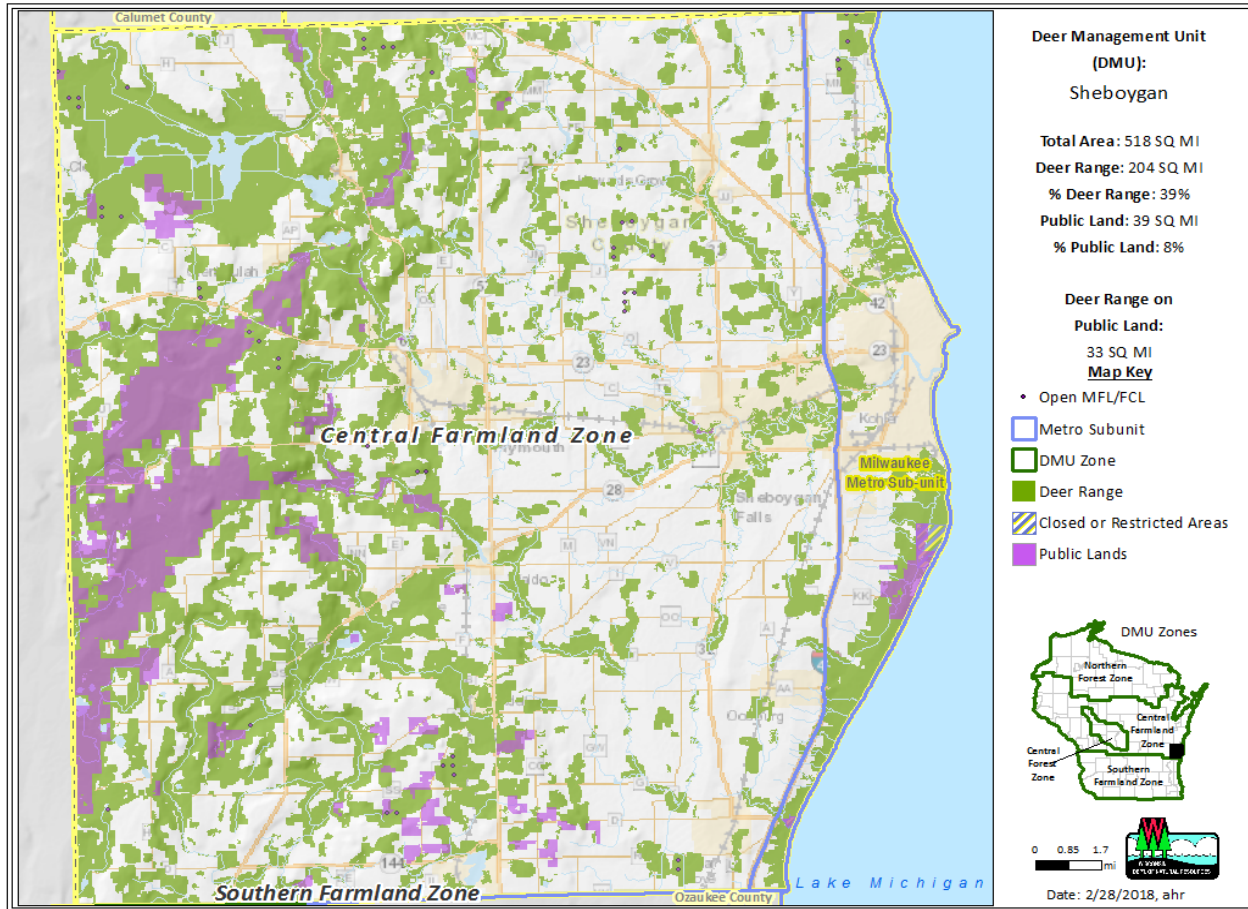


Sheboygan County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Sheboygan County Deer Management Unit is located in the Central Farmland Zone. Approximately 39 percent of the unit is considered suitable deer range (204 square miles). The deer population responds quickly to changes in harvest in this unit. The goal is to manage deer numbers at a level to minimize deer-vehicle collisions and damage to crops and natural vegetation, while providing hunting and other recreational opportunities. Large public hunting lands include Kettle Moraine State Forest-Northern Unit, Kiel Marsh and Sheboygan Marsh Wildlife Areas. These properties span several counties and contain over 24,000 acres of extensive marsh, wooded swamp and upland timber in Sheboygan County alone. Smaller public lands include Nichols Creek and Adell Wildlife Areas, LaBudde Creek Fishery Area, and Onion River Stream Bank Protection Area. All of these properties are heavily hunted because of their proximity to the large metropolitan areas of southeast Wisconsin. Private lands in the unit contain a good mix of woodlands, marshlands and farmlands. However, hunting access to them is becoming more challenging as the sizes of farms grow and rural residential development