

Deer, Elk, Pronghorn, and Moose Limited License Recommendations and State of the Herds Update

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Big Game Manager



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Overview

- Limited license recommendations
 - 250,500 limited licenses (-5,900, -7%)
 - 2,600 hunt quotas
- 800,000 total deer, elk, pronghorn, and moose
 - 136 herds or Data Analysis Units (DAUs)
- Acknowledgments



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Tiered Approach of Presenting Recommendations

- This presentation (most general)
 - Statewide summary by species
 - Highlighting select Regional and DAU specific changes
- Commission Mailing
 - Letter to Commission
 - Summary by Region and Species Table
 - Species specific tables
 - DAU level summary
 - Chapter 2, recommended quotas for all 2,600 hunts (most detailed)



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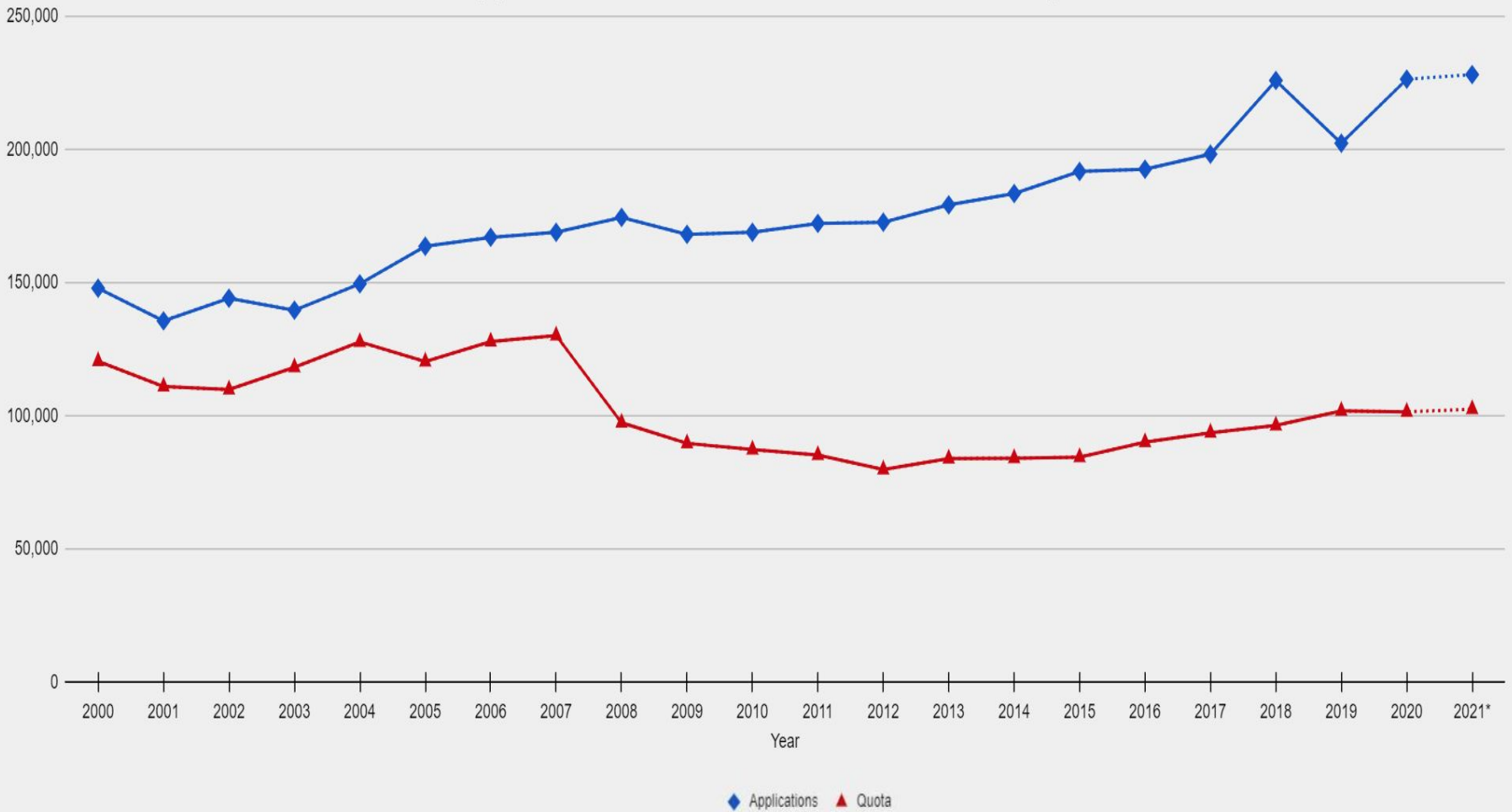
Information Supporting Recommendations

- Herd Management Plan (HMP) objectives
- Herd performance and trends
 - Age and sex classification data
 - Survival rates
 - Population estimates
 - Chronic wasting disease
 - Field observations
 - Public input and reports
- Past licensing trends
- Previous year's harvest



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Deer Applications and Limited License Quotas By Year



	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	226,346	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	84,080	84,442	90,086	93,630	96,348	101,826	101,453	102,503

