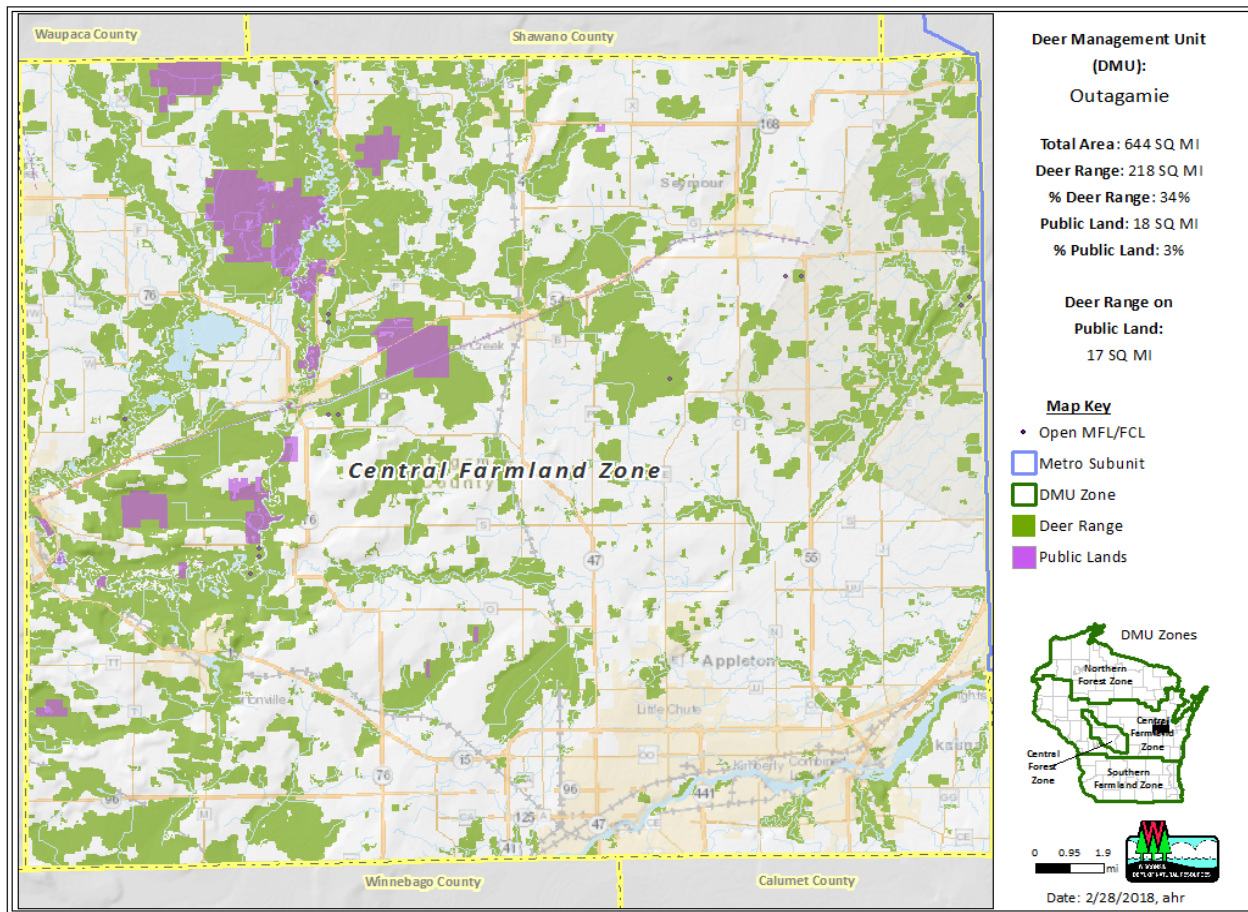


Outagamie County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Outagamie County Deer Management Unit is located in the Central Farmland Zone. Approximately 34 percent of the unit is considered suitable deer range. The unit contains over 12,000 acres of public land predominately located in the western one-third of the County. Public lands include Deer Creek Wildlife Area, Maine Wildlife Area, Mack Wildlife Area, Outagamie Wildlife Area, Wolf River Bottoms Wildlife Area—Herb Behnke & LaSage Units, Hortonville Bog State Natural Area, Shakey Lake State Natural Area and Lower Wolf River Bottomlands Natural Resource Area parcels. Habitats are comprised of bottomland hardwoods; large wetland complexes in association with the Wolf, Embarrass and Shioc Rivers; mixed conifer, hardwood forests on the uplands and agriculture in the remaining areas. Habitat quality varies greatly throughout the unit creating a tremendous disparity in deer distribution. Hunter densities on opening day of the 9-day gun deer season average about 31 hunters per square mile of deer range and 11 bucks per square mile of deer range are harvested in the unit. The current herd management objective is to stabilize 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

