

# 2006 JOB COMPLETION REPORT

SPECIES : Pronghorn  
 HERD UNIT : CARTER LEASE  
 HERD UNIT # : 419  
 HUNT AREAS : 94,98,100

PERIOD COVERED : 06/01/2006 - 05/31/2007  
 WYOMING PROJECT NO. : W-27-R  
 PREPARED BY : RON LOCKWOOD

	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>
<b>1. PREHUNT SEX AND AGE RATIO COUNT (per 100 females)</b>					
Juveniles	59	76	85	85	65
Males	50	67	60	69	69
Yearling Males	15	17	21	27	27
Mature Males	34	50	39	42	43
Total Sample Size	1,668	1,609	1,512	1,760	2,047
Adequate Sample Size	1,746	2,626	2,962	3,151	2,325

<b>2. HARVEST</b>					
Adult Males	436	434	455	544	602
Yearling Males	0	0	0	0	0
Total Males	436	434	455	544	602
Females	386	316	415	468	733
Juveniles	52	58	77	112	110
Totals	874	808	947	1,124	1,445

	#	%	#	%	#	%	#	%	#	%
<b>3. AGE STRUCTURE OF FIELD CHECKED ANIMALS</b>										
Juvenile Female	1	2	1	3	0		2	4	1	1
Yearling Female	5	10	1	3	0		3	6	4	5
Adult Female	22	43	7	20	20	65	10	19	41	50
Juvenile Male	1	2	1	3	4	13	3	6	6	7
Yearling Male	2	4	0		0		7	13	2	2
Adult Male	20	39	25	71	7	23	29	54	28	34
Total Sample Size	51		35		31		54		82	

<b>4. POSTHUNT SEX AND AGE RATIO COUNT (per 100 females)</b>					
Juveniles	0	0	0	0	0
Males	0	0	0	0	0
Yearling Males	0	0	0	0	0
Mature Males	0	0	0	0	0
Total Sample Size	0	0	0	0	0
Adequate Sample Size	0	0	0	0	0

<b>5. POPULATION TRENDS</b>					
Trend Count Dates:					
Trend Count:	0	0	0	0	0
Herd Model Pop Est:	8,350	8,750	8,950	9,200	8,400
Line Trans Pop Est:	8,385	0	9,013	0	0

# SEX AND AGE COUNT REPORT

SPECIES : Pronghorn

HERD UNIT : CARTER LEASE

YEAR : 2006

PREPARED BY : RON LOCKWOOD

**PREHUNT CLASSIFICATION      DATES : AUGUST**

Hunt Area	----- MALES -----			Females	Juveniles	Total
	Yearlings	Adults	Total			
<b>100</b>	67	107	174	221	184	579
<b>94</b>	144	200	344	567	284	1,195
<b>98</b>	24	65	89	86	98	273
<b>Total Sample</b>	235	372	607	874	566	2,047
<b>Adequate Sample</b>			689	992	643	2,325
<b>Precision</b>	<b>@ 90 C.L.</b>					

**Juveniles / 100 Females : 65 ± 5**  
**Total Males / 100 Females : 69 ± 5**  
**Adult Males / 100 Females : 43**  
**Yearlings / 100 Females : 27**

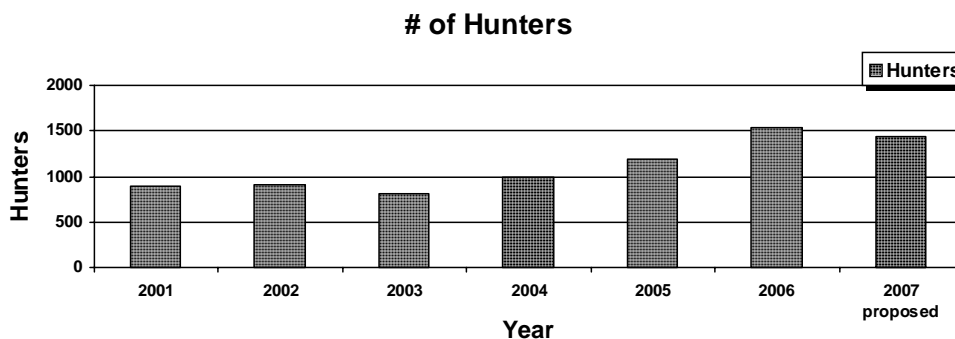
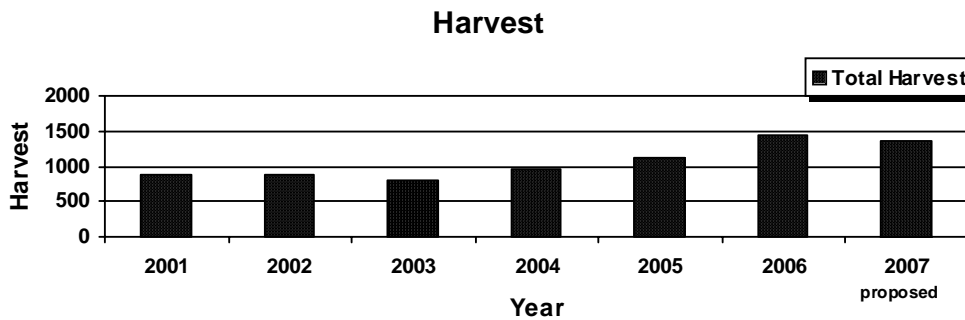
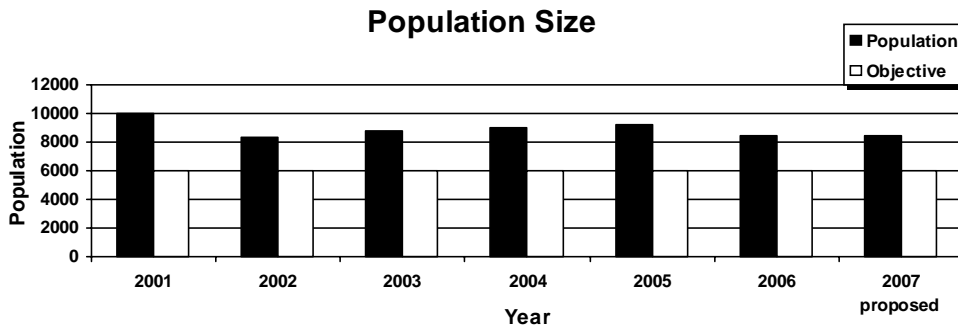
SPECIES : Pronghorn