*Projected Estimate

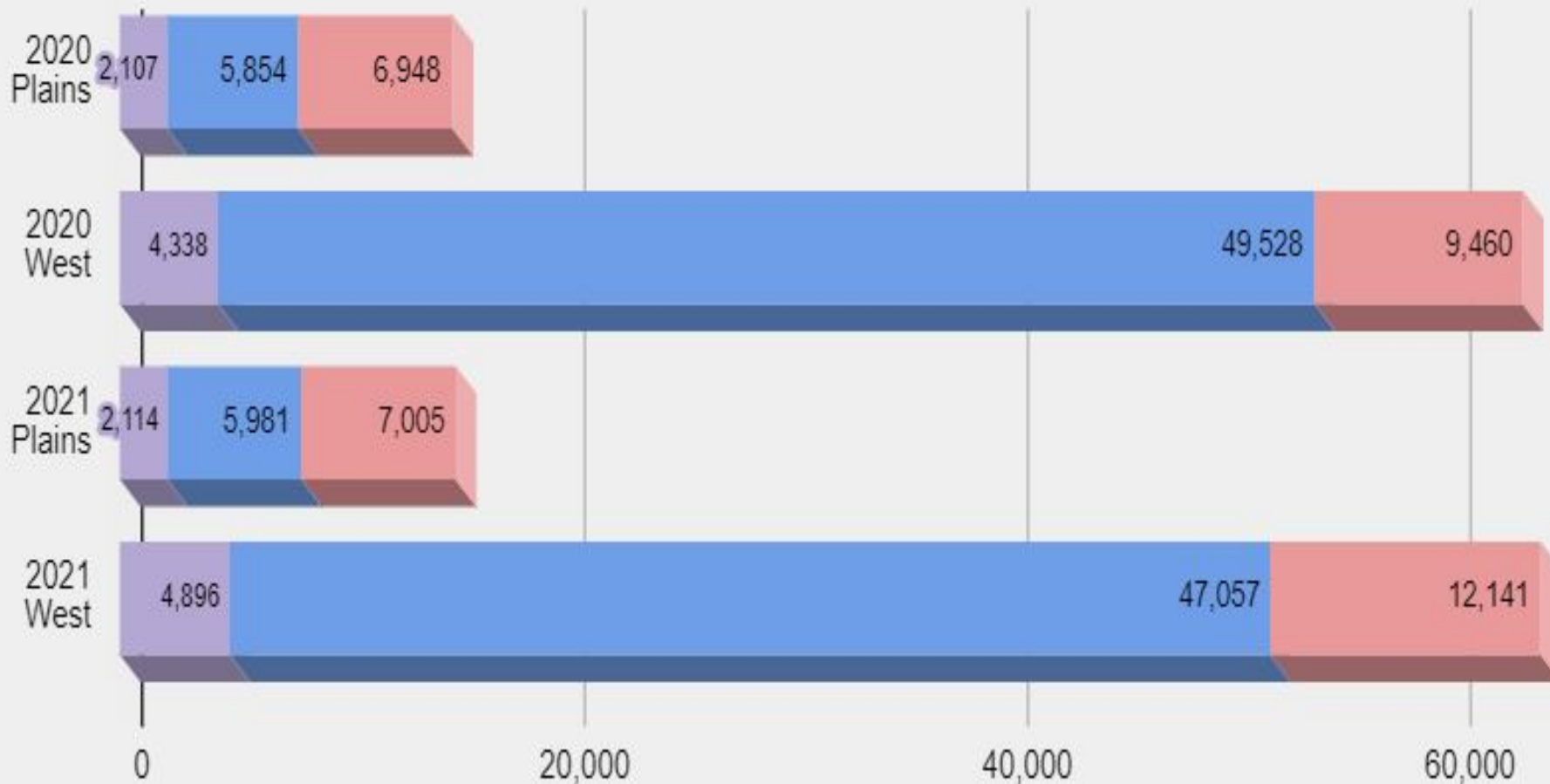


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Deer Rifle Quota by Sex

Plains vs. West of I-25 DAUs

Either-sex Antlered Antlerless

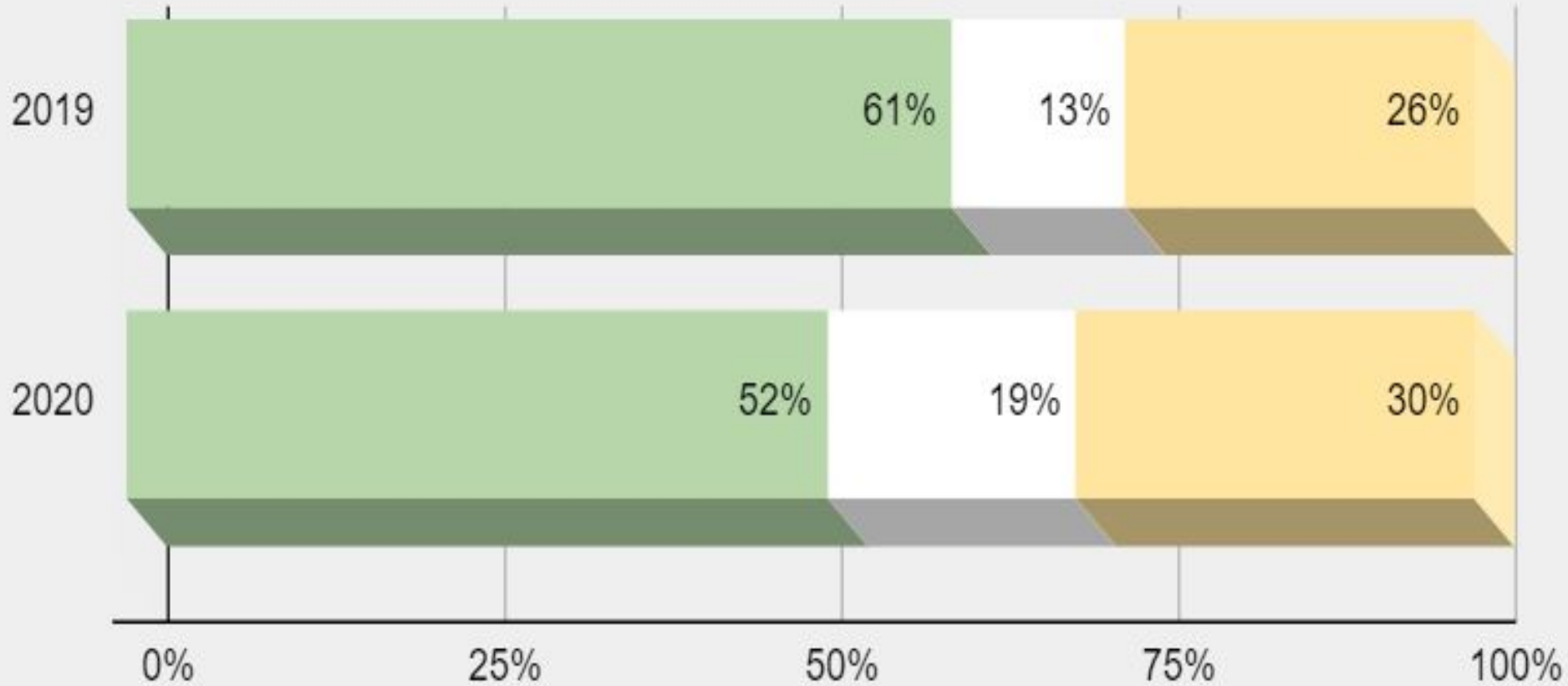


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Deer Sex Ratios Compared to HMP Objective

