

# 2021 BIG GAME LICENSE RECOMMENDATION SUMMARY BY SPECIES

April 22, 2021



## DEER

- CPW staff are recommending similar total deer licenses as last year; all changes result in an increase of 1,100 deer licenses (+1%) to 102,500 limited licenses.
- A recommended decrease of 1,800 rifle buck and either-sex licenses was exceeded by an increase of 2,800 rifle doe licenses.
- Buck license recommendations were reduced in many herds because we anticipate higher success rates with later rifle season dates from recent BGSS changes. Predicted higher harvest success means fewer licenses will be necessary to achieve the same harvest. Buck license reductions also are the result of herds that are now within Herd Management Plan (HMP) sex ratio objective ranges (examples include D-2 Bears Ears, D-9 Middle Park, and D-30 San Juan).
- Buck license recommendations were increased in herds that are above HMP sex ratio objectives (examples include D-21 West Elks, D22 Taylor River, and D-25 Powderhorn). In DAUs where CWD prevalence is greater than 5%, management actions were taken to reduce prevalence, including buck license increases for several herds (examples include D-43 Sweetwater and D-51 South Grand Mesa).
- Antlerless license increases are recommended in herds that are at or above population objective ranges (examples include D-2, D-7, D-22, and D-25).

DEER	
in 2021	
# of DAUs	# Hunt Codes
54	1,023

## ELK

- CPW is recommending 123,900 limited elk licenses, down 5,700 (-4%) licenses from last year. However, 3,200 of this reduction is the result of fine-tuning archery quotas in DAUs E-24 (Disappointment), E-30 (Hermosa), and E-31 (San Juan). These were new limited units for 2020 and quotas were initially set high, recommended 2021 quotas set licenses to numbers actually sold in 2020.
- Continuing with an 18-year trend, rifle elk license recommendations are reduced from last year by 2,200 (-2%) to 100,200.
- Elk license reductions are the result of a combination of herds achieving HMP population objectives through antlerless harvest and low calf/cow ratios reducing population productivity.

ELK	
in 2021	
# of DAUs	# Hunt Codes
42	1,136

## PRONGHORN

- CPW is recommending 23,600 limited pronghorn licenses, down 1,700 (-7%) licenses from last year.
- The majority of this reduction is in the Southeast Region where the license recommendation is 15,200, down 1,500 licenses (-9%) from last year.
- We consistently observe lower pronghorn fawn production and survival in drought years such as 2020. Additionally, we were unable to fly pronghorn classification flights last summer due to Covid-19 so the full effect of drought on pronghorn production is unknown. License reductions are prudent with the combination of drought and lack of inventory data.

PRONGHORN	
in 2021	
# of DAUs	# Hunt Codes
28	337

## MOOSE

- CPW is recommending 532 limited moose licenses, an increase of 12 (+2%) from last year.
- These recommendations includes 236 bull and either-sex licenses and 298 cow licenses.
- The recommended cow moose licenses are designed to manage moose populations toward HMP objectives and keep moose populations within the capability of their habitat. Additionally, cow licenses have lower success rates than bull licenses.

MOOSE	
in 2021	
# of DAUs	# Hunt Codes
12	150

## BLACK BEAR

- CPW is recommending 20,700 limited black bear licenses, an increase of 185 (+1%) from last year.
- Similar to last year under the 2020-2024 BGSS, in 2021, ten bear DAUs will have OTC licenses available during archery, muzzleloader and concurrent rifle. All PLO seasons statewide are also OTC.
- Continuation of the reduction in non-resident bear license fees implemented in 2019, coupled with the availability of OTC bear licenses in many DAUs, contributed to an increase of 5,000 bear licenses sold in 2020 (+20% from 2019). This increase in license sales in DAUs with unlimited license strategy goals was successful in supporting additional harvest towards management goals.

BLACK BEAR	
in 2021	
# of DAUs	# Hunt Codes
17	210

# 2021 BIG GAME LICENSE RECOMMENDATION SUMMARY BY REGION & SPECIES

April 22, 2021



Species	Region	All Limited Licenses				All Limited Rifle Licenses				All Limited Rifle Female & Either Sex Licenses				All Limited Archery Licenses				All Limited Muzzleloader Licenses				Post Hunt Populations			Population Objective Range			Post-Hunt Inventory & Objectives					Region	Species
		2020	2021	Change		2020	2021	Change		2020	2021	Change		2020	2021	Change		2020	2021	Change		2019 Estimate	2020 Estimate	2021 Projection	Min	Max	Target	Number of Animals Classified in 2020	Sex Ratio (Males/100 Females)		Observed***			
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	Min	Max	2020	3 Yr Avg									
DEER	NW	38,592	39,699	1,107	2.8	31,105	31,927	822	2.6	8,410	11,168	2,758	32.7	4,306	4,386	80	1.8	3,181	3,386	205	6.4	170,100	172,490	173,380	174,900	213,300	193,600	34,235	24.3	28.3	29.2	30.1	NW	DEER
	SW	19,410	20,201	791	4.0	15,110	15,916	806	5.3	1,280	1,896	616	48.1	2,517	2,487	-30	-1.1	1,783	1,798	15	0.8	122,000	130,630	132,280	147,700	172,400	162,700	18,123	28.4	32.4	32.1	31.9	SW	DEER
	NE	14,540	14,355	-185	-1.2	10,605	10,420	-185	-1.7	3,300	3,150	-150	-4.5	2,400	2,400	0	0.0	1,535	1,535	0	0.0	43,340	43,470	43,490	37,000	43,900	40,700	3,337	26.2	31.9	40.9	41.5	NE	DEER
	NE Plains	10,975	11,100	125	1.1	8,735	8,920	185	2.1	5,565	5,625	60	1.0	1,455	1,415	-40	-2.7	785	765	-20	-2.5	20,330	19,800	19,290	17,300	20,200	19,700	6,600					NE Plains	DEER
	SE	8,496	7,701	-795	-9.3	6,506	5,831	-675	-10.3	808	823	15	1.8	1,255	1,185	-70	-5.5	735	685	-50	-6.8	41,170	39,550	41,250	52,600	61,000	56,500	4,635	31.2	35.0	28.3	33.4	SE	DEER
	SE Plains	9,440	9,447	7	0.0	6,174	6,180	6	0.0	3,490	3,494	4	0.1	2,141	2,142	1	0.0	1,125	1,125	0	0.0	21,340	21,610	21,620	15,650	15,650	15,650	2,890					SE Plains	DEER
TOTAL	101,453	102,503	1,050	1.0	78,235	79,194	959	1.2	22,853	26,156	3,303	14.4	14,074	14,015	-59	-0.4	9,144	9,294	150	1.6	418,270	427,540	431,310	445,150	526,450	488,850	69,820	26.9	31.1	31.8	32.8	TOTAL	DEER	
ELK	NW	76,070	74,551	-1,519	-1.9	67,197	65,755	-1,442	-2.1	57,772	56,370	-1,402	-2.4	2,952	2,952	0	0.0	5,921	5,844	-77	-1.3	139,150	129,010	122,360	102,270	129,670	116,670	47,613	21.4	27.4	23.1	23.4	NW	ELK
	SW	30,340	26,880	-3,460	-11.4	17,850	17,650	-200	-1.1	10,370	10,065	-305	-2.9	9,650	6,420	-3,230	-33.4	2,840	2,810	-30	-1.0	106,720	119,380	121,730	107,200	123,700	116,950	29,085	16.2	22.4	15.1	16.7	SW	ELK
	NE	12,967	12,372	-595	-4.6	9,197	9,007	-190	-2.0	4,892	4,732	-160	-3.2	1,870	1,870	0	0.0	1,500	1,495	-5	-0.3	14,960	14,840	14,520	12,200	14,400	13,600	6,424	33.9	39.3	18.0	20.5	NE	ELK
	SE	10,551	10,059	-492	-4.6	8,168	7,776	-392	-4.7	6,318	5,971	-347	-5.4	858	833	-25	-2.9	1,525	1,450	-75	-4.9	32,330	30,360	30,950	27,450	31,900	30,750	6,633	31.4	37.3	24.0	27.2	SE	ELK
	TOTAL	129,528	123,862	-5,666	-4.3	102,412	100,188	-2,224	-2.1	79,352	77,138	-2,214	-2.7	15,330	12,075	-3,255	-21.2	11,786	11,599	-187	-1.5	292,760	293,590	289,560	249,120	299,670	277,970	89,755	20.9	27.0	19.7	21.7	TOTAL	ELK
PRONGHORN	NW	3,405	3,558	153	4.4	2,645	2,778	133	5.0	2,089	2,153	64	3.0	455	455	0	0.0	305	325	20	6.5	23,730	23,950	25,460	23,000	23,400	23,300	10,587	53.0	54.0	52.6	51.9	NW	PRONGHORN
	SW	299	319	20	6.6	217	237	20	9.2	212	232	20	9.4	67	67	0	0.0	15	15	0	0.0	2,940	2,750	2,820	3,450	4,450	3,700	1,021	28.6	33.9	29.6	29.5	SW	PRONGHORN
	NE	4,872	4,555	-317	-6.5	4,057	3,737	-320	-7.8	2,385	2,320	-65	-2.7	375	375	0	0.0	440	443	3	0.6	19,180	17,530	16,990	15,000	17,900	16,400	234	29.0	34.0			NE	PRONGHORN
	SE	16,671	15,158	-1,513	-9.0	14,826	13,428	-1,398	-9.4	7,245	7,147	-98	-1.3	0	40	40	100.0	1,845	1,690	-155	-8.4	36,290	33,160	32,870	27,600	34,850	31,050	1,128	28.9	40.2			SE	PRONGHORN
	TOTAL	25,247	23,590	-1,657	-6.5	21,745	20,180	-1,565	-7.1	11,931	11,852	-79	-0.6	897	937	40	4.4	2,605	2,473	-132	-5.0	82,130	77,390	78,130	69,050	80,600	74,450	12,970	36.4	42.8			TOTAL	PRONGHORN
MOOSE	NW	360	357	-3	-0.8					209	203	-6	-2.8									1,890	2,130	2,200	1,175	1,565	1,430						NW	MOOSE
	SW	27	30	3	11.1					7	10	3	42.8									460	460	450	400	500	450						SW	MOOSE
	NE	127	136	9	7.0					83	91	8	9.6									430	460	400	440	490	465						NE	MOOSE
	SE	6	9	3	50.0					0	0	0	0.0									110	120	120	110	110	110						SE	MOOSE
TOTAL	520	532	12	2.3					299	304	5	1.6									2,900	3,160	3,180	2,125	2,665	2,455						TOTAL	MOOSE	
BEAR	NW	12,197	12,198	1	0.0	9,385	9,560	175	1.8					0	0	2,685	2,560.0	-125	-5	1,100	1,050.0												NW	BEAR
	SW	5,730	5,917	187	3.2	4,510	4,610	100	2.2					0	0	1,274	1,329.0	55	4	439	469.0												SW	BEAR
	NE	1,365	1,365	0	0.0	1,260	1,260	0	0.0					0	0	280	280.0	0	0	145	145.0												NE	BEAR
	SE	1,235	1,235	0	0.0	1,250	1,250	0	0.0					0	0	285	285.0	0	0	115	115.0												SE	BEAR
	TOTAL	20,527	20,715	188	0.9	16,405	16,680	275	1.6					0	0	4,524	4,454.0	-70	-2	1,799	1,779.0												TOTAL	BEAR
GRAND TOTAL	277,275	271,202	-6,073	-6.6	218,797	216,242	-2,555	-6.4	114,435	115,450	1,015	12.7	30,301	27,027	1,250	4,436.8	23,465	23,365	1,630	1,774.1	796,060	801,680	802,180				172,545					GRAND TOTAL		