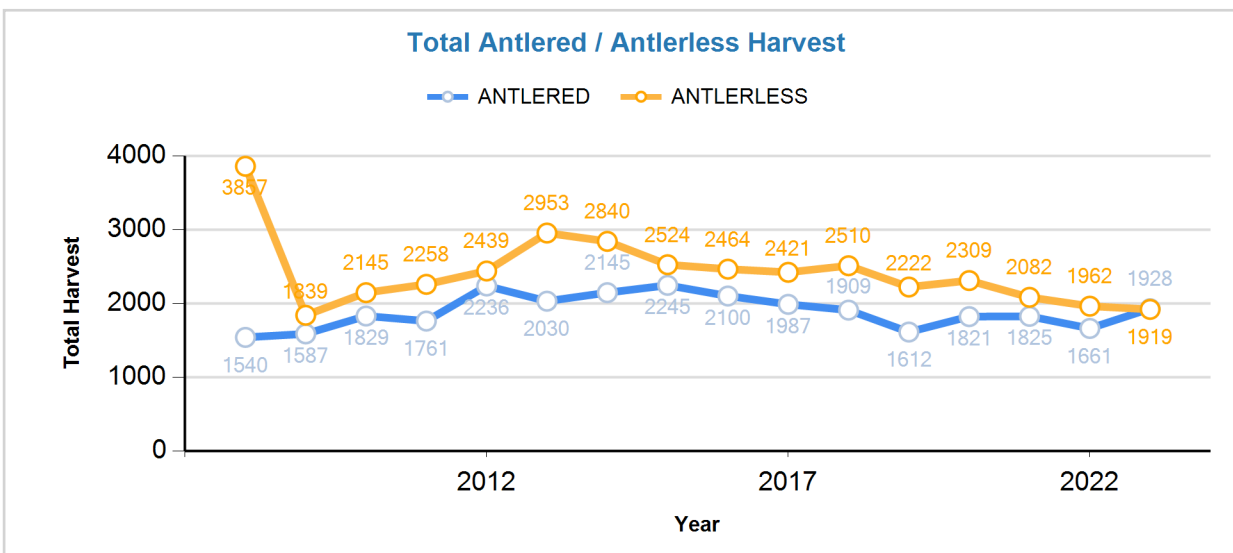
Total Area of Unit (Sq. Miles): 644.10

Deer Range of Unit (Sq. Miles): 218.20

Total Harvest for Outagamie County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	2145	2245	2100	1987	1909	1612	1821	1825	1661	1928
Antlerless	2871	2524	2464	2422	2510	2222	2309	2082	1962	1919
Total	5016	4769	4564	4409	4419	3834	4130	3907	3623	3847
Gun										
Antlered	1323	1284	1165	1122	1137	787	903	944	973	1027
Antlerless	2098	1771	1571	1535	1678	1449	1469	1381	1376	1328
Total	3421	3055	2736	2657	2815	2236	2372	2325	2349	2355
Bow										
Antlered	571	579	457	391	313	324	349	325	263	324
Antlerless	511	451	431	402	309	297	292	248	217	208
Total	1082	1030	888	793	622	621	641	573	480	532
Crossbow										
Antlered	251	382	395	393	370	426	476	474	425	484
Antlerless	262	302	365	390	434	429	470	384	369	328
Total	513	684	760	783	804	855	946	858	794	812
Tribal*										
Antlered	0	0	83	81	89	75	93	82	0	93
Antlerless	0	0	97	95	89	47	78	69	0	55
Total	0	0	180	176	178	122	171	151	0	148
Youth Antlerless*										
Antlerless	0	0	163	130	126	122	179	108	83	71