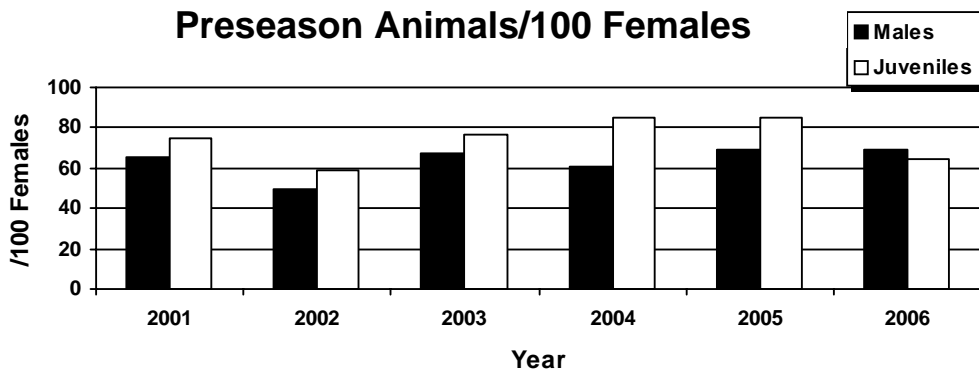
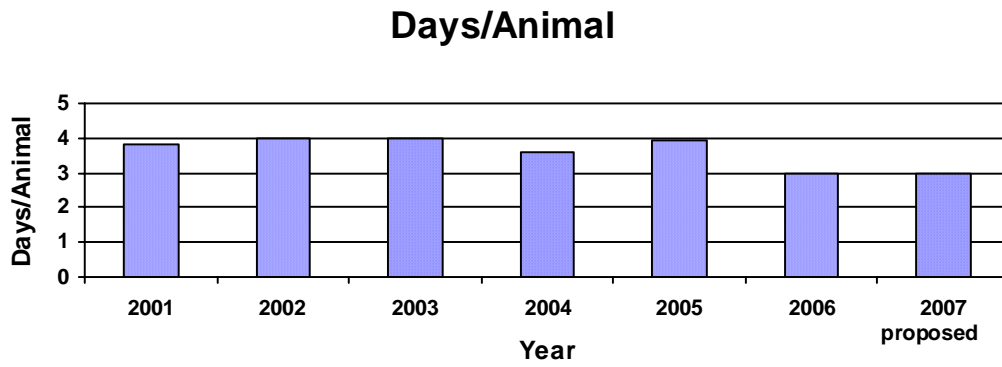
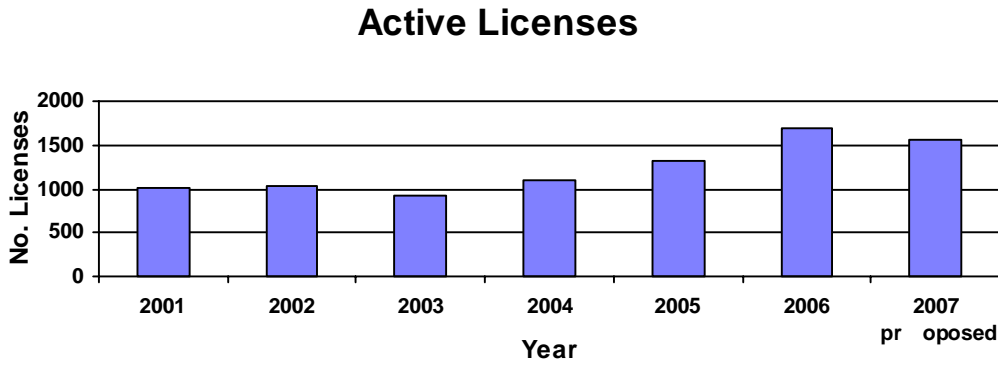
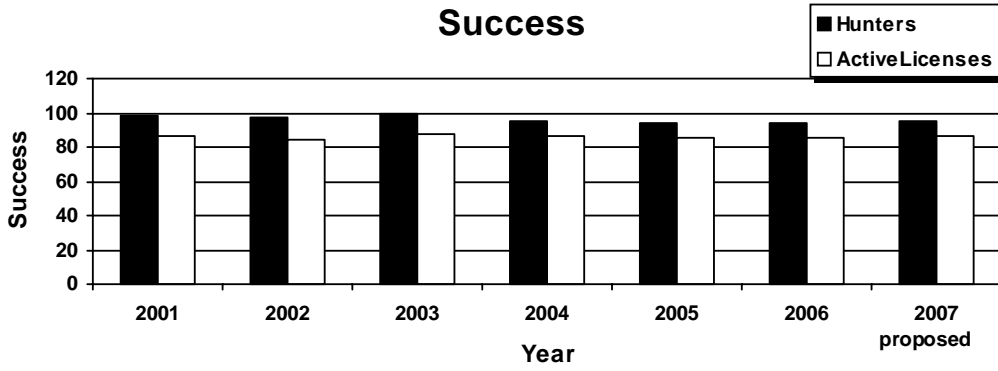
MODEL DATE : 3/2/06

HERD UNIT : CARTER LEASE

YEAR : 2006

	Averages 2001 - 2005	2006	Proposed 2007	Objective
Population (Est.)	9,060	8,400	8,500	6,000
Harvest	927	1,445	1,354	
Hunters	959	1,529	1,430	
Hunter Success	96.6%	94.5%	94.7%	
Active Licenses	1,077	1,699	1570	
Active Licenses Success	86.1%	85.1%	86.2%	
Recreation Days	3,589	4,331	4,000	
Days/Animal	3.9	3.0	3.0	





## 2006 AGE STRUCTURE OF FIELD CHECKED ANIMALS

SPECIES : PRONGHORN  
 HERD UNIT : CARTER LEASE

PREPARED BY : RON LOCKWOOD

Hunt Area	Sex	Young	1+	2+	3+	4+	5+	6+	7+	Older	Unaged Adults *	Total
<b>100</b>	<b>Male</b>	1	0	1	0	4	0	0	0	0	1	7
	<b>Female</b>	0	0	0	0	0	0	0	0	0	4	4
<b>94</b>	<b>Male</b>	1	2	1	1	6	0	0	0	0	3	14
	<b>Female</b>	1	4	4	0	3	0	0	0	0	15	27
<b>98</b>	<b>Male</b>	4	0	1	0	10	0	0	0	0	0	15
	<b>Female</b>	0	0	2	1	3	0	0	0	0	9	15
<b>Totals :</b>	<b>Male</b>	6	2	3	1	20	0	0	0	0	4	36
	<b>Female</b>	1	4	6	1	6	0	0	0	0	28	46

\* Unaged animals older than yearlings

**Total Aged :** 82

# HARVEST REPORT

SPECIES **PRONGHORN**

HERD UNIT : **CARTER LEASE**

YEAR : **2006**

PERIOD COVERED :

Prepared By : **RON LOCKWOOD**

Hunt Area	License Type	L.Q. Licenses	No. Hunters	Ylg. Males	Adult Males	Females	Juveniles	Total	Percent Success	Days/Animal Taken
	<b>Resident</b>	0	108	0	63	24	0	87	80.6	2.8
<b>100</b>	<b>Non-Resident</b>	0	163	0	19	130	17	166	101.8	3.0
	<b>Total</b>	0	271	(318)*	82	154	17	253	93.4 ( 79.6 )*	2.9
	<b>Resident</b>	0	544	0	317	145	8	470	86.4	3.5
<b>94</b>	<b>Non-Resident</b>	0	372	0	87	292	34	413	111.0	2.2
	<b>Total</b>	0	916	(984)*	404	437	42	883	96.4 ( 89.7 )*	2.9
	<b>Resident</b>	0	133	0	84	14	12	110	82.7	3.6
<b>98</b>	<b>Non-Resident</b>	0	209	0	32	128	39	199	95.2	3.4
	<b>Total</b>	0	342	(397)*	116	142	51	309	90.4 ( 77.8 )*	3.5
	<b>Resident</b>	0	785	0	464	183	20	667	85.0	3.4
<b>Total</b>	<b>Non-Resident</b>	0	744	0	138	550	90	778	104.6	2.7
	<b>Total</b>	0	1,529	(1699)*	602	733	110	1,445	94.5 ( 85.1 )*	3.0

\* Active Licenses

# 2006 HUNTING SEASON

SPECIES : Pronghorn

HERD UNIT : CARTER LEASE

## HUNT

AREA	TYPE	SEASON DATES	LIMITATIONS
94	1	9/10 -10/14	Limited quota; 500 licenses any antelope
	6	9/10 -10/14	Limited quota; 400 licenses doe or fawn
	7	9/10 -10/14	Limited quota; 200 licenses doe or fawn valid only in that portion of Area 94 on irrigated lands.
98	1	9/10 -10/14	Limited quota; 150 licenses any antelope
	6	9/10 -10/14	Limited quota; 300 licenses doe or fawn
100	1	9/10 -10/14	Limited quota; 100 licenses any antelope
	6	9/10 -10/14	Limited quota; 300 licenses doe or fawn
Archery		8/15 - 8/31	Refer to section 3

## 2007 PROPOSED HUNTING SEASON

SPECIES : **Pronghorn**

HERD UNIT :

**CARTER LEASE**

### HUNT

HUNT AREA	TYPE	SEASON DATES	LIMITATIONS
94	1	9/10 -10/14	Limited quota; 500 licenses any antelope
	6	9/10 -10/14	Limited quota; <b>200</b> licenses doe or fawn
	7	9/10 -10/14	Limited quota; <b>300</b> licenses doe or fawn valid only in that portion of Area 94 on irrigated lands.
98	1	9/10 -10/14	Limited quota; 150 licenses any antelope
	6	9/10 -10/14	Limited quota; 300 licenses doe or fawn
100	1	9/10 -10/14	Limited quota; 100 licenses any antelope
	6	9/10 -10/14	Limited quota; 300 licenses doe or fawn
Archery		8/15	Refer to section 3

The Carter Lease herd has an objective of 6,000 pronghorns. The herd is managed with two objectives. Hunt area 94 is to be managed for 4,000 pronghorns and areas 98 and 100 have an objective of 1,000 pronghorns. Fawn ratios have been very high in recent years. We observed 76:100 in 2003, 89:100 in 2004, 85:100 in 2005. Due to drought conditions, the 2006 pre-season ratio dropped to 65:100 in the DAU. All of the decline was observed in hunt area 94 where the observed ratio was 50:100. Ratios in hunt area 98 were 113:100 and in hunt area 100 the fawn ratio was 83:100.

If reproductive rates remain high it will be difficult to maintain this population near objective. This is especially true in hunt areas 98 and 100 where the desired number is approximately 1,000 antelope (<1 pronghorn per mi<sup>2</sup>). In past years, as the population increased, tags were increased. However, due to low pronghorn densities hunter success is usually lower than adjacent areas. As success declines demand for licenses and harvest decreases, allowing for population increase. During the 2006 season hunter success on doe/fawn tags was only 75% in hunt areas 98 and 100.