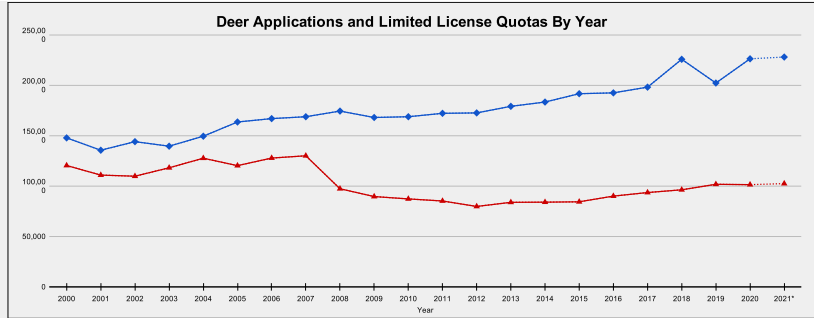
\*For moose Antlerless and Either Sex licenses included for all manners of take

\*\*Pronghorn inventory is pre hunt

\*\*\* Weighted by population size

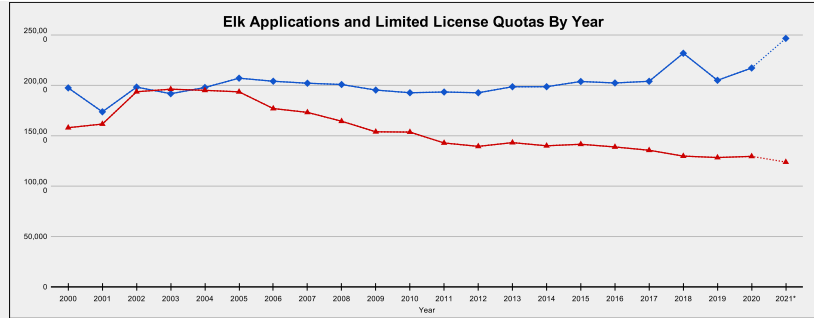
# BIG GAME HISTORY BY SPECIES

April 22, 2021



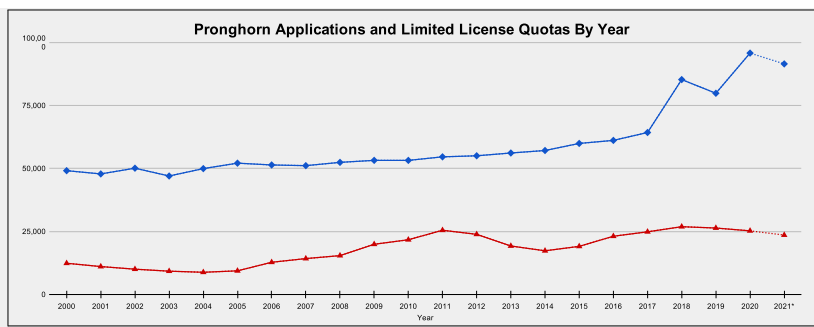
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Applications	147,861	135,631	144,122	139,629	149,532	163,636	166,993	168,862	174,465	168,107	168,862	172,234	172,650	179,182	183,431	191,708	192,538	198,205	225,855	202,305	228,346	228,087
License Quota	120,456	110,942	109,837	118,195	127,689	120,322	127,838	130,106	97,388	89,643	87,302	85,246	79,824	83,916	84,880	84,442	90,086	93,630	96,348	101,626	101,453	102,503

\*Projected Estimate



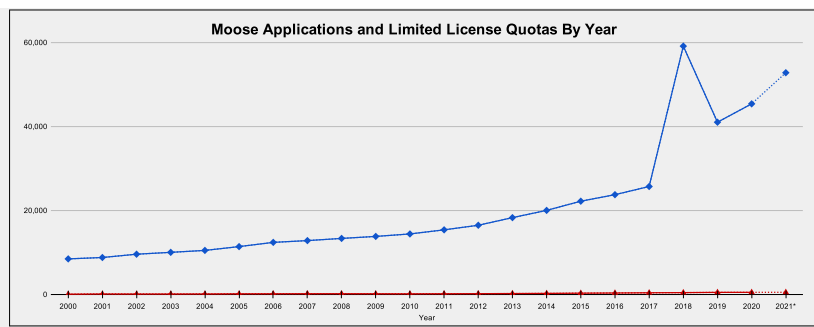
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Applications	197,463	173,730	198,245	191,714	197,866	207,108	204,074	202,111	200,826	195,332	192,655	193,380	192,638	198,621	198,649	203,823	202,364	204,024	231,846	204,984	217,204	246,602
License Quota	157,970	161,603	193,634	196,187	195,056	193,655	178,978	173,185	164,393	153,905	153,625	142,817	139,451	143,158	140,018	141,540	138,850	135,589	129,790	128,358	129,528	123,862

\*Projected Estimate



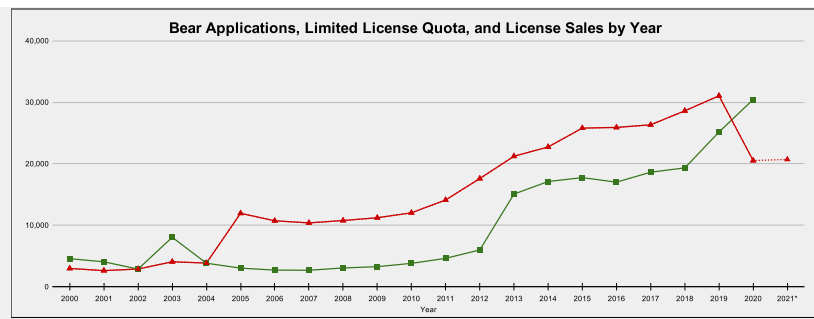
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Applications	49,158	47,869	50,144	47,043	49,977	52,136	51,426	51,149	52,406	53,252	53,242	54,847	55,065	56,174	57,163	59,968	61,178	64,309	85,317	79,886	95,829	91,540
License Quota	12,406	11,096	10,056	9,266	8,827	9,368	12,798	14,262	15,439	19,943	21,736	25,510	23,891	19,259	17,356	16,113	23,132	24,887	26,919	26,388	25,274	23,592

\*Projected Estimate



	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Applications	8,486	8,815	9,600	10,044	10,504	11,412	12,417	12,842	13,361	13,836	14,425	15,404	16,494	16,311	20,037	22,226	23,776	25,728	59,167	41,037	45,412	52,823
License Quota	80	129	115	120	132	166	174	189	190	177	163	182	203	233	266	321	363	417	454	511	520	532

\*Projected Estimate



	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Applications	8,213	9,844	11,308	11,788	12,349	11,292	11,036	11,106	11,997	12,168	12,616	12,753	13,737	15,248	16,614	16,021	17,118	17,152	31,994	27,801	30,873	36,718
License Quota	2,987	2,632	2,892	4,070	3,963	11,951	10,737	10,362	10,778	11,230	12,033	14,117	17,684	21,229	22,740	26,805	26,917	28,341	28,617	31,055	20,527	20,715
Total License Sales	4,273	4,066	2,884	8,048	3,838	3,034	2,718	2,691	3,066	3,272	3,816	4,628	5,995	10,082	17,121	17,751	17,916	18,633	19,336	26,165	30,458	

\*Projected Estimate

# 2021 BIG GAME LICENSE RECOMMENDATION DEFINITIONS

April 22, 2021



**Add-on Black Bear License:** Archery and muzzleloader unlimited OTC black bear licenses only available to purchase by hunters who have a deer or elk license for the same manner of take and GMU.

