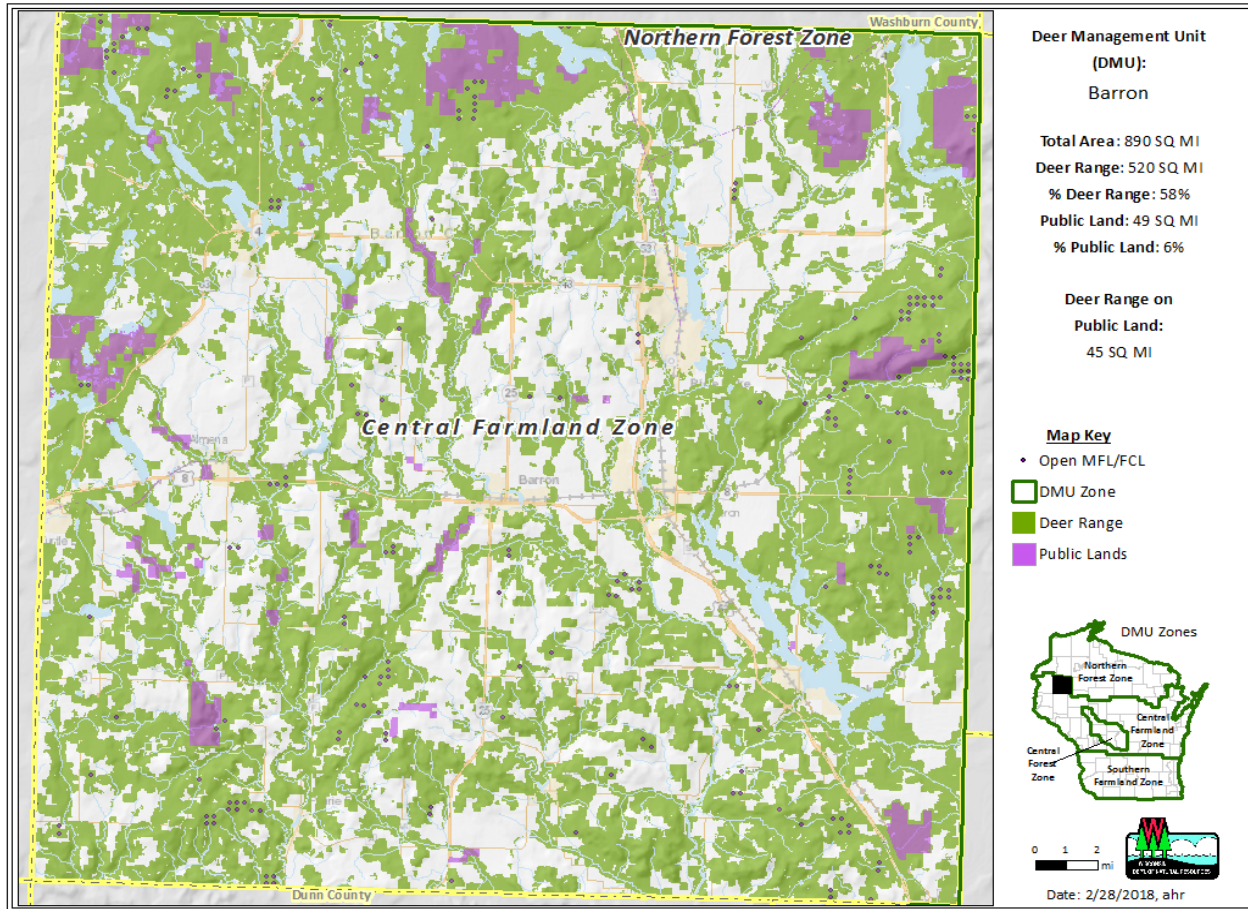


Barron County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Barron County Deer Management Unit is located in the Central Farmland Zone. The unit is roughly an even mix of forest and farmland with 59 percent of the unit considered suitable deer range. Approximately 90 percent of the unit is privately owned with about 88 percent of the deer harvest occurring on these lands. Most forested lands and much of the unit's public lands are located on Barron County Forests or State Wildlife Areas in the north, east and northwest portions of the unit. Smaller Fisheries and Wildlife Management Areas are scattered throughout the unit. The heavily forested northern and eastern portions of the unit transitions into mostly open agricultural lands with scattered small woodlots in the central part of the unit. The southern part of the unit is comprised of rolling hills and an even mix of forest and agricultural lands which produce some of the highest deer numbers in the unit; although deer are generally found in good numbers throughout the unit.