increases. Hunter densities on opening day of the 9-day gun deer season have ranged about 22-30 hunters per square-mile of deer range in past years. A few agricultural damage and nuisance deer removal permits for municipalities and airports are issued every year.

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

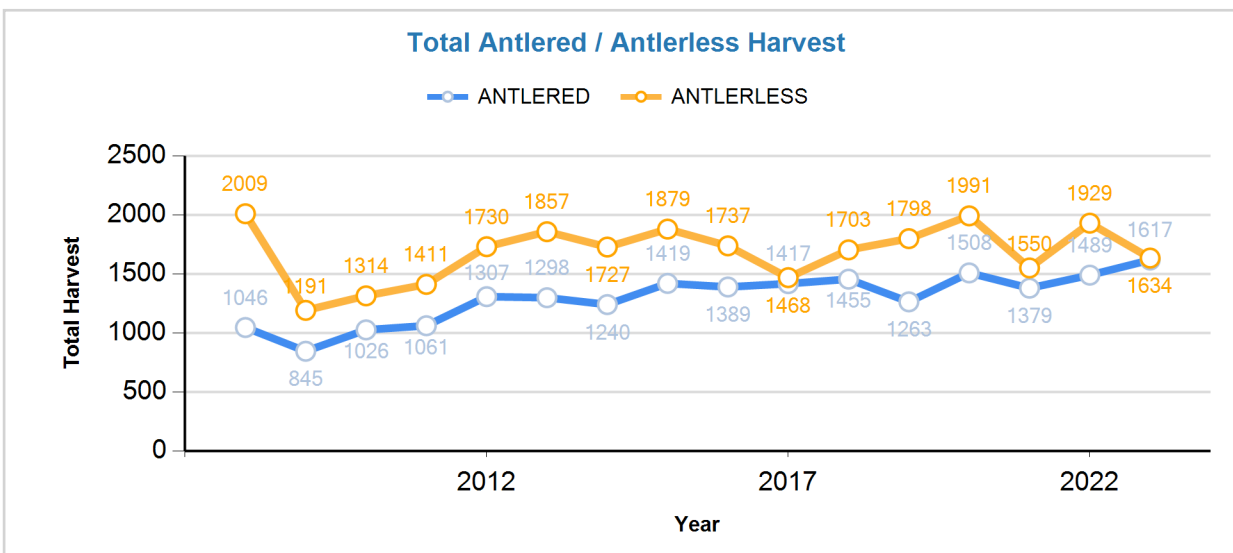
Total Area of Unit (Sq. Miles): 517.50

Deer Range of Unit (Sq. Miles): 203.40

Total Harvest for Sheboygan County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1240	1419	1389	1417	1455	1263	1508	1379	1489	1617
Antlerless	1881	1879	1737	1468	1703	1798	1991	1550	1929	1634
Total	3121	3298	3126	2885	3158	3061	3499	2929	3418	3251
Gun										
Antlered	770	830	869	871	941	686	877	752	901	948
Antlerless	1399	1413	1248	1035	1283	1222	1443	1149	1426	1155
Total	2169	2243	2117	1906	2224	1908	2320	1901	2327	2103
Bow										
Antlered	328	390	308	305	273	289	304	299	275	297
Antlerless	348	303	268	221	211	270	256	186	207	194
Total	676	693	576	526	484	559	560	485	482	491
Crossbow										
Antlered	142	199	212	241	241	288	327	328	313	372
Antlerless	134	163	221	212	209	306	292	215	296	285
Total	276	362	433	453	450	594	619	543	609	657
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	114	102	80	64	59	37	54	42