**Age Ratio:** Number of young-of-the-year per 100 females in a herd. Age ratios are observed during big game surveys and provide an estimate of the number of young that were born in summer and survived until the survey. Age ratios are a measure of herd productivity and are used in population modeling.

**Antlered License:** A deer, elk, or moose license that is valid for the take of any animal with an antler or antlers of at least five inches in length.

**Antlerless License:** A deer, elk, or moose license that is valid for the take of any animal without antlers or with antlers of less than five inches in length.

**Black Bear Age and Gender Composition:** Metrics used as indicators of black bear population trajectory in relation to harvest levels. Harvested black bears are divided into 4 age-sex classes (adult male, adult female, subadult male, and subadult female).

**% Adult Male in Harvest:** The adult male segment of a population is the first to be reduced under increasing hunter pressure, therefore proportions of adult males (>5 yr old) in the harvest can indicate stability, increase or decrease in the population.

**% Female in Harvest:** As harvest levels increase and additional adult and sub-adult males are removed, the proportion of females of all ages in the harvest begins to increase. Therefore, proportions of females of all ages in the total harvest can indicate stability, increase or decrease in the population.

**% Adult Females in Female Harvest:** With increasing harvest, younger females are removed and older females (>5 yr old) become more common in the harvest. Thus, the proportion of adult females in the female harvest should rise with increasing harvest rates, indicating stability, increase or decrease in the population.

**Classified Animals:** During big game surveys, animals are categorized by age and sex. That is, animals are identified as adult males, adult females and young-of-the-year. These classifications are then used to calculate sex and age ratios.

**Concurrent Rifle Season:** Limited and unlimited black bear seasons that occur during the regular deer and elk rifle seasons. There are both regular concurrent and PLO concurrent black bear seasons.

**Chronic Wasting Disease (CWD):** A fatal neurological disease that attacks the brains of deer, elk and moose.

**Data Analysis Unit (DAU):** The geographic area that represents the year-round range of a specific big game herd/population. Each DAU is composed of one or more Game Management Units (GMUs). DAUs are used to monitor distinct herds/populations.

**Either-sex License:** A license that is valid for the take of either male or female animals.

**Game Management Unit (GMU):** A defined geographic area that provides a practical framework where management goals can be refined and applied on a finer scale than a DAU, typically through hunting regulations. GMUs are used to monitor hunter distribution.

**Leftover Draw:** Deer and elk applicants unsuccessful in the primary draw have the first chance at the limited licenses that are remaining after the primary draw by selecting Leftover Draw on their application.

**Limited Licenses:** A set (limited) number of licenses are available for specific units and dates for each species, and are initially issued through an application and draw process.

**Manner of Take:** Colorado hunting seasons are based on hunting methods (i.e., archery, muzzleloader and rifle/associated) permissible during each season.

**Modeled Estimates:** Mathematical models that integrate observed data (e.g., sex ratios, age ratios, population estimates, survival estimates, harvest estimates) are used to estimate the population size and demographic composition of each herd. Estimates derived from these models are referred to as modeled estimates.

**Over-the-Counter (OTC) Season:** In contrast to limited seasons, licenses in OTC seasons are not available through the draw. They do not require buying/having a qualifying license, do not use preference points and may be purchased any time through the end of the season. Prior to 2020, the number of licenses available in OTC seasons were either unlimited or capped at a predetermined number. Starting in 2020, there are no longer OTC with caps seasons.

**Plains Units:** GMUs east of Interstate I-25 except unit 140.

**Private Land Only (PLO) License:** Licenses that are only valid on private land.

**Population Estimate:** The estimate of the number post-season (winter) animals in a herd. CPW estimates the size of each herd annually based on population models.

**Population Objective:** The target number of animals in a herd. Population objectives are expressed as ranges and are established in the Herd Management Plan (HMP) for each herd. License numbers and hunting strategies are designed to reach or maintain the population objective of each herd.

**Post-hunt:** The period after the hunting seasons. Most big game populations are surveyed post-hunt (in the winter), when they are concentrated at lower elevations in open terrain by snow, in order to estimate winter population levels and demographics.

**Pre-hunt:** The period before the hunting season. Many pronghorn surveys are conducted pre-hunt (in the summer) to estimate summer population levels and demographics.

**Primary Draw:** The first, main big game draw of the year for hunters applying for limited hunting licenses.

**September Rifle Season:** Limited rifle black bear seasons that occur during the month of September (before the regular deer and elk rifle seasons). The majority of black bear harvest occurs during these seasons and, therefore, they have the largest effect on black bear management.

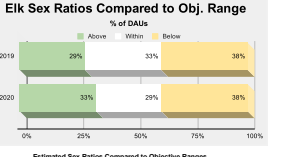
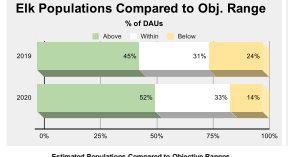
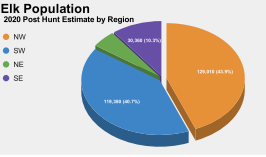
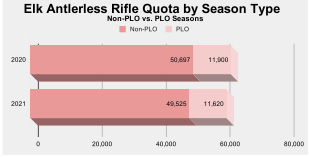
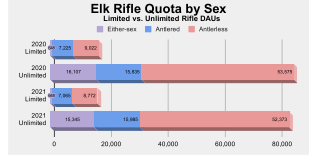
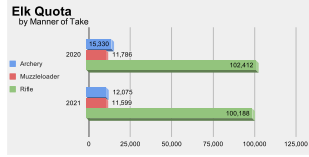
**Sex Ratio:** Number of males per 100 females in a herd. Sex ratios are observed during big game surveys and used in population models. Sex ratio objectives are established for each herd in a Herd Management Plan. Hunting licensing numbers and strategies are established to achieve and maintain these objectives.

**Unlimited Licenses:** Licenses that are not restricted in number. They are not available through the draw.

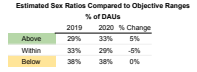
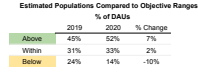
**Weighted Average:** An average that is calculated taking population size into account, so that larger populations contribute more to the average than smaller populations (i.e., populations influence the average in proportion to their size).

**West of I-25 Units:** GMUs west of Interstate I-25 and unit 140.



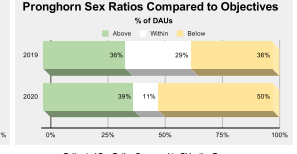
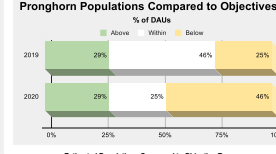
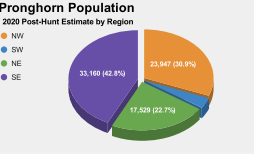
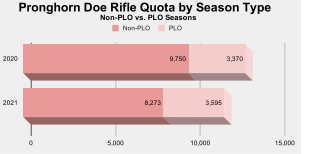
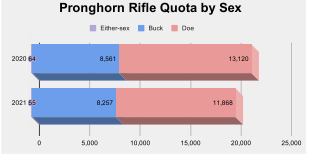
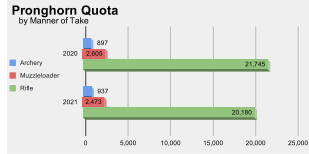


positive % change = increase in licenses  
negative % change = decrease in licenses