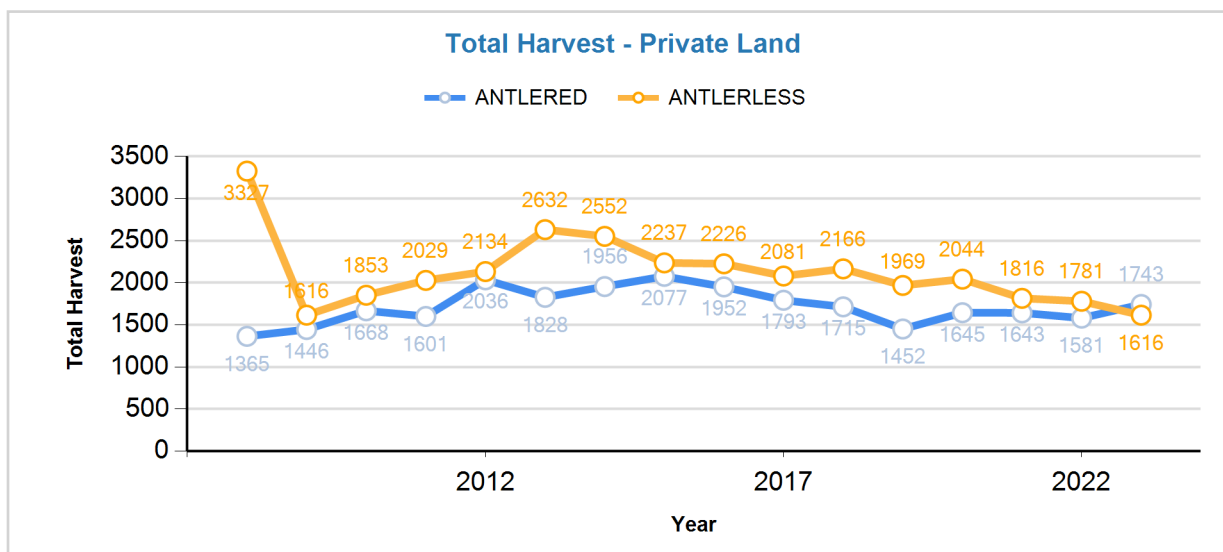
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1956	2077	1952	1793	1715	1452	1645	1643	1581	1743
Antlerless	2581	2237	2226	2082	2166	1969	2044	1816	1781	1616
Total	4537	4314	4178	3875	3881	3421	3689	3459	3362	3359
Gun										
Antlered	1209	1184	1088	1069	1082	761	867	899	927	980
Antlerless	1874	1583	1430	1389	1516	1336	1356	1261	1264	1145
Total	3083	2767	2518	2458	2598	2097	2223	2160	2191	2125
Bow										
Antlered	515	529	415	355	288	287	322	295	243	295
Antlerless	465	388	372	342	253	252	262	209	184	175
Total	980	917	787	697	541	539	584	504	427	470
Crossbow										
Antlered	232	364	366	369	345	404	456	449	411	468
Antlerless	242	266	327	351	397	381	426	346	333	296
Total	474	630	693	720	742	785	882	795	744	764
Tribal*										
Antlered	0	0	83	0	0	0	0	0	0	0
Antlerless	0	0	97	0	0	0	0	0	0	0
Total	0	0	180	0	0	0	0	0	0	0
Youth Antlerless*										
Antlerless	0	0	150	122	118	113	169	104	78	69

