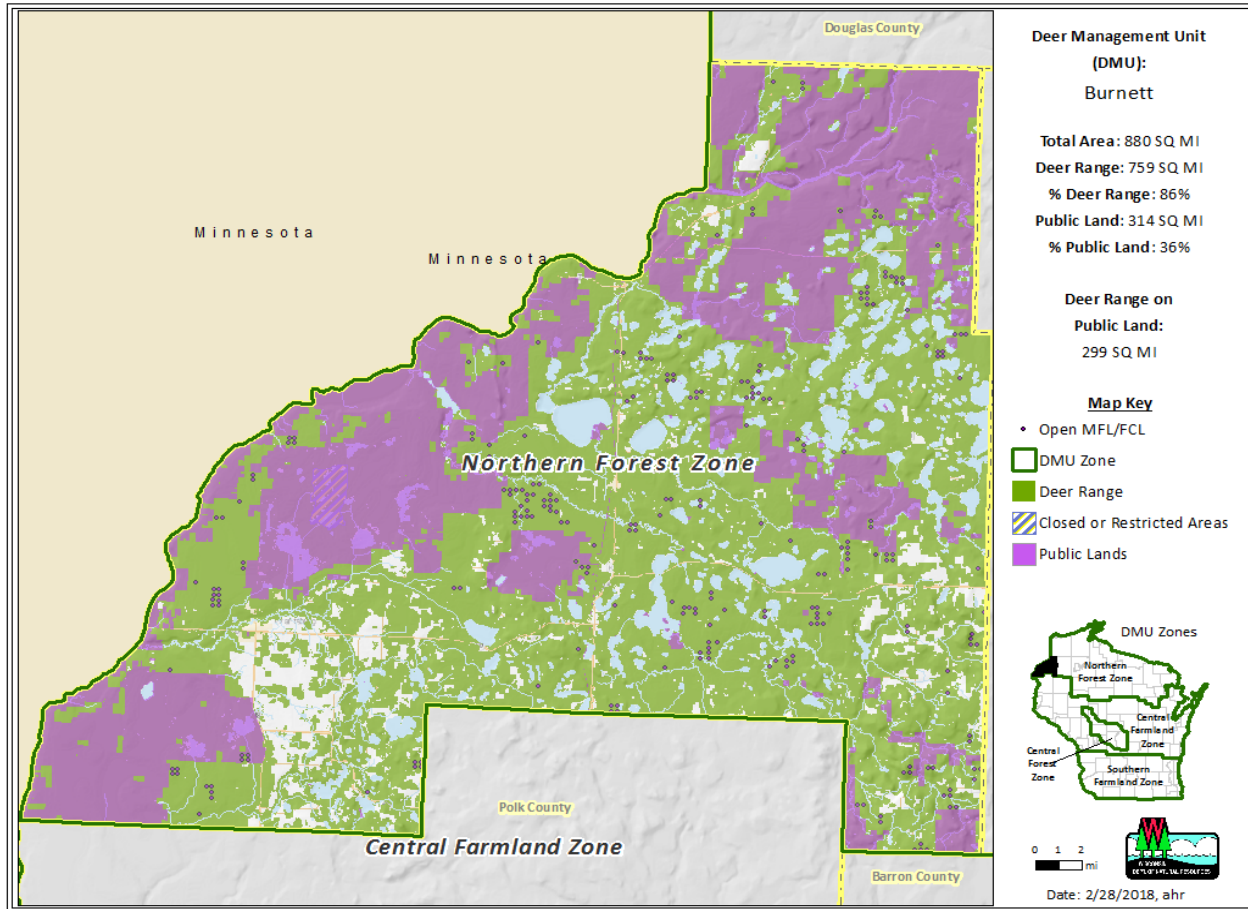


# Burnett County Deer Metrics Report

## Spring of 2024

### Management Unit:



### Manager's Note:

The Burnett County Deer Management Unit is located in the Northern Forest Zone. The unit totals 880 square miles, of which approximately 86 percent is considered suitable deer range (758 square miles). Approximately 36 percent of the unit is in public lands open to public hunting (313 square miles) and includes the Burnett County Forest, Governor Knowles State Forest, Crex Meadows Wildlife Area, Fish Lake Wildlife Area, Amsterdam Sloughs Wildlife Area, Clam River Fishery Area and St. Croix National Scenic Riverway.