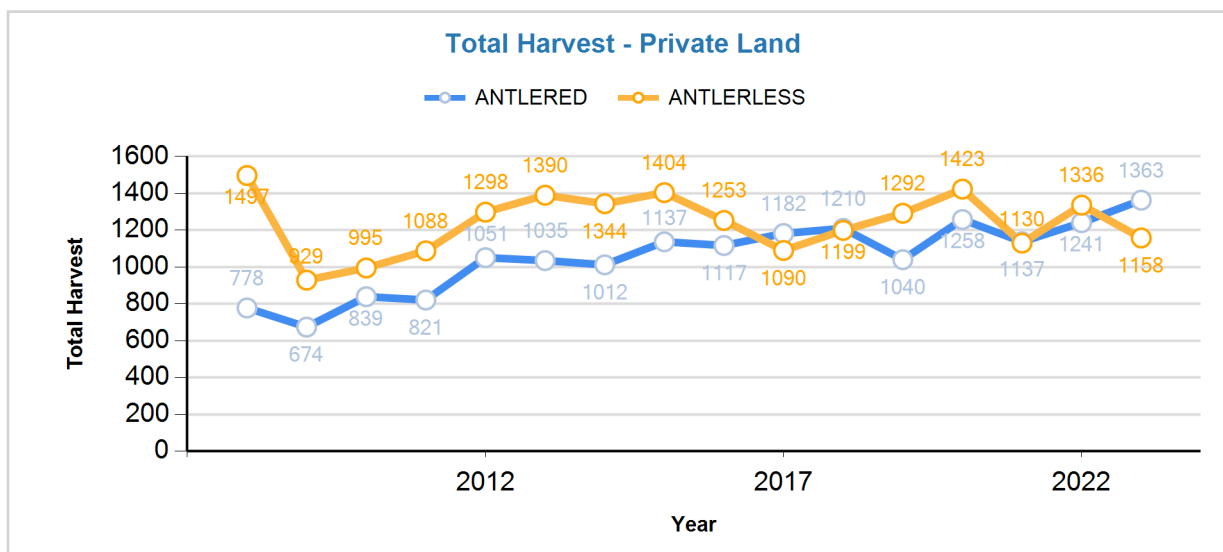
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1012	1137	1117	1182	1210	1040	1258	1137	1241	1363
Antlerless	1453	1404	1253	1090	1199	1292	1423	1130	1336	1158
Total	2465	2541	2370	2272	2409	2332	2681	2267	2577	2521
Gun										
Antlered	621	658	683	720	791	566	738	614	753	800
Antlerless	1066	1040	911	790	901	893	1033	849	999	838
Total	1687	1698	1594	1510	1692	1459	1771	1463	1752	1638
Bow										
Antlered	267	313	259	248	215	231	239	241	223	231
Antlerless	279	232	184	141	141	188	185	124	138	121
Total	546	545	443	389	356	419	424	365	361	352
Crossbow										
Antlered	124	166	175	214	204	243	281	282	265	332
Antlerless	108	132	158	159	157	211	205	157	199	199
Total	232	298	333	373	361	454	486	439	464	531
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	91	84	66	55	49	34	43	38