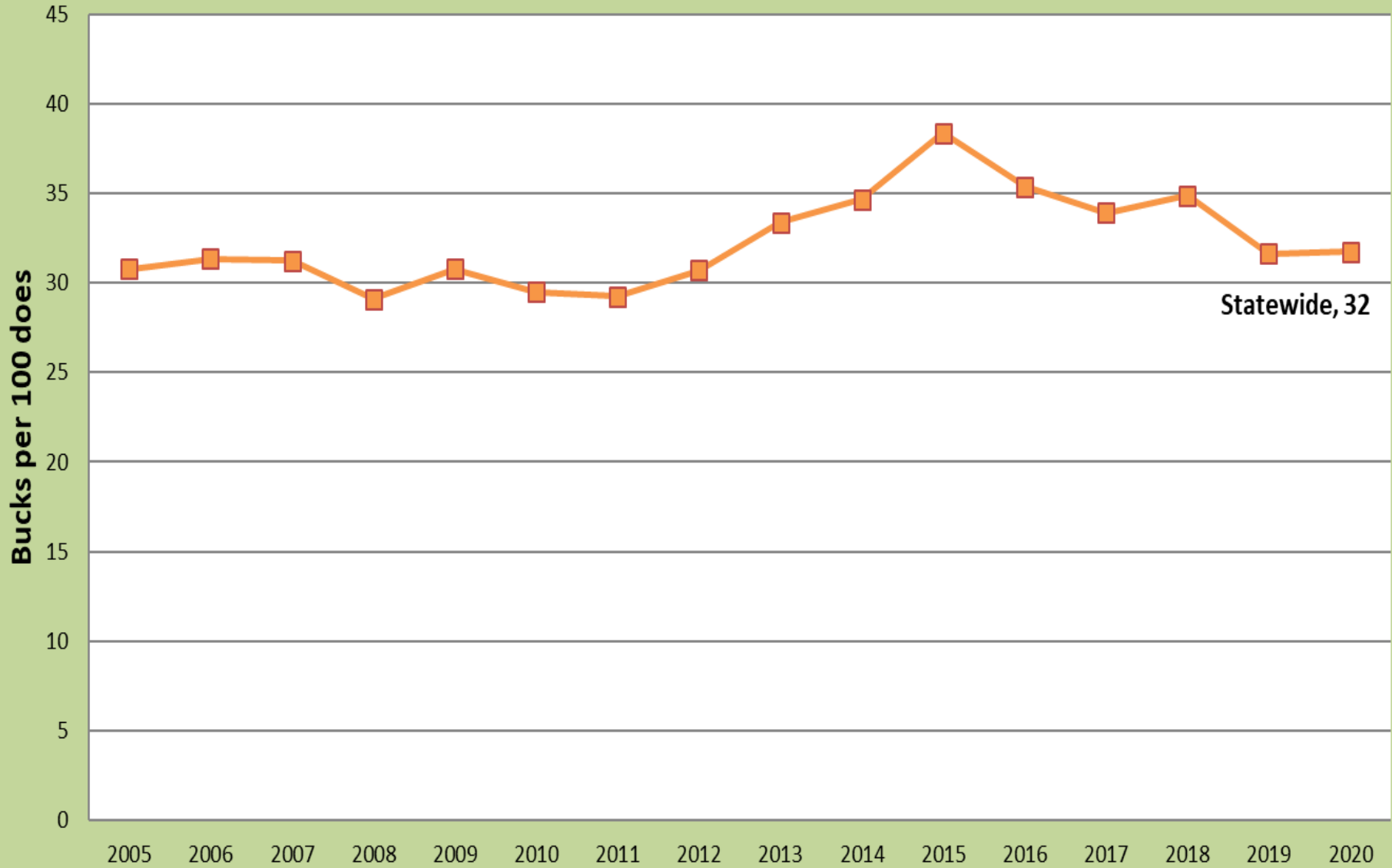
% of DAUs

Above Within Below

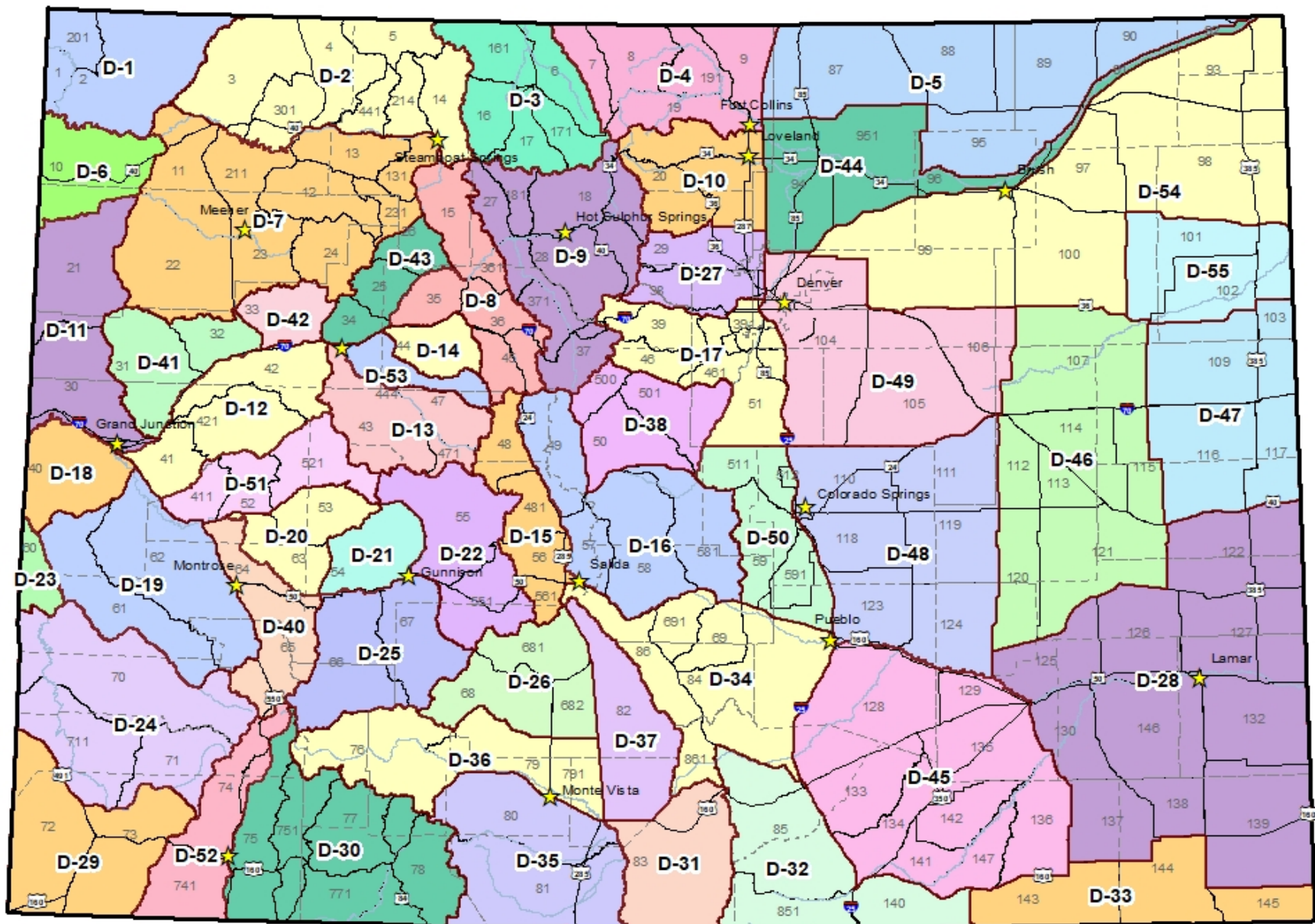


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Statewide Average of Post-hunt Deer Buck/Doe Ratios 2005-2020



