

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

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Colorado Parks and Wildlife



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Statewide Overview

- Limited license recommendations
 - 216,500 limited licenses, similar to last year
 - 2,500 hunt quotas
- 740,000 total big game animals
 - 134 herds or Data Analysis Units (DAUs)
- Thanks to CPW staff



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Ways to Access Big Game License Recommendations

- Presentation to Commission
 - Most general statewide summary by species
 - With highlights for specific changes
- Commission Website
 - Letter to Commission
 - Summary by Region and Species Table
 - Species specific tables
 - DAU level summary
 - Chapter 2, recommended quotas for all 2,500 hunts (most detailed)



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Herd Management Plans



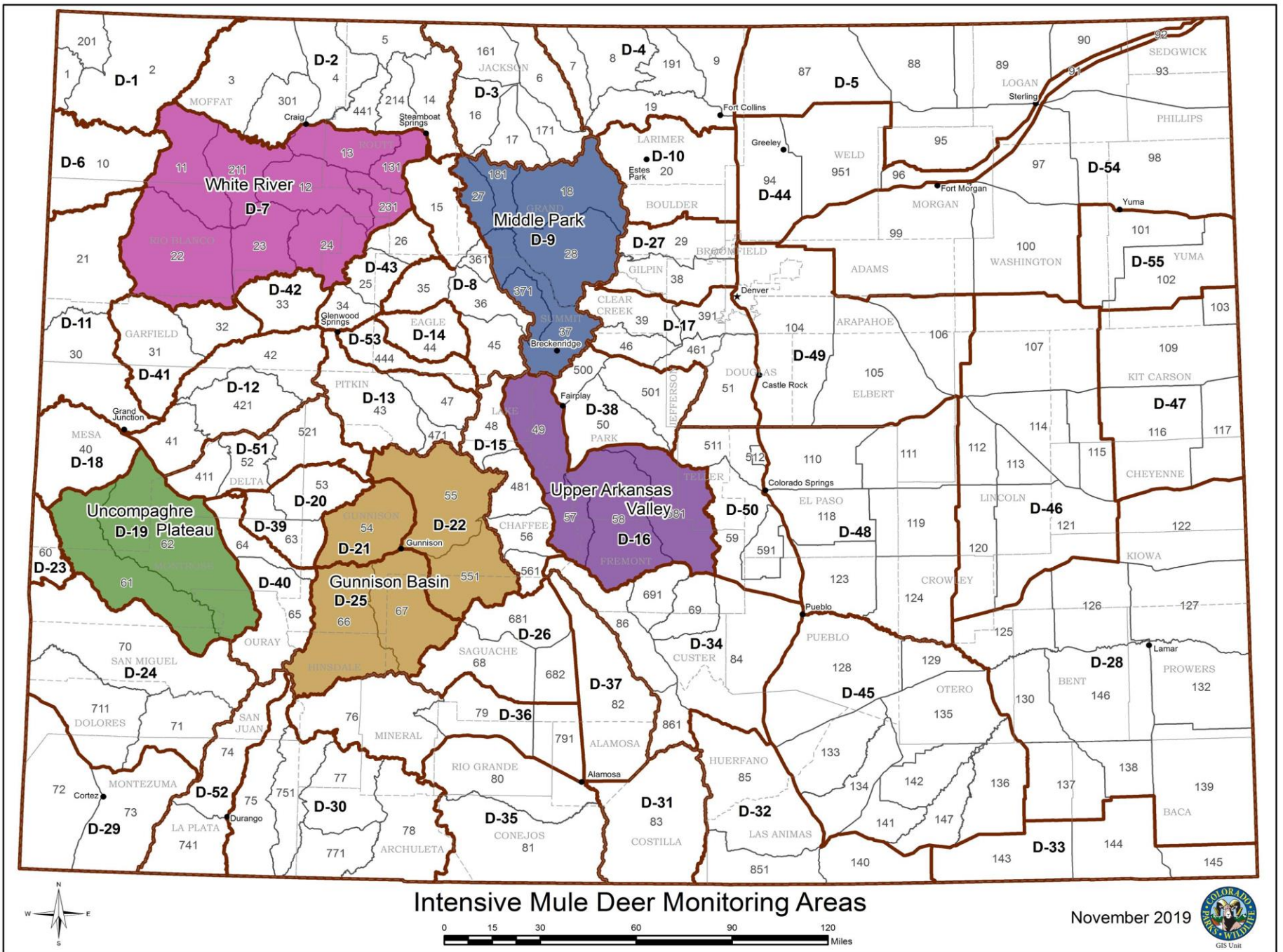
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Information Supporting Recommendations

- 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



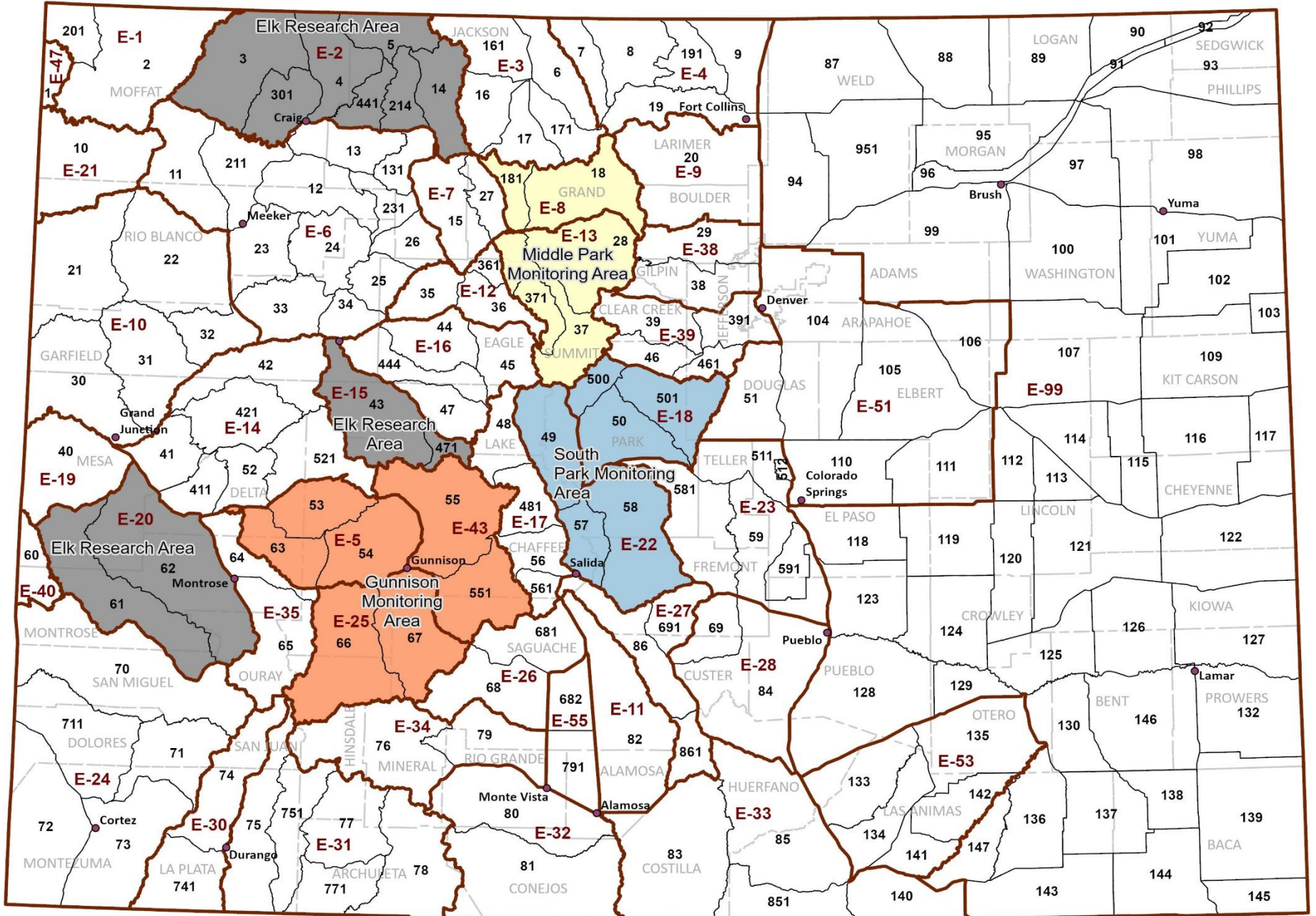
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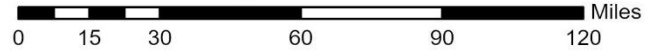
Intensive Mule Deer Monitoring Areas