Fertile farmland soils and abundant year-round food sources coupled with recent mild winters make antlerless deer harvest necessary for maintaining a balance between deer numbers and agriculture and environmental sustainability. Approximately 35 percent of bucks harvested are 2 ½ years of age or older and the unit has a buck harvest density of about 5 bucks per square mile of deer range, which is one of the highest buck harvest densities for this part of the state. Because of the relatively high buck harvest density and good trophy buck potential, the unit has an opening day hunter density of approximately 1 hunter per 40 acres of deer range. The current deer herd management objective is to decrease the population.

Deer Management Unit Harvest History

Fawn to doe ratios collected in late summer give information on fawn recruitment and survival and are used as an input into the formula for annual deer herd abundance estimation. Fawn to doe ratios were summarized using groups of county deer management units. County deer management units were grouped based on location, habitat characteristics, and deer demography.

Central Farmland Management Zone

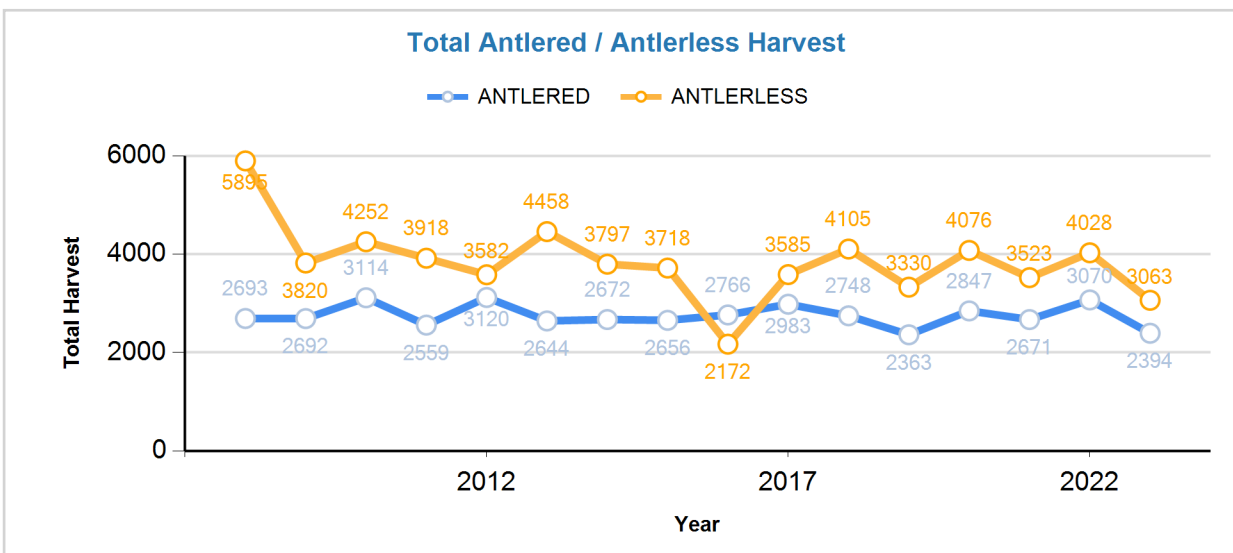
Total Area of Unit (Sq. Miles): 889.80

Deer Range of Unit (Sq. Miles): 520.40

Total Harvest for Barron County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	2672	2656	2766	2983	2748	2363	2847	2671	3070	2394
Antlerless	3844	3718	2172	3590	4105	3330	4076	3523	4028	3063
Total	6516	6374	4938	6573	6853	5693	6923	6194	7098	5457
Gun										
Antlered	1924	1826	1895	2004	1926	1547	1758	1651	1978	1553
Antlerless	3159	3032	1691	2726	3218	2497	3003	2665	3034	2369
Total	5083	4858	3586	4730	5144	4044	4761	4316	5012	3922
Bow										
Antlered	474	522	476	490	365	352	435	379	420	317
Antlerless	461	406	267	416	387	375	430	321	381	268
Total	935	928	743	906	752	727	865	700	801	585
Crossbow										
Antlered	270	307	394	484	452	464	654	637	668	521
Antlerless	223	278	213	447	498	457	643	534	613	423
Total	493	585	607	931	950	921	1297	1171	1281	944
Tribal*										
Antlered	4	1	1	5	5	0	0	4	4	3
Antlerless	1	2	1	1	2	1	0	3	0	3
Total	5	3	2	6	7	1	0	7	4	6
Youth Antlerless*										
Antlerless	0	0	400	256	213	149	151	159	116	125