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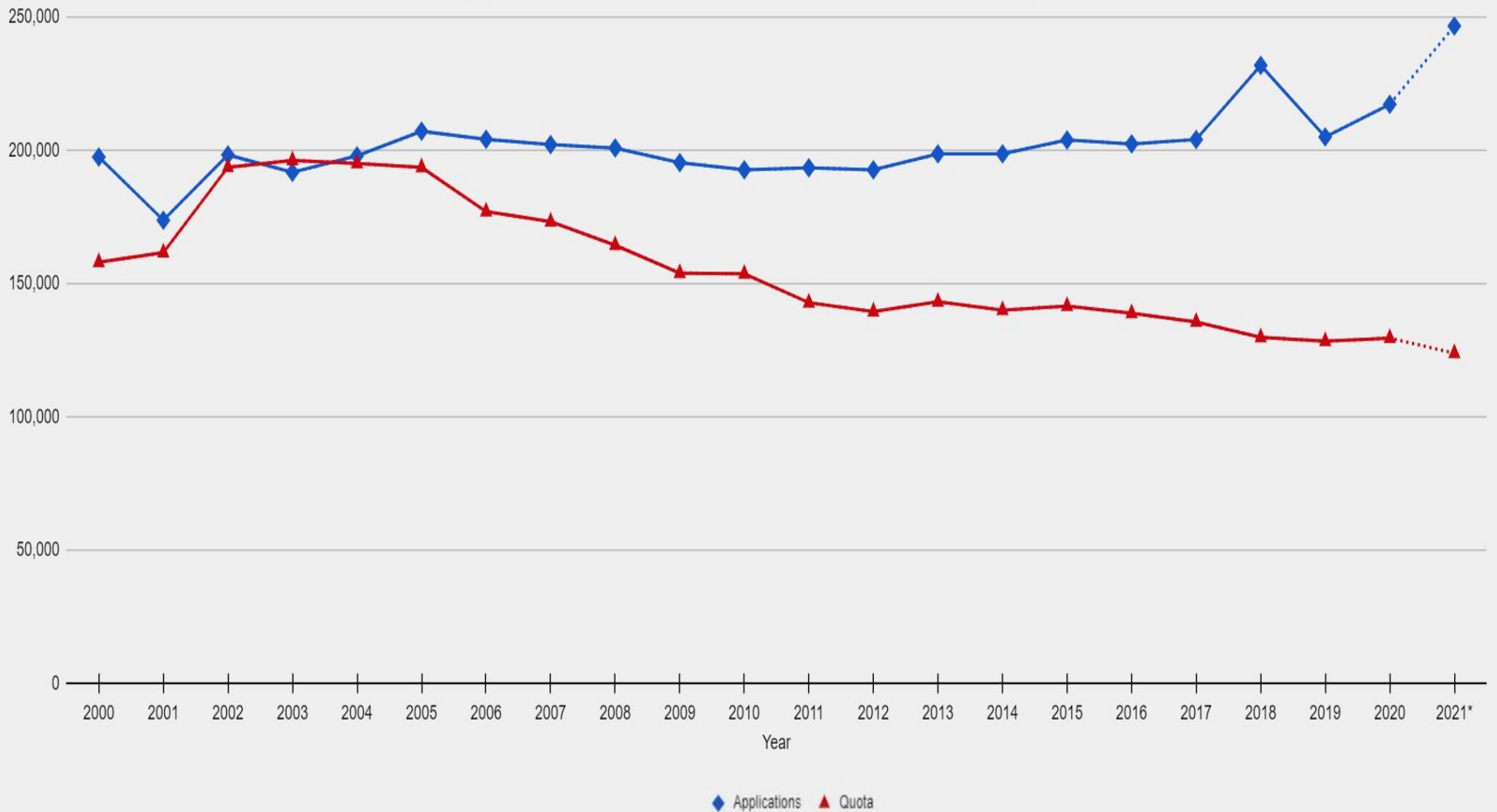
CPW - Deer Data Analysis Units (DAUs)

★ CPW Area Offices

April 2021



Elk Applications and Limited License Quotas By Year



	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	193,555	176,978	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