November 2019





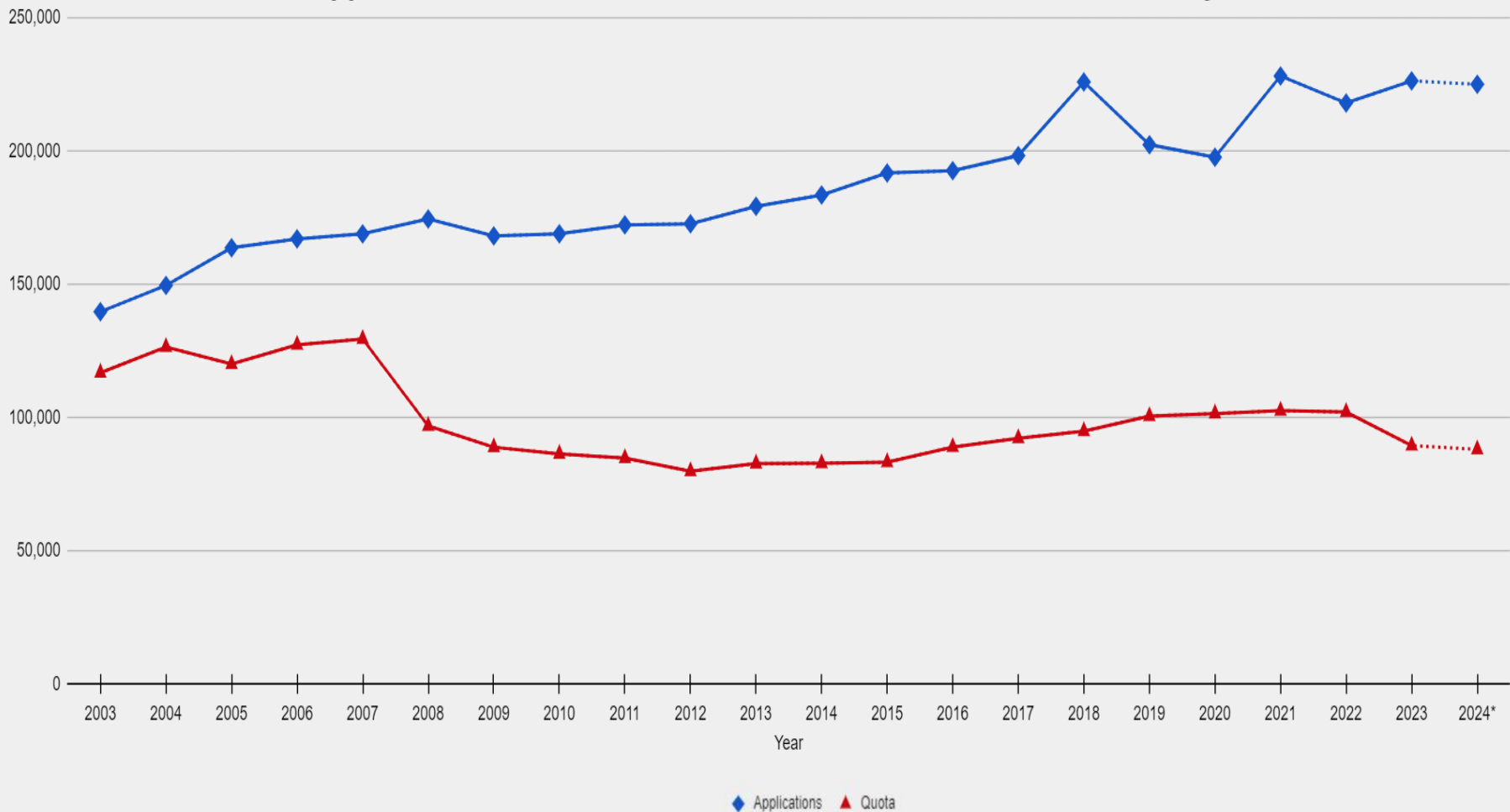
Elk Monitoring and Research Areas



October 2022



Deer Applications and Limited License Quotas for Established Hunts By Year



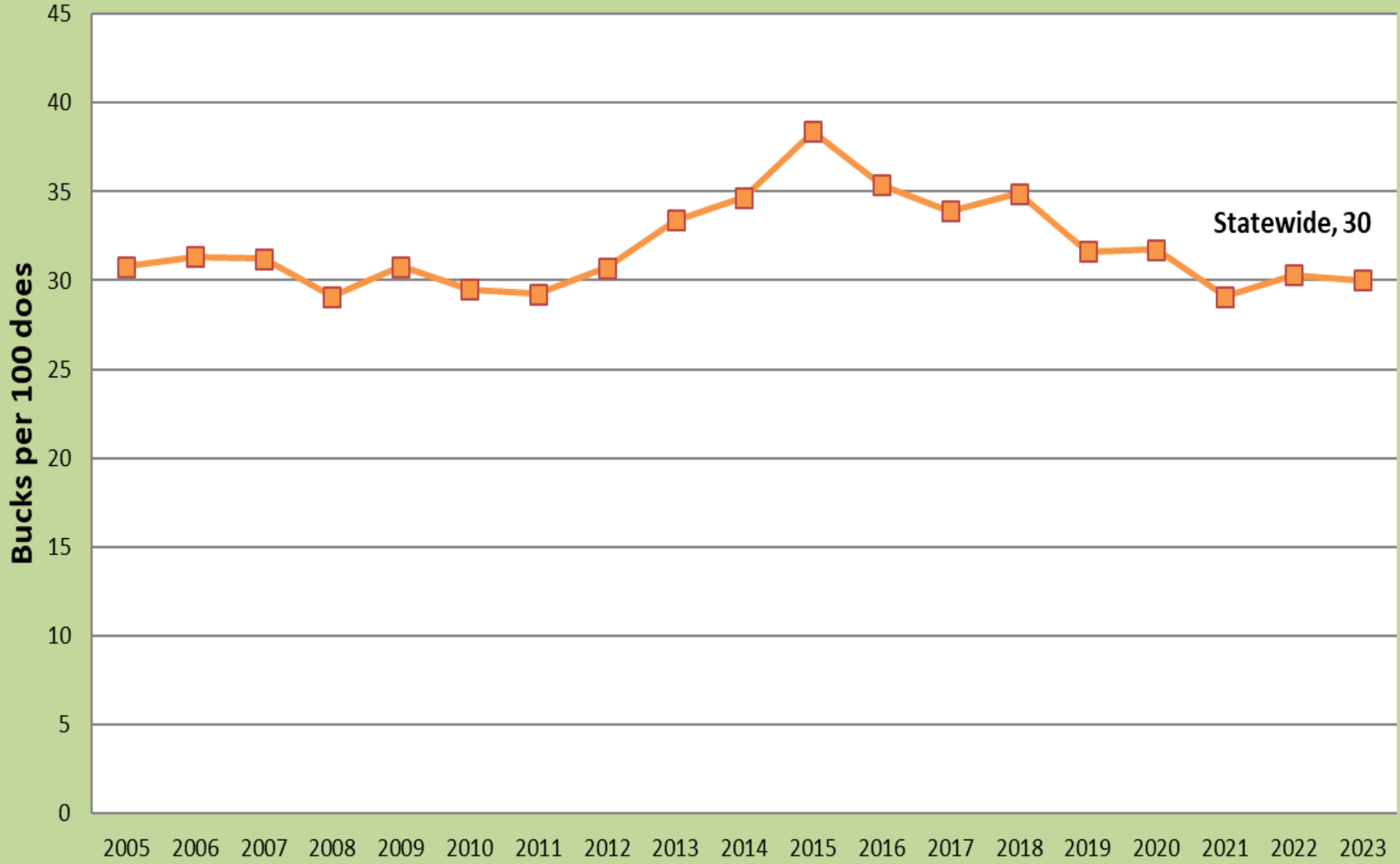
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
Applications	139,629	149,532	163,636	166,993	168,862	174,465	168,107	168,862	172,234	172,650	179,182	183,431	191,708	192,538	198,205	225,855	202,305	197,604	228,087	217,937	226,240	224,970
License Quota	116,742	126,410	120,005	127,257	129,426	96,791	88,820	86,328	84,713	79,813	82,680	82,806	83,204	88,919	92,187	94,855	100,483	101,457	102,507	102,011	89,437	88,024