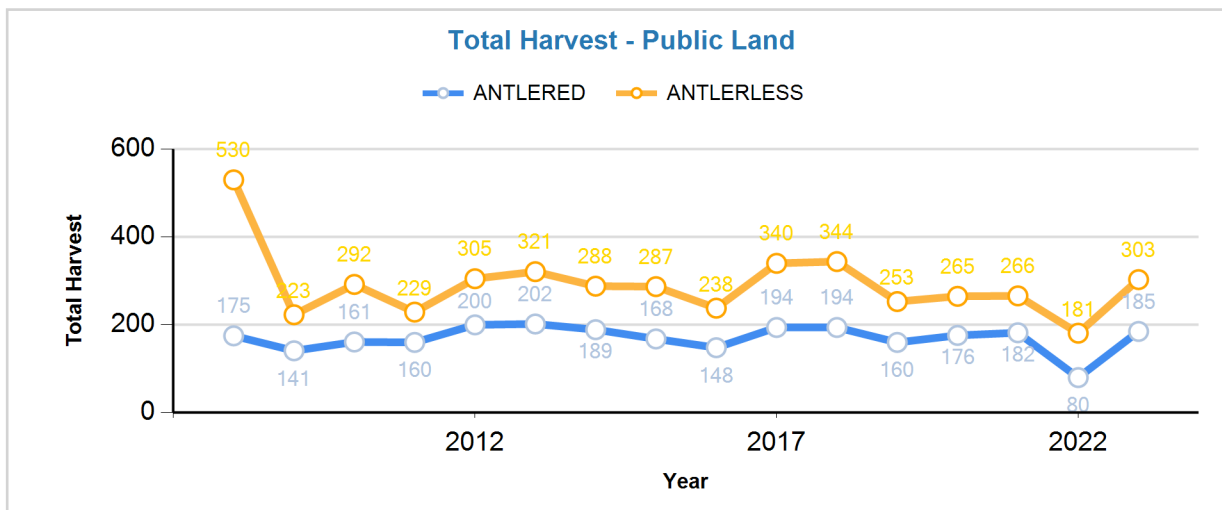
* Tribal and Youth Antlerless data are included in above totals where they apply