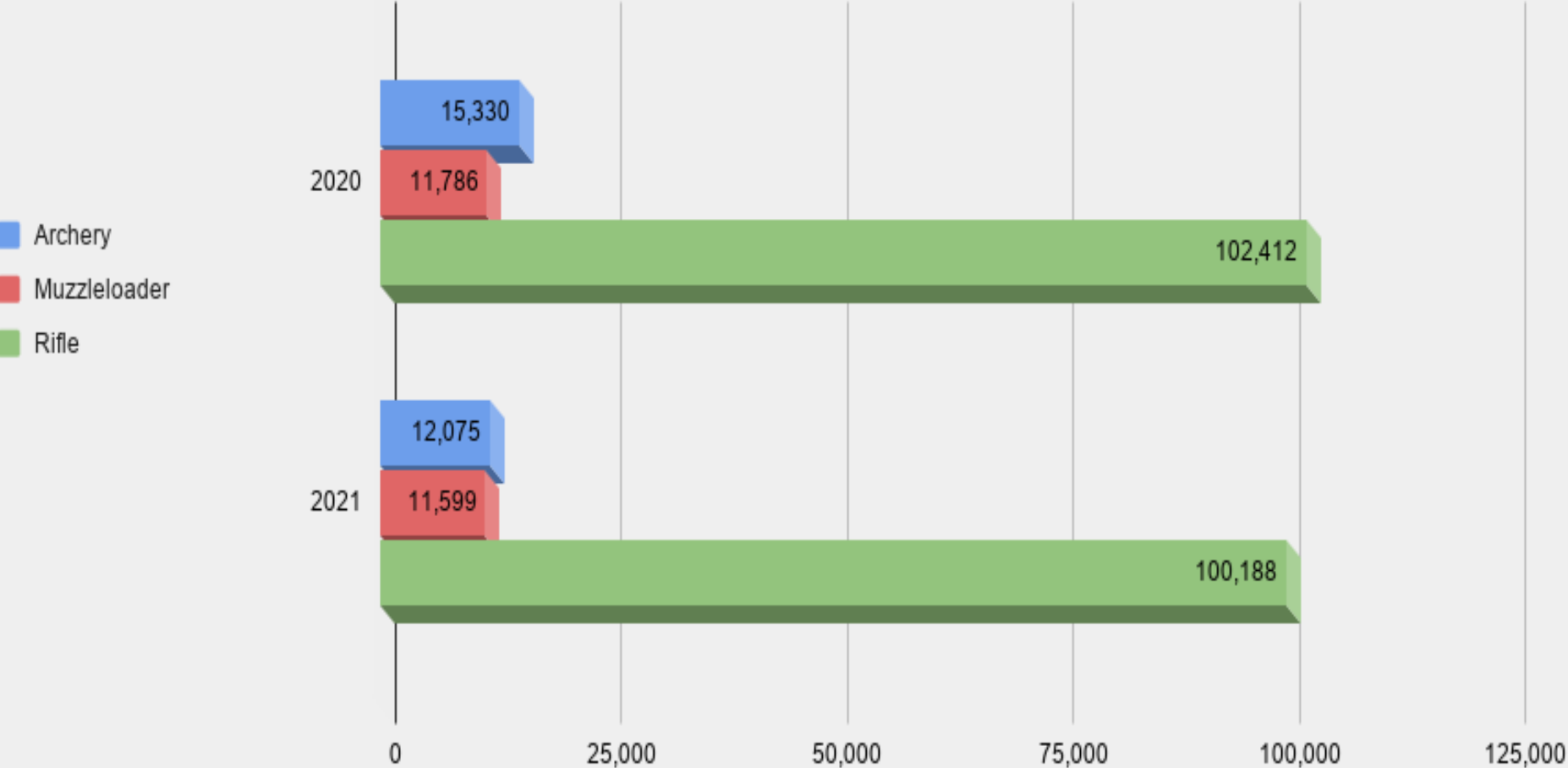
*Projected Estimate



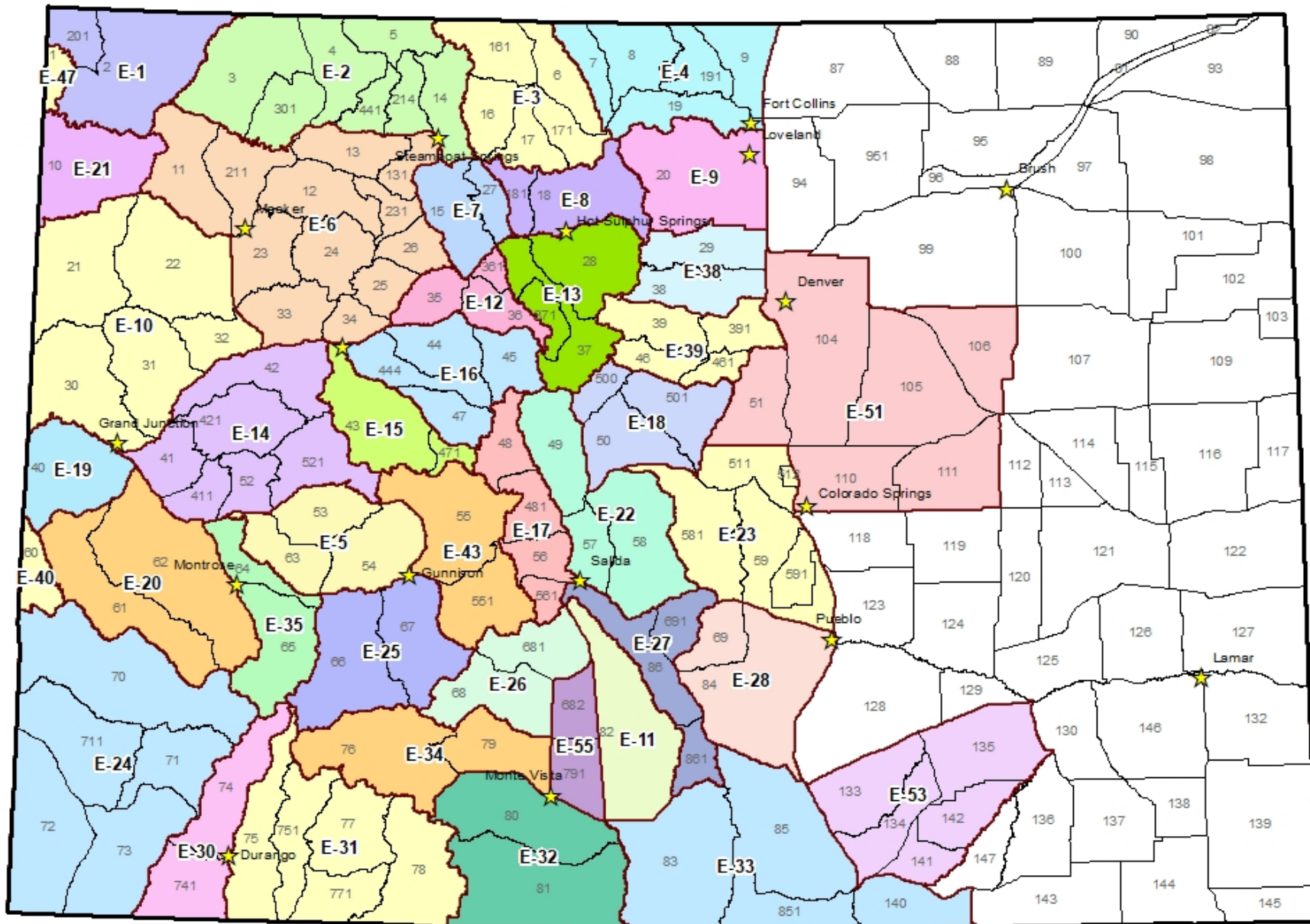
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Elk Quota