*Projected Estimate

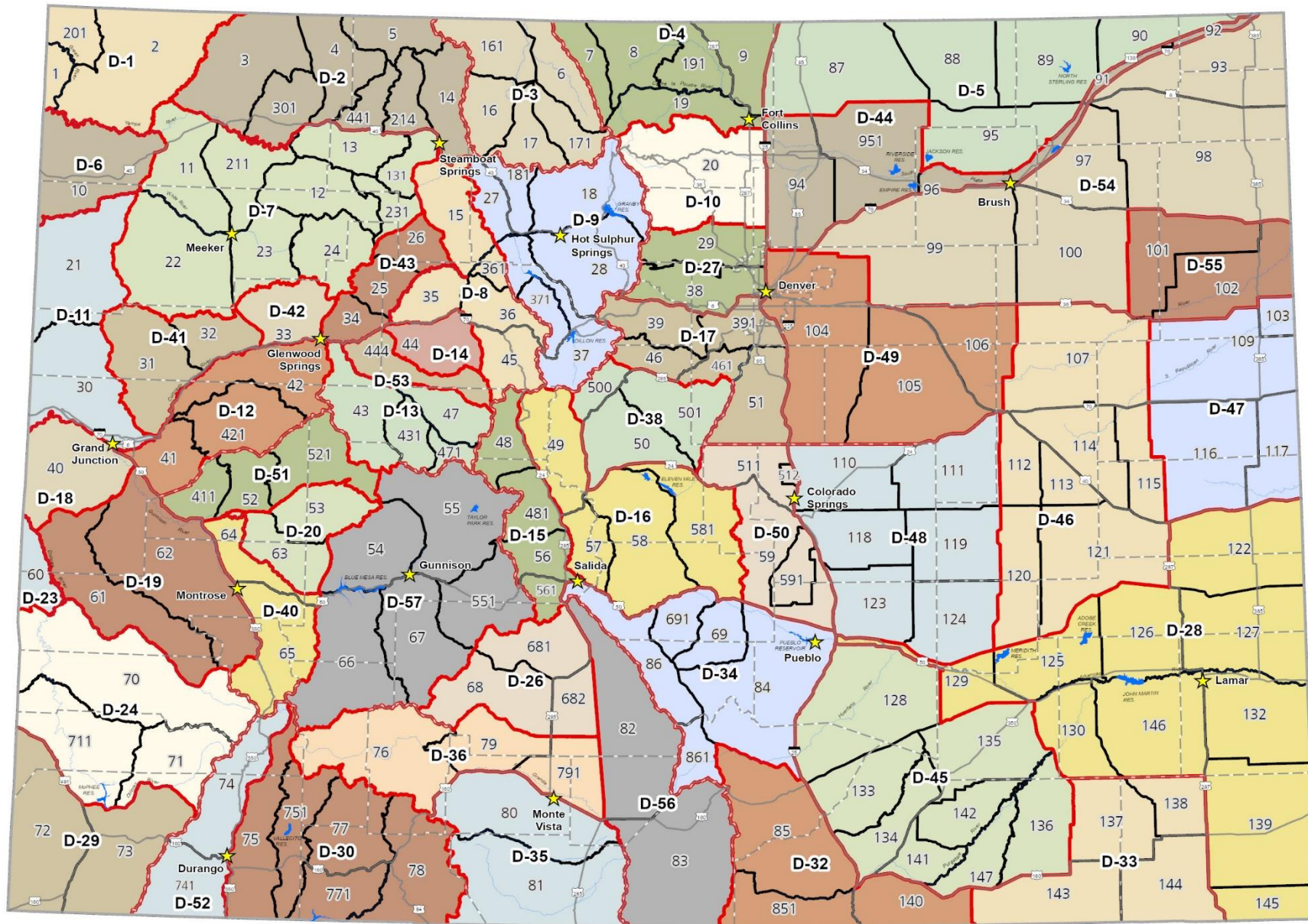


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Statewide Average of Post-hunt Deer Buck/Doe Ratios 2005-2023



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2024 Deer DAU and GMU



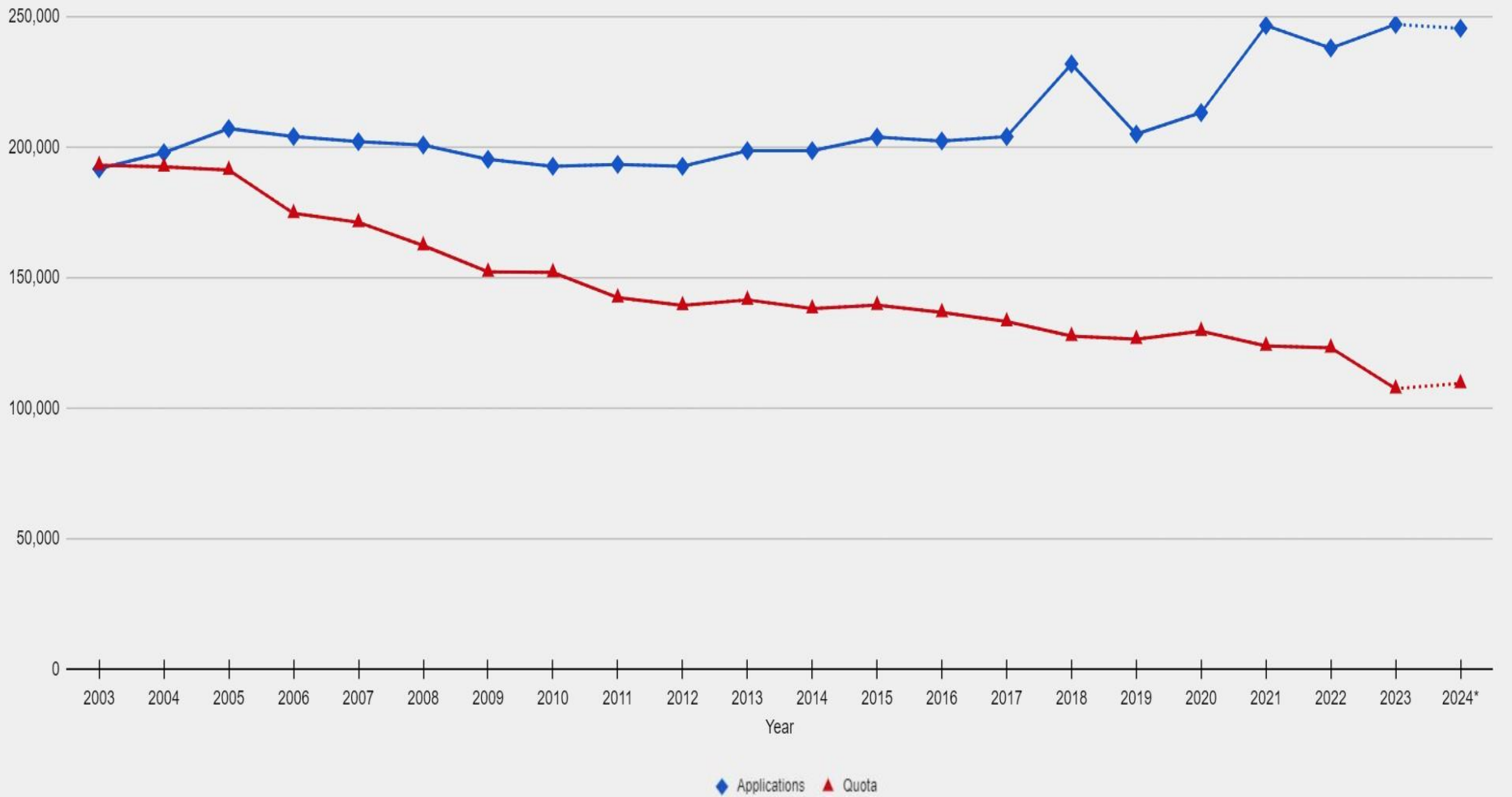
April 2024

★ CPW Office

□ GMU (Game Management Unit) Boundary

□ DAU (Data Analysis Unit) Boundary

Elk Applications and Limited License Quotas for Established Hunts By Year



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
Applications	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	213,230	246,602	237,959	247,015	245,506
License Quota	193,049	192,474	191,249	174,663	171,210	162,303	152,214	152,012	142,347	139,397	141,483	138,186	139,482	136,706	133,199	127,608	126,458	129,532	123,866	123,137	107,484	109,511