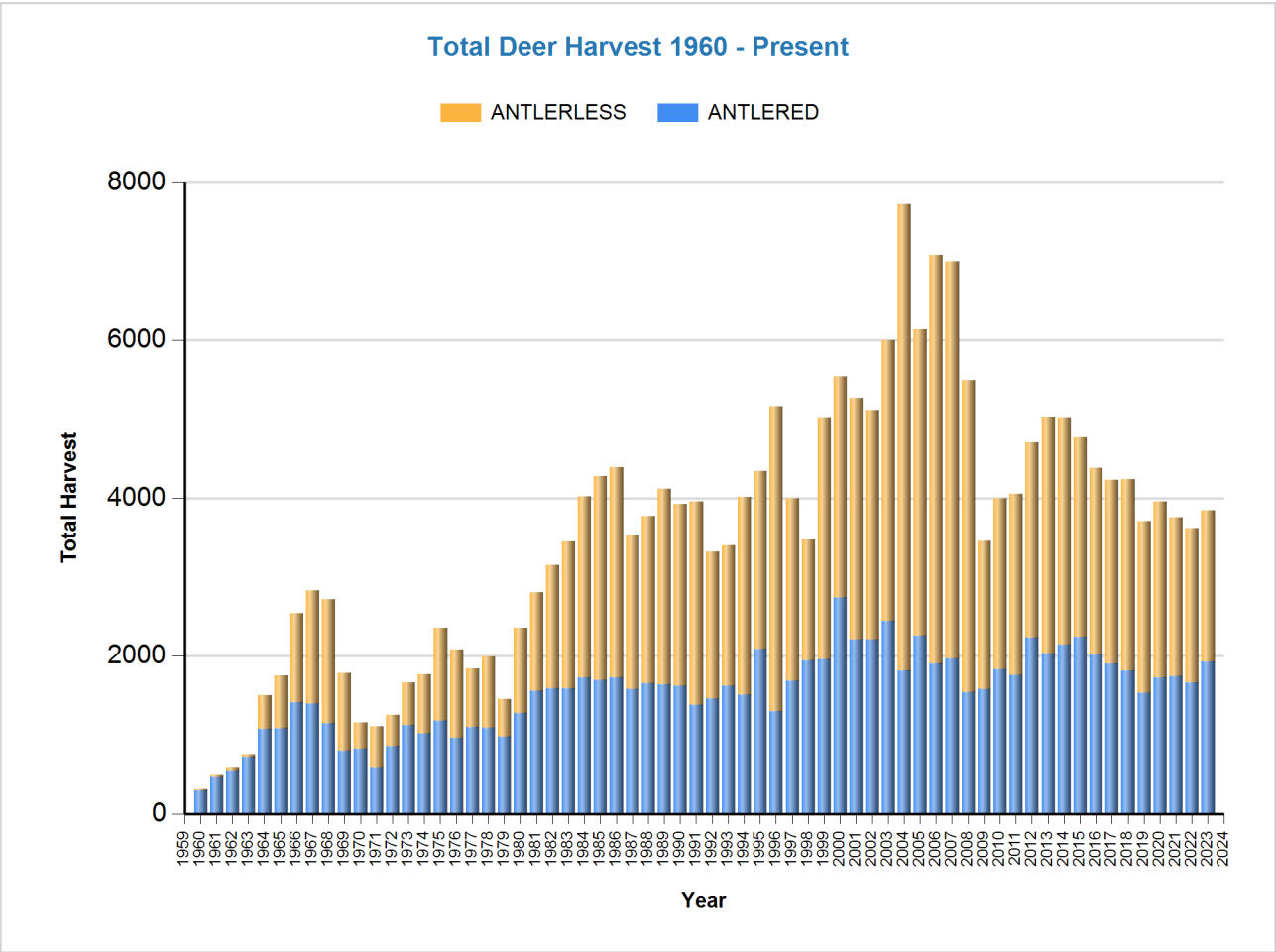


Total Harvest for Outagamie County - Central Farmland Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	189	168	148	194	194	160	176	182	80	185
Antlerless	290	287	238	340	344	253	265	266	181	303
Total	479	455	386	534	538	413	441	448	261	488
Gun										
Antlered	114	100	77	53	55	26	36	45	46	47
Antlerless	224	188	141	146	162	113	113	120	112	183
Total	338	288	218	199	217	139	149	165	158	230
Bow										
Antlered	56	50	42	36	25	37	27	30	20	29
Antlerless	46	63	59	60	56	45	30	39	33	33
Total	102	113	101	96	81	82	57	69	53	62
Crossbow										
Antlered	19	18	29	24	25	22	20	25	14	16
Antlerless	20	36	38	39	37	48	44	38	36	32
Total	39	54	67	63	62	70	64	63	50	48
Tribal*										
Antlered	0	0	0	81	89	75	93	82	0	93
Antlerless	0	0	0	95	89	47	78	69	0	55
Total	0	0	0	176	178	122	171	151	0	148
Youth Antlerless*										
Antlerless	0	0	13	8	8	9	10	4	5	2

