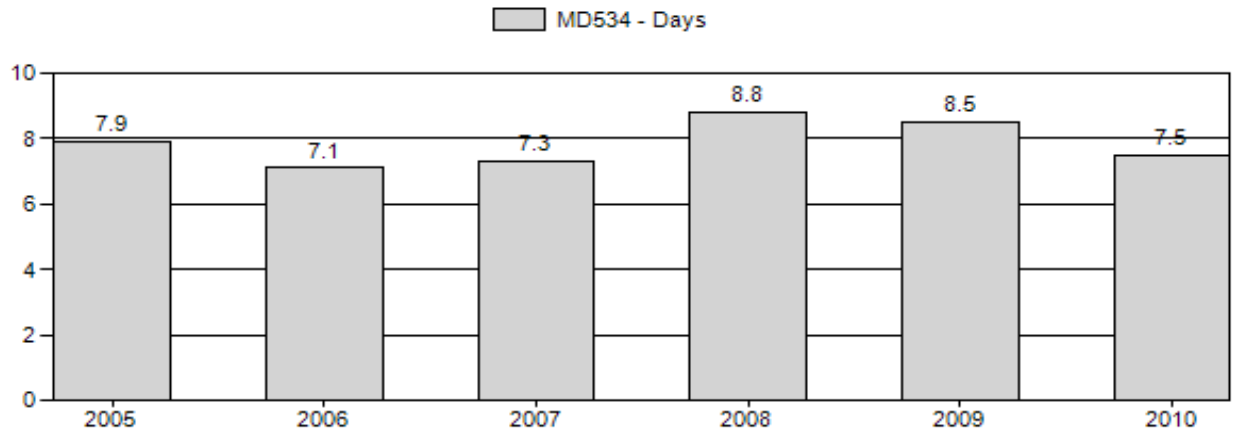
Harvest Success



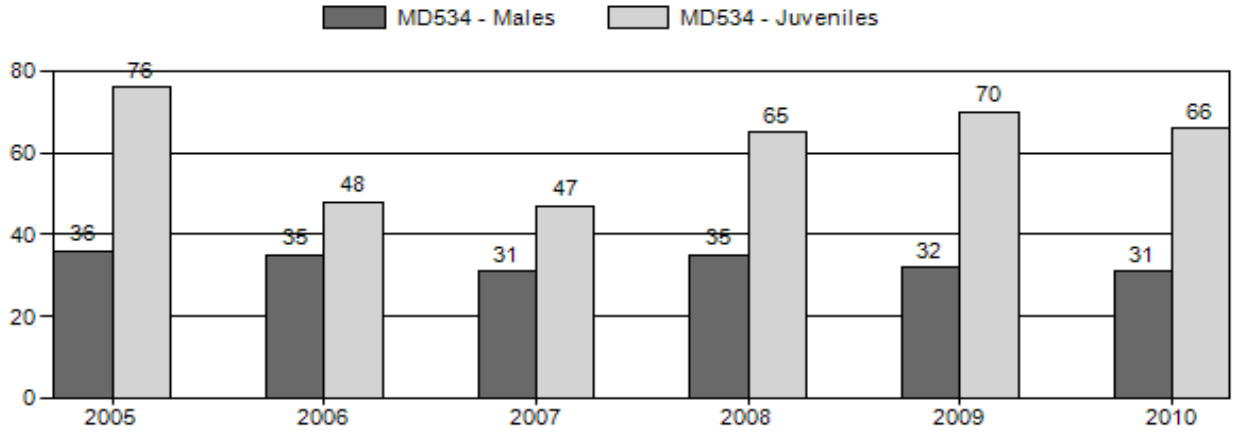
Active Licenses



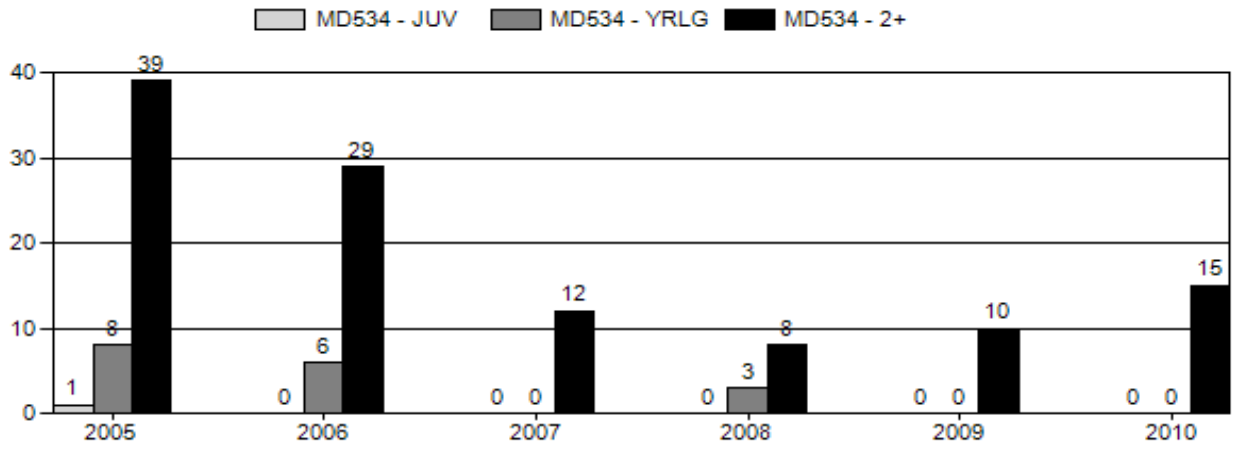
Days per Animal Harvested



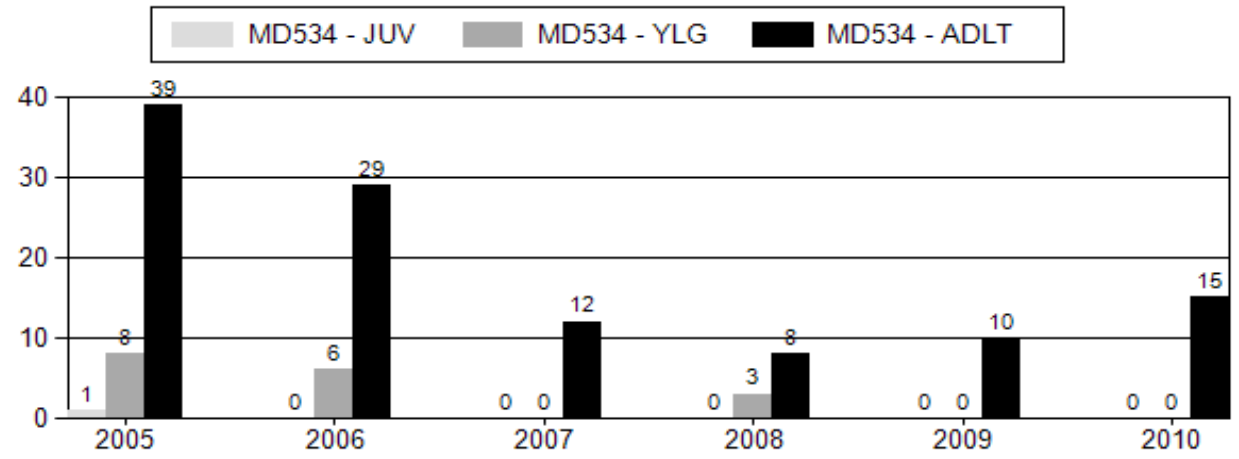
Postseason Animals per 100 Females



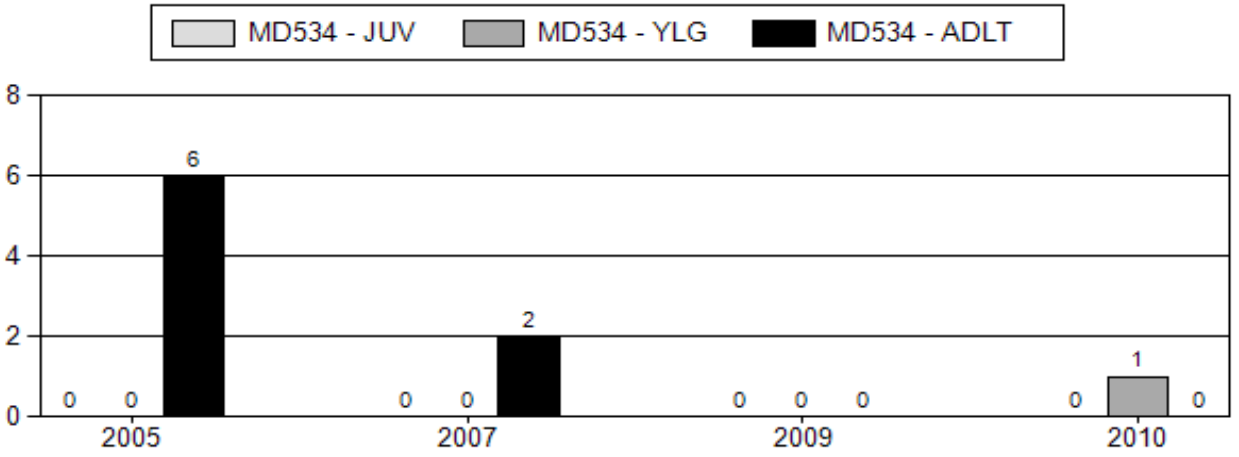
Age Structure of Field Checked Males



Age Structure Data (Field and Laboratory) - Male