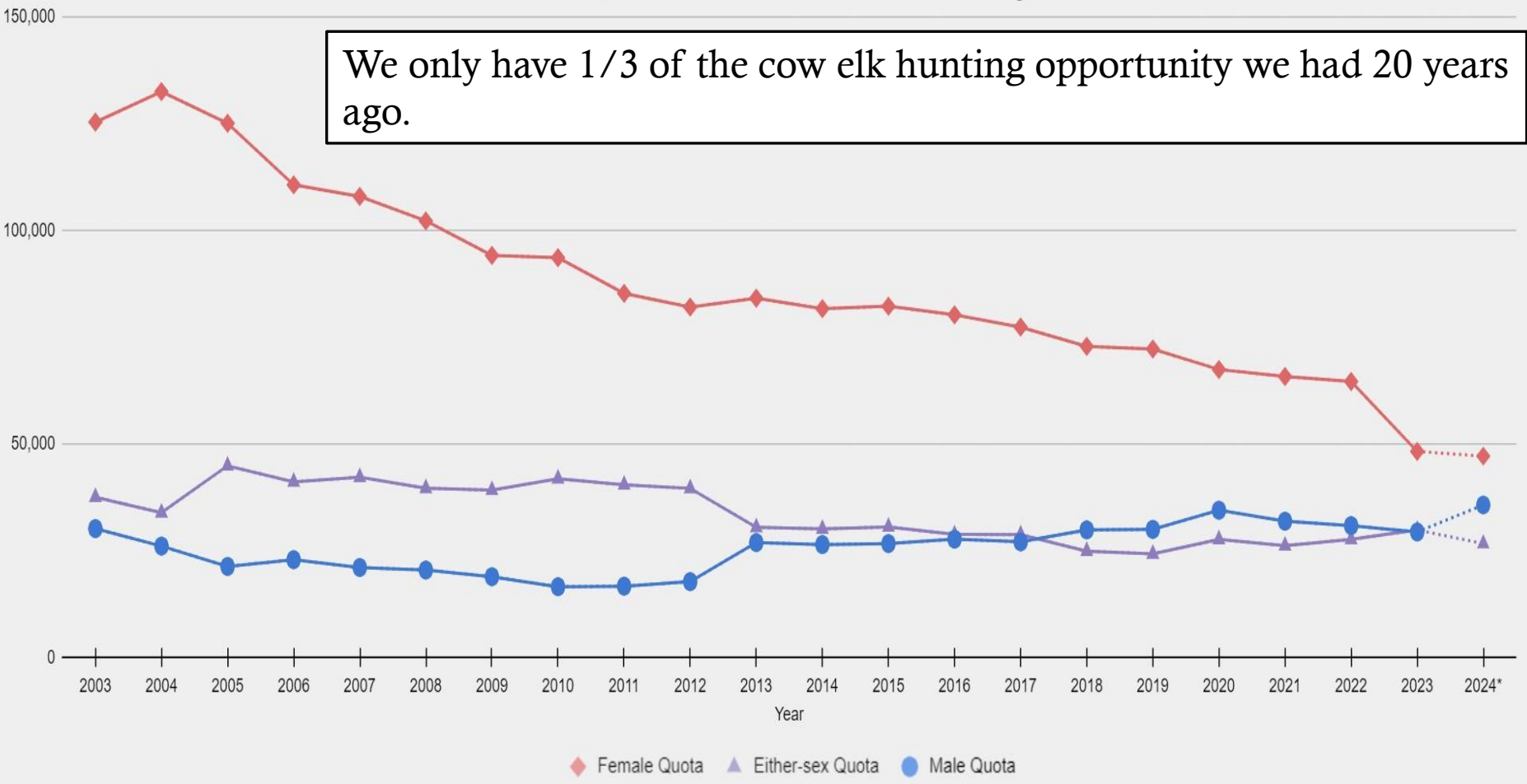
*Projected Estimate



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Elk Limited License Quotas for Established Hunts by Sex and Year

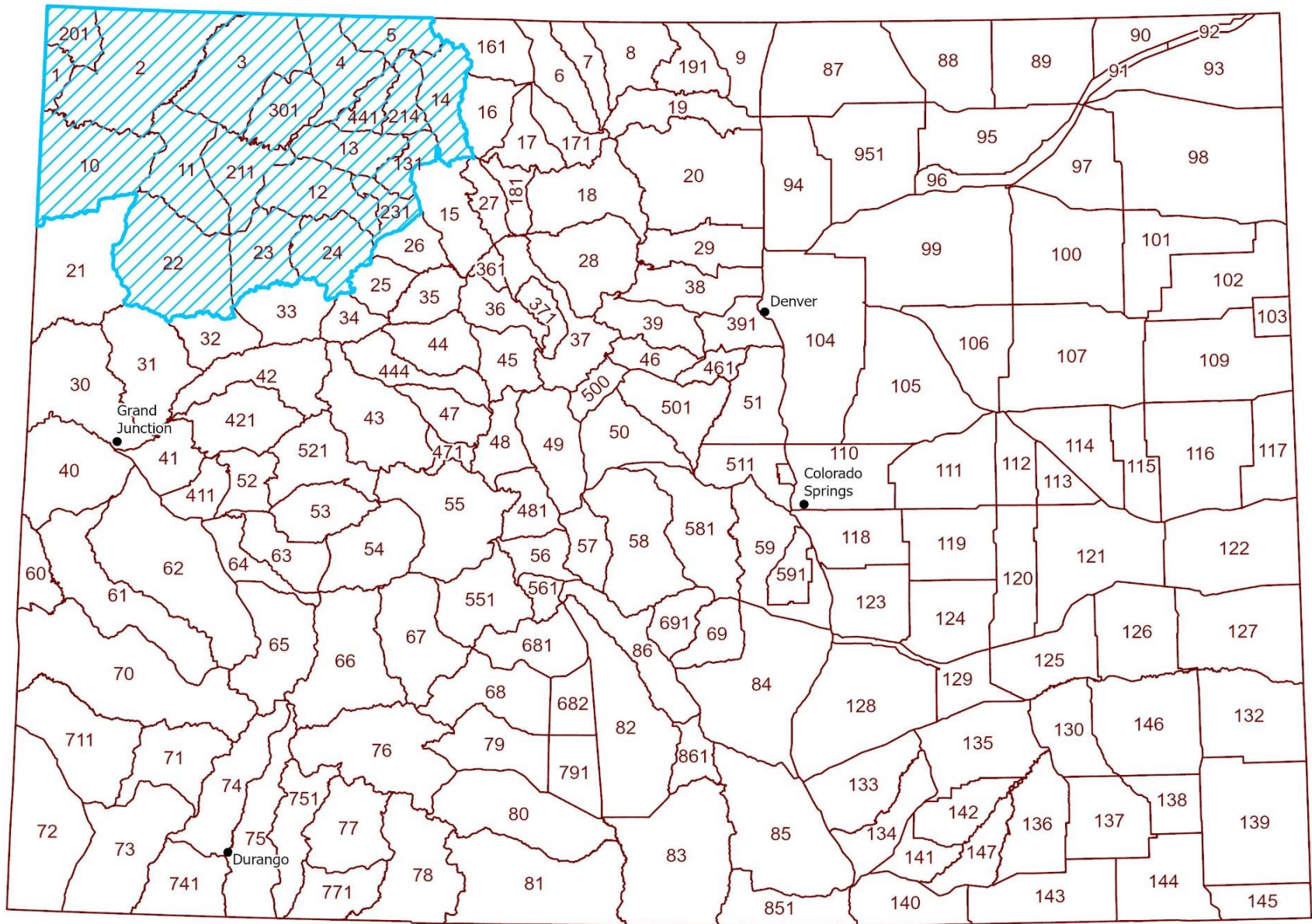
We only have 1/3 of the cow elk hunting opportunity we had 20 years ago.