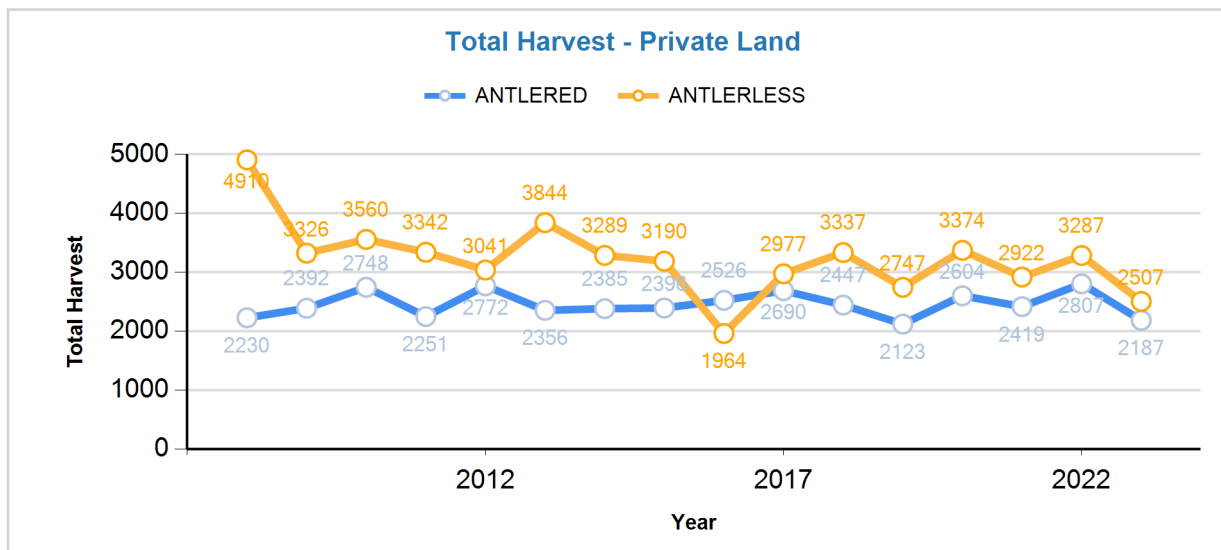
* Tribal and Youth Antlerless data are included in above totals where they apply



Total Harvest for Barron County - Central Farmland Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	2385	2396	2526	2690	2447	2123	2604	2419	2807	2187
Antlerless	3327	3190	1964	2982	3337	2747	3374	2922	3287	2507
Total	5712	5586	4490	5672	5784	4870	5978	5341	6094	4694
Gun										
Antlered	1720	1650	1730	1806	1719	1386	1607	1503	1823	1427
Antlerless	2728	2597	1527	2259	2622	2065	2505	2217	2479	1961
Total	4448	4247	3257	4065	4341	3451	4112	3720	4302	3388
Bow										
Antlered	421	460	426	434	320	310	395	334	372	275
Antlerless	394	342	242	343	303	306	345	269	304	213
Total	815	802	668	777	623	616	740	603	676	488
Crossbow										
Antlered	244	286	370	450	408	427	602	582	612	485
Antlerless	205	251	195	380	412	376	524	436	504	333
Total	449	537	565	830	820	803	1126	1018	1116	818
Tribal*										
Antlered	0	0	0	0	0	0	0	0	0	0
Antlerless	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
Youth Antlerless*										
Antlerless	0	0	363	233	194	141	142	147	110	120