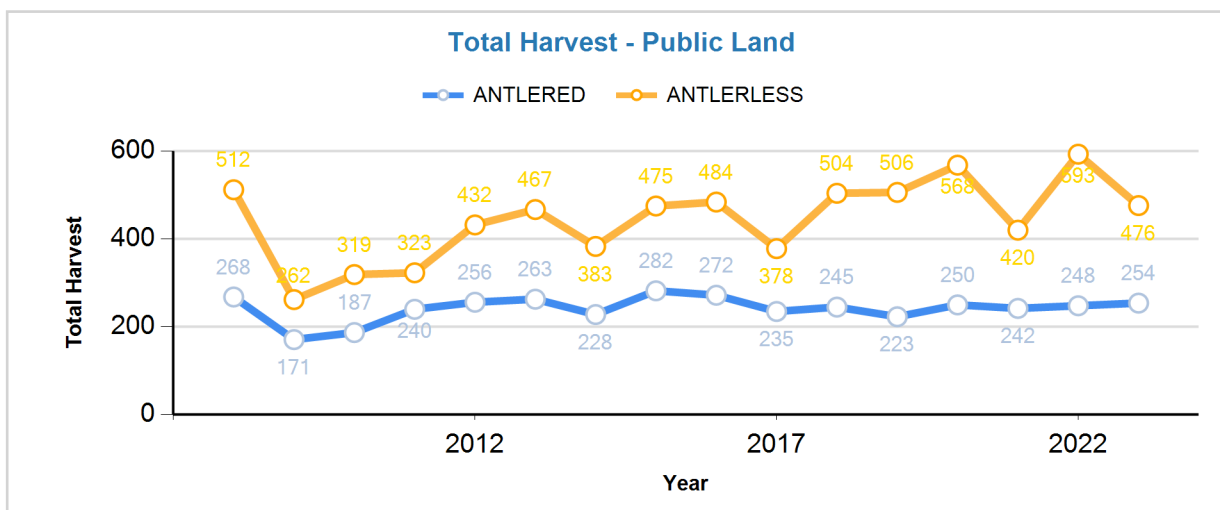
* Tribal and Youth Antlerless data are included in above totals where they apply



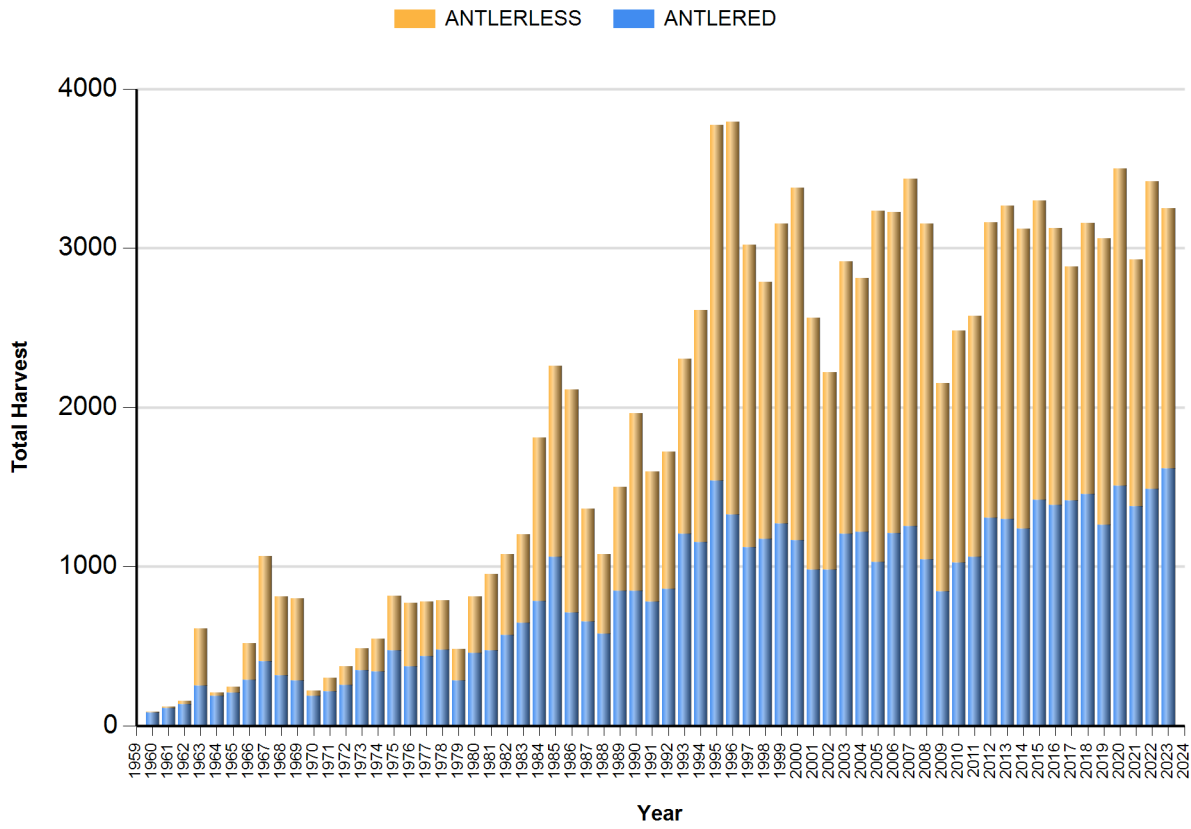
Total Harvest for Sheboygan County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	228	282	272	235	245	223	250	242	248	254
Antlerless	428	475	484	378	504	506	568	420	593	476
Total	656	757	756	613	749	729	818	662	841	730
Gun										
Antlered	149	172	186	151	150	120	139	138	148	148
Antlerless	333	373	337	245	382	329	410	300	427	317
Total	482	545	523	396	532	449	549	438	575	465
Bow										
Antlered	61	77	49	57	58	58	65	58	52	66
Antlerless	69	71	84	80	70	82	71	62	69	73
Total	130	148	133	137	128	140	136	120	121	139
Crossbow										
Antlered	18	33	37	27	37	45	46	46	48	40
Antlerless	26	31	63	53	52	95	87	58	97	86
Total	44	64	100	80	89	140	133	104	145	126
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	23	18	14	9	10	3	11	4