Age Structure Data (Field and Laboratory) - Female



2005 - 2010 Postseason Classification Summary

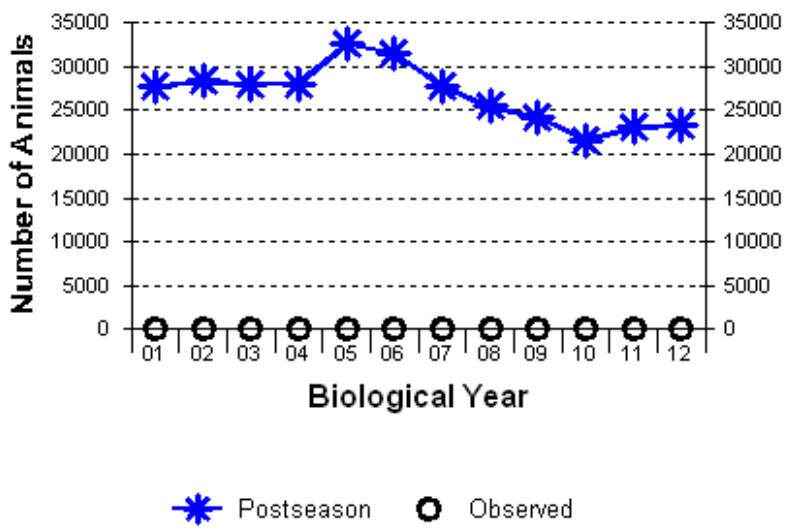
for Mule Deer Herd MD534 - GOSHEN RIM

		MALES				FEMALES		JUVENILES				Males to 100 Females				Young to		
Year	Post Pop	Ylg	Adult	Total	%	Total	%	Total	%	Tot Cls	Cls Obj	Ylng	Adult	Total	Conf Int	100 Fem	Conf Int	100 Adult
2005	19,000	89	177	266	17%	734	47%	561	36%	1,561	1,425	12	24	36	± 3	76	± 5	56
2006	16,500	94	129	223	19%	642	55%	306	26%	1,171	1,325	15	20	35	± 0	48	± 0	35
2007	18,000	57	118	175	17%	566	56%	267	26%	1,008	1,016	10	21	31	± 0	47	± 0	36
2008	16,000	57	106	163	18%	462	50%	299	32%	924	1,143	12	23	35	± 4	65	± 6	48
2009	15,500	44	98	142	16%	442	49%	311	35%	895	1,210	10	22	32	± 4	70	± 6	53
2010	17,700	80	125	205	16%	668	51%	440	34%	1,313	1,123	12	19	31	± 0	66	± 0	50