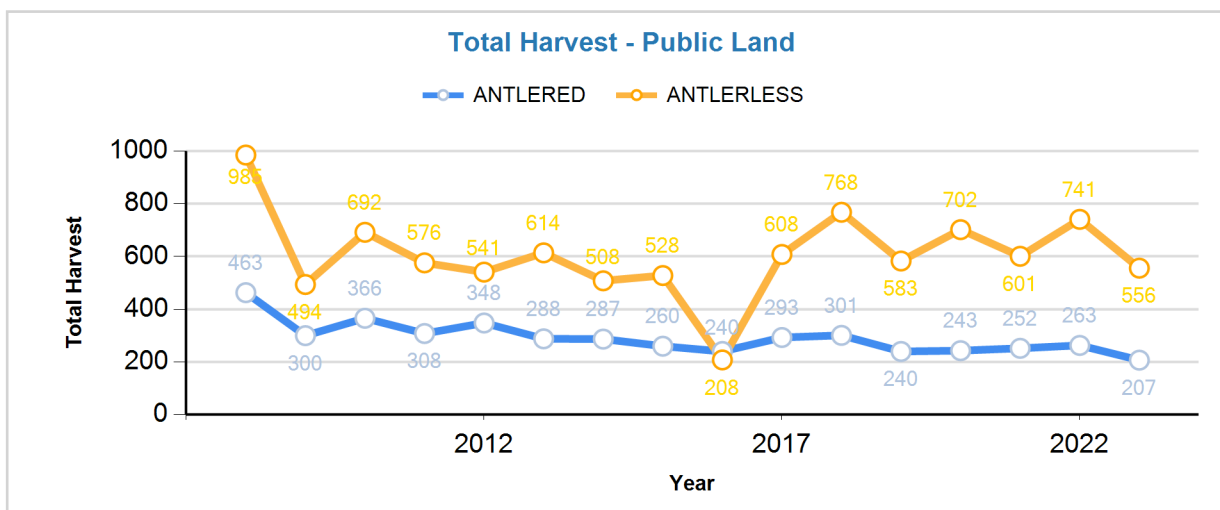
* Tribal and Youth Antlerless data are included in above totals where they apply



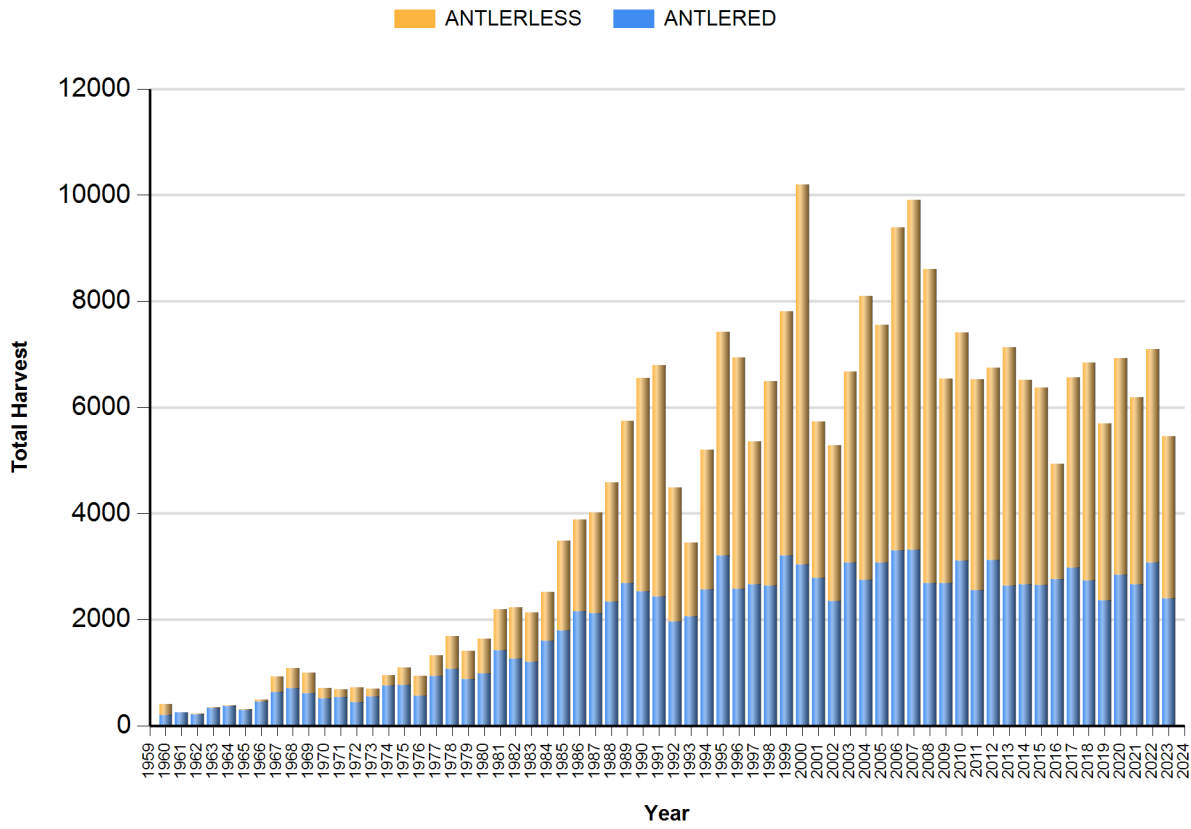
Total Harvest for Barron County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	287	260	240	293	301	240	243	252	263	207
Antlerless	517	528	208	608	768	583	702	601	741	556
Total	804	788	448	901	1069	823	945	853	1004	763
Gun										
Antlered	204	176	165	198	207	161	151	148	155	126
Antlerless	431	435	164	467	596	432	498	448	555	408
Total	635	611	329	665	803	593	649	596	710	534
Bow										
Antlered	53	62	50	56	45	42	40	45	48	42
Antlerless	67	64	25	73	84	69	85	52	77	55
Total	120	126	75	129	129	111	125	97	125	97
Crossbow										
Antlered	26	21	24	34	44	37	52	55	56	36
Antlerless	18	27	18	67	86	81	119	98	109	90
Total	44	48	42	101	130	118	171	153	165	126
Tribal*										
Antlered	4	1	1	5	5	0	0	4	4	3
Antlerless	1	2	1	1	2	1	0	3	0	3
Total	5	3	2	6	7	1	0	7	4	6
Youth Antlerless*										
Antlerless	0	0	37	23	19	8	9	12	6	5