The major forest cover-type in the unit is a mix of scrub oak, jack pine and aspen. The remainder of the unit is primarily in the Northwest Lowlands and Forest Transition Ecological Landscape. Forest cover in this area is comprised of a mix of northern hardwoods including red oak, maple, birch, and aspen. Hunter density on the opening day of the 9-day gun deer season over the last 10 years has ranged from 9- 22 hunters per square mile. Because of differences in habitat type, deer are not evenly distributed throughout the unit with deer densities varying from sandy, forested portions to areas with heavier soils and a mix of forest and agriculture. Buck harvest rates have varied from 2-4 bucks per square mile of deer range over the past 10 years. A limited amount of agricultural damage due to deer occurs in the unit.

The current deer herd management objective is to maintain 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.

### **Northern Forest Management Zone**

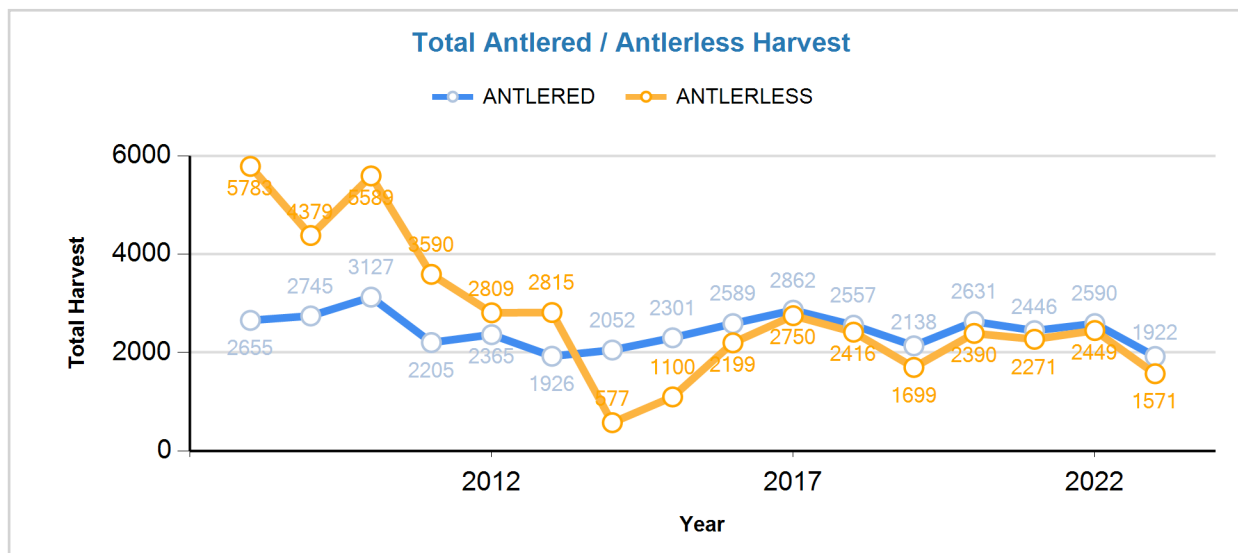
Total Area of Unit (Sq. Miles): 880.40

Deer Range of Unit (Sq. Miles): 758.80

## Total Harvest for Burnett County - Northern Forest Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	2052	2301	2589	2862	2557	2138	2631	2446	2590	1922
Antlerless	593	1100	2199	2750	2416	1699	2390	2271	2449	1571
Total	2645	3401	4788	5612	4973	3837	5021	4717	5039	3493
<b>Gun</b>										
Antlered	1484	1533	1816	1938	1808	1401	1526	1587	1759	1267
Antlerless	432	767	1568	2003	1779	1274	1666	1692	1822	1181
Total	1916	2300	3384	3941	3587	2675	3192	3279	3581	2448
<b>Bow</b>										
Antlered	305	352	325	366	248	288	386	293	260	240
Antlerless	30	112	258	283	258	153	274	221	220	139
Total	335	464	583	649	506	441	660	514	480	379
<b>Crossbow</b>										
Antlered	172	248	283	417	417	377	648	499	510	377
Antlerless	12	60	169	283	290	207	375	288	329	206
Total	184	308	452	700	707	584	1023	787	839	583
<b>Tribal*</b>										
Antlered	91	168	165	141	84	72	71	67	61	38
Antlerless	119	161	204	181	89	65	75	70	78	45
Total	210	329	369	322	173	137	146	137	139	83
<b>Youth Antlerless*</b>										
Antlerless	0	0	363	344	282	182	275	247	250	145