During the 2006 season pronghorn tags were increased by 500 from the number that were issued during the 2005 season. The proposal for 2007 will be similar to 2006. In hunt areas 98 and 100 tag numbers will remain the same. In Hunt Area 94 the current model indicates that this portion of the herd unit is under the objective of 5,000 pronghorns. However, in light of continued drought managers were reluctant to increase the population in this segment. If the desired harvest is achieved the model indicates the post-season population will be approximately 4,400 pronghorns in Hunt Area 94. Drought conditions in Area 94 continue to concentrate pronghorns on private lands. To focus more harvest on private lands the proposed 2007 season will decrease Type 6 tags by 200 but increase Type 7 tags by 100. This results in an overall decrease of 100 tags for this DAU when compared to 2006. 2007 proposed seasons should result in a harvest of around 1,350 pronghorns.

## CARTER LEASE ANTELOPE USING 14 AGE CLASSES

Data from 1984 to 2007

Simulation from 1996 to 2007

Age Class	Init Pop. Prop.		Presn Mort%		Postsn Mort%		Effort Set 1		Effort Set 2	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0	1570.0	1570.0	50.0	50.0	45.0	45.0	1.00	1.00	1.00	1.00
1	700.0	700.0	5.0	3.0	7.0	5.0	0.20	1.00	1.00	1.00
2	475.0	580.0	2.0	2.0	5.0	5.0	0.50	1.00	1.00	1.00
3	270.0	400.0	2.0	2.0	5.0	5.0	0.70	1.00	1.00	1.00
4	135.0	350.0	2.0	2.0	5.0	5.0	1.00	1.00	1.00	1.00
5	67.0	300.0	2.0	2.0	5.0	5.0	1.00	1.00	1.00	1.00
6	47.0	270.0	2.0	2.0	10.0	10.0	1.00	1.00	1.00	1.00
7	34.0	202.0	2.0	2.0	20.0	15.0	1.00	1.00	1.00	1.00
8	13.0	101.0	2.0	2.0	30.0	20.0	1.00	1.00	1.00	1.00
9	17.0	67.0	2.0	2.0	50.0	25.0	1.00	1.00	1.00	1.00
10	0.0	40.0	2.0	2.0	75.0	30.0	1.00	1.00	1.00	1.00
11	0.0	27.0	2.0	2.0	100.0	40.0	1.00	1.00	1.00	1.00
12	0.0	13.0	2.0	2.0	100.0	60.0	1.00	1.00	1.00	1.00
13	0.0	7.0	2.0	2.0	100.0	80.0	1.00	1.00	1.00	1.00
14	0.0	1.0	2.0	2.0	100.0	100.0	1.00	1.00	1.00	1.00
Sum =		7956.0	Estimated Sum =		5700	Subadults: Ages 0 to 0				

Bio-Year	Preseason MSI	MSI Function is Linear			Postseason MSI	Effort & Wound Set Used
		Harvest Subadults#	Des. Pop Males#	Size in NA Females#		
1984	1.00	12	741	164	1.00	1
1985	1.00	23	290	212	1.10	1
1986	1.00	56	417	638	0.80	1
1987	1.00	140	617	632	1.00	1
1988	1.00	66	762	852	1.20	1
1989	1.00	121	812	704	0.70	1
1990	1.00	164	805	859	0.80	1
1991	1.00	174	1102	1354	1.10	1
1992	1.00	211	1619	1939	1.90	1
1993	1.00	72	1413	1040	0.80	1
1994	1.00	13	333	74	1.30	1
1995	1.00	13	333	143	1.10	1
1996	0.57	0	115	5	0.92	1
1997	0.75	11	128	39	1.00	1
1998	0.73	16	187	67	0.55	1
1999	0.64	15	242	167	1.20	1
2000	1.33	35	360	384	1.35	1
2001	1.02	12	216	132	1.20	1
2002	1.40	24	286	194	1.50	1
2003	1.09	27	292	97	0.80	1
2004	0.64	24	297	134	0.80	1
2005	0.63	41	349	255	0.80	1
2006	1.22	42	404	443	0.70	1
2007	1.00	20	404	300	1.00	1
Set 1 Wounding Loss		10.0%	10.0%	10.0%	Yearling Male 10.0%	
Set 1 Wounding Loss		10.0%	10.0%	10.0%	Yearling Male 10.0%	

Bio- Year	Young/100 Fems Age 1 - 1	Young/100 Fems Age 2 - 14	Young/100 Fems Disabled	Sex Ratio: 50 : 50
1985	0.0	160.0	0.0	
1986	0.0	160.0	0.0	
1987	0.0	160.0	0.0	
1988	0.0	160.0	0.0	
1989	0.0	160.0	0.0	
1990	0.0	160.0	0.0	
1991	0.0	160.0	0.0	
1992	0.0	160.0	0.0	
1993	0.0	160.0	0.0	
1994	0.0	160.0	0.0	
1995	0.0	160.0	0.0	
1996	0.0	160.0	0.0	
1997	0.0	160.0	0.0	
1998	0.0	160.0	0.0	
1999	0.0	160.0	0.0	
2000	0.0	160.0	0.0	
2001	0.0	160.0	0.0	
2002	0.0	160.0	0.0	
2003	0.0	160.0	0.0	
2004	0.0	160.0	0.0	
2005	0.0	160.0	0.0	
2006	0.0	160.0	0.0	
2007	0.0	160.0	0.0	
2008	0.0	0.0	0.0	

Table 1. Population Size During Bio-Year for AHA94.GN1 02/27/2007 12:40 pm

Bio-Year	Start	Pre-Season	Post Season	End	%Growth
1996	5700	5008	4876	3980	25.9
1997	7174	5903	5707	4524	11.8
1998	8017	6660	6363	5639	20.0
1999	9618	8251	7785	5842	6.6
2000	10250	7130	6274	4886	-13.1
2001	8911	6747	6351	4862	-4.0
2002	8557	5809	5255	3987	-13.8
2003	7378	5435	4978	4184	-0.5
2004	7339	6263	5763	4711	9.6
2005	8044	6918	6208	5084	7.6
2006	8654	6317	5339	4647	-5.6
2007	8172	6298	5502	4360	-46.6

Table 3. Harvest Mortality for AHA94.GN1 02/27/2007 12:40 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	% of Pop
1996	0	115	5	120	2.4
1997	11	128	39	178	3.0
1998	16	187	67	270	4.1
1999	15	242	167	424	5.1
2000	35	360	384	779	10.9
2001	12	216	132	360	5.3
2002	24	286	194	504	8.7
2003	27	292	97	416	7.7
2004	24	297	134	455	7.3
2005	41	349	255	645	9.3
2006	42	404	443	889	14.1
2007	20	404	300	724	11.5

Table 4. Harvest Percentages for AHA94.GN1 02/27/2007 12:40 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	Yearling Males
1996	0.0	9.3	0.2	2.40	15.7
1997	0.6	8.7	1.6	3.02	11.1
1998	0.7	10.6	2.5	4.05	10.3
1999	0.6	10.6	5.1	5.14	12.4
2000	2.4	15.1	11.7	10.92	7.9
2001	0.6	10.6	4.8	5.34	3.8
2002	2.2	14.1	7.2	8.68	5.8
2003	1.8	17.7	4.3	7.65	2.6
2004	1.1	17.5	5.5	7.26	8.1
2005	1.8	18.2	9.4	9.32	11.5
2006	3.0	19.6	15.5	14.07	11.8
2007	1.1	20.9	11.5	11.50	7.5