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

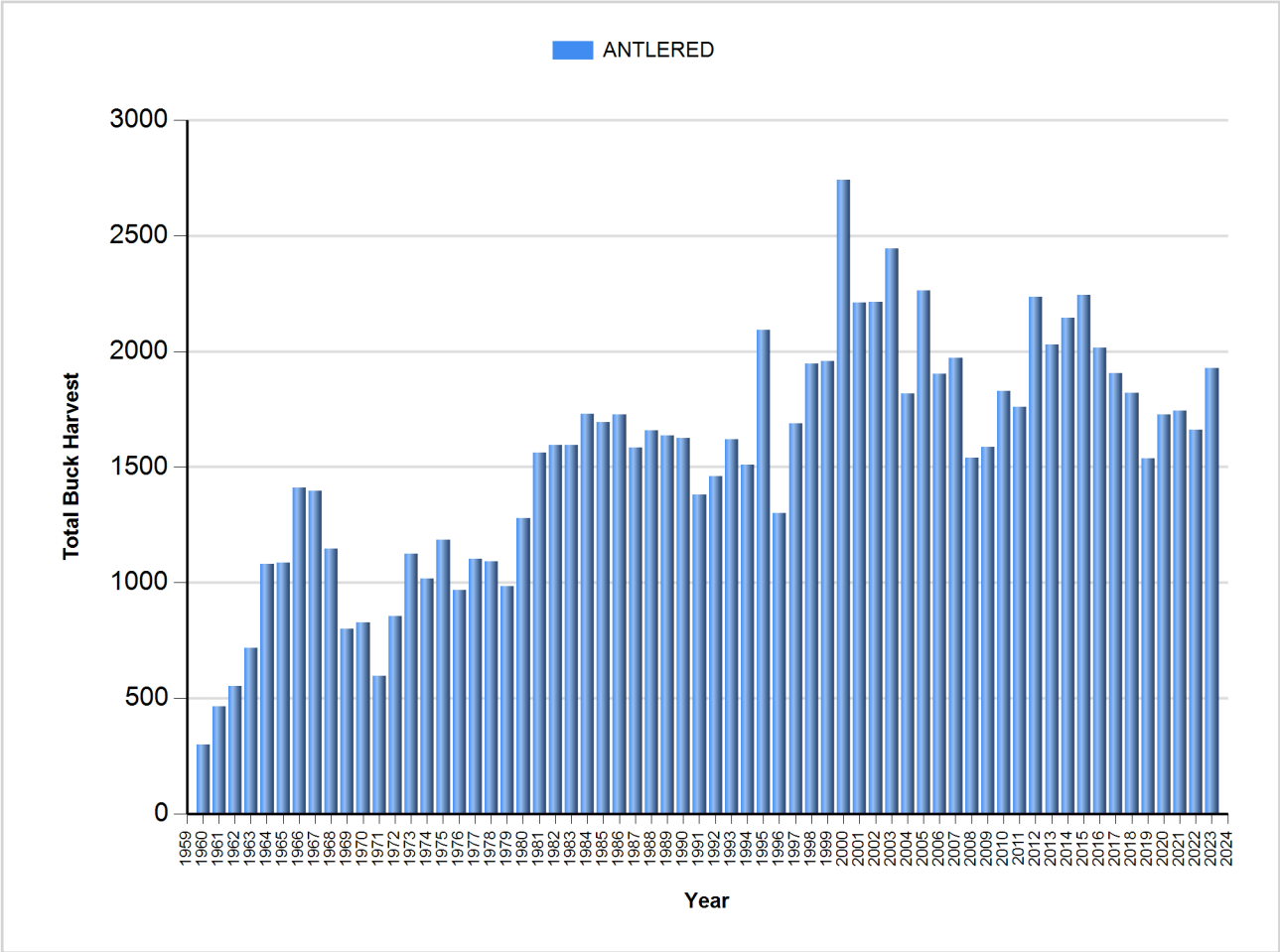




Total Buck Harvest 1960 - Present

Historic High: 2000 - 2,741

Historic Low: 1960 - 298

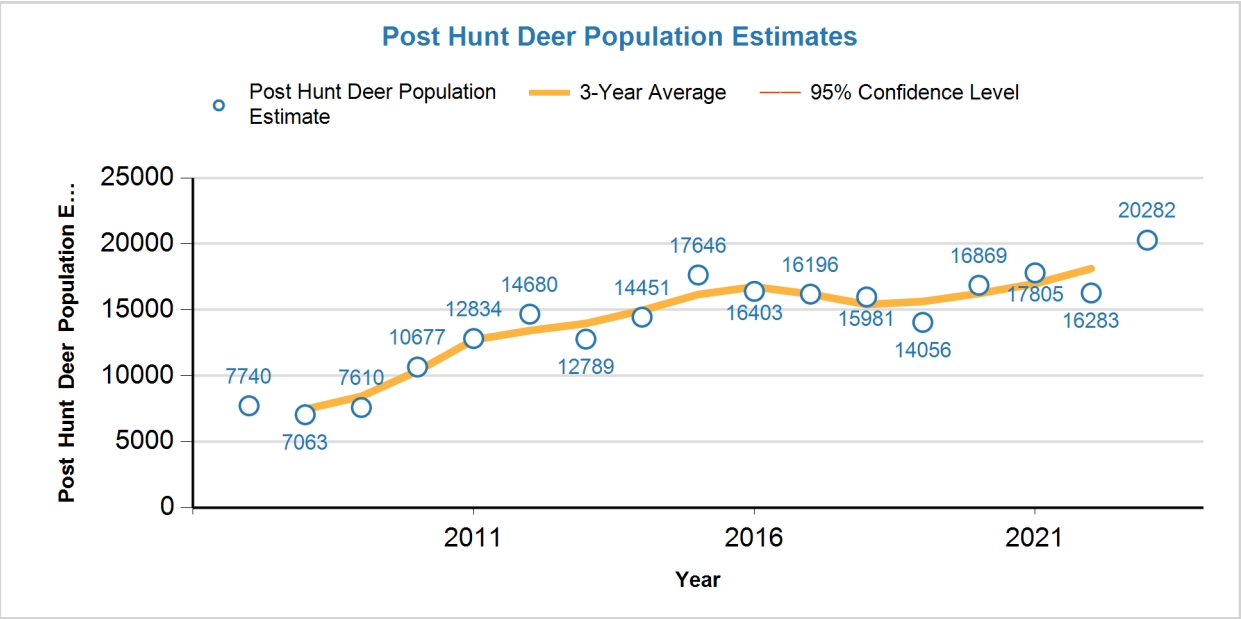


Antlerless Tag Issuance & Success for Outagamie County - Central Farmland

Year	2020	2021	2022	2023
Farmland - Public				
Issued	2,136	4,861	4,491	4,650
Killed	143	179	162	167
Success Rate (%)	6.7	3.7	3.6	3.6
Farmland - Private				
Issued	10,408	19,043	18,483	18,634
Killed	1,518	1,506	1,499	1,409
Success Rate (%)	14.6	7.9	8.1	7.6
Farmland - Total				
Issued	12,544	23,904	22,974	23,284
Killed	1,661	1,685	1,661	1,576
Success Rate (%)	13.2	7.0	7.2	6.8
Bonus- Public				
Available	600	600	600	600
Issued	438	279	270	262
Killed	32	10	13	17
Success Rate (%)	7.3	3.6	4.8	6.5
Bonus- Private				
Available	1,400	1,400	1,400	1,400
Issued	961	612	557	548
Killed	228	102	84	86
Success Rate (%)	23.7	16.7	15.1	15.7
Bonus- Total				
Available	2,000	2,000	2,000	2,000
Issued	1,399	891	827	810
Killed	260	112	97	103
Success Rate (%)	18.6	12.6	11.7	12.7