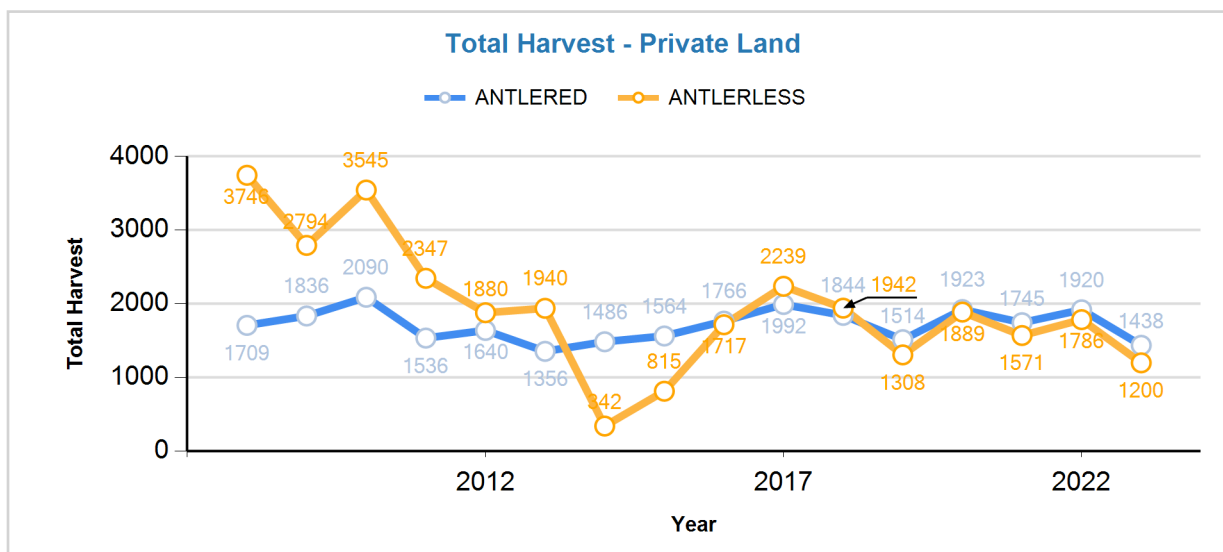
\* Tribal and Youth Antlerless data are included in above totals where they apply



## Total Harvest for Burnett County - Northern Forest Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	1486	1564	1766	1992	1844	1514	1923	1745	1920	1438
Antlerless	352	815	1717	2239	1942	1308	1889	1571	1786	1200
Total	1838	2379	3483	4231	3786	2822	3812	3316	3706	2638
<b>Gun</b>										
Antlered	1089	1093	1281	1364	1303	985	1091	1119	1290	952
Antlerless	321	652	1321	1720	1463	1005	1350	1207	1367	913
Total	1410	1745	2602	3084	2766	1990	2441	2326	2657	1865
<b>Bow</b>										
Antlered	243	259	237	263	181	204	280	203	192	183
Antlerless	23	107	234	251	217	125	208	143	151	110
Total	266	366	471	514	398	329	488	346	343	293
<b>Crossbow</b>										
Antlered	154	212	248	365	360	325	552	423	438	303
Antlerless	8	56	162	268	262	178	331	221	268	177
Total	162	268	410	633	622	503	883	644	706	480
<b>Tribal*</b>										
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
<b>Youth Antlerless*</b>										
Antlerless	0	0	271	242	218	133	211	189	189	106

