

**COLORADO ROCKY MOUNTAIN BIGHORN SHEEP
2008 POSTHUNT POPULATION ESTIMATES - DRAFT 12/18/08**

Includes nonresident licenses (or underline)

2009 License Decrease

2009 License Increase

Units With Public Hunting Seasons

													Licenses (Includes RFW Licenses) ◊												Harvest								
		Population Estimate					Estimate Basis *			2006		2007		2008		2009 Recommended		2005		2006		2007											
UNIT	Notes	UNIT NAME	Region	Population Estimate					Estimate Basis *			Archery		Rifle		Archery		Rifle		Archery		Rifle		2005		2006		2007					
				2004	2005	2006	2007	2008	2006	2007	2008	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe	Ram	Ewe		
S1	1	Poudre River	NE	95	65	55	55	60	MR	MR	MR	0	0	2	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0	2	0		
S2		Gore-Eagle's Nest	NW	100	100	100	100	80	GAO	GAO	GAO	0	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0			
S3		Mount Evans	NE	125	175	100	90	80	CGC	CGC	CGC	0	0	3	8	0	0	3	0	0	0	6	4	0	0	6	4	1	2	1	5	2	0
S4		Grant	NE	110	100	100	90	90	CGC	CGC	CGC	0	0	9	12	0	0	6	0	0	0	6	4	0	0	6	4	5	3	6	2	5	0
S6	13	Pike's Peak	SE	350	300	300	140	133	CGC	MR, CGC	MR	0	0	12	22	0	0	12	22	0	0	10	10	0	0	5	0	6	7	9	6	4	2
S7		Arkansas River	SE	85	85	85	85	85	GAO, PR	GAO, PR	GAO, PR	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2	0	2	0	1	0
S8		Huerfano	SW	70	65	65	65	65	GAO	GAO	GAO	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2	0	0	0	1	0
S9		Sangre de Cristo	SE, SW	400	400	325	325	325	CGC, AC	CGC, AC	CGC, AC	10	0	10	5	8	0	6	5	8	0	6	5	8	0	6	5	5	2	5	2	4	3
S10		Trickle Mtn.	SW	50	50	50	45	45	GAO	GAO	AC	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0
S11		Collegiate North	SE	160	160	160	160	160	GAO, PR	GAO, PR	GAO, PR, B	0	0	7	0	0	0	7	0	0	0	7	0	0	0	7	0	3	0	3	0	3	0
S12		Buffalo Peaks	SE	200	200	200	200	200	GAO, PR	GAO, PR	GAO, PR, B	10	0	6	0	10	0	6	0	10	0	6	0	10	0	6	0	5	0	7	0	6	0
S13		Snowmass East	NW	115	110	110	110	70	GAO	GAO	GAO	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	1	0	1	0	2	0
S15		Sheep Mountain	SW	100	100	100	100	200	AC	GAO	AC, CGC	0	0	6	0	0	0	5	0	0	0	5	0	0	0	5	0	2	0	4	0	4	0
S16		Cimarrona Peak	SW	100	90	90	90	135	AC	GAO	AC	0	0	2	0	0	0	3	0	0	0	3	0	0	0	3	0	1	0	2	0	2	0
S17		Collegiate South	SE	100	100	100	100	200	GAO, PR	GAO, PR, B	GAO, PR, B	0	0	6	0	0	0	6	0	0	0	6	0	0	0	6	0	1	0	2	0	2	0
S18	1	Rawah	NE	45	20	15	15	15	GAO, PR	GAO, PR	GAO, PR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
S19	2	Never Summer Range	NW, NE	25	25	25	25	25	MR (04)	MR (04)	MR (04)	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0
S20		Marshall Pass	SE	75	75	75	75	50	GAO, PR	GAO, PR	GAO, PR	4	0	3	0	4	0	3	0	4	0	3	0	4	0	3	0	2	0	2	0	1	0
S21		Cow Creek\Wetterhorn Peak	SW	90	100	110	125	125	AC	AC	PR	0	0	3	0	0	0	3	0	0	0	4	0	0	0	4	0	3	0	3	0	3	0
S22		San Luis Peak	SW	80	80	85	85	80	AC	GAO, PR	AC, GAO	0	0	3	0	0	0	3	0	0	0	3	0	0	0	4	0	3	0	2	0	3	0
S23	9	Kenosha	NE	75	60	60	60	50	CGC, AC	NI, O	AC	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
S25		Snowmass West	NW	125	125	125	75	67	GAO, CGC	GAO, CGC	MR, CGC	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	1	0	2	0	1	0
S26	3, 12	Taylor River	SW	150	75	75	75	35	GAO	GAO	GAO	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	5	0	2	0	2	0