for Mule Deer Herd MD534 - GOSHEN RIM - Hunt Area ALL

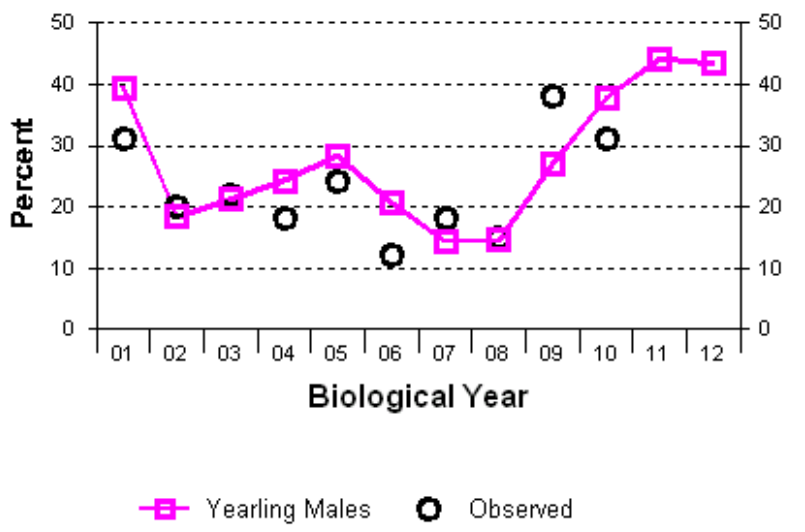
Year	Area	Season Dates	Days	Type	Limitations	Quota	Sold	%
2010	15	09/01 - 09/30	30	ARCH	Refer to Section 3 of this Chapter		0	0%
		10/01 - 10/15	15	GEN	General License; antlered mule deer or any white-tailed deer	0	0	0%
		10/01 - 10/15	15	Type 6	Reduced Price doe/fawn	25	25	100%
	16	10/01 - 10/14	14	GEN	General license; antlered mule deer or any white-tailed deer	0	0	0%
		11/01 - 11/30	30	Type 2	Limited quota; 25 licenses any deer valid in that portion of Area 16 east of U.S. Highway 85 and south of the Tea Kettle Road (Goshen County Road 34) and Goshen County Road 94.	25	25	100%
		11/01 - 11/30	30	Type 6	Limited quota; 25 licenses doe or fawn valid in that portion of Hunt Area 16 east of U.S. Highway 85 and south of the Tea Kettle Road (Goshen County Road 34) and Goshen County Road 94	25	25	100%
	55	09/01 - 09/30	30	ARCH	Refer to Section 3 of this Chapter	0	0	0%
		10/01 - 10/14	14	GEN	antlered mule deer or any white-tailed deer	0	0	0%
		10/01 - 10/14	14	Type 6	Reduced Price doe/fawn	4	4	100%
				Type 6	Reduced Price doe/fawn	4	4	100%
				Type 6	Reduced Price doe/fawn	4	4	100%

POP-II (V1.2.9) Graph 1. Population Size During Bio-Year



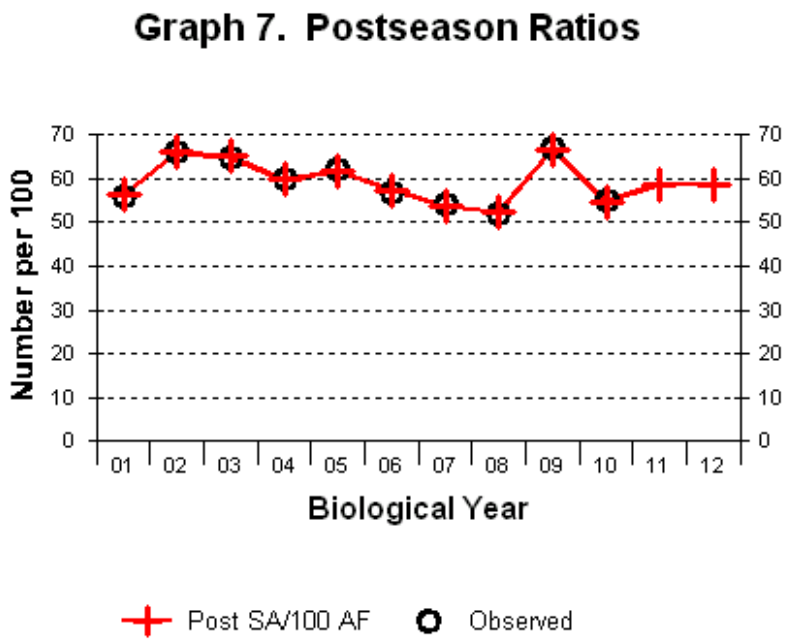
YR	SIM	OBS
01	27818	0
02	28362	0
03	27972	0
04	28096	0
05	32605	0
06	31527	0
07	27689	0
08	25439	0
09	24204	0
10	21627	0
11	23019	0
12	23318	0
	AVERAGES	
of Col.	26806	
of Pair	26806	0