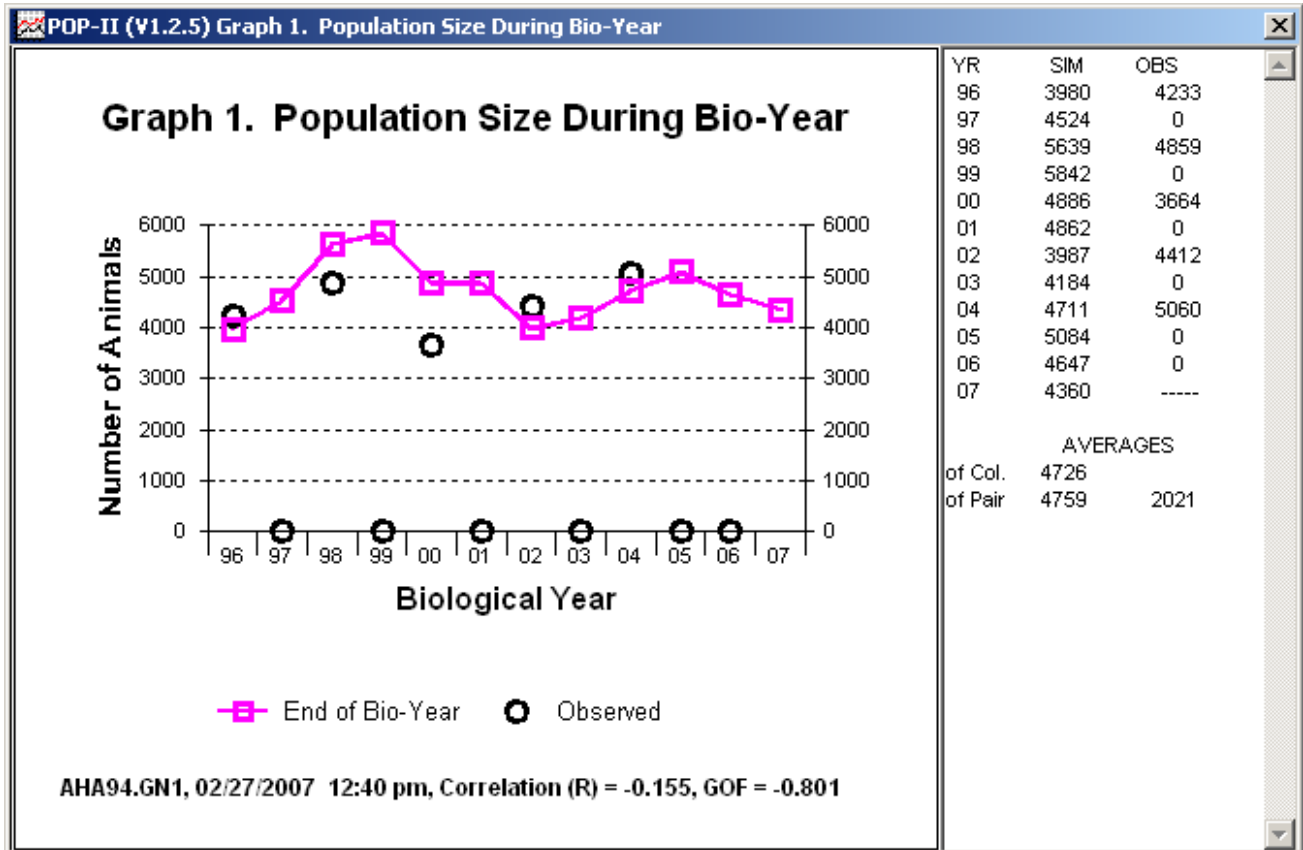
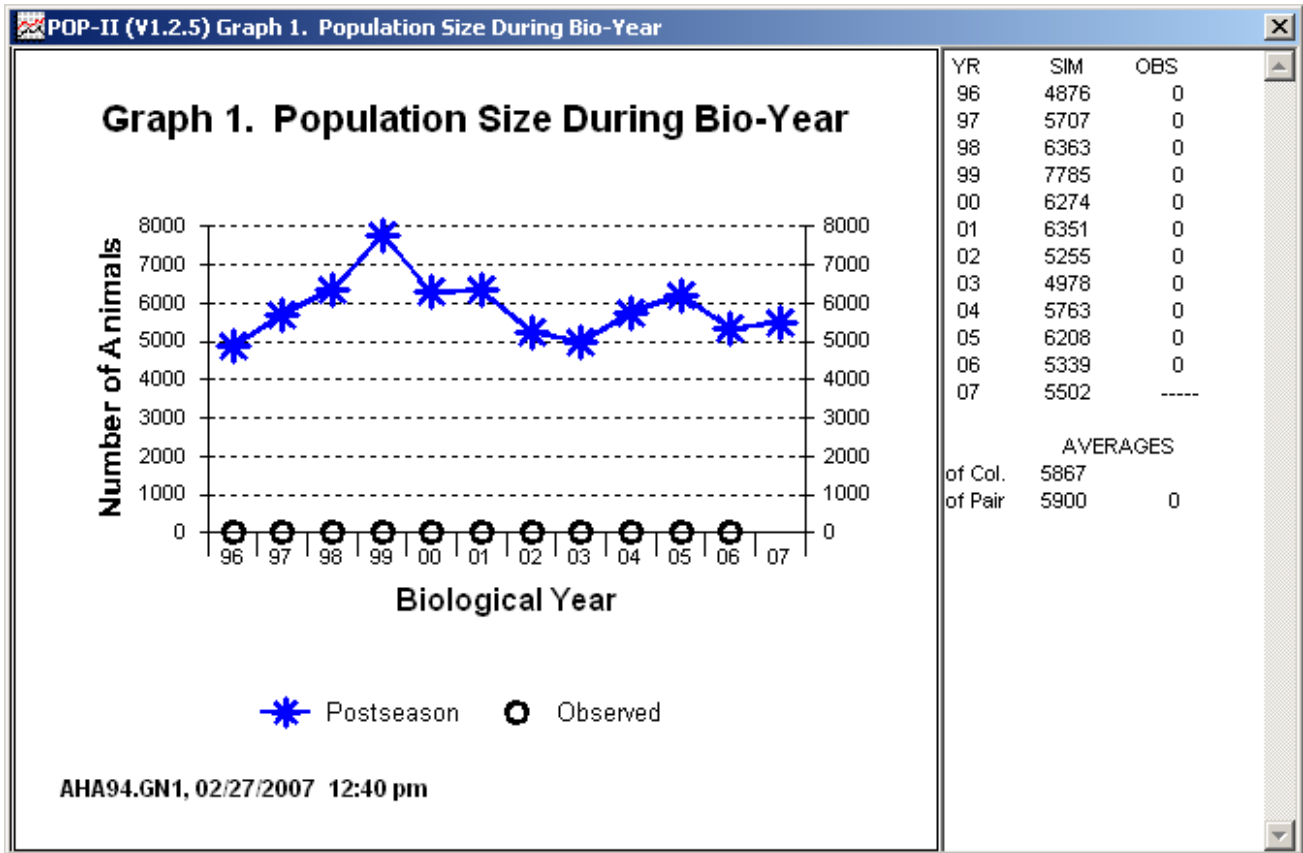
Table 6. Preseason Ratios for AHA94.GN1 02/27/2007 12:40 pm