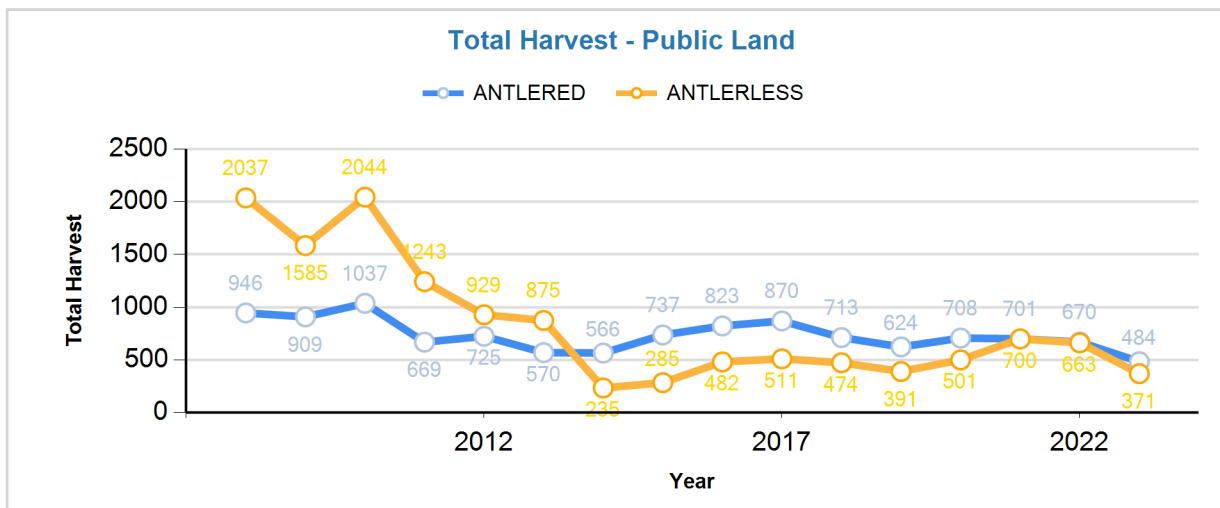
\* Tribal and Youth Antlerless data are included in above totals where they apply



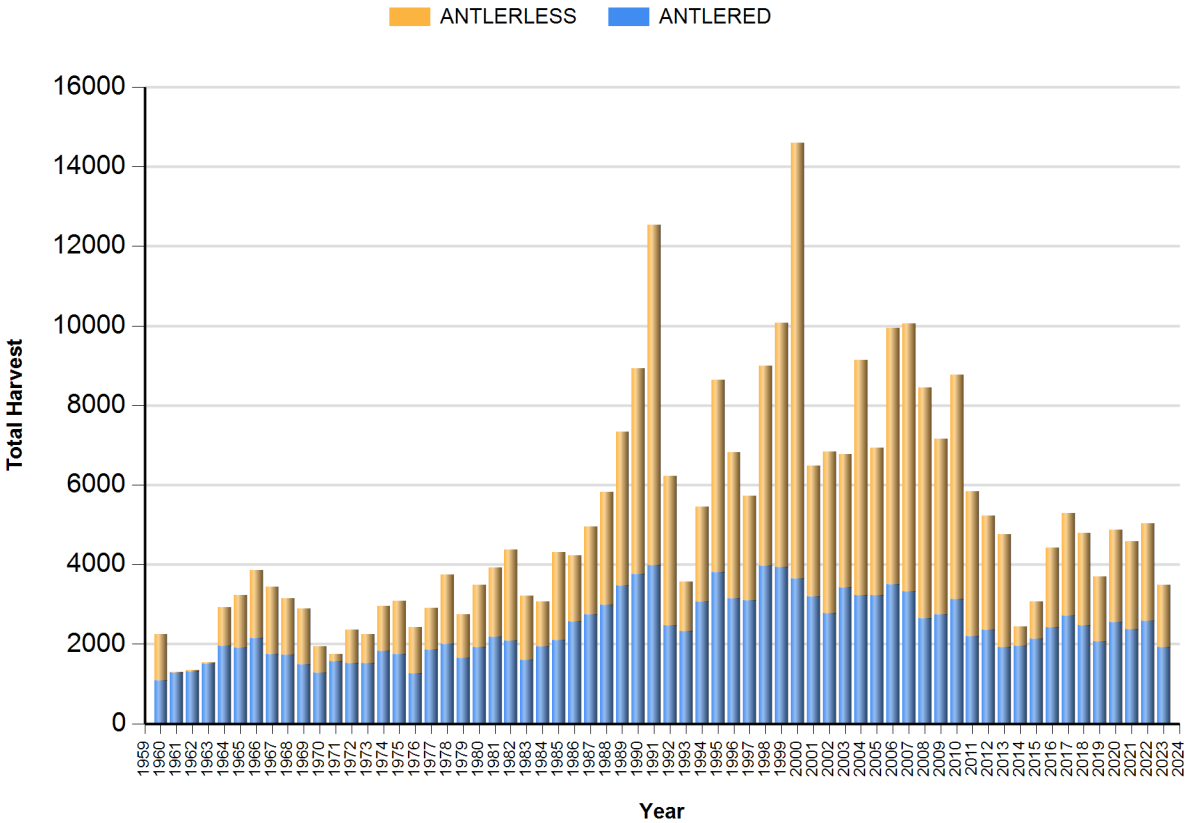
## Total Harvest for Burnett County - Northern Forest Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	566	737	823	870	713	624	708	701	670	484
Antlerless	241	285	482	511	474	391	501	700	663	371
Total	807	1022	1305	1381	1187	1015	1209	1401	1333	855
<b>Gun</b>										
Antlered	395	440	535	574	505	416	435	468	469	315
Antlerless	111	115	247	283	316	269	316	485	455	268
Total	506	555	782	857	821	685	751	953	924	583
<b>Bow</b>										
Antlered	62	93	88	103	67	84	106	90	68	57
Antlerless	7	5	24	32	41	28	66	78	69	29
Total	69	98	112	135	108	112	172	168	137	86
<b>Crossbow</b>										
Antlered	18	36	35	52	57	52	96	76	72	74
Antlerless	4	4	7	15	28	29	44	67	61	29
Total	22	40	42	67	85	81	140	143	133	103
<b>Tribal*</b>										
Antlered	91	168	165	141	84	72	71	67	61	38
Antlerless	119	161	204	181	89	65	75	70	78	45
Total	210	329	369	322	173	137	146	137	139	83
<b>Youth Antlerless*</b>										
Antlerless	0	0	92	102	64	49	64	58	61	39