POP-II (V1.2.9) Graph 4. Harvest Percentages



YR	SIM	OBS
01	39	31
02	18	20
03	21	22
04	24	18
05	28	24
06	21	12
07	14	18
08	14	15
09	27	38
10	38	31
11	44	-----
12	43	-----
	AVERAGES	
of Col.	28	
of Pair	25	23

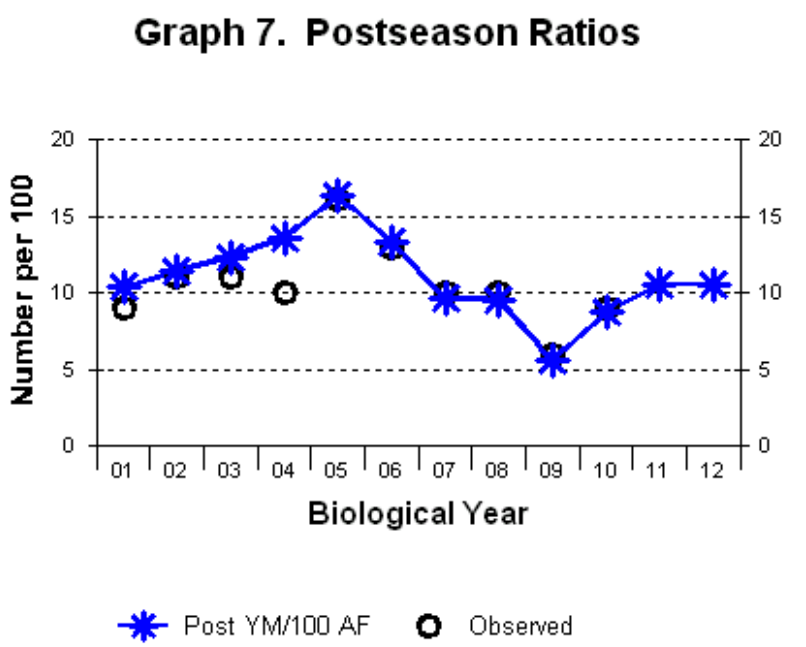
POP-II (V1.2.9) Graph 7. Postseason Ratios



011_SEASON.GN1, 02/25/2011 10:53 pm, Correlation (R) = 0.998, GOF = 0.994

YR	SIM	OBS
01	56	56
02	66	66
03	65	65
04	60	60
05	62	62
06	57	57
07	54	54
08	52	52
09	67	67
10	55	55
11	59	-----
12	59	-----
	AVERAGES	
of Col.	59	
of Pair	59	59