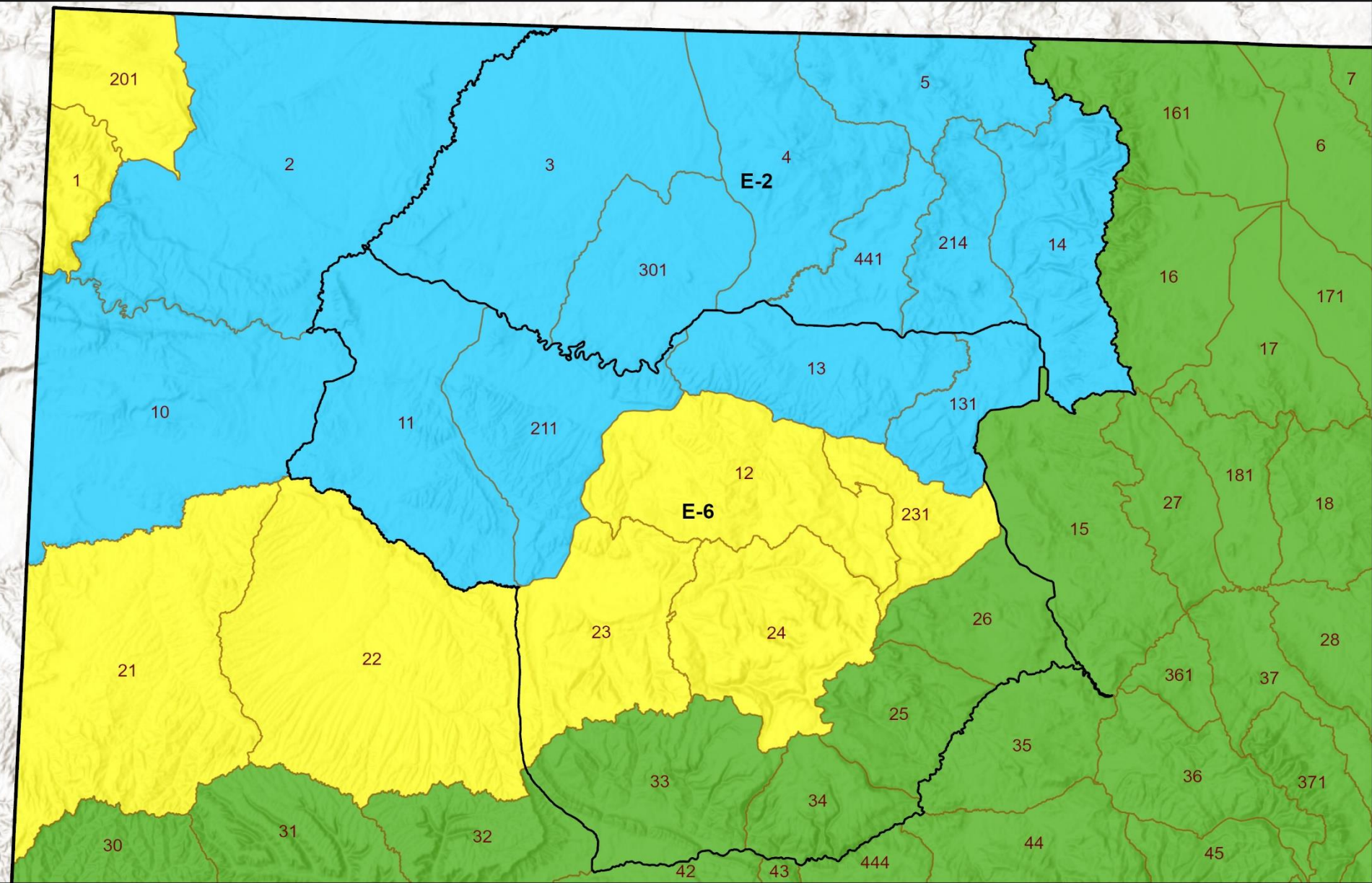


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
Female Quota	125,339	132,489	125,062	110,657	107,938	102,221	94,136	93,599	85,246	82,049	84,118	81,657	82,247	80,209	77,353	72,843	72,224	67,424	65,785	64,606	48,246	47,137
Either-sex Quota	37,537	33,905	44,875	41,117	42,212	39,615	39,168	41,853	40,411	39,593	30,470	30,097	30,571	28,798	28,777	24,901	24,245	27,639	26,177	27,667	29,854	26,670
Male Quota	30,173	26,080	21,312	22,889	21,060	20,467	18,910	16,560	16,690	17,755	26,895	26,432	26,664	27,699	27,069	29,864	29,989	34,469	31,904	30,864	29,384	35,704

*Projected Estimate







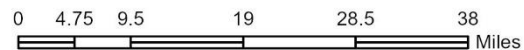
Severe Winter Zone - Winter of 2022 - 2023

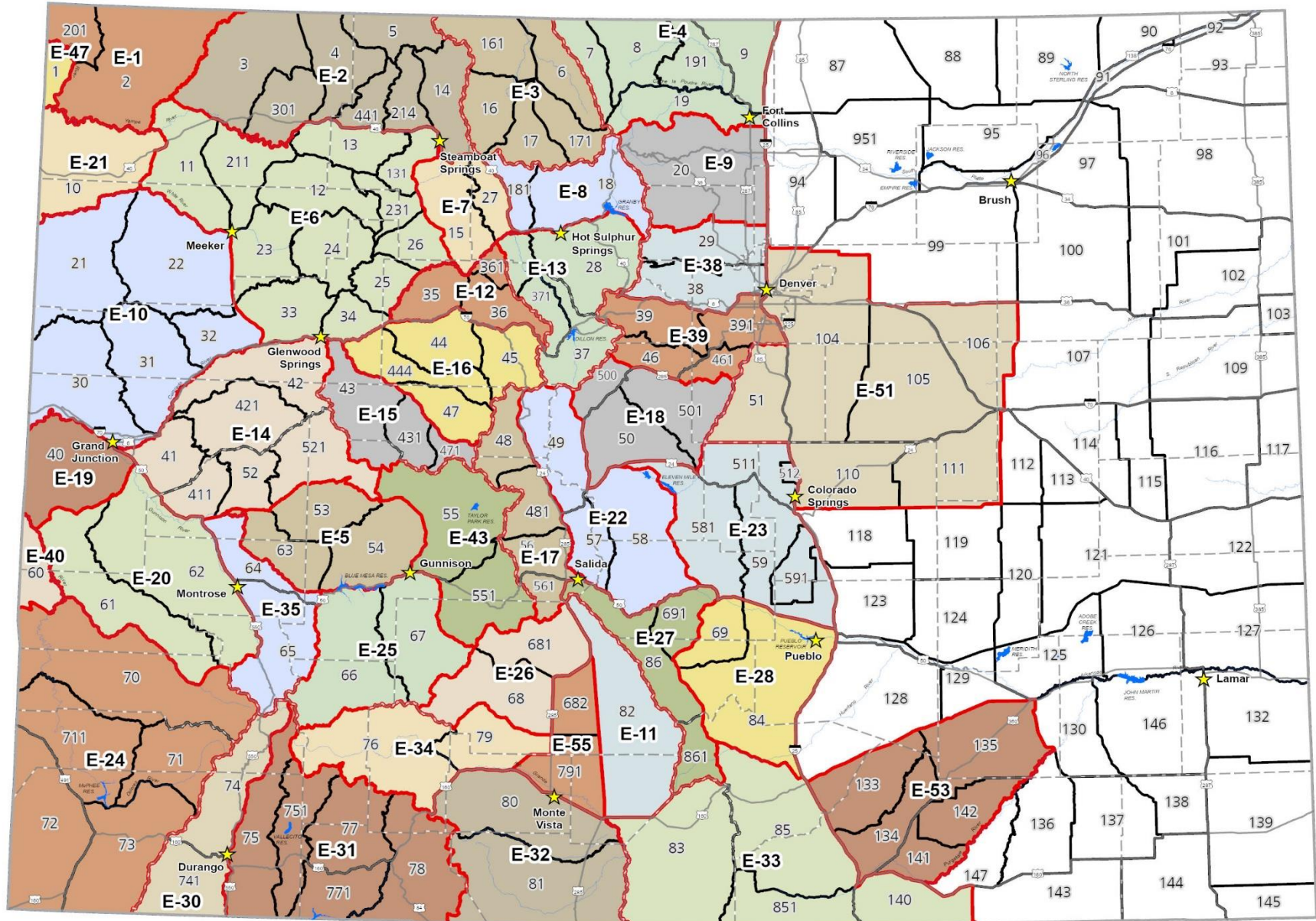
Detailed Winter Severity Map

Winter Severity

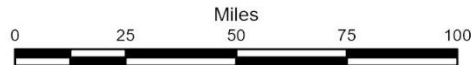
- Most Severe
- Less Severe
- Least Severe

