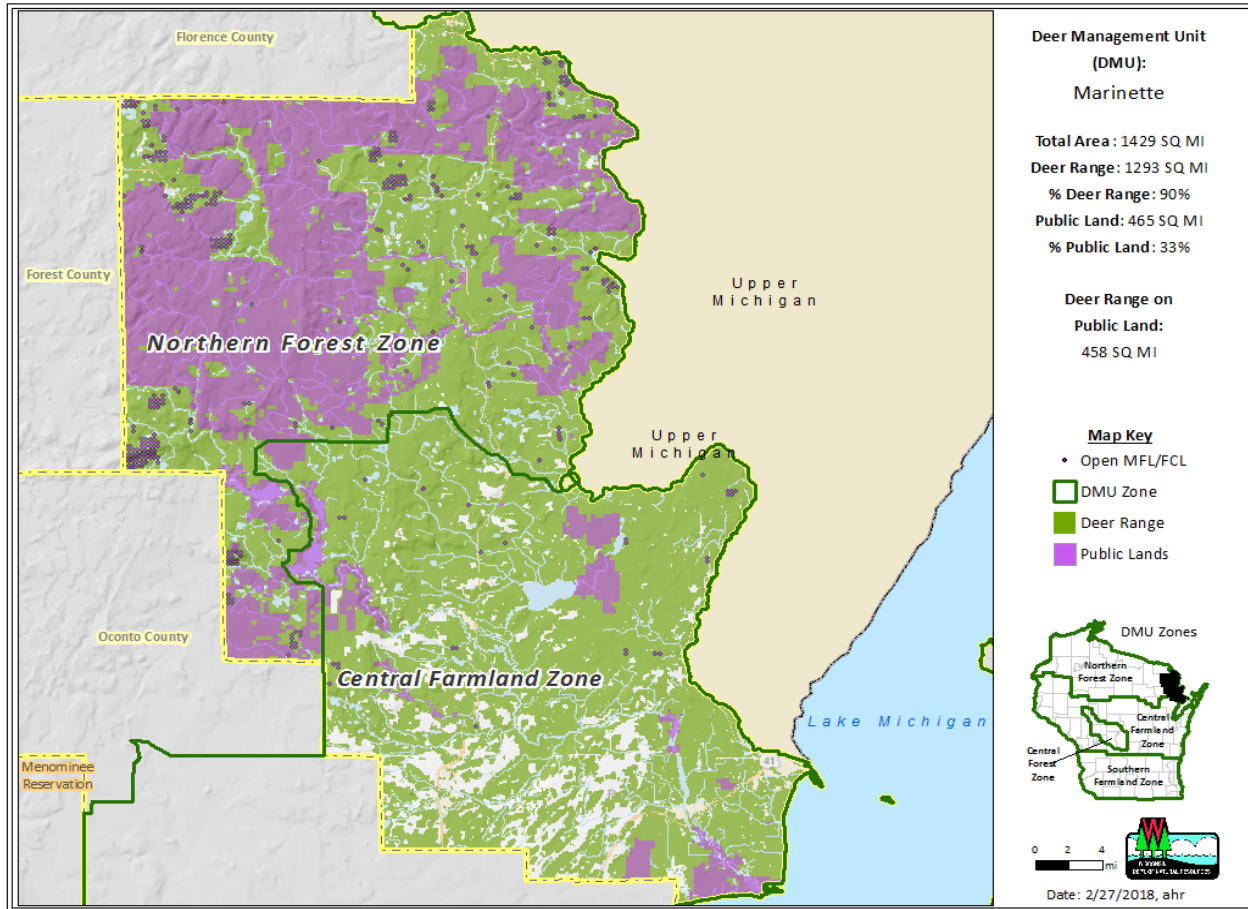


Marinette County Deer Metrics Report

Spring of 2024

Management Unit:



Manager's Note:

The Marinette County Deer Management Unit is divided between the Northern Forest Zone (about 54% of the county) and the Central Farmland Zone (about 46% of the county), with the dividing line between the two zones following Parkway Road, County Highway C, State Highway 141, and State Highway 180 to the oxbow of the Menominee River. Approximately 90% of Marinette County is considered suitable deer range. In the Northern Forest Zone of the unit, habitat quality is considered good although it varies depending on forest type. Public hunting opportunities are abundant with 54.2% (417.5 square miles) of the Northern Forest Zone open to public use. Public hunting occurs on state, county, and industrial forest properties, as well as on open Managed Forest Law (MFL) enrolled lands. Public lands include the Marinette County Forest (majority of public land), Menominee River State Recreation Area, Pike Wild River, Dunbar Barrens State Natural Area, Miscauno Wildlife Area, Town Corner Wildlife Area, Amberg Wildlife Area, Big Eagle Creek Fishery Area, Peshtigo River State Forest, and Governor Thompson State Park. Moderate to heavy hunting pressure occurs within the Northern Forest Zone. In the Central Farmland Zone of Marinette County, the mix of woodlands and agriculture produces good quality deer habitat that supports good herd productivity. Though a majority (92.6%) of the land is privately-owned, several state and county lands are open to the public, including southern portions of Marinette County Forest, Lake Noquebay Wildlife Area, Peshtigo River State Forest, Peshtigo Harbor Unit of Green Bay West Shore Wildlife Area, and various Fishery Areas (Wausaukee River, North Branch Beaver Creek, Middle Inlet, and Montana Lake). Deer population numbers within the Central Farmland Zone have been increasing for several years, resulting in significant agricultural damage. The current deer management objectives for the Marinette County Deer Management Unit are to increase the population in the Northern Forest Zone and decrease the population in the Central Farmland Zone.

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): 659.60

Deer Range of Unit (Sq. Miles): 546.30

Northern Forest Management Zone

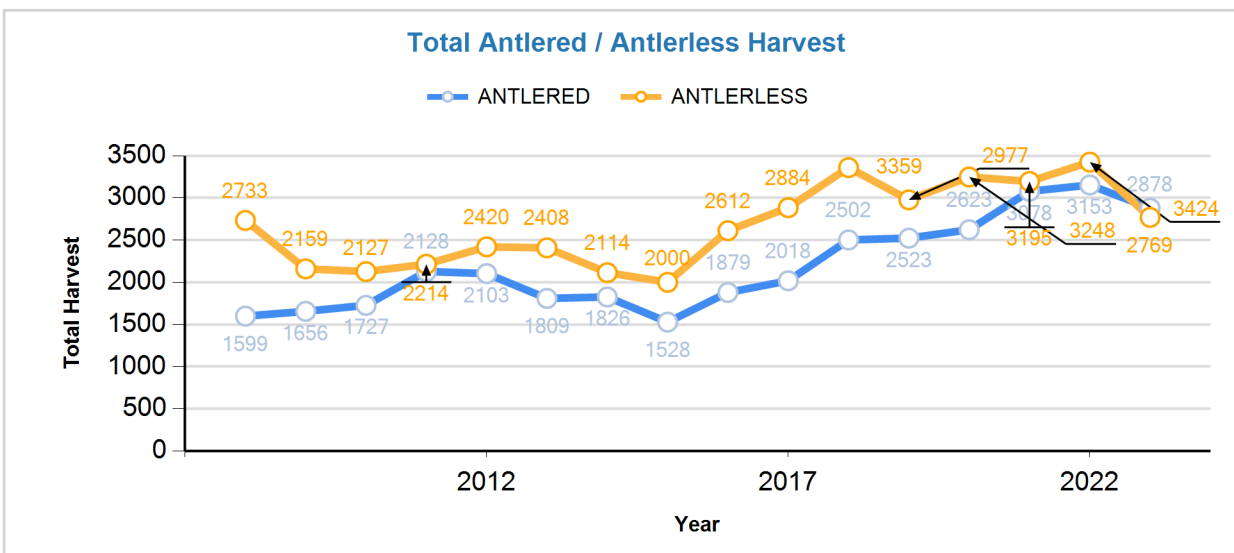
Total Area of Unit (Sq. Miles): 769.70

Deer Range of Unit (Sq. Miles): 746.40

Total Harvest for Marinette County - Central Farmland Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1826	1528	1879	2018	2502	2523	2623	3078	3153	2878
Antlerless	2131	2000	2612	2884	3359	2977	3248	3195	3424	2769
Total	3957	3528	4491	4902	5861	5500	5871	6273	6577	5647
Gun										
Antlered	1386	1074	1322	1412	1965	1715	1671	2102	2270	2046
Antlerless	1606	1400	1819	1993	2543	2093	2304	2229	2377	2051
Total	2992	2474	3141	3405	4508	3808	3975	4331	4647	4097
Bow										
Antlered	228	214	228	204	179	282	306	279	232	222
Antlerless	296	320	345	333	298	291	307	297	302	220
Total	524	534	573	537	477	573	613	576	534	442
Crossbow										
Antlered	212	240	329	402	358	526	646	697	651	610
Antlerless	229	280	448	558	518	593	637	669	745	498
Total	441	520	777	960	876	1119	1283	1366	1396	1108
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	133	103	118	121	140	112	117	107