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



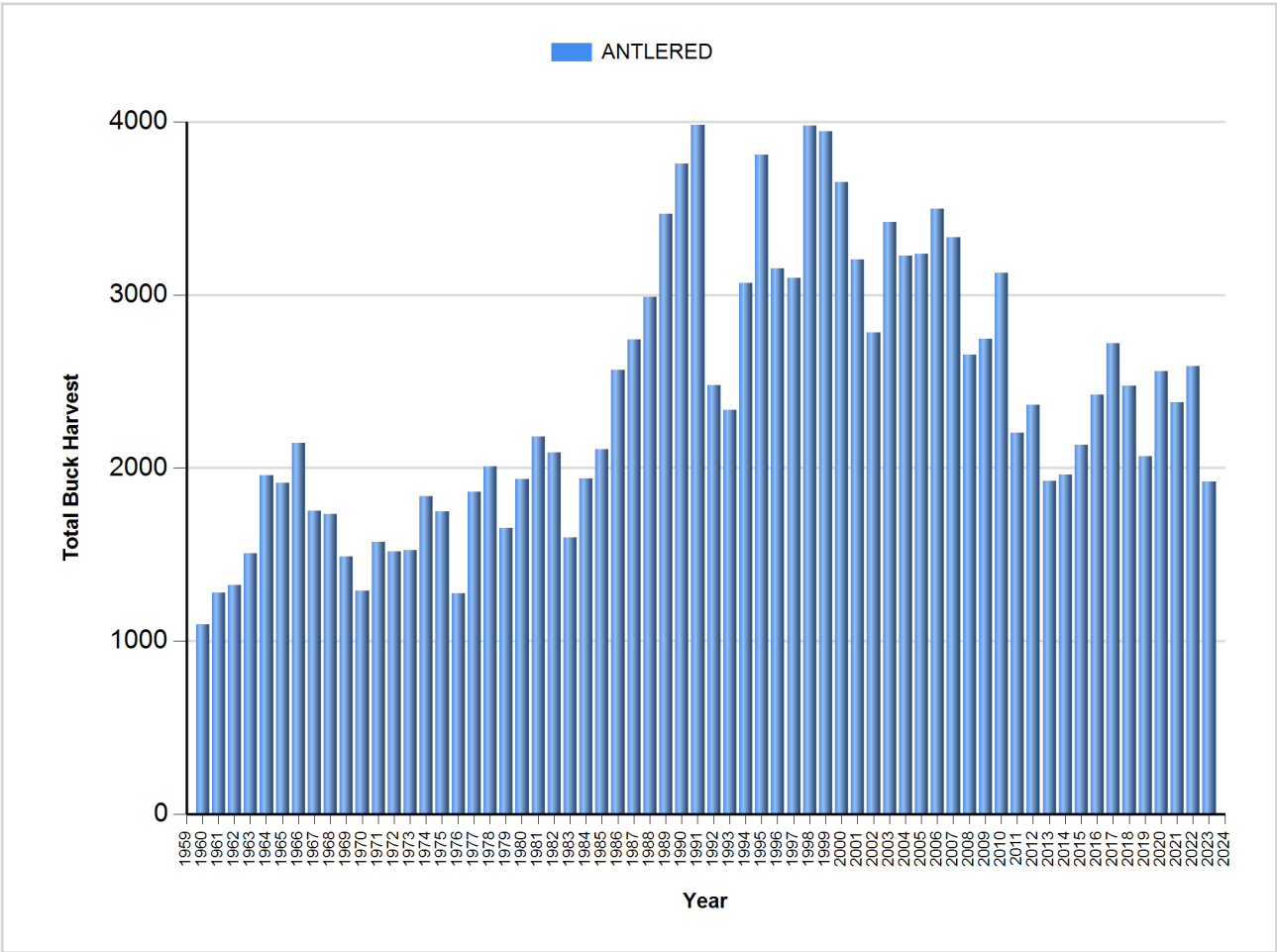
Total Deer Harvest 1960 - Present



Total Buck Harvest 1960 - Present