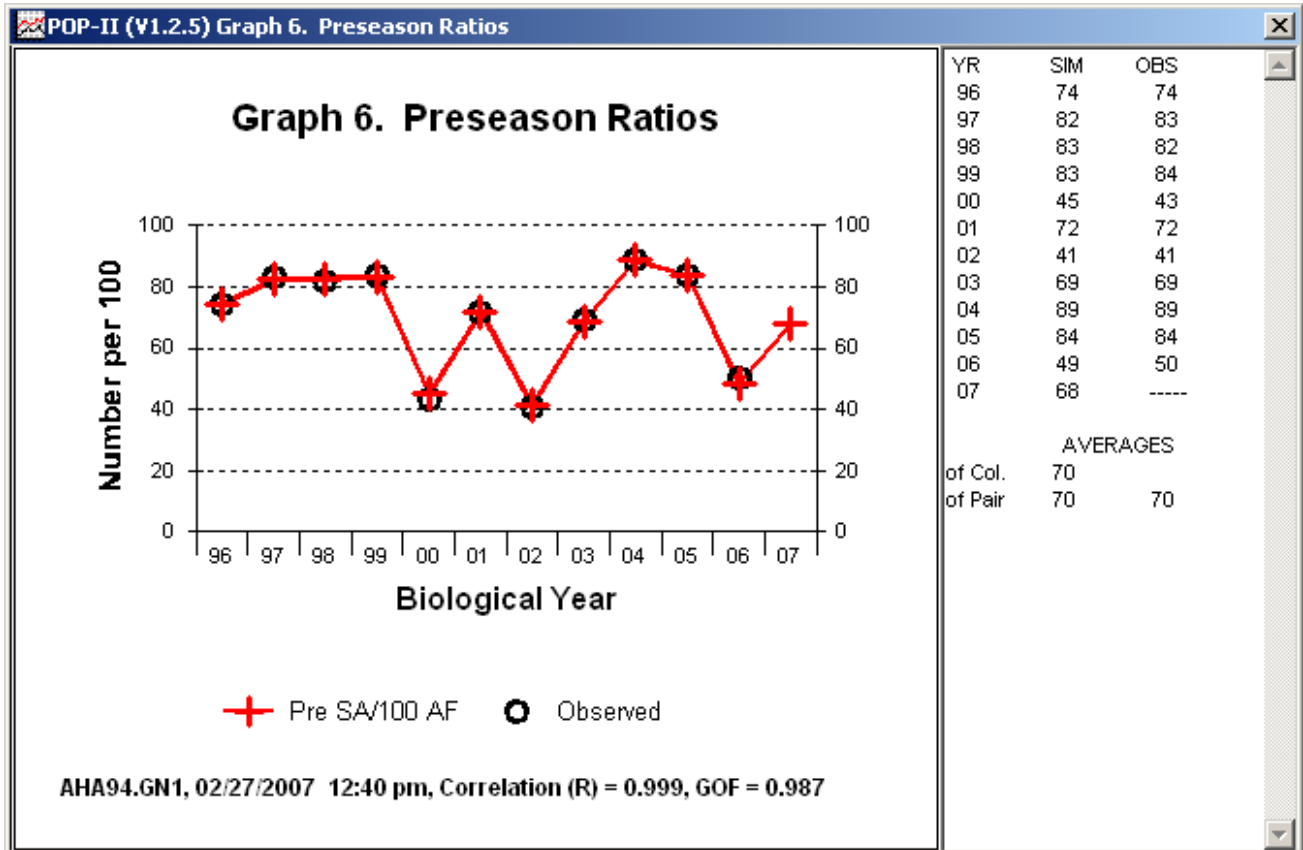
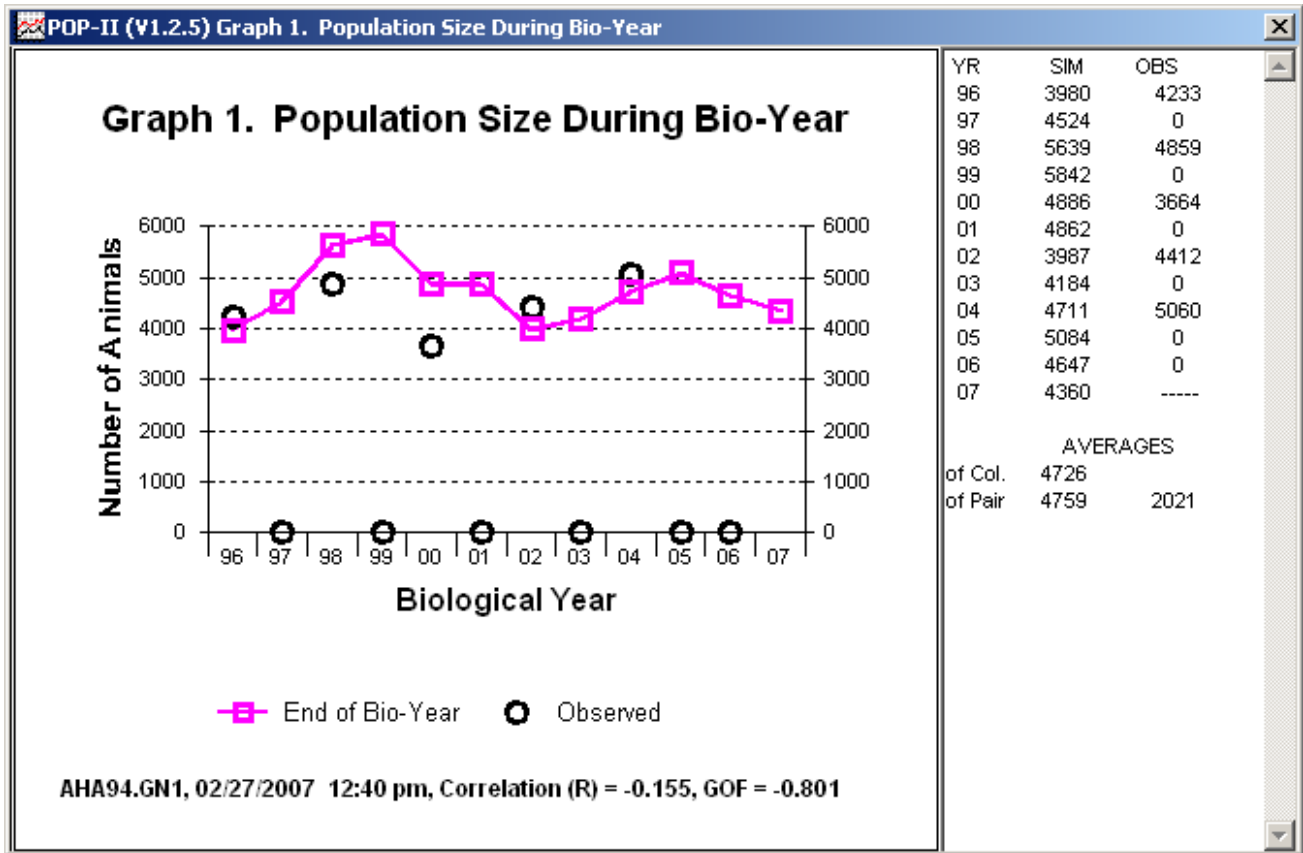
Bio-Year	Subadults /100 1+F	2+ Males /100 1+F	Yr. Males /100 1+F	Ad Males /100 1+F
1996	74.4	34.6	22.5	57.2

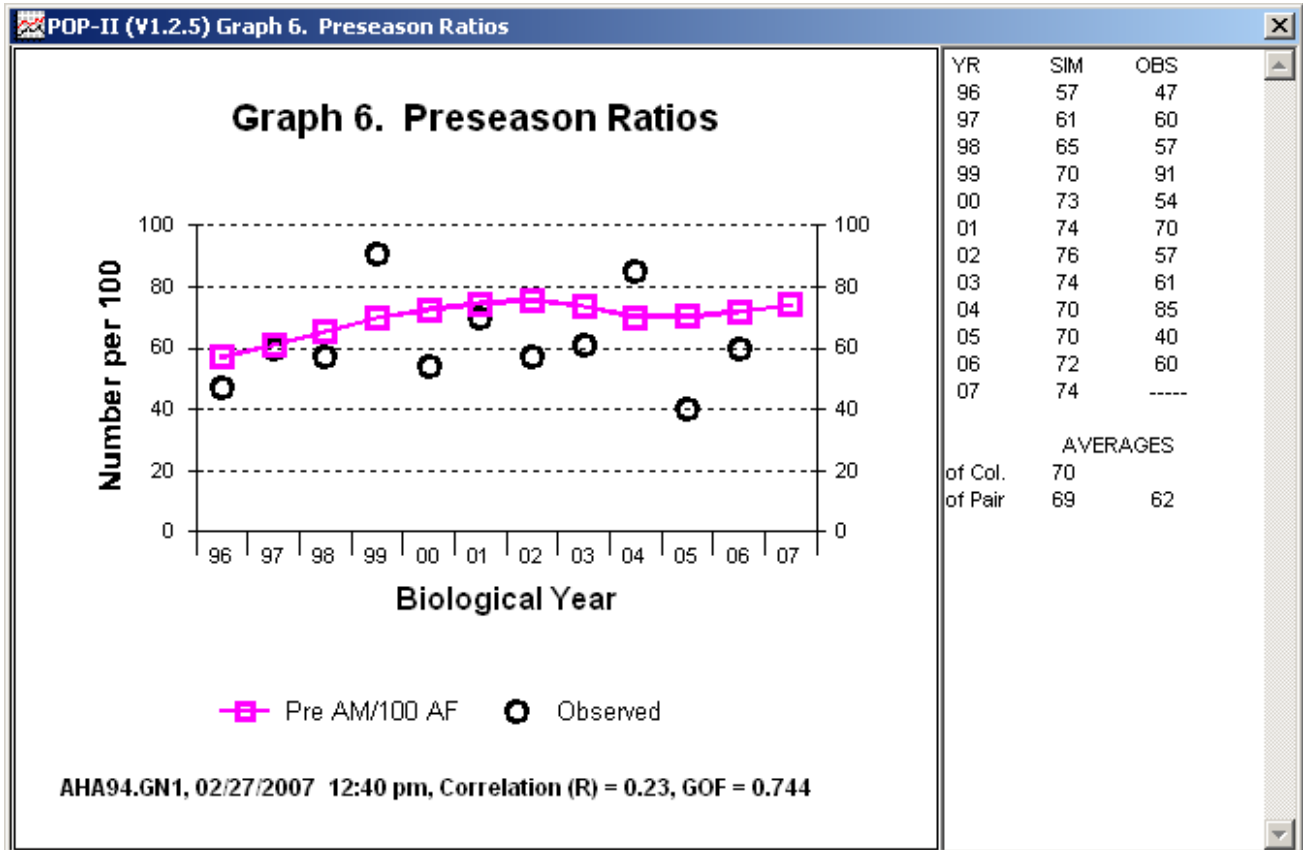
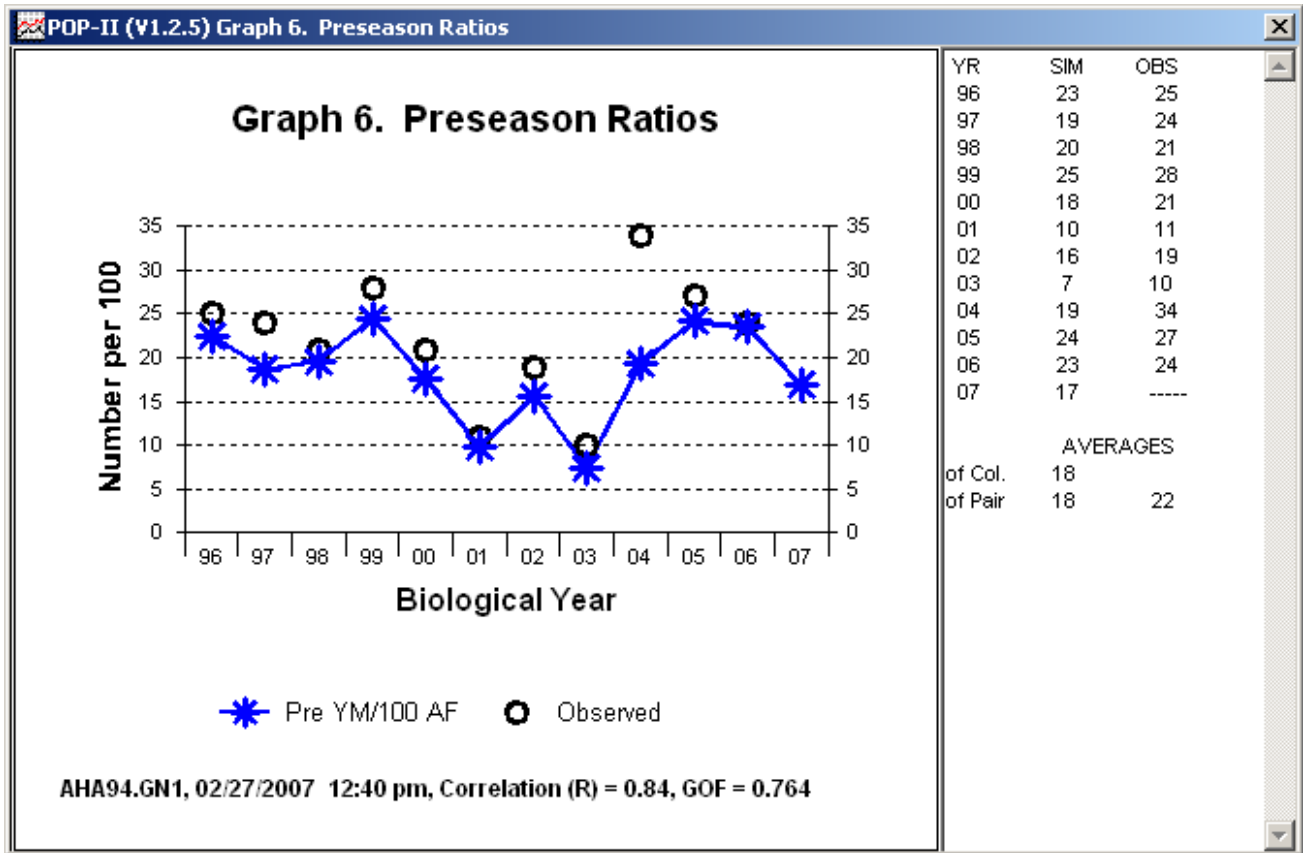
1997	82.3	42.2	18.7	60.9
1998	82.6	45.9	19.6	65.5
1999	82.8	45.2	24.5	69.7
2000	45.1	55.0	17.6	72.6
2001	72.0	64.6	9.8	74.4
2002	41.4	60.0	15.7	75.6
2003	68.8	66.1	7.4	73.6
2004	88.6	50.8	19.4	70.1
2005	83.9	46.2	24.1	70.3
2006	48.6	48.4	23.5	71.8
2007	67.6	57.3	16.8	74.1