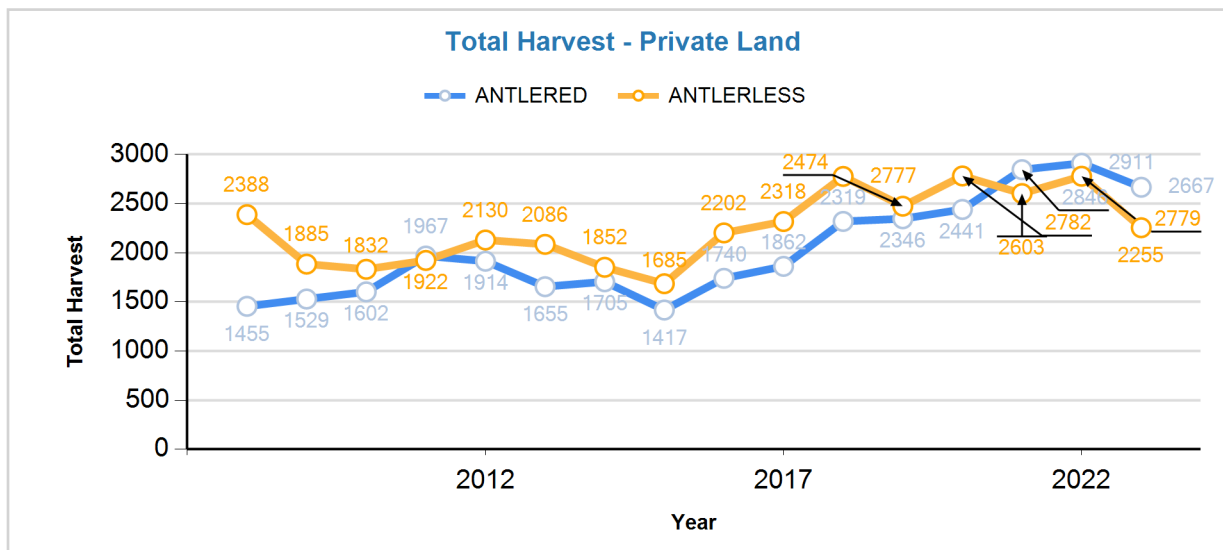
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1705	1417	1740	1862	2319	2346	2441	2846	2911	2667
Antlerless	1866	1685	2202	2318	2777	2474	2782	2603	2779	2255
Total	3571	3102	3942	4180	5096	4820	5223	5449	5690	4922
Gun										
Antlered	1303	1011	1238	1323	1835	1616	1576	1951	2116	1891
Antlerless	1433	1212	1585	1656	2143	1795	2023	1881	1991	1695
Total	2736	2223	2823	2979	3978	3411	3599	3832	4107	3586
Bow										
Antlered	211	190	205	182	164	249	273	249	200	207
Antlerless	246	242	283	251	239	226	247	211	230	171
Total	457	432	488	433	403	475	520	460	430	378
Crossbow										
Antlered	191	216	297	357	320	481	592	646	595	569
Antlerless	187	231	334	411	395	453	512	511	558	389
Total	378	447	631	768	715	934	1104	1157	1153	958
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	117	89	107	110	130	98	104	98