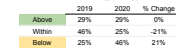
Region	DAU	Units Involved	LIMITED ARCHERY SEASONS			LIMITED MUZZLELOADER SEASONS			LIMITED RIFLE SEASONS*												DAU													
			2020 LICENSES	2021 LICENSES	PERCENT CHANGE	2020 LICENSES	2021 LICENSES	PERCENT CHANGE	ALL LIMITED RIFLE		EITHER-SEX LICENSES		ANTLERED LICENSES		ANTLERLESS LICENSES		PLO ANTLERLESS RIFLE																	
			2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE					
NW	2	2,301	20	20	0	30	30	0	265	265	0	40	40	0	295	295	0	0	0	0	0	0	0	0	0	0	0	0						
NW	2	3,301, 4, 441, 5, 14, 214	500	600	0	700	600	-14	11,810	10,583	-10.3	3,305	3,330	0.8	1,130	6,900	-16	1,375	335	-10.4	0	0	0	0	0	0	0	0	0					
NW	3	6, 16, 161, 17, 171	0	0	0	550	590	0	6,498	6,505	0.1	1,284	1,271	-0.5	0	0	0	8,234	5,234	0	450	450	0	0	0	0	0	0	0					
NE	4	7, 8, 9, 19, 191	1,110	1,110	0	750	750	0	4,400	4,400	0	0	0	0	2,935	2,935	0	1,465	1,465	0	595	595	0	0	0	0	0	0	0					
SW	5	20, 54, 63	200	200	0	250	250	0	1,665	1,600	-3.9	160	160	0	995	995	0	920	855	-7.2	425	360	-16.2	0	0	0	0	0	0					
NW	6	11, 12, 13, 23, 24, 25, 26, 33, 34, 131, 211, 231	1,650	1,650	0	1,050	1,050	0	21,198	21,041	-0.7	1,202	1,149	-4.4	6,330	6,330	0	13,665	13,562	-0.7	1,810	1,910	5.5	6	6	0	0	0	0	0				
NW	7	16, 27	0	0	0	400	400	0	3,600	3,990	10.8	1,100	1,100	0	0	0	0	2,500	2,890	15.6	425	425	0	0	0	0	0	0	0					
NW	8	16, 181	0	0	0	565	565	0	6,025	6,025	0	2,400	2,400	0	0	0	0	3,625	3,625	0	500	500	0	0	0	0	0	0	0	0				
NE	9	20	0	0	0	125	125	0	45	40	-11.1	1,170	1,065	-8.9	0	0	0	220	190	-13.6	950	875	-7.8	450	375	-16.9	0	0	0	0				
NW	10	21, 22, 30, 31, 32	0	0	0	325	325	0	4,035	4,010	-0.6	125	125	0	1,260	1,260	0	2,650	2,625	-0.9	300	350	16.6	0	0	0	0	0	0	0				
NW	11	82	0	0	0	105	105	0	840	840	0	375	375	0	0	0	0	465	465	0	0	0	0	0	0	0	0	0	0	0				
NW	12	35, 36	0	0	0	285	285	0	855	855	0	295	295	0	0	0	0	3,000	3,000	0	140	140	0	0	0	0	0	0	0	0				
NW	13	28, 37, 371	0	0	0	805	605	-24.9	5,150	4,645	-9.8	2,075	1,875	-9.6	0	0	0	3,075	2,770	-9.9	350	315	-10.3	13	13	0	0	0	0	0				
NW	14	41, 411, 42, 421, 52, 521	0	0	0	875	875	0	4,820	4,895	1.5	350	350	0	1,200	1,200	0	3,270	3,345	2.2	925	1,000	8.1	14	14	0	0	0	0	0				
NW	15	43, 471	0	0	0	215	215	0	1,400	1,400	0	335	335	0	0	0	0	1,065	1,065	0	135	135	0	15	15	0	0	0	0	0				
NW	16	44, 444, 45, 47	0	0	0	270	270	0	0	0	0	0	0	0	260	260	0	0	0	0	10	10	0	0	0	0	0	0	0	0				
SE	17	48, 481, 56, 561	370	370	0	250	250	0	1,115	1,060	-4.9	0	0	0	0	0	0	580	535	-7.7	505	525	3.8	60	60	0	0	0	0	0				
NE	18	50, 500, 501	240	240	0	250	250	0	1,360	1,360	0	0	0	0	470	470	0	920	910	-1.1	80	80	0	18	18	0	0	0	0	0				
NW	19	40	65	65	0	62	45	-27.4	399	399	0	129	129	0	0	0	0	1070	270	0	100	100	0	19	19	0	0	0	0	0				
SW	20	61, 62	90	90	0	280	280	0	1,960	1,980	1.0	280	280	0	995	995	0	1,075	1,105	2.7	190	220	15.7	20	20	0	0	0	0	0	0			
NW	21	10	15	15	0	871	871	0	36	36	0	0	0	0	635	635	0	150	150	0	150	150	0	21	21	0	0	0	0	0	0			
SE	22	49, 57, 58	350	350	0	330	330	0	1,700	1,670	-1.7	0	0	0	640	540	-14.7	1,160	1,130	-2.6	290	250	-13.8	22	22	0	0	0	0	0	0			
SE	23	511, 512, 581, 59, 591	0	0	0	220	220	0	1,220	1,220	0	0	0	0	455	455	0	370	370	0	370	370	0	23	23	0	0	0	0	0	0			
SW	24	70, 71, 711, 72, 73	3,460	2,225	-35.8	485	485	0	1,770	1,685	-4.8	440	200	-54.5	730	920	26	860	960	11.6	240	205	-14.5	24	24	0	0	0	0	0	0			
SW	25	65, 67	250	250	0	150	150	0	2,450	2,065	-16.7	0	0	0	1,380	1,065	-22.6	1,070	870	-18.3	0	0	0	25	25	0	0	0	0	0	0	0		
SW	26	68, 681	0	0	0	95	95	0	575	575	0	0	0	0	505	505	0	70	70	0	10	10	0	26	26	0	0	0	0	0	0	0		
SE	27	86, 891, 891	0	0	0	195	195	0	815	815	0	315	315	0	0	0	0	500	500	0	300	300	0	27	27	0	0	0	0	0	0	0		
SE	28	69, 84	130	105	-19.2	90	60	-33.3	529	559	0	37	37	0	225	225	0	237	207	-12.7	125	125	0	28	28	0	0	0	0	0	0	0		
SW	30	74, 741	1,300	690	-46.9	195	195	0	545	520	-4.5	0	0	0	415	415	0	130	105	-19.2	70	45	-36.7	30	30	0	0	0	0	0	0	0		
SW	31	75, 751, 77, 771, 78	3,665	2,280	-37.7	445	415	-6.7	1,630	1,630	0	0	0	0	1,310	1,310	0	300	320	0	80	75	-6.2	31	31	0	0	0	0	0	0	0		
SW	32	80, 81	0	0	0	165	165	0	820	820	0	0	0	0	490	490	0	340	340	0	40	40	0	32	32	0	0	0	0	0	0	0	0	
SE	33	83, 85, 851, 140	8	8	0	395	330	-16.4	2,459	2,152	-12.4	1,685	1,375	-18.3	20	20	0	754	577	-23.3	365	365	0	33	33	0	0	0	0	0	0	0		
NW	34	76, 79	180	180	0	125	125	0	1,520	1,620	6.5	0	0	0	665	665	0	855	855	0	116	0	0	0	0	0	0	0	0	0	0	0	0	
NE	35	84, 85	0	0	0	230	230	0	1,965	1,955	-0.5	690	690	0	0	0	0	1,285	1,265	-1.6	425	425	0	35	35	0	0	0	0	0	0	0	0	0
NW	36	29, 38	30	30	0	90	90	0	515	465	-9.7	0	0	0	90	90	0	1,485	1,410	-5.1	100	100	0	38	38	0	0	0	0	0	0	0	0	0
NE	39	30, 46, 391, 461	240	240	0	240	240	0	785	760	-3.1	0	0	0	375	375	0	410	385	-6	280	255	-8.9	39	39	0	0	0	0	0	0	0	0	
NE	40	60	0	0	0	30	30	0	205	226	14.6	70	70	0	46	46	0	16	120	33.3	90	80	-11.1	40	40	0	0	0	0	0	0	0	0	
SW	43	95, 951	635	628	-1.1	275	275	0	965	965	0	0	0	0	250	250	0	715	715	0	0	0	0	43	43	0	0	0	0	0	0	0	0	
NW	47	1	2	2	0	9	9	0	111	111	0	11	11	0	0	0	0	100	100	0	10	10	0	47	47	0	0	0	0	0	0	0	0	
NE	51	91, 104, 105, 106, 110, 111	125	125	0	125	125	0	937	937	0	26	26	0	255	255	0	656	656	0	500	500	0	51	51	0	0	0	0	0	0	0	0	0
SE	53	133, 134, 136, 141, 142	0	0	0	20	20	0	100	100	0	0	0	0	30	30	0	70	70	0	0	0	0	53	53	0	0	0	0	0	0	0	0	0
SW	55	682, 791	0	0	0	10	10	0	950	1,150	21	0	0	0	500	700	40	450	450	0	450	450	0	0	0	0	0	0	0	0	0	0	0	0
SE/NE	99	eastern plains units not in a DAU	0	0	0	25	25	0	0	0	0	0	0	0	0	0	0	200	200	0	0	0	0	99	99	0	0	0	0	0	0	0	0	0
<b>STATEWIDE TOTALS</b>			15,330	12,075	-21.2	11,786	11,999	1.9	102,412	100,168	-2.1	16,755	15,990	-4.5	23,060	23,060	0	63,987	61,145	-4.3	11,900	11,620	-2.3											

2021 PRONGHORN  
Colorado Parks and Wildlife  
4/22/2021

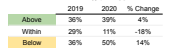


positive % change = increase in licenses  
negative % change = decrease in licenses