- Elk E2 and E6 Boundaries
- Big Game GMU Boundaries





2024 Eik DAU and GMU



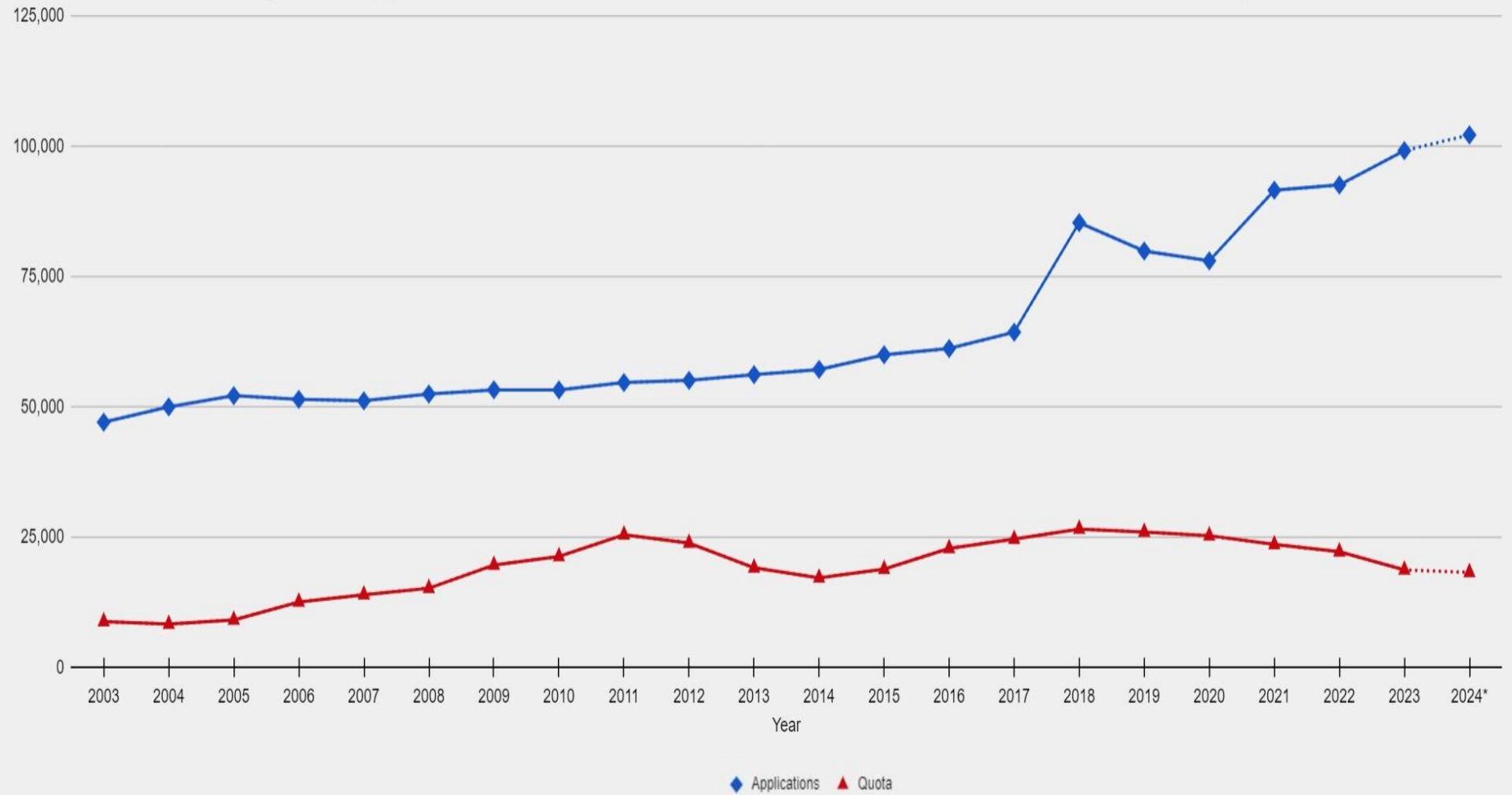
March 2024

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□ GMU (Game Management Unit) Boundary

□ DAU (Data Analysis Unit) Boundary

Pronghorn Applications and Limited License Quotas for Established Hunts By Year

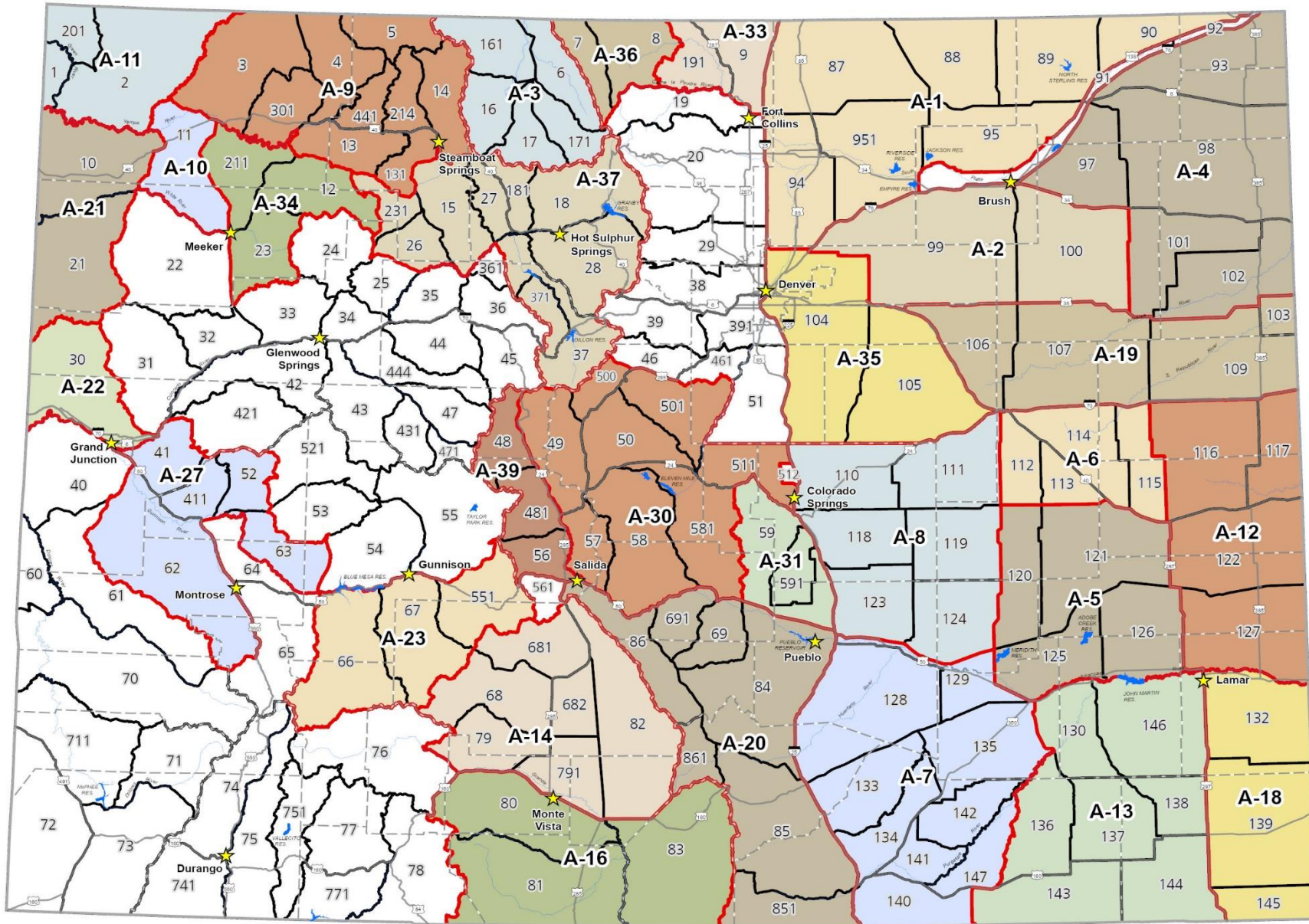


	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
Applications	47,043	49,977	52,136	51,426	51,149	52,456	53,252	53,242	54,647	55,065	56,174	57,163	59,968	61,178	64,309	85,317	79,886	78,007	91,540	92,554	99,140	102,160
License Quota	8,802	8,314	9,116	12,573	13,957	15,196	19,651	21,286	25,454	23,866	19,113	17,202	18,853	22,844	24,625	26,563	25,981	25,278	23,596	22,199	18,722	18,232