* Tribal and Youth Antlerless data are included in above totals where they apply



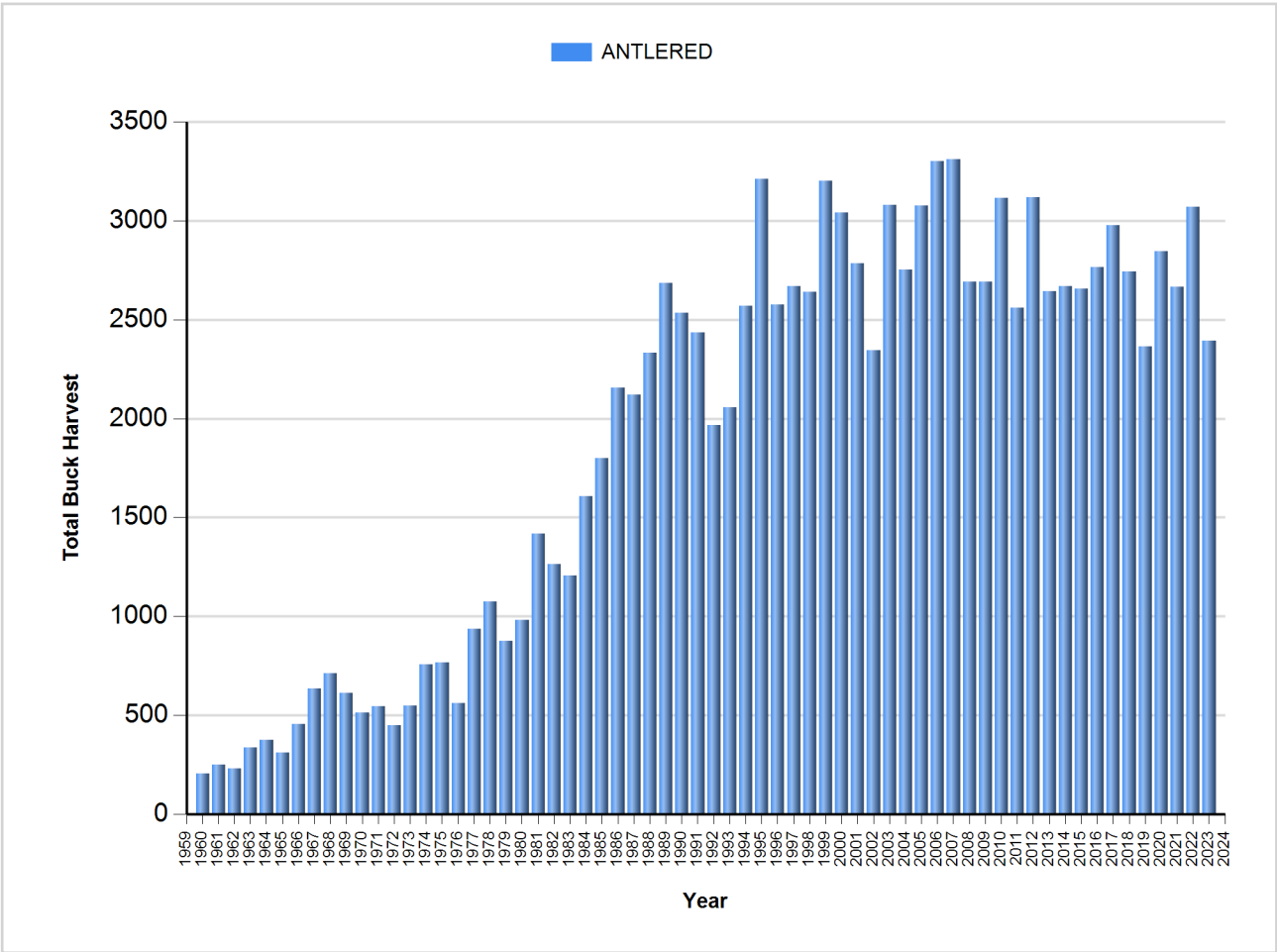
Total Deer Harvest 1960 - Present



Total Buck Harvest 1960 - Present

Historic High: 2007 - 3,312

Historic Low: 1960 - 205

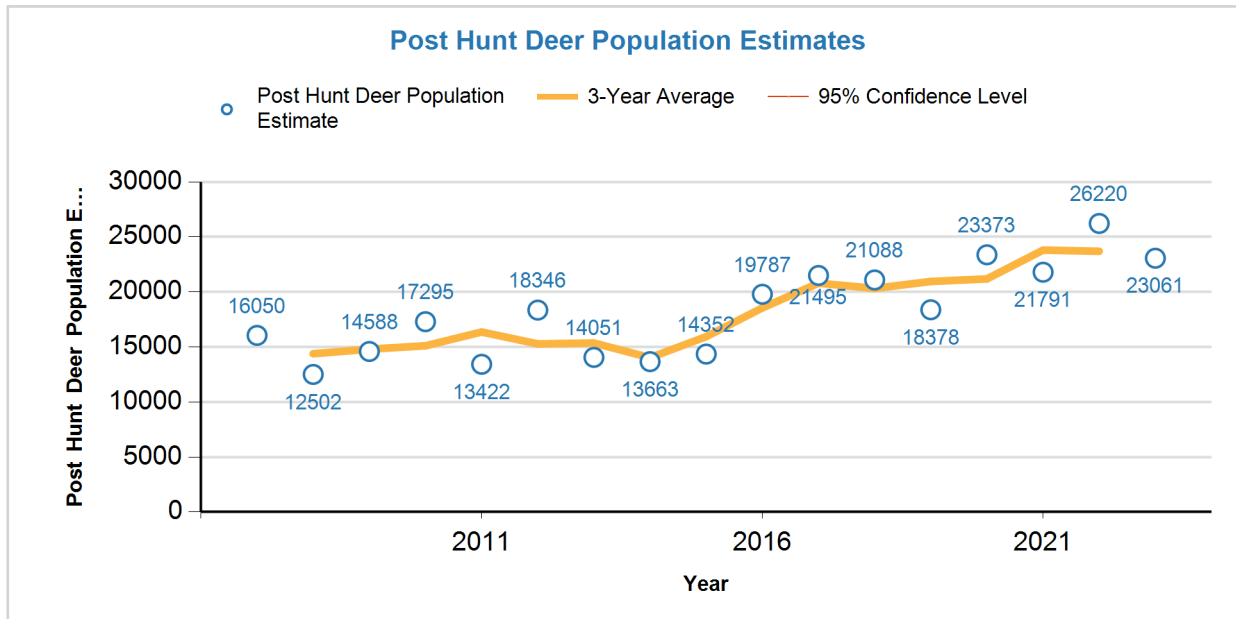


Antlerless Tag Issuance & Success for Barron County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	11,200	11,291	11,117	11,133
Killed	638	551	657	446
Success Rate (%)	5.7	4.9	5.9	4.0
Farmland - Private				
Issued	27,558	27,091	26,999	26,185
Killed	2,981	2,566	2,887	2,230
Success Rate (%)	10.8	9.5	10.7	8.5
Farmland - Total				
Issued	38,758	38,382	38,116	37,318