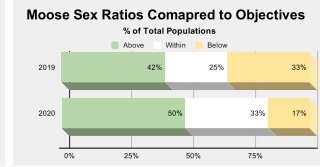
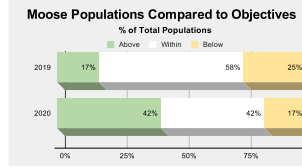
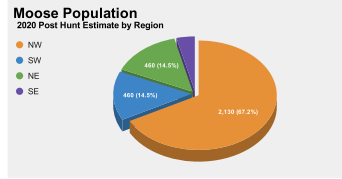
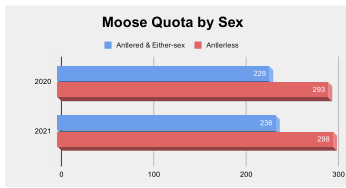
Estimated Populations Compared to Objective Ranges



Estimated Sex Ratios Compared to Objective Ranges



Region	DAU	Units Involved	LIMITED ARCHERY SEASONS			LIMITED MUZZLELOADER SEASONS			LIMITED RIFLE SEASONS*																																	
			2020-2021 PERCENT CHANGE			2020-2021 PERCENT CHANGE			ALL LIMITED RIFLE			ETHEREAL SEX LICENSES			BUCK LICENSES			DOE LICENSES			PLO DOE RIFLE																					
			LICENSES	LICENSES	PERCENT CHANGE	LICENSES	LICENSES	PERCENT CHANGE	LICENSES	LICENSES	PERCENT CHANGE	LICENSES	LICENSES	PERCENT CHANGE	LICENSES	LICENSES	PERCENT CHANGE	LICENSES	LICENSES	PERCENT CHANGE	LICENSES	LICENSES	PERCENT CHANGE																			
NE	1	87, 88, 89, 90, 94, 95, 951	275	275	0	195	195	0	2,080	1,810	-12.8	0	0	0	895	895	-4.4	1,189	950	-19.4	540	515	-4.8	1	Below	6,500	7,500	7,500	9,800	7,530	7,600	Above	30	35	30	54	53	43	1	NE		
NE	2	99, 100	0	0	0	35	35	0	315	315	0	0	0	0	125	125	0	190	190	0	0	0	0	0	0	2	Within	1,400	1,700	1,500	1,660	1,610	1,480	Above	25	30	30	29	32	31	2	NE
NW	3	6, 16, 17, 161, 171	90	90	0	45	65	44.4	140	165	17.8	7	7	0	83	83	0	50	75	50	0	0	0	0	3	Within	1,400	1,600	1,600	1,500	1,420	1,440	Below	30	40	40	43	29	29	3	NW	
NE	4	93, 97, 98, 101, 102	0	0	0	10	10	0	100	100	0	0	0	0	60	60	0	40	40	0	0	0	0	0	0	4	Within	650	650	650	640	630	640	Below	25	30	30	16	19	19	4	NE
SE	5	120, 121, 125, 126	0	0	0	100	100	0	1,500	1,300	-16.1	0	0	0	600	600	-16.6	950	800	-15.7	0	0	0	0	5	Below	3,000	4,000	3,500	3,900	2,790	3,010	Below	35	45	40	40	25	23	5	SE	
SE	6	112, 113, 114, 115	0	0	0	100	100	0	1,650	1,650	0	0	0	0	450	450	0	1,200	1,200	0	0	0	0	0	6	Above	2,250	2,750	2,500	2,800	2,950	2,700	Above	20	30	25	21	34	30	6	SE	
SE	7	128, 129, 130, 134, 135, 140, 141, 142, 147	0	0	0	300	225	-26.6	3,090	2,830	-8.4	0	0	0	1,048	1,046	0	2,044	1,784	-12.7	1,020	870	-14.7	7	Above	7,800	8,800	8,000	10,150	8,990	9,450	Within	30	40	35	39	40	35	7	SE		
SE	8	110, 111, 116, 119, 123, 124	0	0	0	800	800	0	3,860	3,555	-15.6	0	0	0	1,260	1,105	-12.3	2,050	2,150	17.3	0	0	0	0	8	Above	5,400	6,600	6,000	10,100	8,790	7,510	Below	25	35	30	55	53	49	8	SE	
NW	9	3, 4, 5, 13, 14, 214, 301, 441	260	260	0	120	120	0	1,961	2,024	3.2	20	10	-50	1,235	1,269	2.7	706	745	5.5	430	430	0	9	Above	15,800	15,800	15,800	18,950	19,380	20,910	Below	55	55	55	39	38	41	9	NW		
NW	10	11	10	10	0	10	10	0	70	80	14.2	0	0	0	36	46	27.7	34	34	0	0	0	0	10	Below	1,400	1,400	1,400	470	420	410	Below	40	40	40	22	14	18	10	NW		
NW	11	1, 2, 201	10	10	0	10	10	0	75	85	13.3	0	0	0	50	60	20	25	25	0	0	0	0	11	Below	3,200	3,200	3,200	1,420	1,470	1,410	Below	68	68	68	41	42	40	11	NW		
SE	12	116, 117, 122, 127	0	0	0	100	100	0	750	550	-26.6	0	0	0	300	200	-33.3	450	350	-22.2	0	0	0	12	Below	1,500	2,000	1,750	1,350	1,190	1,250	Below	35	45	40	38	28	22	12	SE		
SE	13	130, 136, 137, 138, 143, 144, 146	0	0	0	100	100	0	1,601	1,603	0.1	2	3	50	539	541	0.3	1,060	1,059	0	800	800	0	13	Below	3,000	4,000	3,500	3,060	2,960	2,890	Within	23	31	27	20	25	21	13	SE		
SW	14	68, 79, 82, 85, 862, 791	40	40	0	10	10	0	145	145	0	0	0	0	110	110	0	35	35	0	30	30	0	14	Below	2,000	2,500	2,000	1,460	1,470	1,590	Below	27	33	30	16	12	17	14	SW		
SW	16	80, 81, 83	20	20	0	0	0	0	60	80	33.3	0	0	0	60	60	0	0	0	0	0	0	0	16	Below	1,000	1,500	1,250	1,170	840	840	Below	27	33	30	32	23	30	16	SW		
SE	18	132, 139, 145	0	0	0	40	40	0	1,000	1,020	2	0	0	0	200	210	5	800	810	1.2	400	800	100	18	Within	300	1,500	1,000	1,030	1,000	1,110	Within	40	100	40	96	40	65	18	SE		
SE	19	100, 106, 107, 109	0	0	0	60	60	0	695	685	0	0	0	0	380	380	0	305	305	0	0	0	0	19	Below	1,800	2,200	2,000	1,990	1,910	1,820	Below	30	40	35	21	13	13	19	SE		
SE	20	69, 84, 85, 86, 891, 851, 861	0	0	0	200	145	-27.5	600	600	-16.6	0	0	0	225	225	0	375	275	-26.6	0	0	0	20	Below	2,200	2,600	2,400	2,310	2,140	2,320	Below	30	40	35	31	27	21	20	SE		
NW	21	10, 21	0	0	0	0	0	0	10	10	0	0	0	10	10	0	0	0	0	0	0	0	0	21	Below	300	300	300	250	250	290	Below	30	30	30	88	88	80	36	21	NW	
SW	23	66, 67, 651	7	7	0	5	5	0	12	12	0	0	0	12	12	0	0	0	0	0	0	0	0	23	Below	450	450	450	310	440	390	Below	40	40	40	28	36	37	34	23	SW	
NE/SE	30	49, 50, 57, 58, 500, 501, 511, 581	100	100	0	30	30	0	150	150	0	0	0	0	85	85	0	65	65	0	0	0	0	30	Below	1,000	1,200	1,100	1,200	640	640	Below	30	35	35	44	55	56	30	NE/SE		
SE	31	59, 591	0	0	0	10	10	0	25	25	0	0	0	15	15	0	10	10	0	0	0	0	0	31	Above	200	200	200	280	260	280	Below	80	80	80	69	69	67	31	SE		
NE	33	9, 19, 191	0	0	0	35	38	8.5	340	290	-14.7	0	0	0	145	145	0	195	145	-25.6	35	35	0	33	Above	1,000	1,200	1,050	1,130	1,360	1,370	Above	25	30	27	103	44	45	33	NE		
NW	34	12, 23, 211	10	10	0	10	10	0	94	94	0	8	8	0	40	40	0	48	48	0	35	35	0	34	Below	200	300	300	200	260	250	Below	35	35	35	51	50	45	34	NW		
NE	35	51, 104, 105	0	0	0	160	160	0	882	882	0	29	29	0	420	420	0	533	533	0	0	0	0	35	Below	4,000	5,000	4,500	4,960	940	860	Above	30	35	35	40	101	84	35	NE		
NE	36	7, 8	0	0	0	15	15	0	90	90	0	0	0	0	50	50	0	40	40	0	30	30	0	36	Above	550	650	600	570	4820	4,940	Above	30	35	33	47	36	36	36	NE		
NW	37	15, 16, 26, 27, 28, 37, 181, 231, 371	75	75	0	110	110	0	295	320	8.4	0	0	0	120	130	8.5	175	190	8.5	50	50	0	37	Within	600	800	700	620	700	770	Above	35	45	40	87	84	82	37	NW		
SE	39	45, 56, 681	0	40	100	15	10	-33.3	15	10	-33.3	0	0	0	10	5	-50	5	5	0	0	0	0	39	Within	150	200	200	150	200	210	Below	20	25	25	16	3	12	39	ALL		
ALL	99	units not in a DAU	2	2	0	0	0	0	25	20	-19.0	0	0	0	10	10	0	15	0	-100	0	0	0	99																		
STATEWIDE TOTALS			897	93																																						



positive % change = increase in licenses  
negative % change = decrease in licenses