*Projected Estimate



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2024 Pronghorn DAU and GMU



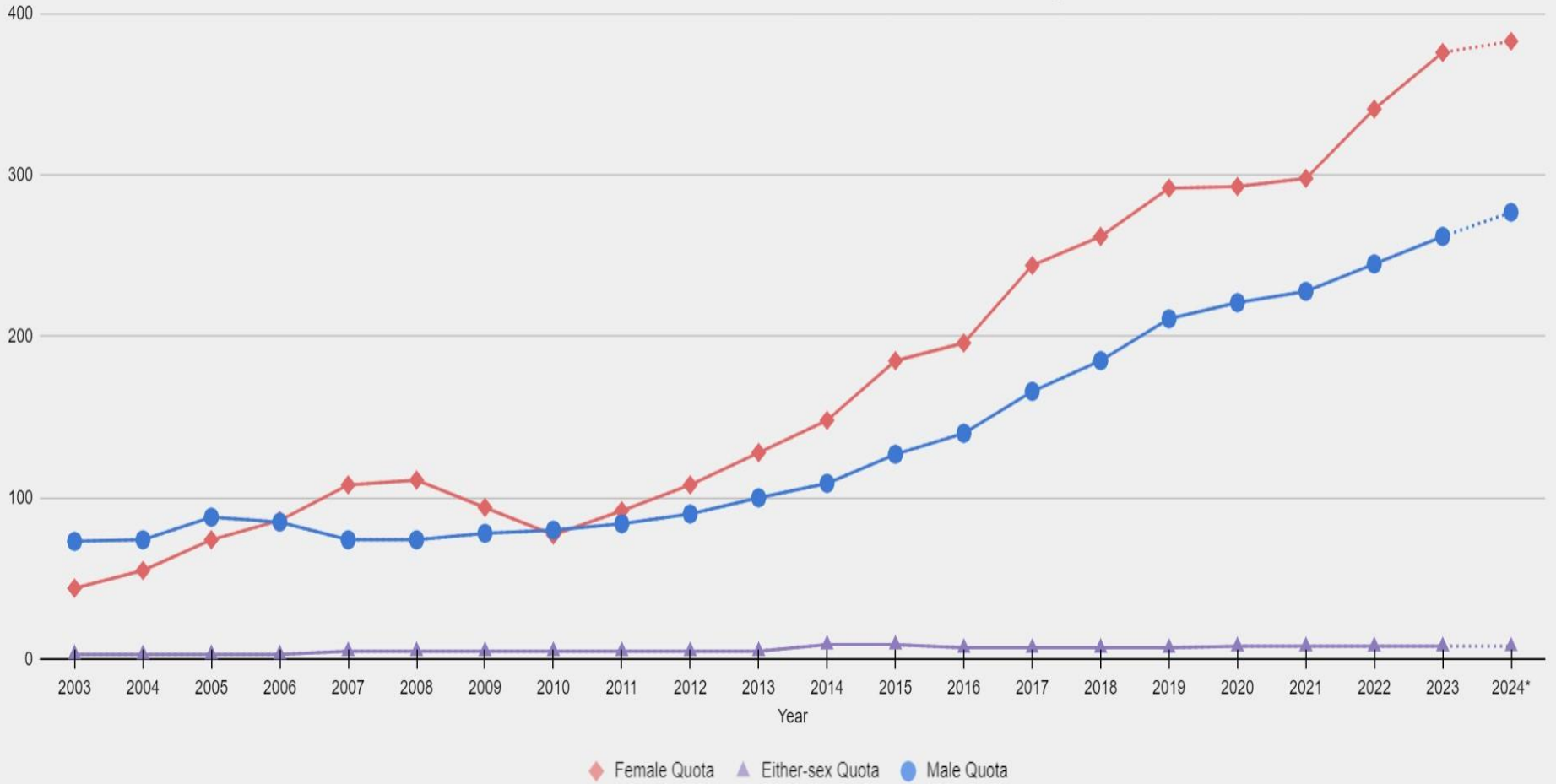
February 2024

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□ GMU (Game Management Unit) Boundary

□ DAU (Data Analysis Unit) Boundary

Moose Limited License Quotas for Established Hunts by Sex and Year



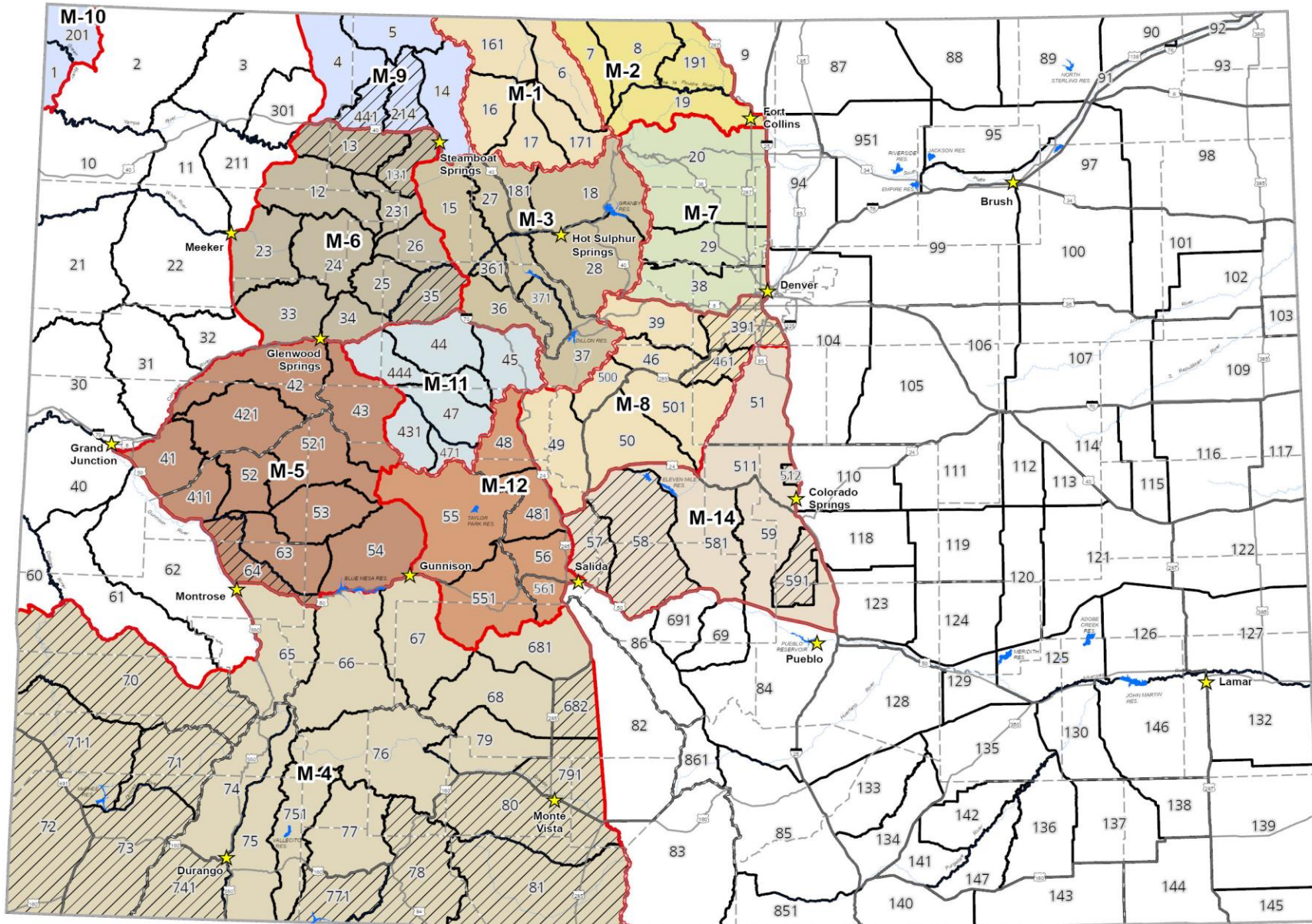
◆ Female Quota ▲ Either-sex Quota ● Male Quota

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*
Female Quota	44	55	74	86	108	111	94	77	92	108	128	148	185	196	244	262	292	293	298	341	376	383
Either-sex Quota	3	3	3	3	5	5	5	5	5	5	5	9	9	7	7	7	7	8	8	8	8	8
Male Quota	73	74	88	85	74	74	78	80	84	90	100	109	127	140	166	185	211	221	228	245	262	277