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



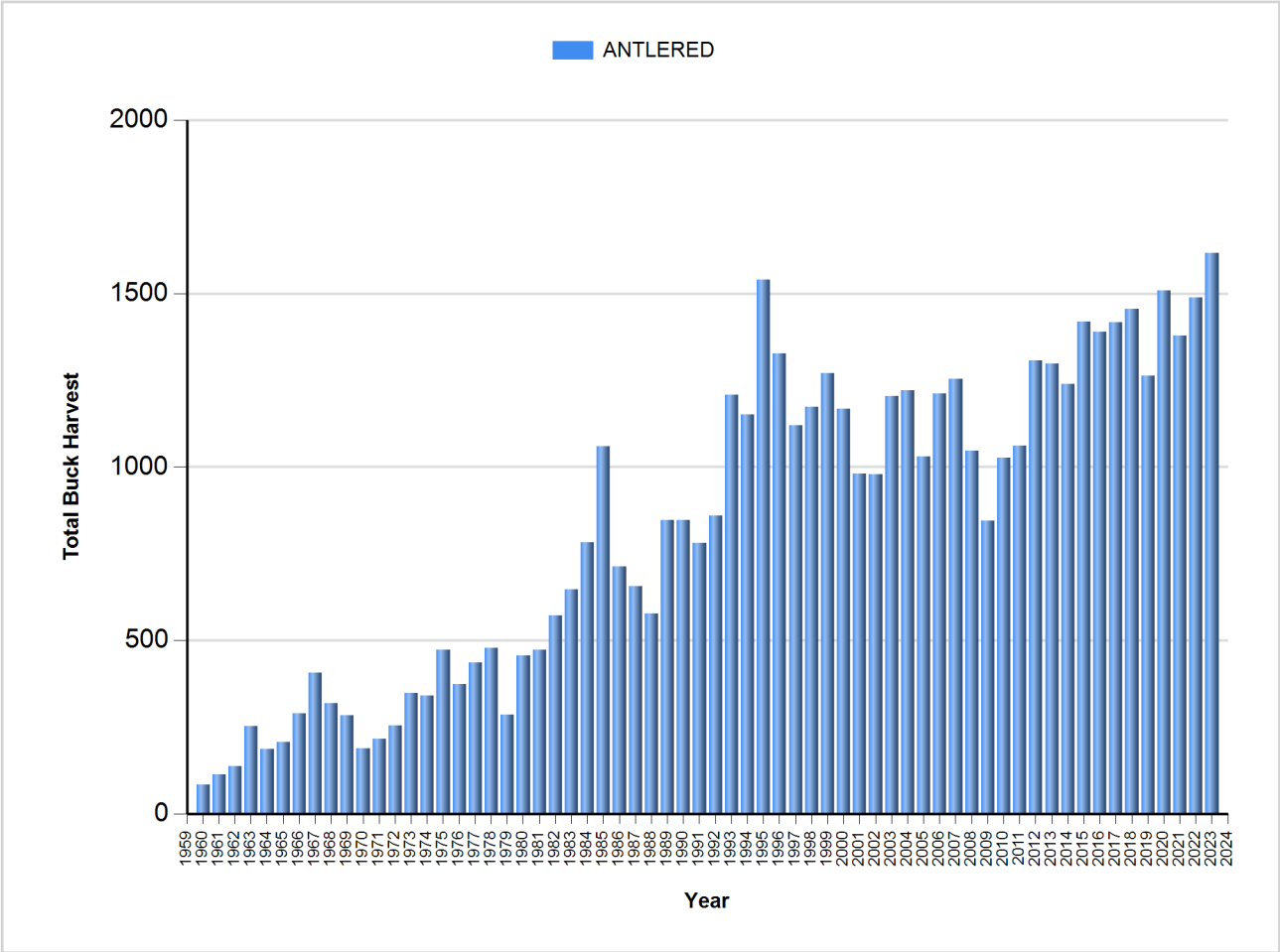
Total Deer Harvest 1960 - Present



Total Buck Harvest 1960 - Present

Historic High: 2023 - 1,617

Historic Low: 1960 - 83

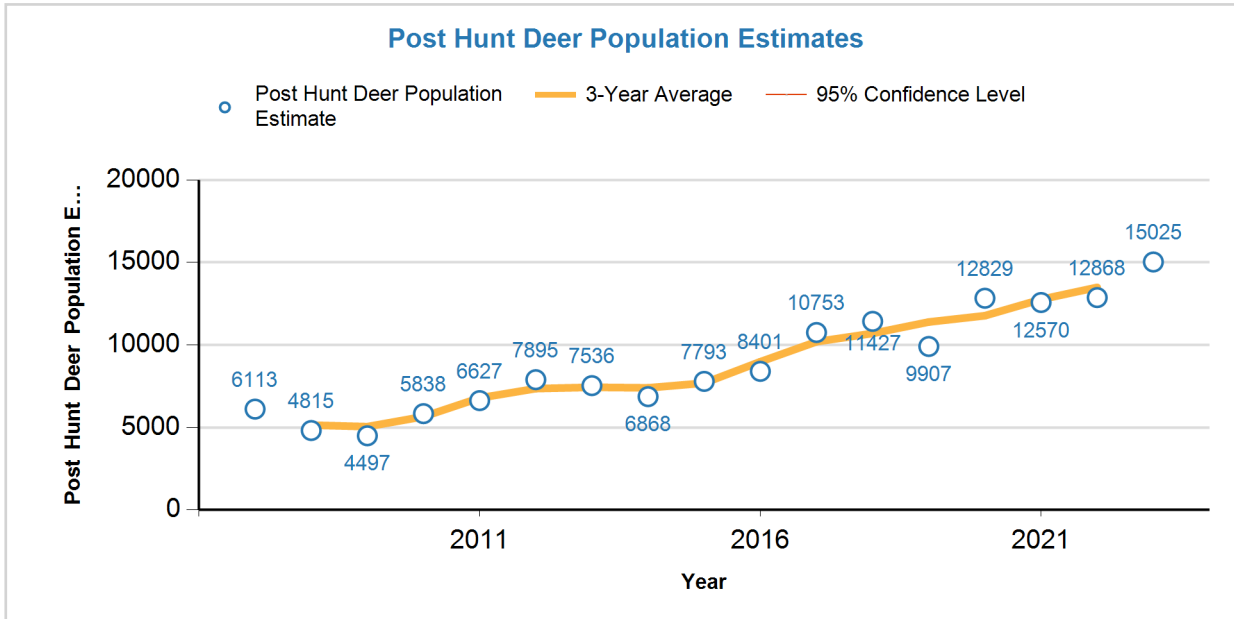


Antlerless Tag Issuance & Success for Sheboygan County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	9,376	9,048	8,914	8,998
Killed	484	367	504	362
Success Rate (%)	5.2	4.1	5.7	4.0
Farmland - Private				
Issued	13,758	12,990	12,708	13,086
Killed	1,193	911	1,111	980
Success Rate (%)	8.7	7.0	8.7	7.5
Farmland - Total				
Issued	23,134	22,038	21,622	22,084
Killed	1,677	1,278	1,615	1,342
Success Rate (%)	7.2	5.8	7.5	6.1
Bonus- Public				
Available	300	250	300	400
Issued	300	251	300	401
Killed	17	15	22	30
Success Rate (%)	5.7	6.0	7.3	7.5
Bonus- Private				
Available	750	750	750	600
Issued	593	607	589	530
Killed	62	54	56	56
Success Rate (%)	10.5	8.9	9.5	10.6
Bonus- Total				
Available	1,050	1,000	1,050	1,000
Issued	893	858	889	931
Killed	79	69	78	86
Success Rate (%)	8.8	8.0	8.8	9.2