Historic High: 1991 - 3,982

Historic Low: 1960 - 1,097



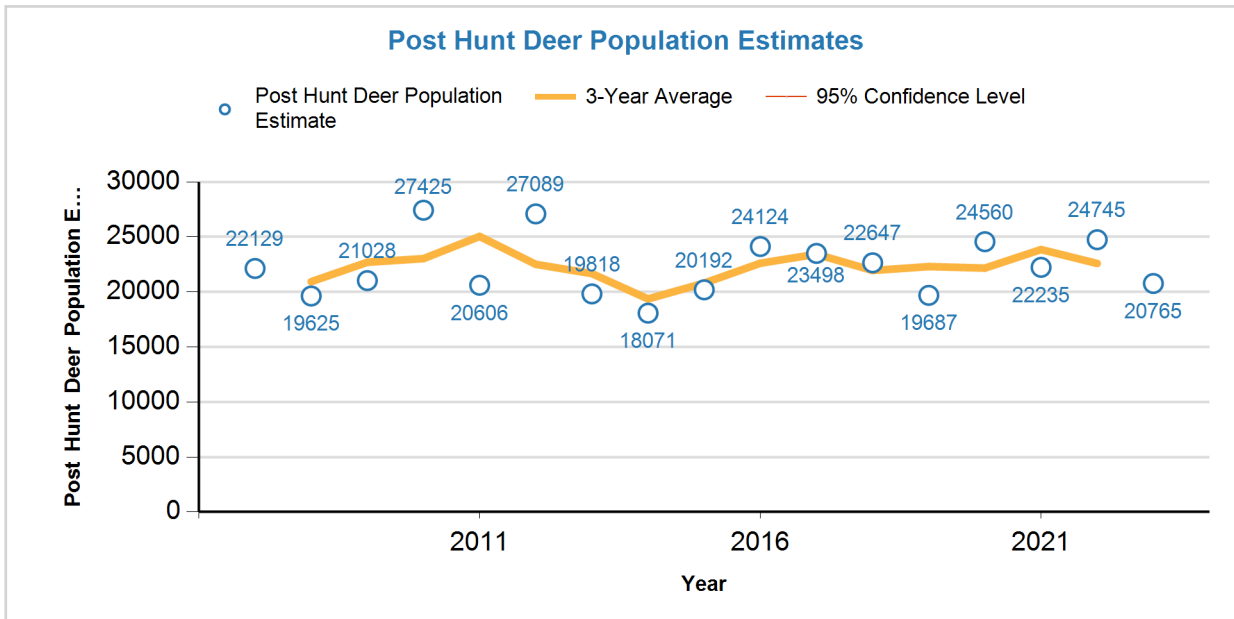
**Antlerless Tag Issuance & Success for Burnett County - Northern Forest**

Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued				
Killed				
Success Rate (%)				
<b>Farmland - Private</b>				
Issued				
Killed				
Success Rate (%)				
<b>Farmland - Total</b>				
Issued				
Killed				
Success Rate (%)				
<b>Bonus- Public</b>				
Available	1,600	3,000	2,400	1,400
Issued	1,597	3,001	2,399	1,399
Killed	355	562	518	242
Success Rate (%)	22.2	18.7	21.6	17.3
<b>Bonus- Private</b>				
Available	5,900	9,000	6,200	5,600
Issued	5,900	5,396	5,561	5,604
Killed	1,585	1,291	1,503	1,045
Success Rate (%)	26.9	23.9	27.0	18.6
<b>Bonus- Total</b>				
Available	7,500	12,000	8,600	7,000
Issued	7,497	8,397	7,960	7,003
Killed	1,940	1,853	2,021	1,287
Success Rate (%)	25.9	22.1	25.4	18.4



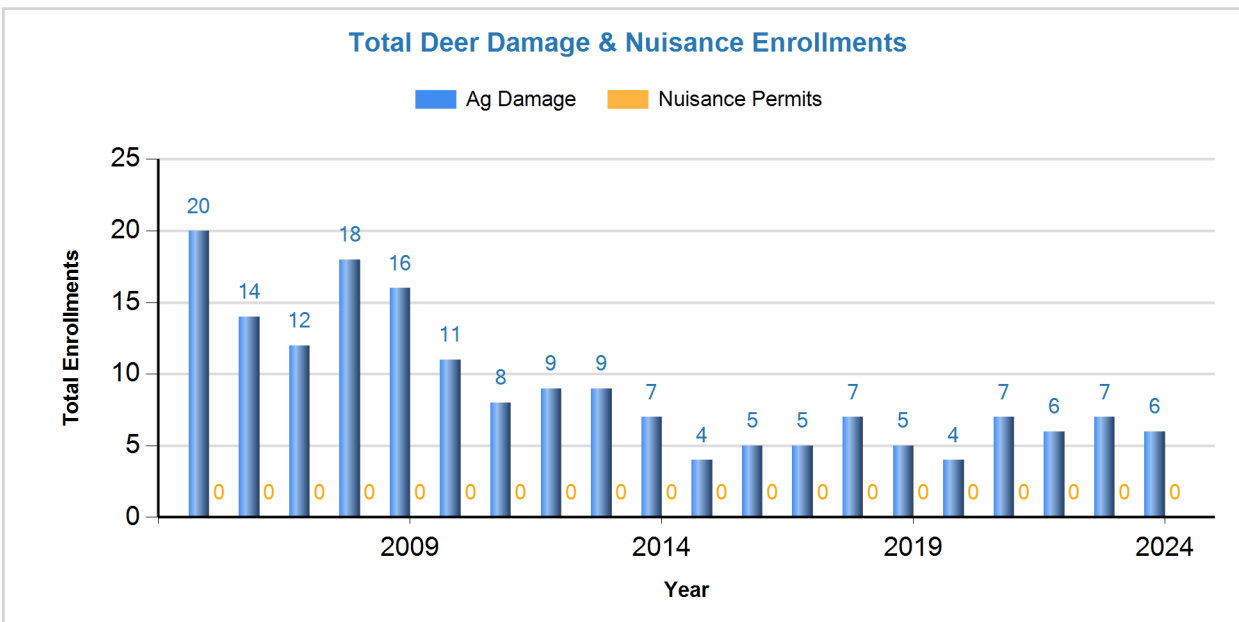
## Herd Abundance

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

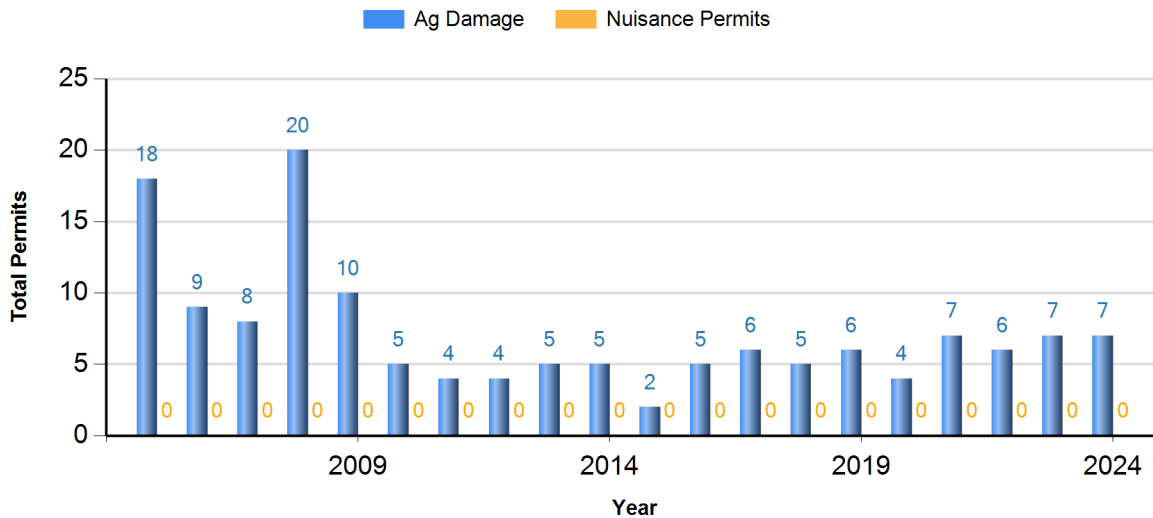


## Deer Impacts – Agriculture & Nuisance Impacts

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



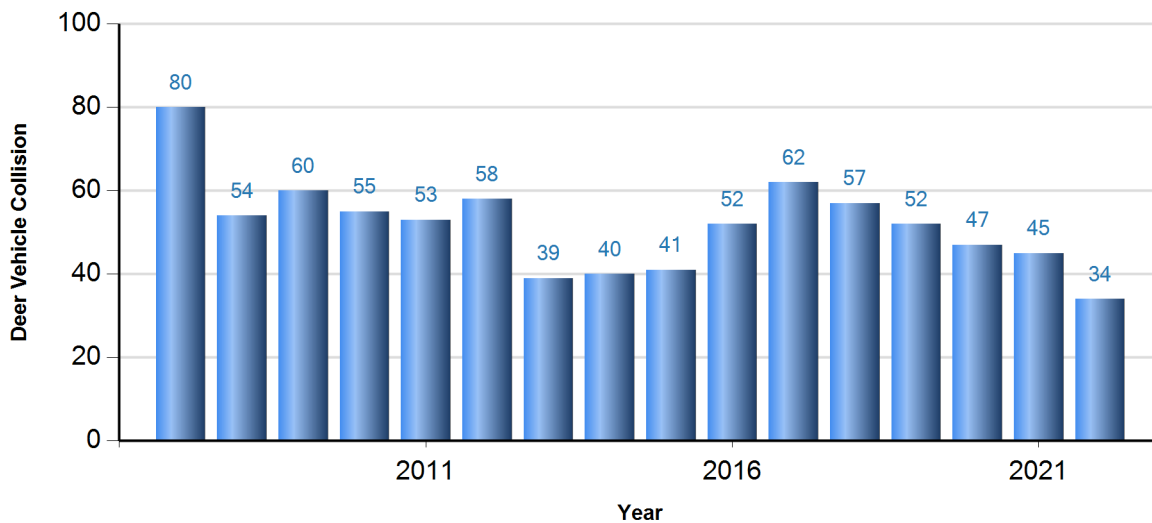
### Total Deer Damage & Nuisance Shooting Permits Issued



### 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