S27	9	Tarryall	NE, SE	100	100	100	100	75	GAO, PR	CGC, GAO	CGC, GAO	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	1	0
S28		Vallecito	SW	125	125	125	125	125	AC	GAO	AC	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	3	0	1	0	2	0
S29		Alamosa Canyon	SW	35	35	35	35	35	GAO	GAO	GAO	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0
S30		Conejos River	SW	75	75	75	75	75	AC, GAO	CGC, GAO	GAO	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0
S31		Blanco River	SW	100	100	100	100	100	AC, CGC	CGC	NI	0	0	4	0	0	0	4	0	0	0	4	0	0	0	4	0	2	0	4	0	3	0
S32		Georgetown	NE	300	300	400	400	375	MR, PR, C	MR, PR, C	MR, PR, C	18	8	13	17	24	7	20	16	24	12	20	24	24	7	20	12	4	14	10	22	4	
S33		Lake Fork\Pole Mtn	SW	60	60	90	90	90	AC	GAO, PR	GAO, PR	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	1	0
S34		Rampart Range	SE	65	75	75	75	70	BSO	BSO, CGC	BSO, GAO	4	2	0	0	4	2	0	0	4	2	0	0	3	3	0	0	0	1	3	2	1	2
S35		Greenhorns	SE	50	70	70	70	70	CGC	CGC	CGC	5	0	1	0	5	0	1	0	5	0	1	0	5	0	1	0	1	0	1	0	1	0
S37		St. Vrain	NE	100	100	100	50	50	CGC	CGC	CGC	2	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0
S38		Apishpa	SE	55	70	70	70	70	CGC	CGC	CGC	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	1	0	1	0	0	0
S44		Basalt	NW	100	100	100	100	100	GAO	GAO	GAO	5	0	0	0	5	0	0	0	5	0	0	0	5	0	2	0	1	0	2	0	1	0
S46	4, 13	Dome Rock	SE	85	85	85	35	30	BSO	GAO	MR	2	2	0	0	2	2	0	0	1	1	0	0	1	1	0	0	2	2	1	0	1	0
S47	14	Brown's Canyon	SE	150	150	150	150	140	GAO, PR	GAO, PR, B	GAO, PR, B	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	3	0	3	0	3	0
S48		Carrizo Canyon	SE	45	45	45	55	55	GAO, PR	GAO, PR	GAO, PR	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	0	0	1	0
S49		Grape Creek\Copper Ridge	SE	290	225	225	225	225	GAO	GAO	GAO	5	0	2	0	5	0	2	0	5	0	2	0	5	0	2	0	3	0	4	0	2	0
S50		Mt. Maestas	SE	120	125	125	125	125	GAO	GAO	GAO	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	1	0	2	0	2	0
S51		Spanish Peaks (Culebra)	SE	225	250	250	250	250	CGC	GAO	GAO	2	0	4	4	2	0	4	4	2	0	4	6	2	0	4	4	6	0	6	2	5	3
S53	6	Bristol Head	SW	50	50	85	110	110	GAO	GAO	AC	0	0	1	0	0	0	1	0	0	0	2	0	0	0	2	0	1	0	1	0	1	0
S54		Dillon Mesa (West Elk)	SW	110	110	105	100	90	GAO	GAO, PR	AC, GAO	1	0	2	0	1	0	2	0	1	0	2	0	1	0	1	0	1	0	1	0	1	0
S57		Big Thompson Canyon	NE	80	80	80	85	100	CGC	CGC	CGC	2	0	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	0	1	0	1	0
S59		Derby Creek	NW	115	90	90	90	90	GAO	GAO	GAO	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	2	0	1	0	1	0
S60		Shelf Road	SE	150	150	150	150	150	GAO, PR	GAO, PR	GAO, PR	0	0	4	0	0	0	4	0	0	0	4	0	0	0	4	0	2	0	2	0	3	0
S61		Purgatorie Canyon	SE	240	240	240	240	200	PR, GAO	PR, GAO	AC, PR, GAO	0	0	4	0	0	0	3	0	0	0	5	1	0	0	5	1	4	0	4	0	3	0
S65	5	Costilla	SW	400	400	400	400	400	GAO	GAO	GAO	0	0	0	3	0	0	3	0	0	0	2	10	0	0	3	10	3	0	3	0	2	0
S66		Mt. Elbert	SE	75	75	125	125	125	PR, GAO	PR, GAO	PR, GAO, C	0	0	4	0	0	0	6	0	0	0	6	0	0	0	6	0	2	0	3	0	4	0
S67		Flattops (S. Fork White River)	NW	60	40	40	40	40	GAO, AC	GAO, AC	GAO, AC	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	0	1	0	1	0
S68		Cotopaxi	SE	60	60	60	60	60	GAO, PR	GAO, PR	GAO, PR	0	0	2	0	0	0	2	0	0	0	2	0	0	0	2	0	1	0	1	0	1	0
S69		Cochetopa	SW	55	55	55	50	50	GAO																								