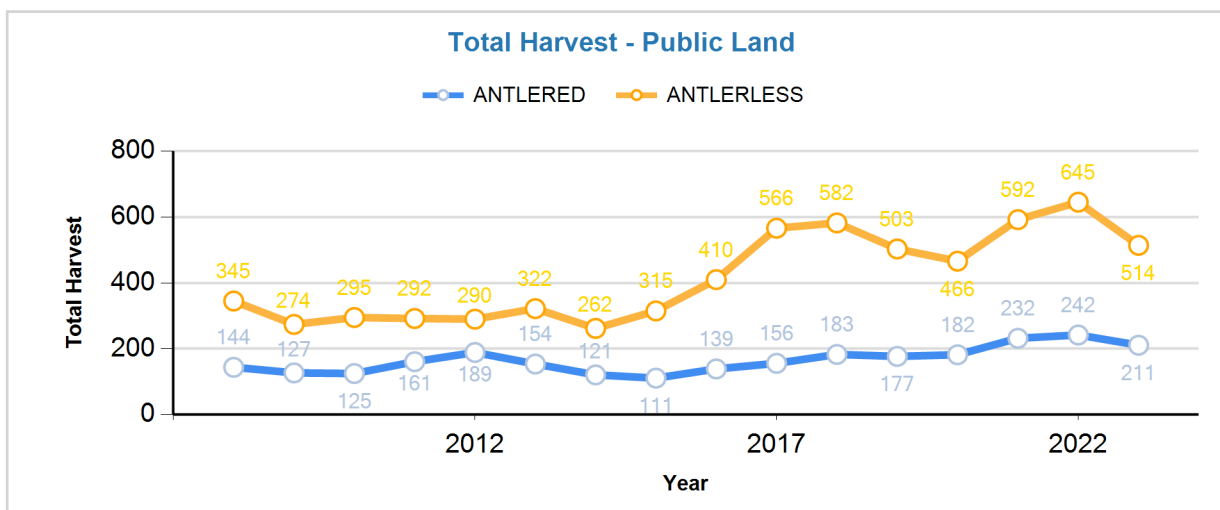
* Tribal and Youth Antlerless data are included in above totals where they apply



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

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	121	111	139	156	183	177	182	232	242	211
Antlerless	265	315	410	566	582	503	466	592	645	514
Total	386	426	549	722	765	680	648	824	887	725
Gun										
Antlered	83	63	84	89	130	99	95	151	154	155
Antlerless	173	188	234	337	400	298	281	348	386	356
Total	256	251	318	426	530	397	376	499	540	511
Bow										
Antlered	17	24	23	22	15	33	33	30	32	15
Antlerless	50	78	62	82	59	65	60	86	72	49
Total	67	102	85	104	74	98	93	116	104	64
Crossbow										
Antlered	21	24	32	45	38	45	54	51	56	41
Antlerless	42	49	114	147	123	140	125	158	187	109
Total	63	73	146	192	161	185	179	209	243	150
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	16	14	11	11	10	14	13	9

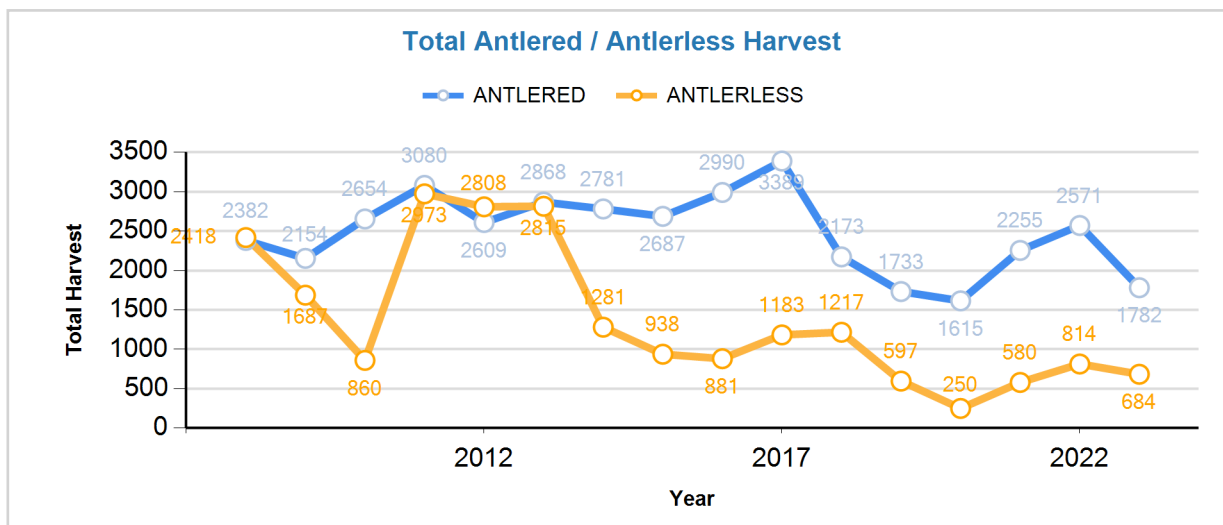
* Tribal and Youth Antlerless data are included in above totals where they apply