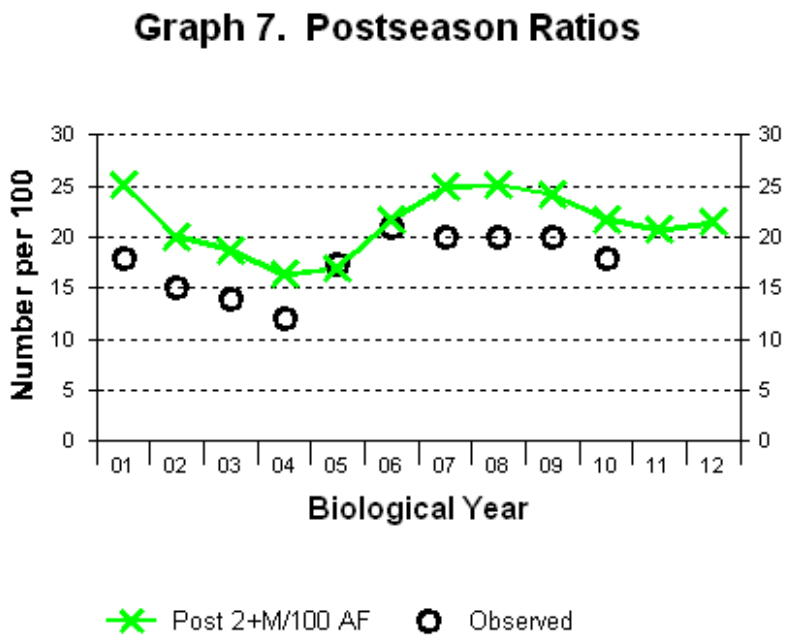
POP-II (V1.2.9) Graph 7. Postseason Ratios



011_SEASON.GN1, 02/25/2011 10:53 pm, Correlation (R) = 0.909, GOF = 0.873

YR	SIM	OBS
01	10	9
02	11	11
03	12	11
04	14	10
05	16	16
06	13	13
07	10	10
08	10	10
09	6	6
10	9	9
11	11	-----
12	11	-----
	AVERAGES	
of Col.	11	
of Pair	11	11

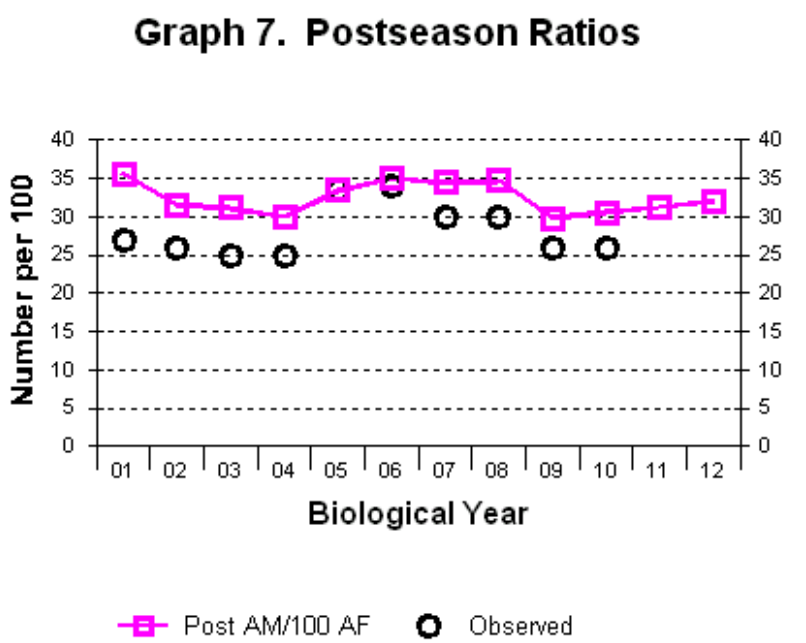
POP-II (V1.2.9) Graph 7. Postseason Ratios