Table 9. Reproduction at Start of Bio-Year for AHA94.GN1 02/27/2007 12:40 pm

Bio-Year	Young / 100 AF 1 +	Sub-Ad. / 100 AF 1 +	Total Young	Total Sub- Adult	Total Females 1 +
1996	103	103	2250	2250	2191
1997	129	129	3194	3194	2468
1998	128	128	3493	3493	2729
1999	120	120	3979	3979	3315
2000	131	131	4408	4408	3374
2001	144	144	4025	4025	2798
2002	134	134	3695	3695	2760
2003	148	148	3390	3390	2295
2004	128	128	3154	3154	2455
2005	121	121	3332	3332	2761
2006	121	121	3570	3570	2947
2007	132	132	3524	3524	2664







Data from 1984 to 2010

Simulation from 1998 to 2007

Age Class	Init Pop. Prop.		Presn Mort%		Postsn Mort%		Effort Set 1		Effort Set 2	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0	1860.0	1860.0	50.0	50.0	45.0	45.0	1.00	0.40	1.00	1.00
1	830.0	850.0	2.0	2.0	7.0	5.0	0.20	1.00	1.00	1.00
2	600.0	700.0	2.0	2.0	5.0	5.0	0.50	1.00	1.00	1.00
3	270.0	550.0	2.0	2.0	5.0	5.0	0.70	1.00	1.00	1.00
4	135.0	400.0	2.0	2.0	5.0	5.0	1.00	1.00	1.00	1.00
5	67.0	300.0	2.0	2.0	5.0	5.0	1.00	1.00	1.00	1.00
6	47.0	200.0	2.0	2.0	10.0	10.0	1.00	1.00	1.00	1.00
7	34.0	175.0	2.0	2.0	20.0	15.0	1.00	1.00	1.00	1.00
8	13.0	80.0	2.0	2.0	30.0	20.0	1.00	1.00	1.00	1.00
9	0.0	50.0	2.0	2.0	50.0	25.0	1.00	1.00	1.00	1.00
10	0.0	30.0	2.0	2.0	75.0	30.0	1.00	1.00	1.00	1.00
11	0.0	15.0	2.0	2.0	100.0	40.0	1.00	1.00	1.00	1.00
12	0.0	8.0	2.0	2.0	100.0	60.0	1.00	1.00	1.00	1.00
13	0.0	3.0	2.0	2.0	100.0	80.0	1.00	1.00	1.00	1.00
14	0.0	0.0	2.0	2.0	100.0	100.0	1.00	1.00	1.00	1.00
Sum =		9077.0	Estimated Sum =		13400	Subadults: Ages 0 to 0				

Bio-Year	Preseason MSI	MSI Function is Linear			Postseason MSI	Effort & Wound Set Used
		Harvest Subadults#	Des. Pop Males#	Size in NA Females#		
1984	1.00	27	340	0	1.00	1
1985	1.00	38	293	236	1.20	1
1986	1.00	67	445	389	0.75	1
1987	1.00	100	443	550	0.85	1
1988	1.00	70	646	451	1.10	1
1989	1.00	162	447	555	1.20	1
1990	1.00	59	428	304	0.80	1
1991	1.00	129	645	359	1.00	1
1992	1.00	25	468	266	1.00	1
1993	1.00	46	333	483	1.20	1
1994	0.59	13	333	74	1.30	1
1995	0.73	13	306	125	1.10	1
1996	0.65	51	280	310	1.30	1
1997	0.66	54	283	273	1.25	1
1998	0.50	53	361	376	0.88	1
1999	0.84	84	486	471	1.20	1
2000	1.22	82	693	897	1.10	1
2001	0.90	63	438	376	1.50	1
2002	1.16	52	434	374	1.00	1
2003	0.88	58	434	316	1.15	1
2004	0.65	77	455	415	0.89	1
2005	0.60	112	544	468	0.80	1
2006	0.99	110	602	733	0.90	1
2007	0.80	115	542	400	1.00	1
Set 1 Wounding Loss		10.0%	10.0%	10.0%	Yearling Male	10.0%
Set 1 Wounding Loss		10.0%	10.0%	10.0%	Yearling Male	10.0%

Bio- Year	Young/100 Fems Age 1 - 1	Young/100 Fems Age 2 - 14	Young/100 Fems Disabled	Sex Ratio: 50 : 50
1985	0.0	160.0	0.0	
1986	0.0	160.0	0.0	
1987	0.0	160.0	0.0	
1988	0.0	160.0	0.0	
1989	0.0	160.0	0.0	
1990	0.0	160.0	0.0	
1991	0.0	160.0	0.0	
1992	0.0	160.0	0.0	
1993	0.0	160.0	0.0	
1994	0.0	160.0	0.0	
1995	0.0	160.0	0.0	
1996	0.0	160.0	0.0	
1997	0.0	160.0	0.0	
1998	0.0	160.0	0.0	
1999	0.0	160.0	0.0	
2000	0.0	160.0	0.0	
2001	0.0	160.0	0.0	
2002	0.0	160.0	0.0	
2003	0.0	160.0	0.0	
2004	0.0	160.0	0.0	
2005	0.0	160.0	0.0	
2006	0.0	160.0	0.0	
2007	0.0	160.0	0.0	
2008	0.0	160.0	0.0	