Region	DAU	Units Involved	ANTLERED & EITHER-SEX SEASONS						ANTLERLESS SEASONS						TOTAL LICENSES FOR ALL SEASONS					
			Nonresident Licenses			Resident Licenses*			Nonresident Licenses			Resident Licenses*			Antlered & Either-sex			Antlerless		
			2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE
NW	1	6, 16, 17, 191, 171	4	5	25	57	61	7	0	0	0	65	74	14	61	66	8	73	52	123
NE	2	7, 8, 19, 191	2	3	50	18	18	0	4	5	25	38	42	11	20	21	5	42	47	119
NW	3	15, 18, 27, 28, 36, 37, 181, 361, 371	8	7	-12.5	49	43	-12.2	6	7	16.6	61	52	-15	57	50	-12.2	67	59	-11.9
SW	4	65, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 661, 662, 711, 741, 751, 771, 791	2	2	0	19	19	0	0	0	0	6	9	50	21	21	0	6	9	50
NW	5	41, 42, 43, 52, 53, 54, 63, 64, 411, 421, 521	2	1	-50	15	15	0	5	3	-40	40	28	-30	17	16	-5.8	45	31	-31.1
NW	6	12, 13, 23, 24, 25, 26, 33, 34, 35, 131, 231	0	0	0	7	11	57.1	0	0	0	10	16	60	7	11	57.1	10	16	60
NE	7	20, 29, 39	1	0	-100	8	8	0	2	2	0	16	16	13	9	8	-11.1	16	20	11.1
NE	8	39, 46, 49, 60, 61, 391, 500, 501	1	1	0	14	15	7.1	3	3	0	20	21	5	15	16	6.6	23	24	4.3
NW	9	4, 5, 14, 214, 441	2	2	0	9	9	0	1	1	0	8	8	0	11	11	0	9	9	0
NW	10	1, 201	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0
NW	11	44, 45, 47, 444, 471	0	0	0	2	4	100	0	0	0	0	1	100	2	4	100	0	1	100
SE/SW	12	48, 55, 56, 471, 481, 551, 561	0	0	0	6	9	50	0	0	0	6	9	50	0	0	0	6	9	50
ALL	99	units not in a DAU	0	0	0	6	9	50	0	0	0	0	0	0	2	2	0	0	0	0
<b>STATEWIDE TOTALS</b>			22	21	-4.5	205	213	3.9	29	29	0	264	269	1.8	229	236	3	293	298	1.7

Units 47 and 471 moved from DAU 05 to DAU 12 in 2021

\*Ranching for Wildlife quota are included in resident licenses

DAU	Region	2020 Relative to Pop. Obj. Range	POPULATION OBJECTIVE RANGE				MODELED POST-HUNT POPULATIONS			POST-HUNT SEX RATIO OBJECTIVE RANGE				MODELED POST-HUNT SEX RATIOS			Number of Animals Classified in 2020
			Minimum	Maximum	Target	2019 ESTIMATE	2020 ESTIMATE	2021 PROJECTION	2020 Relative to Sex Ratio Obj. Range	Minimum	Maximum	Target	2019 ESTIMATE	2020 ESTIMATE	2021 PROJECTION		
			2019	2020	% Change	2019	2020	% Change									
1	NW	Below	500	600	560	530	810	800	Above	60	70	65	64	62	79	209	
2	NE	Within	200	250	225	300	230	200	Above	70	85	75	164	149	200	2	
3	NW	Below	190	190	190	200	160	210	Above	65	65	65	26	110	68	3	
4	SW	Within	400	500	450	460	460	450	Below	55	65	60	50	50	44	4	
5	NW	Above	300	400	400	840	840	810	Above	55	65	60	79	79	77	5	
6	NW	Within	100	200	150	150	150	160	Within	50	50	50	50	50	37	8	
7	NE	Above	80	90	90	90	100	90	Within	80	80	80	75	80	103	7	
8	NE	Below	150	150	150	150	130	120	Above	65	65	65	118	100	103	8	
9	NW	Above	40	100	80	90	120	100	Above	50	80	70	200	83	78	9	
10	NW	Within	15	15	15	20	20	20	Below	100	100	100	75	75	61	10	
11	NW	Within	30	60	45	20	40	40	Within	0	100	65	100	100	129	11	
12	SE-SW	Above	110	110	110	110	120	120	Within	50	50	50	50	50	36	12	
99	ALL		2,125	2,665	2,455	2,900	3,160	3,180		58	68	64	79	81	22	208	

Region	DAU	Units Involved	ANTLERED & EITHER-SEX SEASONS						ANTLERLESS SEASONS						TOTAL LICENSES FOR ALL SEASONS					
			Nonresident Licenses			Resident Licenses*			Nonresident Licenses			Resident Licenses*			Antlered & Either-sex			Antlerless		
			2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE	2020	2021	PERCENT CHANGE
NW	1	6, 16, 17, 191, 171	4	5	25	57	61	7	0	0	0	65	74	14	61	66	8	73	52	123
NE	2	7, 8, 19, 191	2	3	50	18	18	0	4	5	25	38	42	11	20	21	5	42	47	119
NW	3	15, 18, 27, 28, 36, 37, 181, 361, 371	8	7	-12.5	49	43	-12.2	6	7	16.6	61	52	-15	57	50	-12.2	67	59	-11.9
SW	4	65, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 661, 662, 711, 741, 751, 771, 791	2	2	0	19	19	0	0	0	0	6	9	50	21	21	0	6	9	50
NW	5	41, 42, 43, 52, 53, 54, 63, 64, 411, 421, 521	2	1	-50	15	15	0	5	3	-40	40	28	-30	17	16	-5.8	45	31	-31.1
NW	6	12, 13, 23, 24, 25, 26, 33, 34, 35, 131, 231	0	0	0	7	11	57.1	0	0	0	10	16	60	7	11	57.1	10	16	60
NE	7	20, 29, 39	1	0	-100	8	8	0	2	2	0	16	16	13	9	8	-11.1	16	20	11.1
NE	8	39, 46, 49, 60, 61, 391, 500, 501	1	1	0	14	15	7.1	3	3	0	20	21	5	15	16	6.6	23	24	4.3
NW	9	4, 5, 14, 214, 441	2	2	0	9	9	0	1	1	0	8	8	0	11	11	0	9	9	0
NW	10	1, 201	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	0	0
NW	11	44, 45, 47, 444, 471	0	0	0	2	4	100	0	0	0	0	1	100	2	4	100	0	1	100
SE/SW	12	48, 55, 56, 471, 481, 551, 561	0	0	0	6	9	50	0	0	0	6	9	50	0	0	0	6	9	50
ALL	99	units not in a DAU	0	0	0	6	9	50	0	0	0	0	0	0	2	2	0	0	0	0
<b>STATEWIDE TOTALS</b>			22	21	-4.5	205	213	3.9	29	29	0	264	269	1.8	229	236	3	293	298	1.7

DAU	Region	2020 Relative to Pop. Obj. Range	POPULATION OBJECTIVE RANGE				MODELED POST-HUNT POPULATIONS			POST-HUNT SEX RATIO OBJECTIVE RANGE				MODELED POST-HUNT SEX RATIOS			Number of Animals Classified in 2020
			Minimum	Maximum	Target	2019 ESTIMATE	2020 ESTIMATE	2021 PROJECTION	2020 Relative to Sex Ratio Obj. Range	Minimum	Maximum	Target	2019 ESTIMATE	2020 ESTIMATE	2021 PROJECTION		
			2019	2020	% Change	2019	2020	% Change									
1	NW	Below	500	600	560	530	810	800	Above	60	70	65	64	62	79	209	
2	NE	Within	200	250	225	300	230	200	Above	70	85	75	164	149	200	2	
3	NW	Below	190	190	190	200	160	210	Above	65	65	65	26	110	68	3	
4	SW	Within	400	500	450	460	460	450	Below	55	65	60	50	50	44	4	
5	NW	Above	300	400	400	840	840	810	Above	55	65	60	79	79	77	5	
6	NW	Within	100	200	150	150	150	160	Within	50	50	50	50	50	37	8	
7	NE	Above	80	90	90	90	100	90	Within	80	80	80	75	80	103	7	
8	NE	Below	150	150	150	150	130	120	Above	65	65	65	118	100	103	8	
9	NW	Above	40	100	80	90	120	100	Above	50	80	70	200	83	78	9	
10	NW	Within	15	15	15	20	20	20	Below	100	100	100	75	75	61	10	
11	NW	Within	30	60	45	20	40	40	Within	0	100	65	100	100	129	11	
12	SE-SW	Above	110	110	110	110	120	120	Within	50	50	50	50	50	36	12	
99	ALL		2,125	2,665	2,455	2,900	3,160	3,180		58	68	64	79	81	22	208	

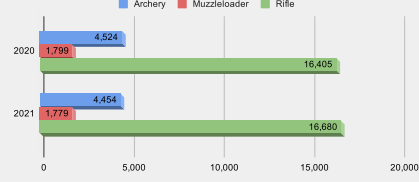


# 2021 BEAR

Colorado Parks and Wildlife  
4/22/2021

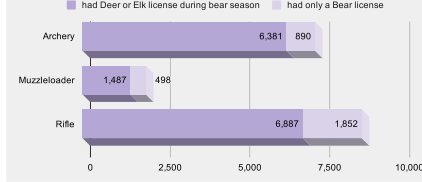


### Black Bear Limited Quota by Manner of Take



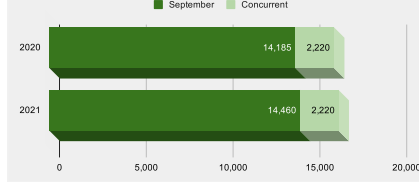
\*The 2020-2024 Big Game Season Structure created unlimited OTC black bear licenses in DAUs which have a management strategy of reducing bear populations and where harvest objectives are not being met.