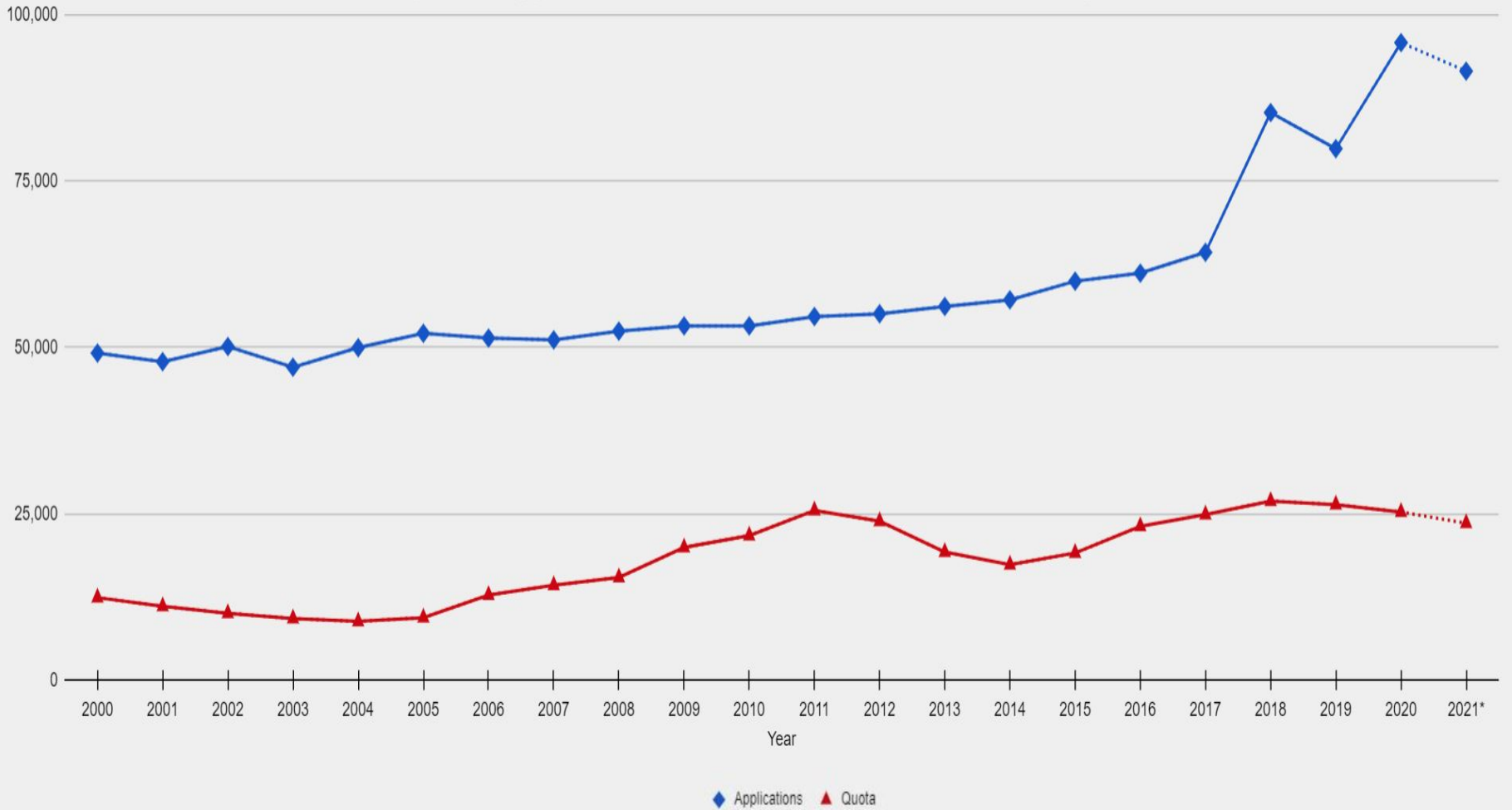
by Manner of Take



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Pronghorn Applications and Limited License Quotas By Year



	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	52,456	53,252	53,242	54,647	55,065	56,174	57,163	59,968	61,178	64,309	85,317	79,886	95,829	91,540
Limited Licenses	12,406	11,095	10,056	9,265	8,827	9,398	12,798	14,262	15,439	19,943	21,736	25,510	23,891	19,259	17,356	19,113	23,132	24,887	26,919	26,388	25,274	23,592

*Projected Estimate



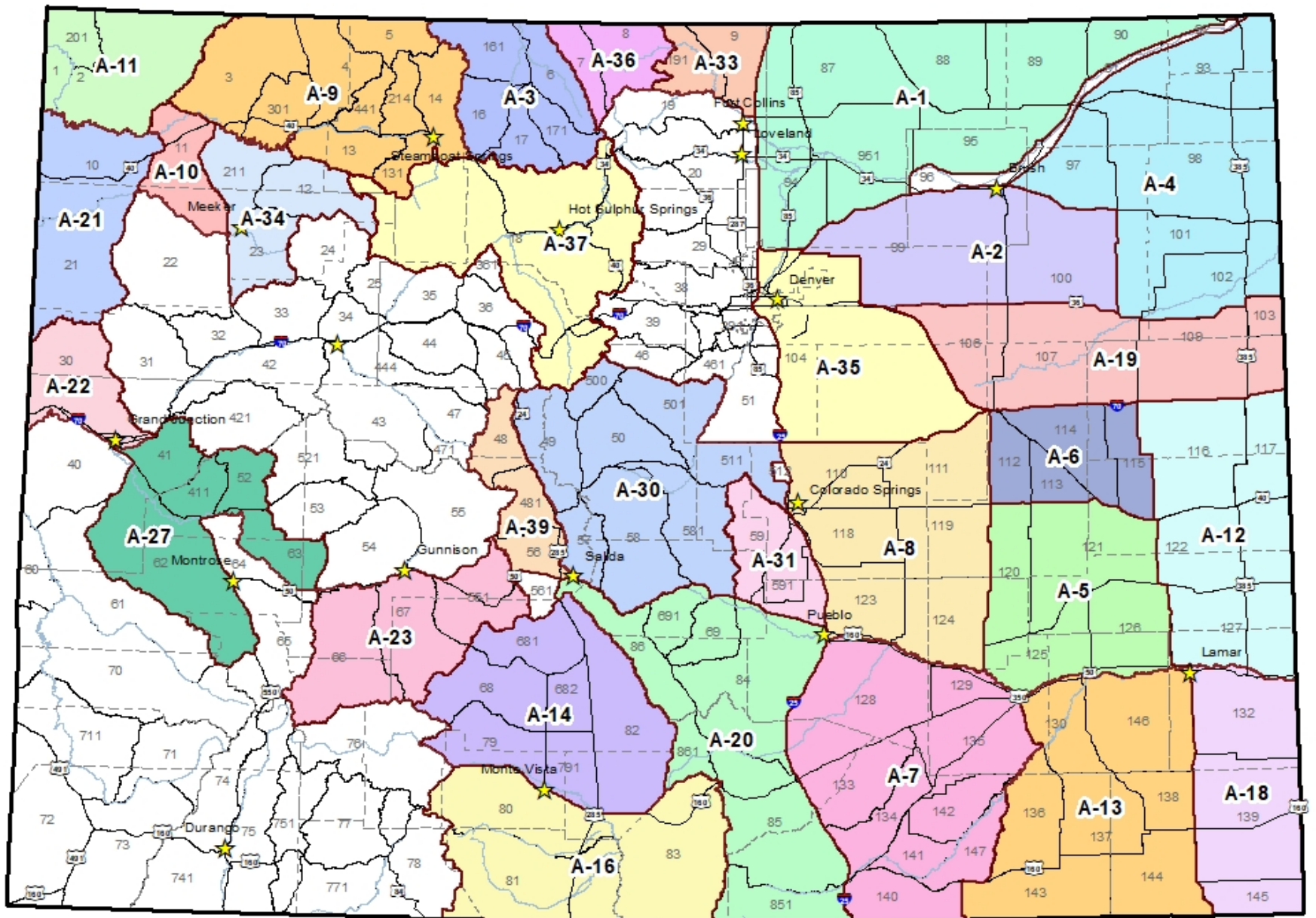
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Pronghorn Rifle Quota by Sex