Table 1. Population Size During Bio-Year for A419A.GN1 02/23/2007 12:46 pm

Bio-Year	Start	Pre-Season	Post Season	End	%Growth
1998	13400	11948	11079	9051	17.9
1999	15802	12815	11670	8953	1.4
2000	16022	11492	9652	7793	-13.0
2001	13934	11030	10065	7087	-8.6
2002	12740	9297	8351	6842	-5.3
2003	12062	9645	8756	6697	-3.2
2004	11675	9970	8929	7158	2.6
2005	11974	10444	9207	7593	5.7
2006	12655	9999	8400	6922	-7.1
2007	11762	9715	8553	6791	-2.2

Table 3. Harvest Mortality for A419A.GN1 02/23/2007 12:46 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	% of Pop
1998	53	361	376	790	6.6
1999	84	486	471	1041	8.1
2000	82	693	897	1672	14.5
2001	63	438	376	877	8.0
2002	52	434	374	860	9.3
2003	58	434	316	808	8.4
2004	77	455	415	947	9.5
2005	112	544	468	1124	10.8
2006	110	602	733	1445	14.5
2007	115	542	400	1057	10.9

Table 4. Harvest Percentages for A419A.GN1 02/23/2007 12:46 pm

Bio-Year	Sub-Adults	Adult Males	Adult Females	Total	Yearling Males
1998	1.3	12.4	7.7	6.61	17.5
1999	2.1	13.7	8.8	8.12	13.0
2000	3.0	19.5	17.3	14.55	8.0
2001	1.9	13.6	8.5	7.95	6.2
2002	2.2	14.8	9.4	9.25	5.0
2003	2.0	15.0	8.2	8.38	6.1
2004	2.3	16.0	11.0	9.50	7.0
2005	3.3	17.5	11.8	10.76	10.0
2006	4.3	18.2	17.9	14.54	10.3
2007	4.0	17.4	10.8	10.88	7.3

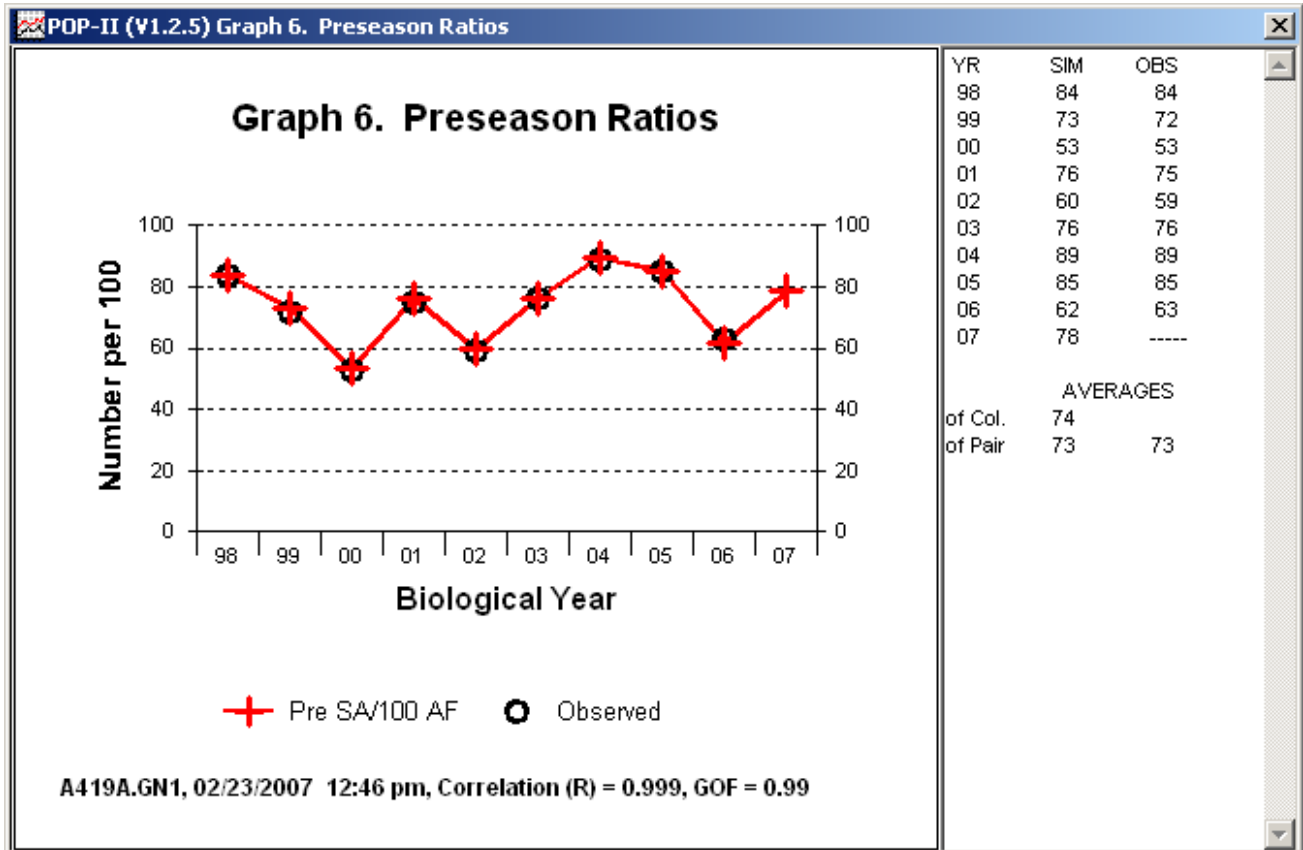
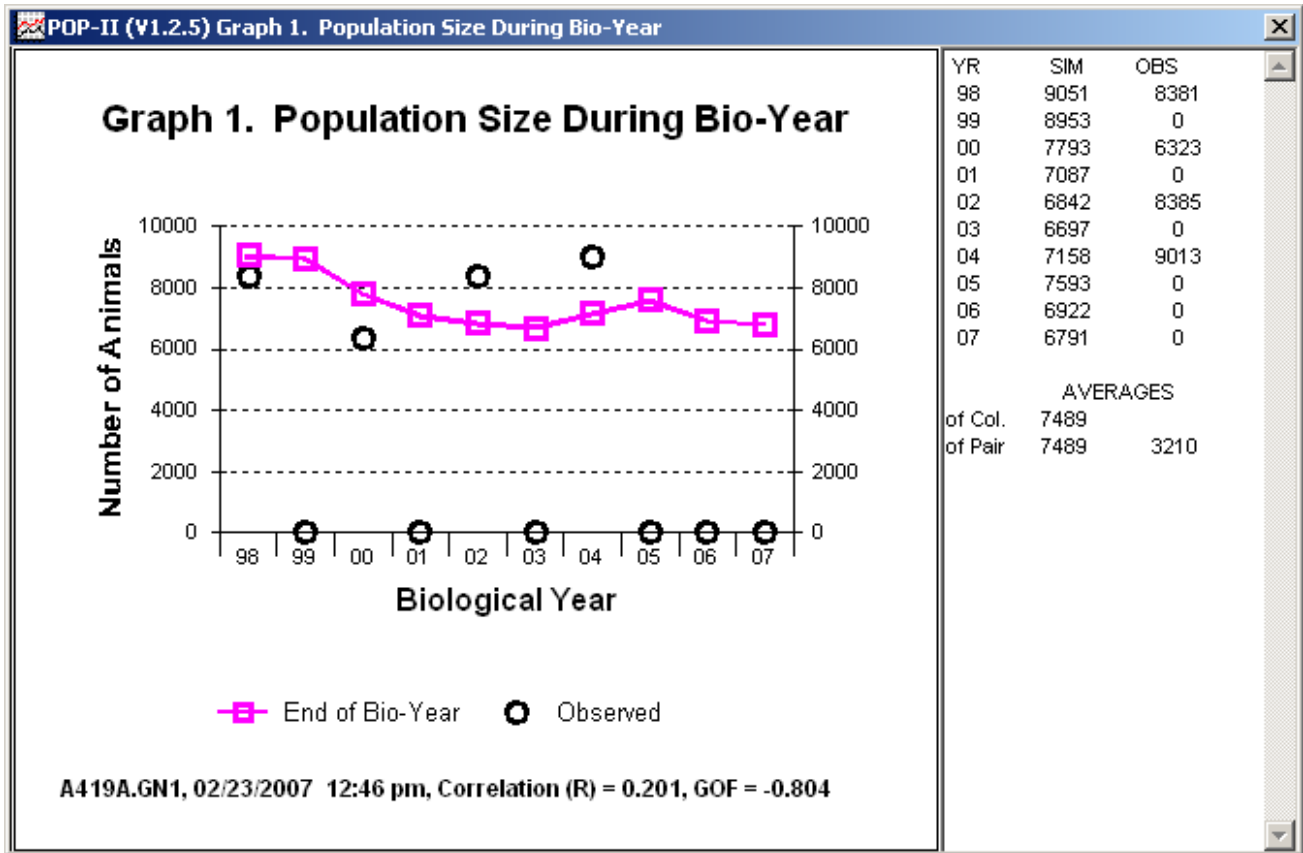
Table 6. Preseason Ratios for A419A.GN1 02/23/2007 12:46 pm