### 2020 Black Bear vs. Other Licenses Held by Manner of Take

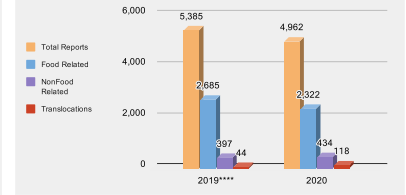


positive % change = increase in licenses  
negative % change = decrease in licenses

### Black Bear Rifle Quota September vs. Concurrent Seasons



### Black Bear Incident Reports\*



\* Each incident report may be counted in more than one category  
\*\*\*\* This is only a partial year's data (April 1, 2019 - Dec 31, 2019).

Region	DAU	Units Involved	DAU Management Goal	HAS UNLIMITED OTC SEASONS		LIMITED ARCHERY SEASONS			LIMITED MUZZLELOADER SEASONS			LIMITED RIFLE SEASONS			2021 PREDICTED	3 YEAR (2018-2020) AVERAGE	2018-2020 AGE/GENDER COMPOSITION			DAU	Region							
				ARCHERY MUZZLELOADER, & CONCURRENT RIFLE		PRIVATE LAND ONLY (PLO)		2020-2021 PERCENT CHANGE			2020-2021 PERCENT CHANGE			2020-2021 PERCENT CHANGE			% IN HARVEST											
				2020 LICENSES	2021 LICENSES	2020 LICENSES	2021 LICENSES	2020 LICENSES	2021 LICENSES	PERCENT CHANGE	2020 LICENSES	2021 LICENSES	PERCENT CHANGE	2020 LICENSES	2021 LICENSES	PERCENT CHANGE	HARVEST	TOTAL MORTALITY	HARVEST			TOTAL MORTALITY	ADULT MALE	FEMALES	ADULT FEMALES IN FEMALE HARVEST			
NW	1	21, 22, 30, 31, 32	Slight Decrease	YES	YES	YES	YES	200	175	-13	60	60	0	800	775	-3	0	0	0	48	58	49	59	23	36	50	1	NW
SE	2	58, 59, 511, 512, 581, 591	Stable following Decrease	no	no	YES	YES	175	175	0	70	70	0	345	345	0	175	175	0	22	48	22	48	30	30	67	2	SE
NE	3	7, 8, 9, 19, 20, 29, 38, 191	Stable	no	no	YES	YES	130	130	0	55	55	0	545	545	0	320	320	0	32	49	28	45	20	32	50	3	NE
NW	4	4, 5, 6, 14, 16, 17, 161, 171, 214, 441	Decrease	YES	YES	YES	YES	300	300	0	100	100	0	1,000	1,200	20	0	0	0	101	133	85	116	14	44	52	4	NW
SW	5	40, 60, 61, 62, 64, 65, 70	Decrease	mixed	mixed	YES	YES	630	630	0	140	140	0	1,370	1,370	0	10	10	0	188	224	194	229	31	40	67	5	SW
SW	6	71, 72, 73, 74, 711, 741	Decrease	YES	YES	YES	YES	100	120	20	20	35	75	680	780	15	0	0	0	147	175	121	149	29	38	68	6	SW
SW	7	69, 82, 83, 84, 85, 86, 140, 691, 851, 861	Stable following Decrease	no	no	YES	YES	154	154	0	69	69	0	570	570	0	260	260	0	123	160	120	157	19	37	53	7	SW
NW	10	12, 13, 23, 24, 25, 26, 33, 34, 131, 231	Slight Decrease	YES	YES	YES	YES	560	510	-9	300	250	-17	1,240	1,240	0	0	0	0	161	226	128	193	13	40	42	10	NW
NW	11	35, 36, 43, 44, 45, 47, 444, 471	Slight Decrease	no	no	YES	YES	630	630	0	300	300	0	2,320	2,320	0	800	800	0	143	177	100	134	20	40	49	11	NW
SW	12	54, 55, 66, 67, 551	Stable	no	no	no	no	160	160	0	120	120	0	320	320	0	130	130	0	19	24	17	22	38	33	57	12	SW
SW	13	68, 76, 79, 80, 81, 681, 682, 791	Stable	no	no	no	no	140	140	0	60	60	0	360	360	0	110	110	0	27	35	23	31	27	27	50	13	SW
SE	14	48, 49, 56, 57, 481, 561	Stable	no	no	YES	YES	110	110	0	45	45	0	490	490	0	240	240	0	6	10	6	10	33	50	67	14	SE
NW	15	1, 2, 3, 10, 11, 201, 211, 301	Stable	no	no	no	no	95	95	0	40	40	0	350	350	0	175	175	0	26	31	18	23	7	47	29	15	NW
NW	16	15, 18, 27, 28, 37, 181, 371	Slight Decrease	YES	YES	YES	YES	150	150	0	50	50	0	200	200	0	0	0	0	73	94	68	89	22	41	55	16	NW
NW	17	41, 42, 52, 53, 63, 411, 421, 521	Decrease	YES	YES	YES	YES	750	700	-7	250	250	0	2,500	2,500	0	0	0	0	280	351	258	328	19	35	51	17	NW
SW	18	75, 77, 78, 751, 771	Decrease	YES	YES	YES	YES	90	125	39	30	45	50	700	700	0	0	0	0	138	165	127	153	26	37	66	18	SW
NE	19	39, 46, 50, 51, 104, 391, 461, 500, 501	Decrease	YES	YES	YES	YES	150	150	0	90	90	0	395	395	0	0	0	0	28	57	26	55	14	33	71	19	NE
ALL	99	eastern plains units not in a DAU	None	YES	YES	no	no	0	0	0	0	0	0	0	0	0	0	0	0	6	16			23	38	57	99	ALL
<b>STATEWIDE TOTALS</b>								4,524	4,454	-2	1,799	1,779	-1	14,185	14,460	2	2,220	2,220	0	1,562	2,017	1,390	1,841	23	38	57		

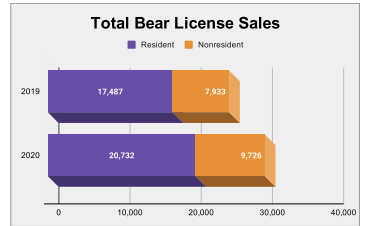
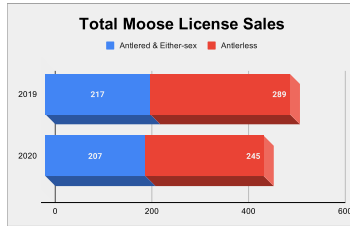
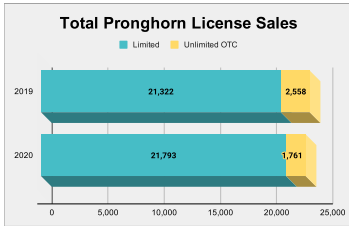
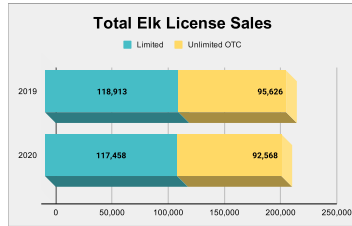
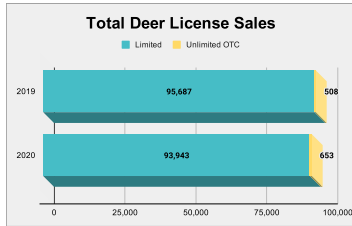
Has OTC Archery, Muzzleloader, & Concurrent Rifle

\*\*\*Limited September rifle numbers include early rifle and Ranching for Wildlife seasons

Harvest Composition Monitoring Standards			
Decreasing	<25%	>40%	>55%
Stable	25-35%	30-40%	45-55%
Increasing	>35%	<30%	<45%