011_SEASON.GN1, 02/25/2011 10:53 pm, Correlation (R) = 0.767, GOF = 0.744

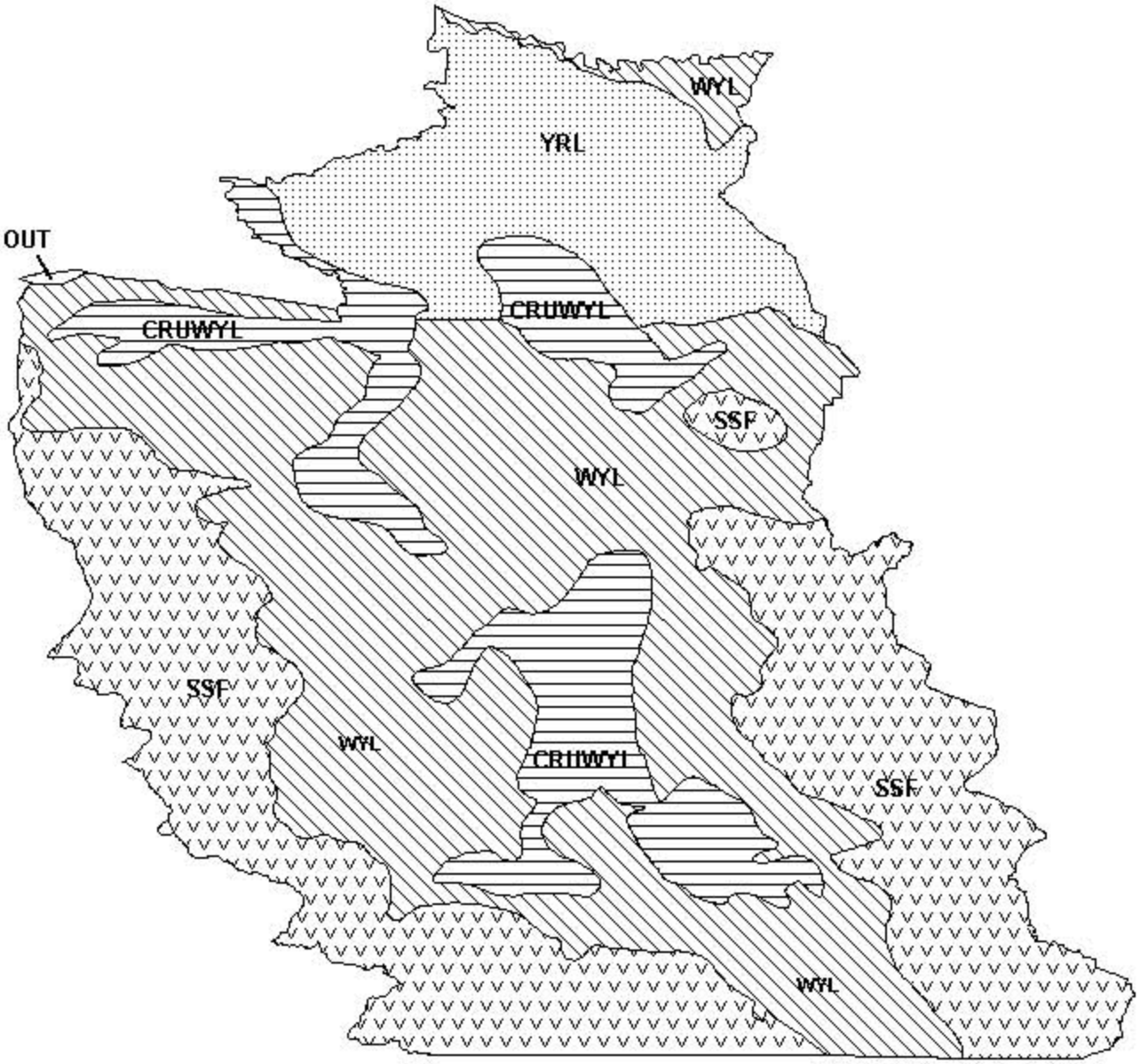
YR	SIM	OBS
01	25	18
02	20	15
03	19	14
04	16	12
05	17	17
06	22	21
07	25	20
08	25	20
09	24	20
10	22	18
11	21	-----
12	21	-----
	AVERAGES	
of Col.	21	
of Pair	21	18

POP-II (V1.2.9) Graph 7. Postseason Ratios



011_SEASON.GN1, 02/25/2011 10:53 pm, Correlation (R) = 0.701, GOF = 0.825

YR	SIM	OBS
01	36	27
02	32	26
03	31	25
04	30	25
05	33	33
06	35	34
07	34	30
08	35	30
09	30	26
10	31	26
11	31	-----
12	32	-----
	AVERAGES	
of Col.	32	
of Pair	33	28



Mule Deer (MD541) - Platte Valley
HA 78-81, 83, 161
Revised - 12/87