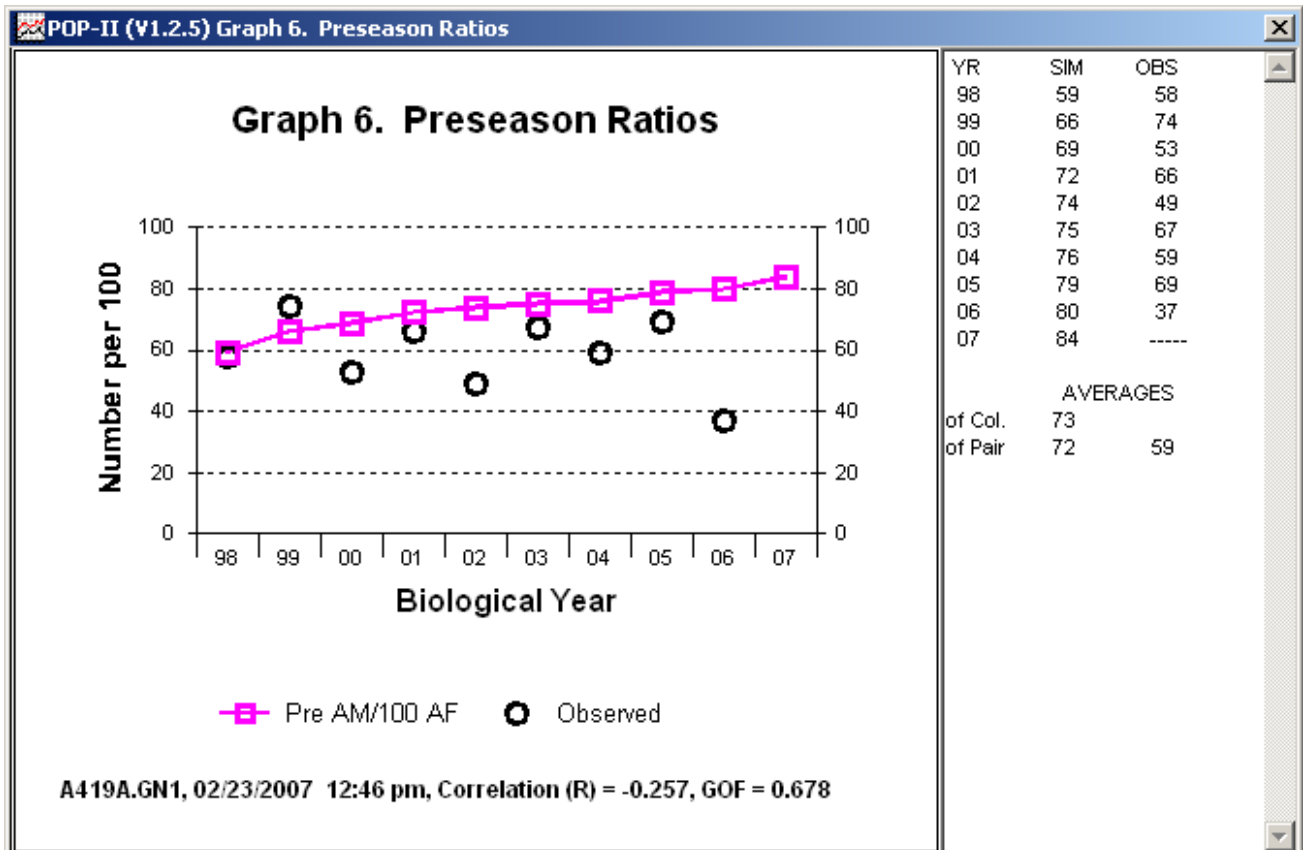
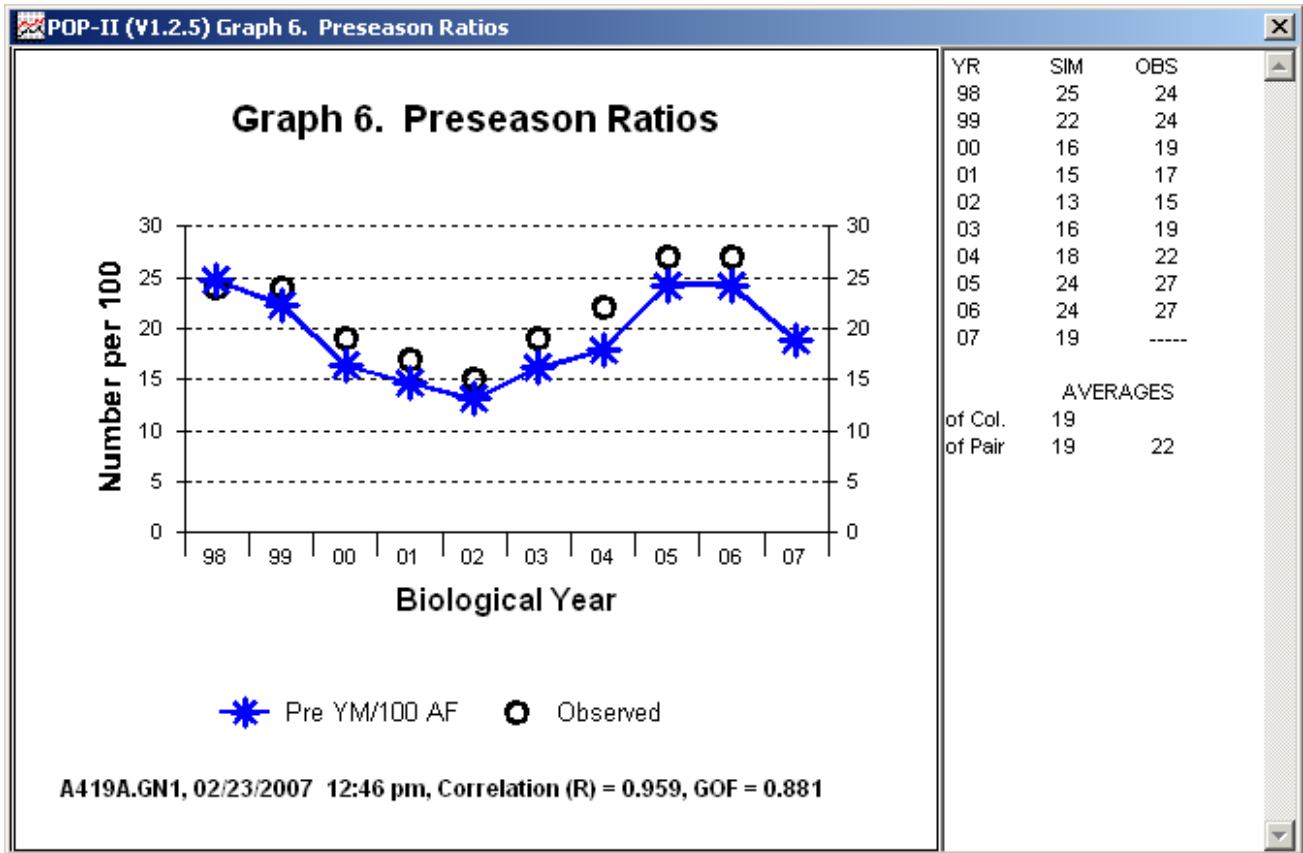
Bio-Year	Subadults /100 1+F	2+ Males /100 1+F	Yr. Males /100 1+F	Ad Males /100 1+F
1998	83.8	34.7	24.7	59.4
1999	73.0	43.6	22.3	66.0
2000	53.3	52.3	16.4	68.7
2001	76.1	57.7	14.7	72.4
2002	59.6	60.8	13.1	73.9
2003	76.2	59.0	16.1	75.2
2004	89.4	57.9	17.9	75.9

2005	85.2	54.5	24.3	78.8
2006	61.8	55.7	24.2	79.9
2007	78.4	65.0	18.8	83.9

Table 9. Reproduction at Start of Bio-Year for A419A.GN1 02/23/2007 12:46 pm

Bio- Year	Young / 100 AF 1 +	Sub-Ad. / 100 AF 1 +	Total Young	Total Sub- Adult	Total Females 1 +
1998	111	111	5492	5492	4962
1999	124	124	6751	6751	5453
2000	133	133	7068	7068	5306
2001	136	136	6141	6141	4521
2002	139	139	5653	5653	4075
2003	134	134	5219	5219	3906
2004	131	131	4978	4978	3808
2005	120	120	4817	4817	4003
2006	120	120	5063	5063	4221
2007	129	129	4839	4839	3765





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