# 2019-2020 BIG GAME LICENSE SALES COMPARISON BY LICENSE TYPE

4/22/2021



## DEER

## DEER

License Type	TOTAL Licenses Sold			ARCHERY SEASONS Licenses Sold			MUZZLELOADER SEASONS Licenses Sold			ALL RIFLE SEASONS * Licenses Sold												LIMITED LICENSE DRAWS Applications Submitted						
	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	TOTAL RIFLE			EITHER-SEX ONLY RIFLE			ANTLERED ONLY RIFLE			ANTLERLESS ONLY RIFLE			PRIMARY DRAW		LEFTOVER/SECONDARY DRAW		License Type		
										2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019		2020	PERCENT CHANGE
Limited	95,687	93,943	-1.8	13,079	13,053	-0.1	8,298	8,049	-3	74,310	72,841	-1.9	5,243	5,750	9.6	53,194	51,269	-3.6	15,883	15,822	-12	188,371	211,968	13	1,503	9,022	500	Limited
Unlimited OTC	508	653	28.5	0	0	0	0	0	0	508	653	28.5	508	653	28.5	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	Unlimited OTC
<b>Total</b>	<b>96,195</b>	<b>94,596</b>	<b>-1.6</b>	<b>13,079</b>	<b>13,053</b>	<b>-0.1</b>	<b>8,298</b>	<b>8,049</b>	<b>-3</b>	<b>74,818</b>	<b>73,494</b>	<b>-1.7</b>	<b>5,751</b>	<b>6,403</b>	<b>11.3</b>	<b>53,194</b>	<b>51,269</b>	<b>-3.6</b>	<b>15,883</b>	<b>15,822</b>	<b>-12</b>	<b>188,371</b>	<b>211,968</b>	<b>13</b>	<b>1,503</b>	<b>9,022</b>	<b>500</b>	<b>Total</b>

\*Rifle license numbers include all rifle and Season Choice seasons

## ELK

## ELK

License Type	TOTAL Licenses Sold			ARCHERY SEASONS Licenses Sold			MUZZLELOADER SEASONS Licenses Sold			ALL RIFLE SEASONS * Licenses Sold												LIMITED LICENSE DRAWS Applications Submitted						
	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	TOTAL RIFLE			EITHER-SEX ONLY RIFLE			ANTLERED ONLY RIFLE			ANTLERLESS ONLY RIFLE			PRIMARY DRAW		LEFTOVER/SECONDARY DRAW		License Type		
										2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019		2020	PERCENT CHANGE
Limited	118,913	117,458	-1.2	6,456	11,834	83.3	11,863	11,107	-6.3	100,594	94,517	-6	12,255	14,716	20	24,345	20,980	-13.8	63,994	58,821	-5.2	203,204	215,207	6	1,109	13,791	1,144	Limited
Unlimited OTC	95,626	92,568	-3.1	38,544	34,667	-10	0	0	0	57,082	57,901	1.4	1,516	1,801	18.7	55,566	56,100	0.9	0	0	0	0	0	0	100	n/a	n/a	Unlimited OTC
<b>Total</b>	<b>214,539</b>	<b>210,026</b>	<b>-2.1</b>	<b>45,000</b>	<b>46,501</b>	<b>3.3</b>	<b>11,863</b>	<b>11,107</b>	<b>-6.3</b>	<b>157,676</b>	<b>152,418</b>	<b>-3.3</b>	<b>13,771</b>	<b>16,517</b>	<b>19.9</b>	<b>79,911</b>	<b>77,080</b>	<b>-3.5</b>	<b>63,994</b>	<b>58,821</b>	<b>-4.4</b>	<b>203,204</b>	<b>215,207</b>	<b>6</b>	<b>1,109</b>	<b>13,791</b>	<b>1,144</b>	<b>Total</b>

\*Rifle license numbers include all rifle and Season Choice seasons

## PRONGHORN

## PRONGHORN

License Type	TOTAL Licenses Sold			ARCHERY SEASONS Licenses Sold			MUZZLELOADER SEASONS Licenses Sold			ALL RIFLE SEASONS * Licenses Sold												LIMITED LICENSE DRAWS Applications Submitted						
	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	TOTAL RIFLE			EITHER-SEX ONLY RIFLE			ANTLERED ONLY RIFLE			ANTLERLESS ONLY RIFLE			PRIMARY DRAW		LEFTOVER/SECONDARY DRAW		License Type		
										2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019		2020	PERCENT CHANGE
Limited	21,322	21,793	2.2	763	834	9.3	1,671	2,013	20.4	18,888	18,946	0.3	36	95	163.8	7,989	7,871	-1.4	10,863	10,980	-1	71,062	86,913	22	n/a	2,103	100	Limited
Unlimited OTC	2,558	1,761	-31.1	2,558	1,761	-31.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	n/a	n/a	n/a	n/a	n/a	n/a	Unlimited OTC
<b>Total</b>	<b>23,880</b>	<b>23,554</b>	<b>-1.3</b>	<b>3,321</b>	<b>2,995</b>	<b>-21.8</b>	<b>1,671</b>	<b>2,013</b>	<b>20.4</b>	<b>18,888</b>	<b>18,946</b>	<b>0.3</b>	<b>36</b>	<b>95</b>	<b>163.8</b>	<b>7,989</b>	<b>7,871</b>	<b>-1.4</b>	<b>10,863</b>	<b>10,980</b>	<b>-1</b>	<b>71,062</b>	<b>86,913</b>	<b>22</b>	<b>n/a</b>	<b>2,103</b>	<b>100</b>	<b>Total</b>

\*Rifle license numbers include all rifle and Season Choice seasons

## MOOSE

## MOOSE

License Type	TOTAL Licenses Sold			ANTLERED & EITHER-SEX SEASONS ** Licenses Sold			ANTLERLESS SEASONS Licenses Sold			LIMITED LICENSE DRAWS Applications Submitted					
	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	PRIMARY DRAW		LEFTOVER/SECONDARY DRAW		License Type	
										2019	2020	PERCENT CHANGE	2019		2020
Resident	460	411	-11	193	186	-4	267	225	-3					Resident	
Nonresident	46	41	-11	24	21	-13	22	20	-14					Nonresident	
<b>Total</b>	<b>506</b>	<b>452</b>	<b>-11</b>	<b>217</b>	<b>207</b>	<b>-5</b>	<b>289</b>	<b>245</b>	<b>-3</b>	<b>40,984</b>	<b>45,412</b>	<b>11</b>	<b>n/a</b>	<b>Total</b>	

\*\* Includes Auction and Raffle licenses

## BEAR

## BEAR

Residency	License Type	TOTAL Licenses Sold			ARCHERY SEASONS Licenses Sold			MUZZLELOADER SEASONS Licenses Sold			SEPTEMBER RIFLE SEASONS Licenses Sold						CONCURRENT RIFLE SEASONS Licenses Sold						LIMITED LICENSE DRAWS Applications Submitted					
		2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	SEPTEMBER RIFLE			SEPTEMBER PLO			CONCURRENT RIFLE			CONCURRENT PLO			PRIMARY DRAW		LEFTOVER/SECONDARY DRAW		License Type	License Type
											2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019	2020	PERCENT CHANGE	2019		
Resident	Limited	10,776	14,002	30	0	2,513	100	0	875	100	9,104	8,933	-2	886	0	-100	0	1,681	100	786	0	-100				Limited	Resident	
	OTC w Caps	6,643	0	-100	2,183	0	-100	540	0	-100	9	0	-100	123	0	-100	3,656	0	-100	132	0	-100				OTC w Caps		
	Unlimited OTC	68	6,730	9,797	0	1,898	100	0	378	100	0	0	0	0	443	100	68	3,388	4,882	0	623	100				Unlimited OTC		
Nonresident	Limited	17,487	20,732	19	2,183	4,411	102	540	1,253	132	9,113	8,933	-2	1,009	443	56	3,724	5,069	36	918	623	32				Total	Nonresident	
	OTC w Caps	2,299	3,267	42	0	862	100	0	366	100	1,766	1,704	-4	287	0	-100	0	335	100	246	0	-100				Limited		
	Unlimited OTC	5,605	0	-100	1,941	0	-100	598	0	-100	7	0	-100	87	0	-100	2,948	0	-100	24	0	-100				OTC w Caps		
OVERALL	Limited	29	6,459	22,172	0	1,998	100	0	366	100	0	0	0	0	361	100	29	3,463	11,841	0	271	100				Total	OVERALL	
	OTC w Caps	12,248	0	-100	4,124	0	-100	1,138	0	-100	16	0	-100	210	0	-100	6,604	0	-100	156	0	-100	n/a	n/a	n/a	OTC w Caps		
	Unlimited OTC	97	13,189	13,497	0	3,896	100	0	744	100	0	0	0	0	804	100	97	6,851	6,963	0	894	100				Unlimited OTC		
<b>Total</b>	<b>25,420</b>	<b>30,458</b>	<b>20</b>	<b>4,124</b>	<b>7,271</b>	<b>76</b>	<b>1,138</b>	<b>1,985</b>	<b>74</b>	<b>10,886</b>	<b>10,637</b>	<b>-2</b>	<b>1,383</b>	<b>804</b>	<b>-42</b>	<b>6,701</b>	<b>8,667</b>	<b>32</b>	<b>1,188</b>	<b>894</b>	<b>-25</b>	<b>31,994</b>	<b>30,873</b>	<b>-4</b>	<b>n/a</b>	<b>1,802</b>	<b>-4</b>	<b>Total</b>