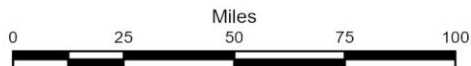
*Projected Estimate



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2024 Moose DAU and GMU



GIS Unit
March 2024

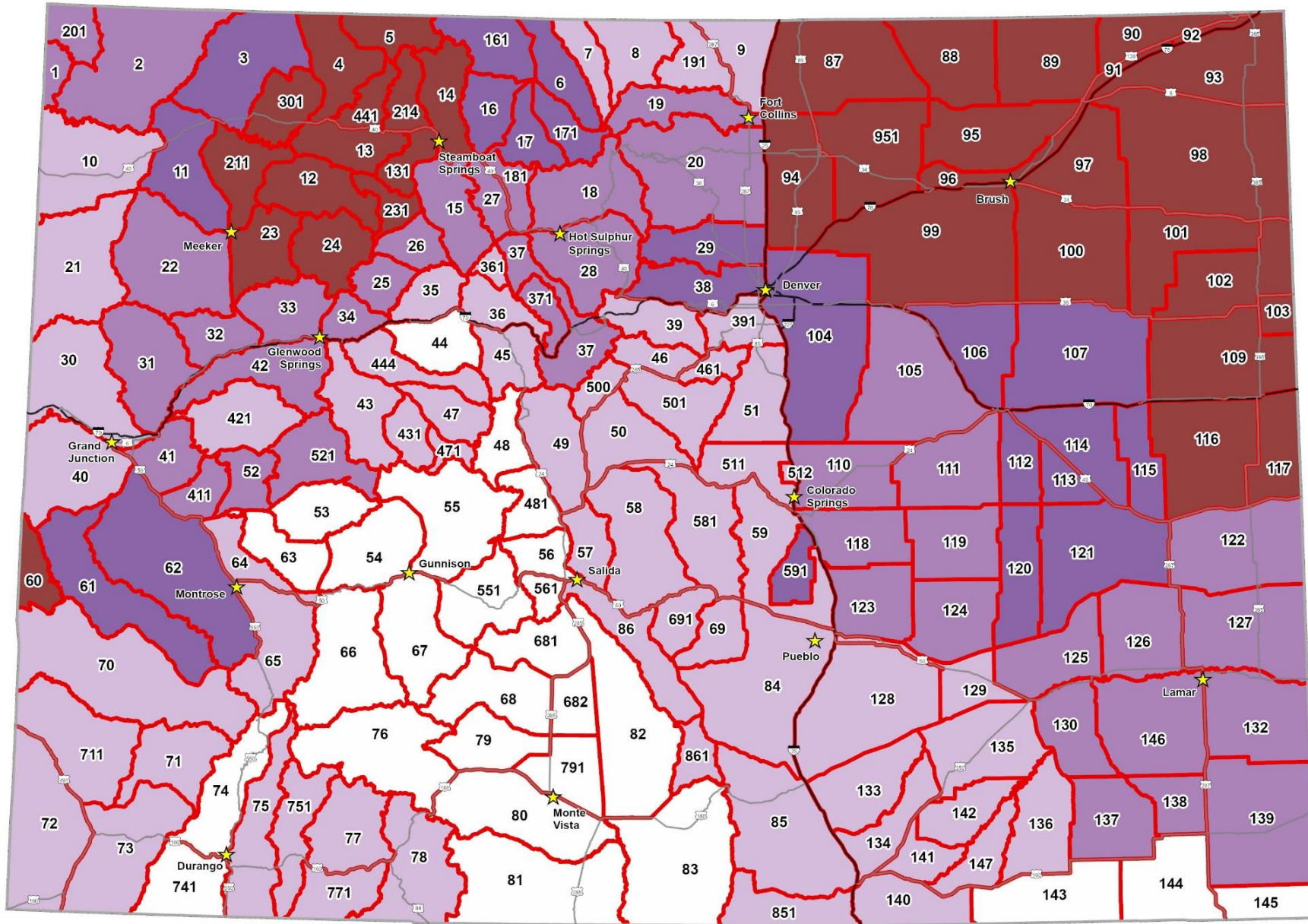
- ★ CPW Office
- GMU (Game Management Unit) Boundary
- ▭ DAU (Data Analysis Unit) Boundary
- ▨ Non-Hunted GMUs



Questions and Discussion



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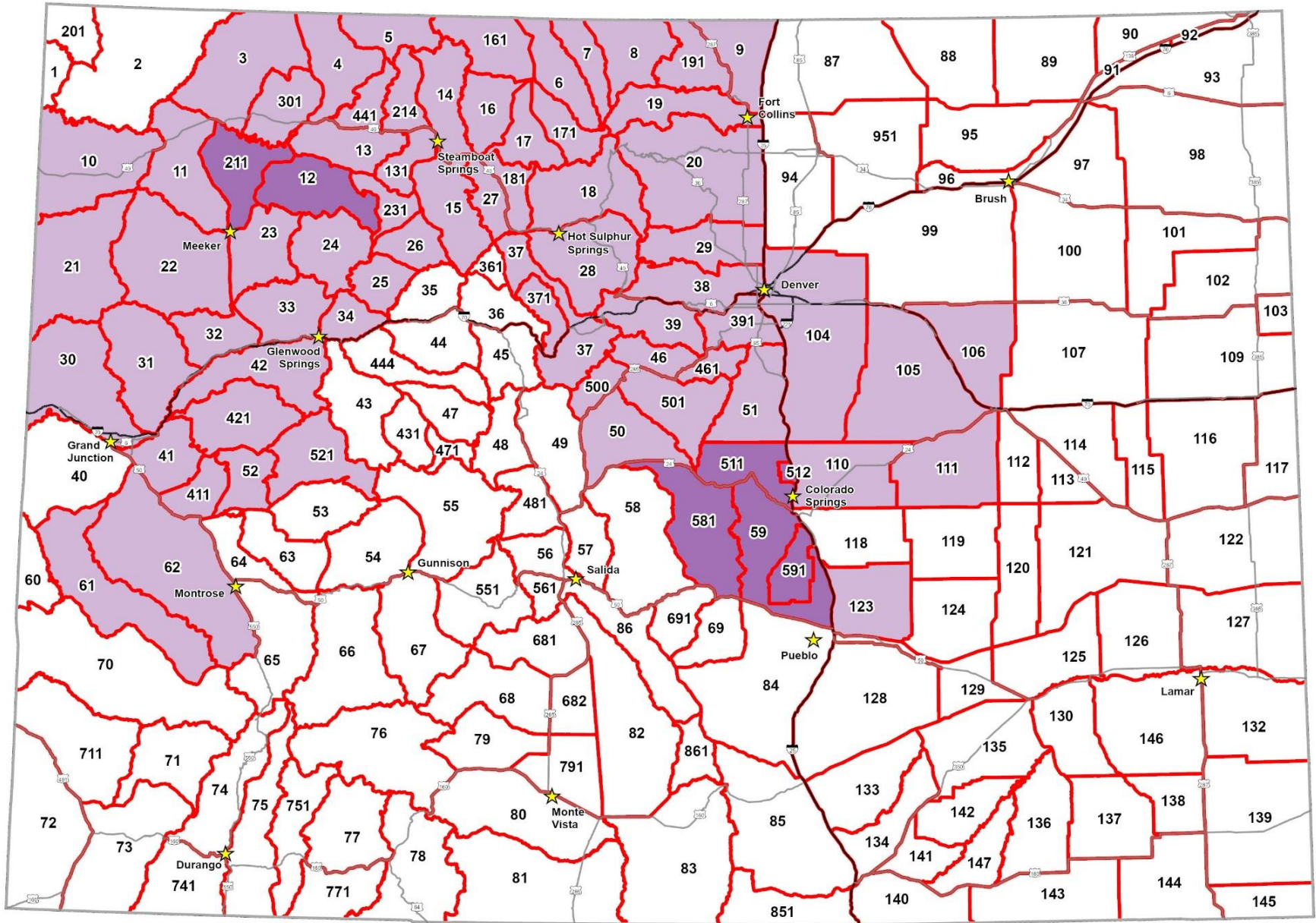


Detected CWD in Harvested Adult Deer Bucks

January 2024

Estimated CWD Infection Rates for Harvest Data in Colorado 2017 - 2023





Detected CWD in Harvested Adult & Yearling Elk

January 2024



**Estimated CWD Infection Rates
for Harvest Data in Colorado
2017 - 2023**