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Units/Areas Without Public Hunting Seasons

UNIT	Notes	UNIT NAME	Region	Population Estimate					Estimate Basis*		
				2004	2005	2006	2007	2008	2006	2007	2008
S5		Beaver Creek	SE	30	30	30	30	30	NI	GAO,PR	
S14		Clinetop Mesa	NW	10	5	5	5	5	GAO	GAO	GAO
S24		Battlement Mesa	NW	20	20	25	30	50	GAO, CGC	GAO	AC
S36		Bellows Creek	SW	35	35	35	45	45	GAO	AC	AC
S40		Lone Pine	NE	5	15	15	25	30	GAO	AC, GAO	GAO
S45		Cross Mountain	NW	10	0	0	0	0	GAO	GAO	GAO
S52		Rock Creek	SW	20	25	25	25	25	GAO	GAO	GAO
S55	8	Natural Arch, Carnero Creek	SW	25	20	20	20	20	GAO	GAO	AC
S58		Lower Poudre River	NE	30	25	25	20	15	MR	MR, AC	MR
NA		Black Canyon	SW	25	30	30	30	30	GAO, PR	GAO, PR	GAO,PR
NA		DeBeque Canyon	NW	20	40	45	40	40	GAO, O	GAO, PM	GAO
NA		DNM - Harper's Corner-Jones Hole	NW	40	40	40	40	40	AC, GAO	GAO	GAO
NA		Can.	NW	90	90	90	90	90	AC, GAO	GAO	GAO
NA		DNM - Yampa River	NW	35	35	35	35	35	AC, GAO	GAO	GAO
S72		Greenland	NE	20	35	50	40	40	CGC, AC	CGC, AC	CGC,AC
NA		Lower Lake Fork, Gunnison Ri.	SW	10	10	10	10	10	GAO	GAO	NI
NA		Mesa Verde	SW	25	20	20	20	20	GAO	GAO	
NA		Mount Silverheels	NE	25	25	25	25	30	CGC, GAO	GAO,PR	GAO
NA		Pueblo Reservoir	SE	NA	20	20	15	15	GAO	GAO	GAO
NA	6	Rio Grande River, Box Canyon	SW	35	35	NA	NA	NA	NA	NA	NA
NA		RMNP - East Side, Fall Ri./Mummy Range	NE	75	75	75	75	75	MR (04)	GAO,MR	GAO,MR (
NA		RMNP - Continental Divide	NE,NW	125	100	100	100	100	MR (04)	GAO,MR	GAO,MR (
NA	2	RMNP - Never Summer Range	NE,NW	250	200	200	200	200	MR (04)	GAO,MR	GAO,MR (
NA		Sawpit	SW	10	10	10	20	20	PR	PR	PR,GAO
NA		Waterton Canyon	NE	25	25	25	25	25	CGC, AC	AC	AC
Sub-total				995	965	955	965	990			
GRAND TOTAL				7365	7275	7330	7040	7015			

DNM = Dinosaur National Monument

RMNP = Rocky Mountain National Park

* Units that would likely be part of the same DAU because of movement across unit boundaries.

** 2005 Harvest rate based on 2006 population estimate.

◆ Basis for population estimate (listed in order by weight):

MR = Mark/Resight

CGC = Coordinated Ground Count

AC = Aerial Count

BSO = Bait Site Observations

GAO = General Agency Observation (by CDOW, USFS, BLM, USGS, or NPS)

PR = Public Reports (by hunters, outfitters, landowners, RMBS, etc.)

PM = Population Model

NI = No Information Available.

O = Other

◇ Units with nonresident licenses

Blue = Unit closed to hunting that year

Notes:

- 1 S1 licenses are also valid in S18.
- 2 Animals in this unit are moving back and forth across the NPS boundary in the Never Summer Range and may not be accessible to hunters.
- 3 S26 was split into S26 and S70 in 2005.
- 4 2005 population estimate is for both resident and migratory sheep from S6 that winter in S46.
- 5 Accounts for 40 sheep translocated from S65 to Mt Zirkel in 2005
- 6 Rio Grande River and Box Canyon included with S53 in 2006.
- 7 S71 Opened to hunting in 2007.
- 8 S55 closed to hunting beginning in 2006.
- 9 S23 & S27 were combined for licenses in 2008 (i.e., 2 licenses good for both units combined).
- 10 An all age die-off of the S70 herd began in Dec 2007. The 2007 population estimate is for prior to this die off.
- 11 Unit created and opened to hunting in 2009.
- 12 S26 license for 2008 was transferred to S?? and S26 was closed to hunting because of low sheep numbers.
- 13 S46 license also valid in S6 in 2009.
- 14 S47 licenses split