Killed	3,619	3,117	3,544	2,676
Success Rate (%)	9.3	8.1	9.3	7.2
Bonus- Public				
Available	750	750	750	750
Issued	383	350	349	374
Killed	44	33	70	41
Success Rate (%)	11.5	9.4	20.1	11.0
Bonus- Private				
Available	2,500	2,500	2,500	2,500
Issued	971	970	975	898
Killed	182	161	203	125
Success Rate (%)	18.7	16.6	20.8	13.9
Bonus- Total				
Available	3,250	3,250	3,250	3,250
Issued	1,354	1,320	1,324	1,272
Killed	226	194	273	166
Success Rate (%)	16.7	14.7	20.6	13.1

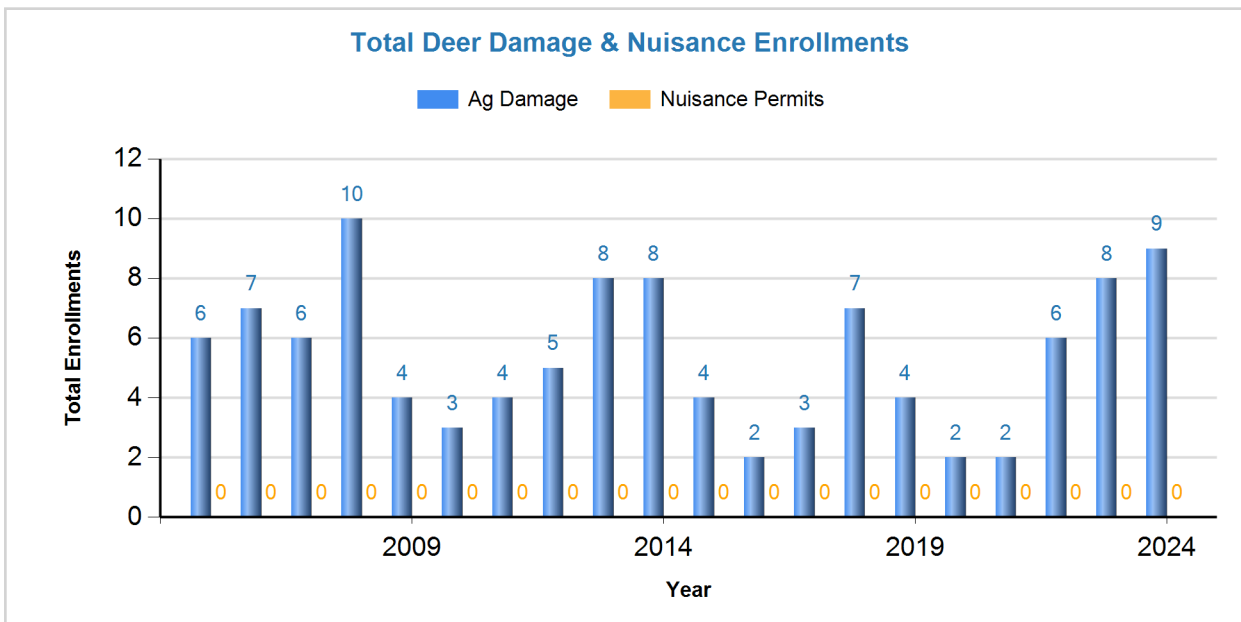
Herd Abundance

Deer herd abundance is estimated annually with hunter-collected data and a mathematical model to get post hunt deer population estimates.