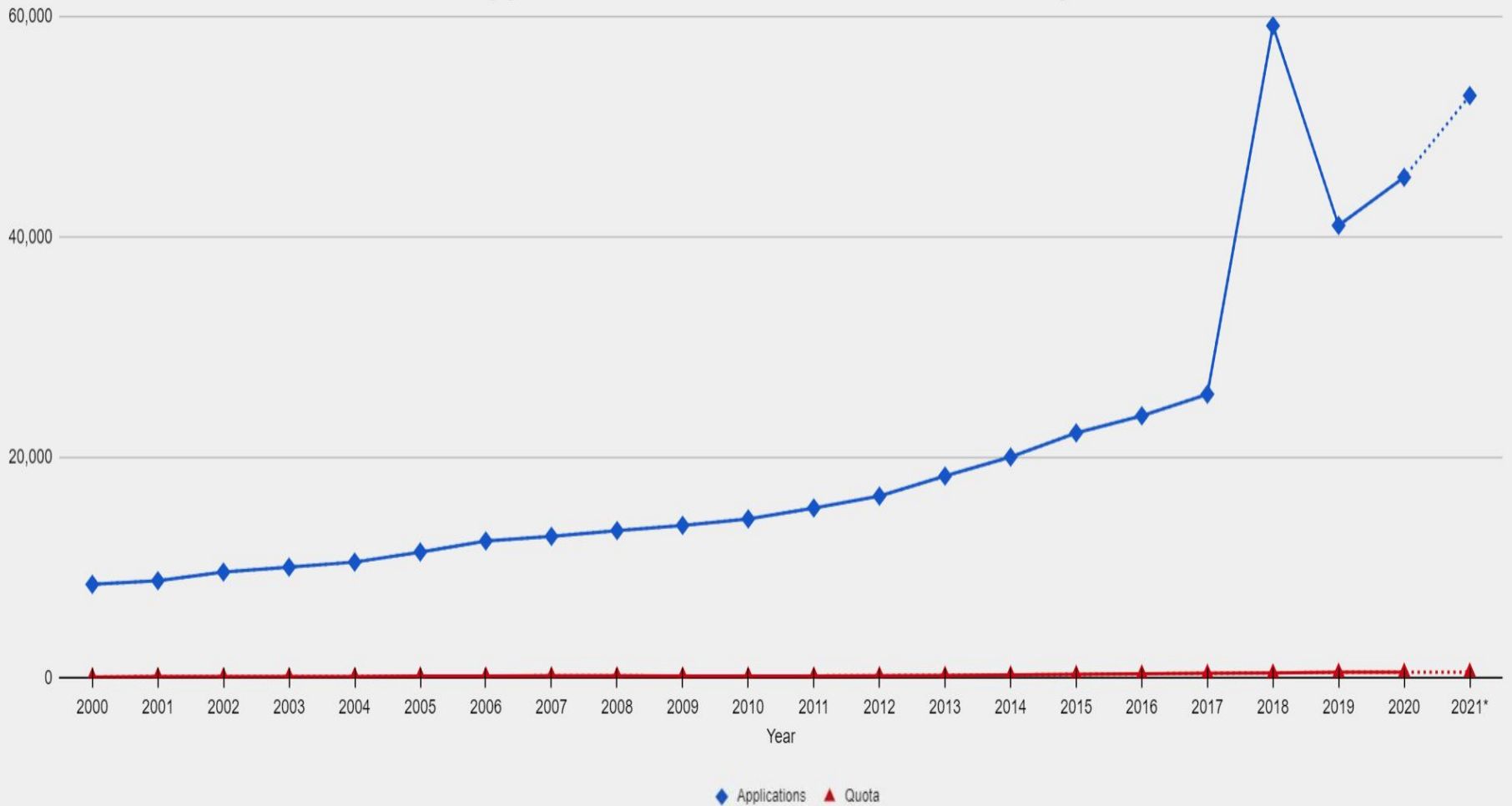
Either-sex Buck Doe



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Moose Applications and Limited License Quotas By Year