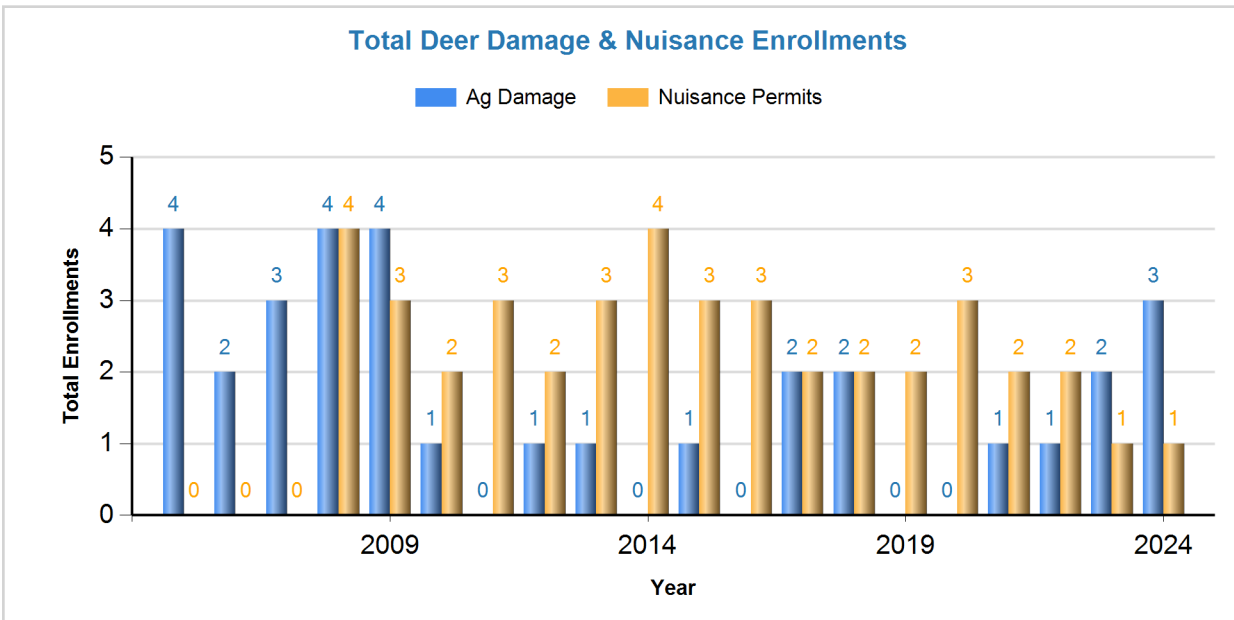
Herd Abundance

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

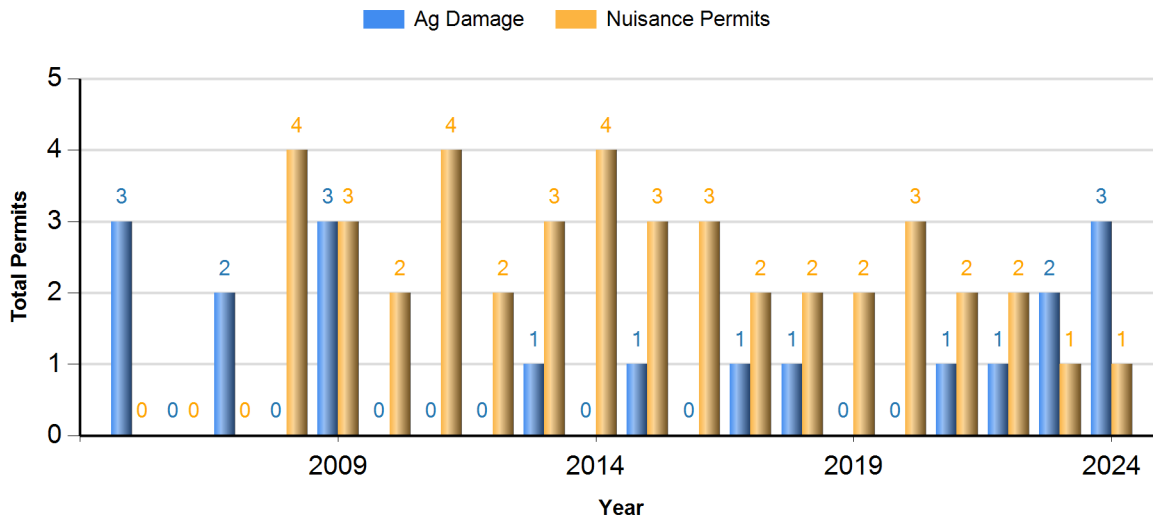


Deer Impacts – Agriculture & Nuisance Impacts