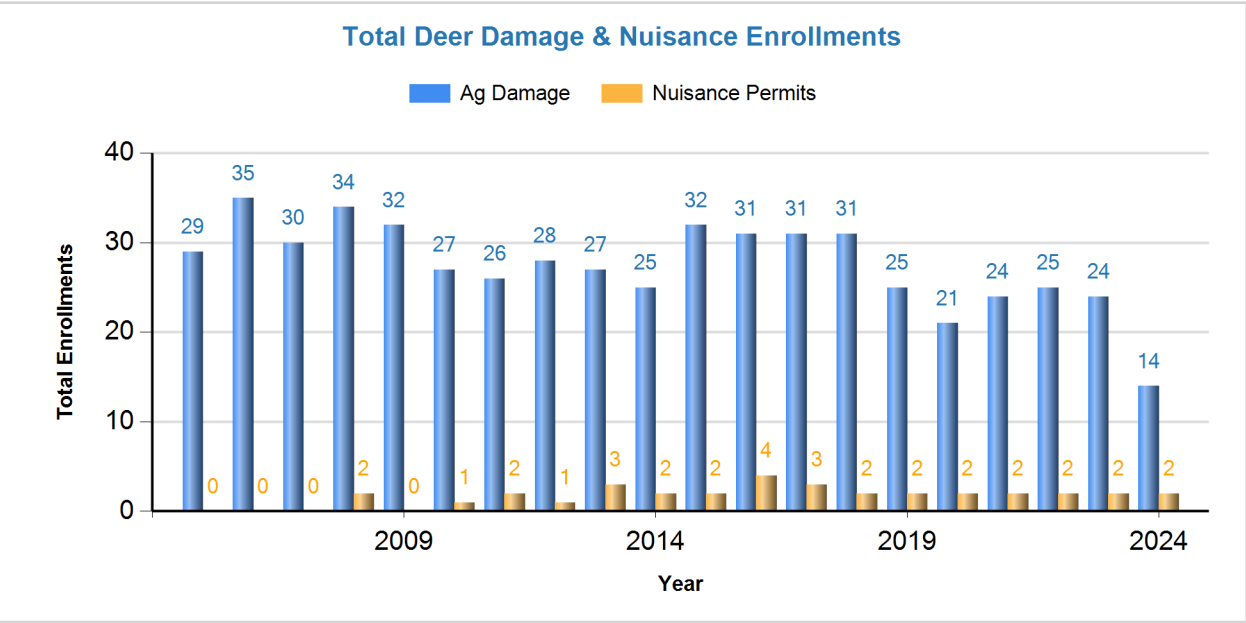
Herd Abundance

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

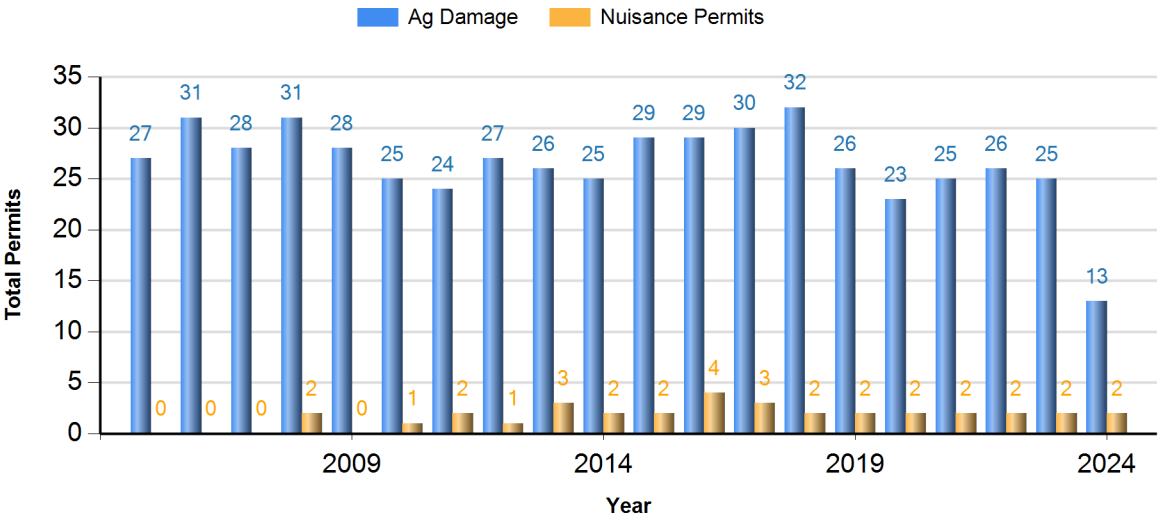


Deer Impacts – Agriculture & Nuisance Impacts

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



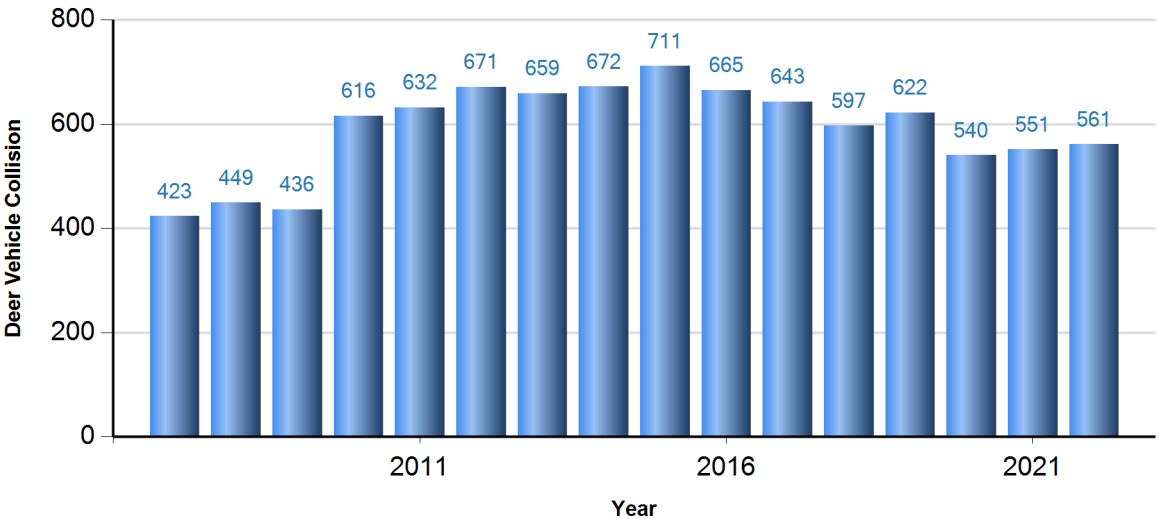
Total Deer Damage & Nuisance Shooting Permits Issued



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.