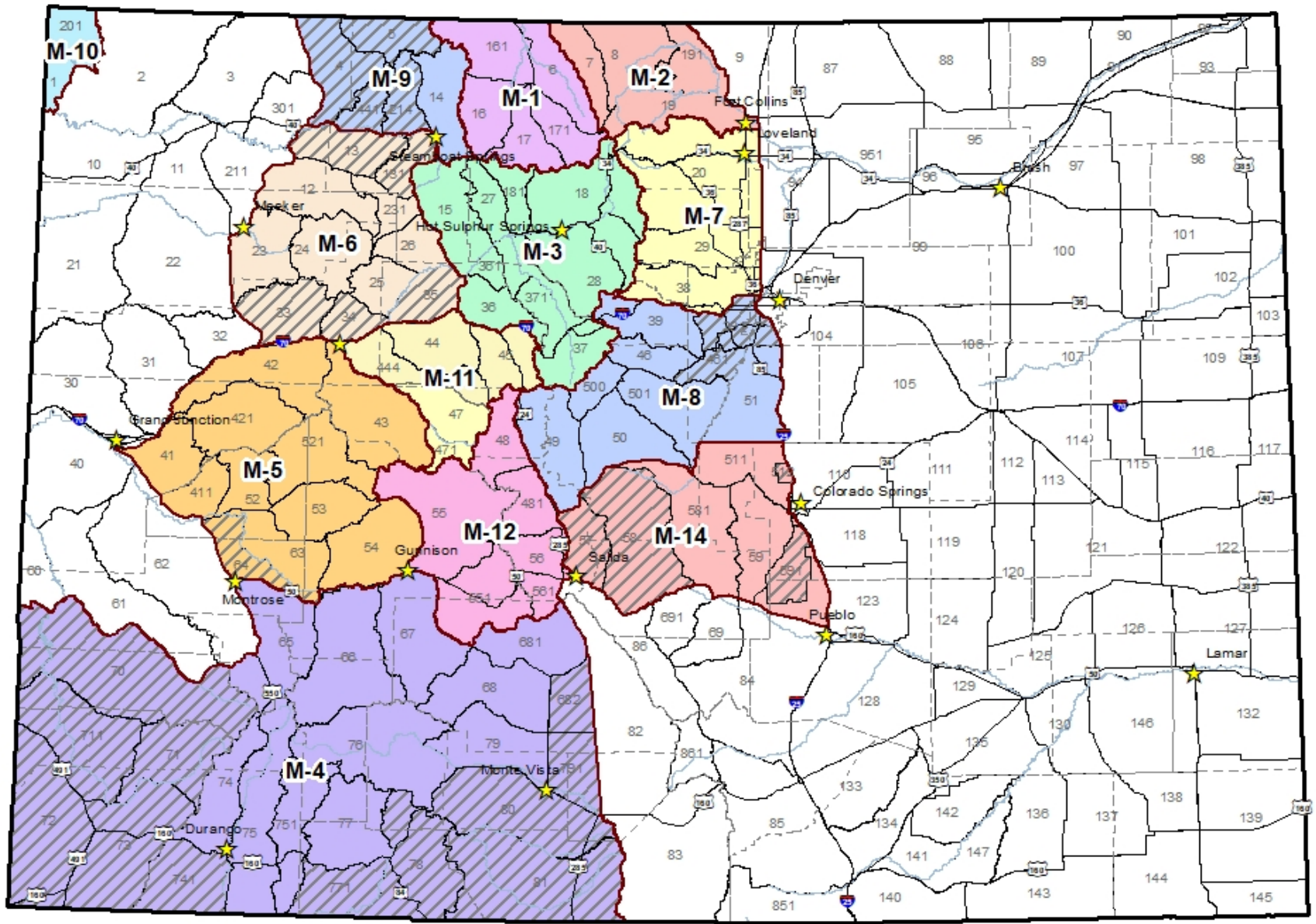


	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021*
Applications	8,486	8,815	9,600	10,044	10,504	11,412	12,417	12,842	13,361	13,836	14,425	15,404	16,494	18,311	20,037	22,226	23,776	25,728	59,157	41,037	45,412	52,823
Limited Licenses	80	129	115	120	132	166	174	189	190	177	163	182	203	233	266	321	363	417	454	511	520	532

*Projected Estimate



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CPW - Moose Data Analysis Units (DAUs) (hunted DAUs only)  Non-Hunted GMUs April 2021



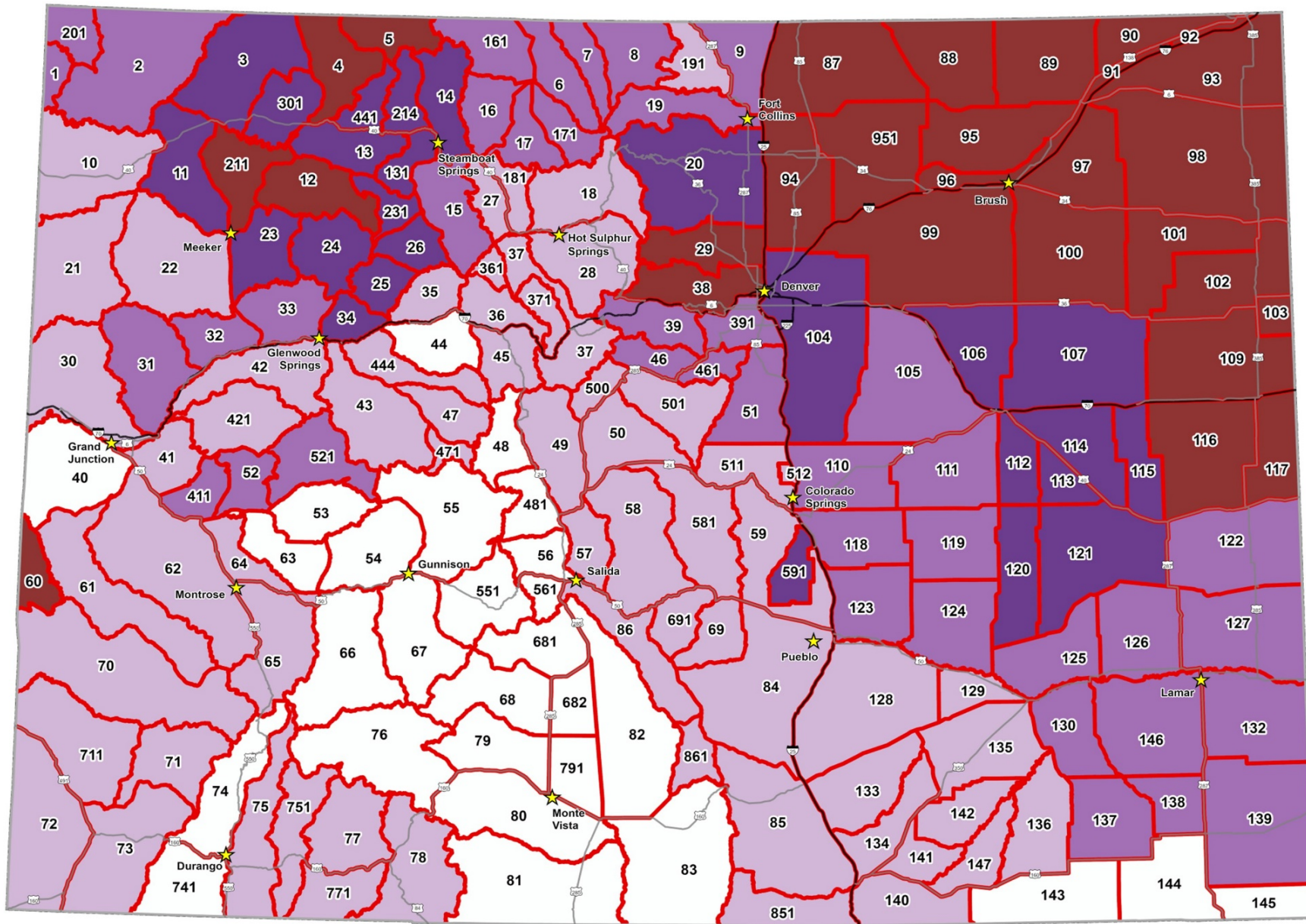
Questions and Discussion



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Detected CWD in Harvested Adult Deer Bucks

January 2021

Estimated CWD Infection Rates for Harvest Data in Colorado 2017 - 2020



- | | | |
|-------------------|-----------------|-------------------|
| Not Detected | Detected 5-10% | Detected over 20% |
| Detected under 5% | Detected 10-20% | |