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



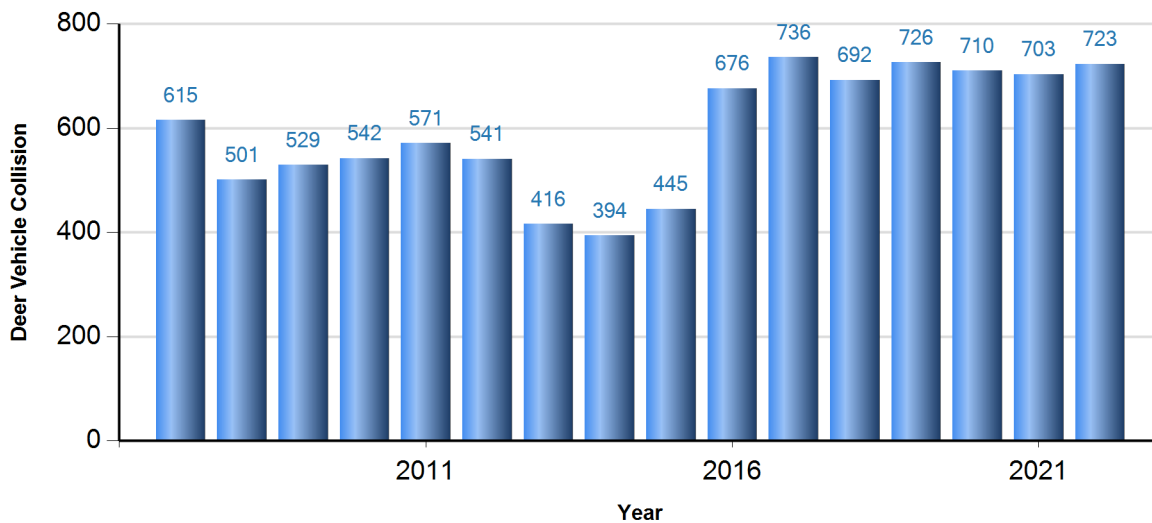
Total Deer Damage & Nuisance Shooting Permits Issued



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