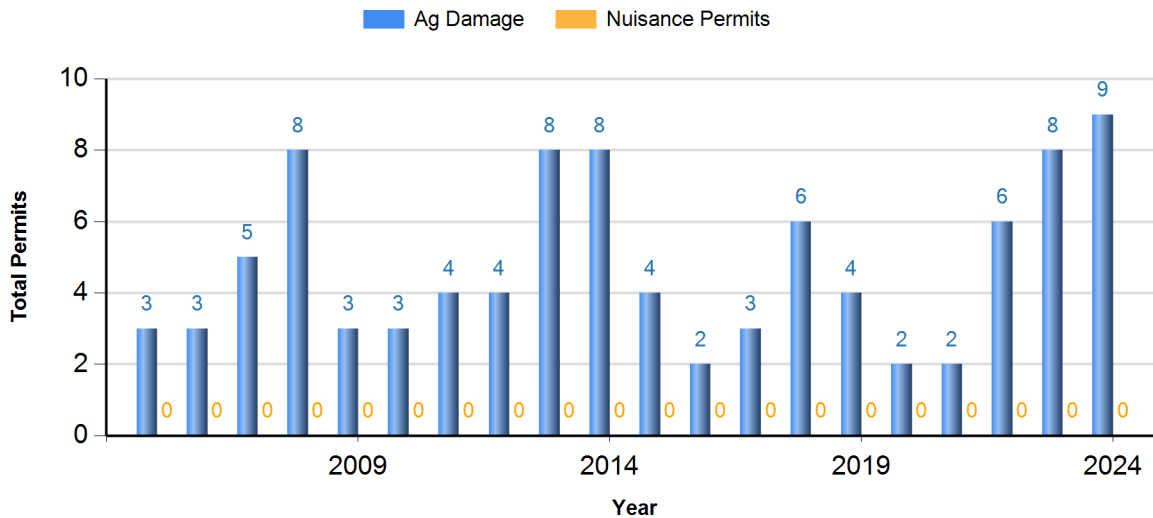


Deer Impacts – Agriculture & Nuisance Impacts

View trends in county and statewide enrollment, shooting permit, Ag Damage, and Nuisance harvest numbers over the years.



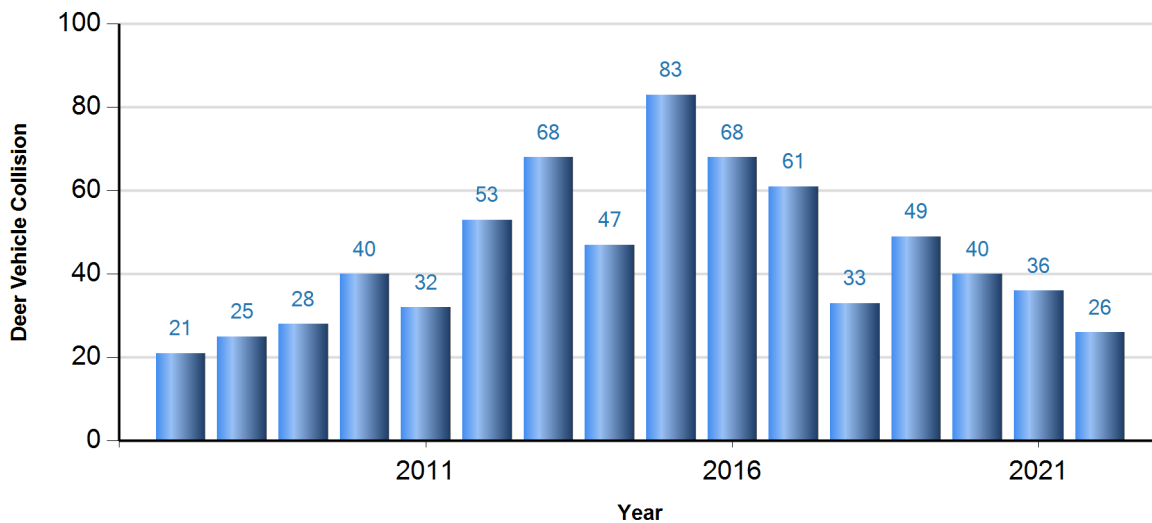
Total Deer Damage & Nuisance Shooting Permits Issued



Deer Impacts - Deer Vehicle Collision

Deer-vehicle collisions (DVCs) are one of the most visible negative impacts that deer populations have on society. As managing deer involves balancing the positive benefits of deer with their negative impacts, it makes sense to consider DVCs when making deer management decisions.

Deer Vehicle Collisions



Hunter Dynamics - Hunter Field Observations

This metric provides voluntary hunter observation data that is collected either during the process of registering a deer, or from submitted field observations through an on-line reporting form.

Deer Seen Per Hunted Hour