Total Harvest for Marinette County - Northern Forest Management Zone

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	2781	2687	2990	3389	2173	1733	1615	2255	2571	1782
Antlerless	1293	938	881	1183	1217	597	250	580	814	684
Total	4074	3625	3871	4572	3390	2330	1865	2835	3385	2466
Gun										
Antlered	2027	1915	2047	2325	1632	1092	1004	1438	1827	1255
Antlerless	1042	730	641	871	939	448	216	421	625	512
Total	3069	2645	2688	3196	2571	1540	1220	1859	2452	1767
Bow										
Antlered	384	353	363	342	166	172	144	189	141	119
Antlerless	108	98	76	101	97	41	11	40	43	52
Total	492	451	439	443	263	213	155	229	184	171
Crossbow										
Antlered	369	417	579	721	374	468	467	628	602	408
Antlerless	138	105	151	193	177	106	23	119	143	119
Total	507	522	730	914	551	574	490	747	745	527
Tribal*										
Antlered	1	2	1	1	1	1	0	0	1	0
Antlerless	5	5	13	18	4	2	0	0	3	1
Total	6	7	14	19	5	3	0	0	4	1
Youth Antlerless*										
Antlerless	0	0	440	442	241	194	182	224	252	145

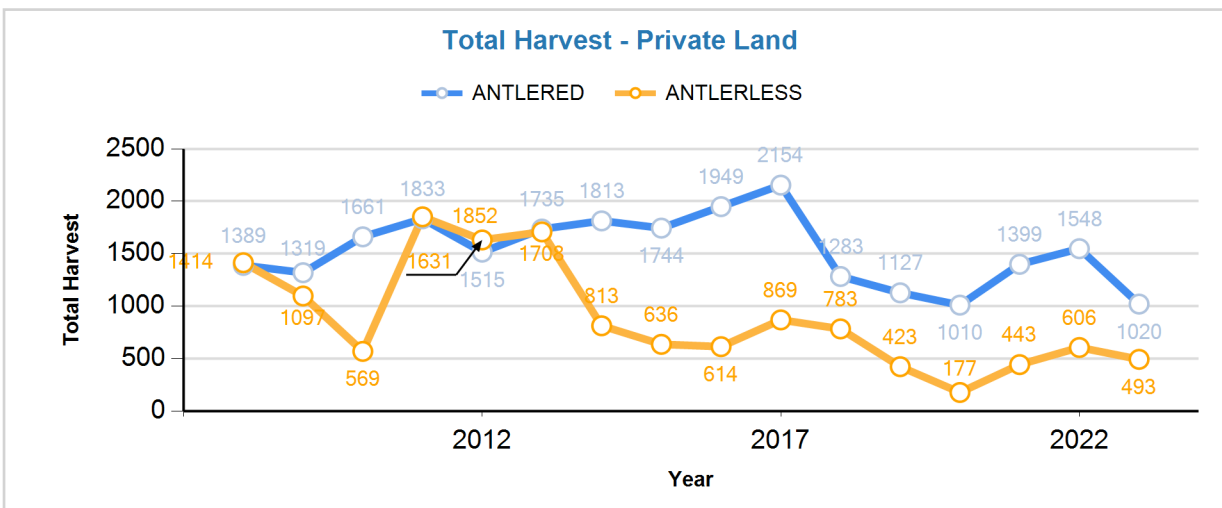
* Tribal and Youth Antlerless data are included in above totals where they apply



Total Harvest for Marinette County - Northern Forest Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	1813	1744	1949	2154	1283	1127	1010	1399	1548	1020
Antlerless	817	636	614	869	783	423	177	443	606	493
Total	2630	2380	2563	3023	2066	1550	1187	1842	2154	1513
Gun										
Antlered	1328	1252	1299	1425	918	668	588	837	1046	686
Antlerless	643	490	446	635	581	302	151	310	449	355
Total	1971	1742	1745	2060	1499	970	739	1147	1495	1041
Bow										
Antlered	240	214	240	216	105	100	91	115	80	69
Antlerless	73	69	56	80	69	35	9	35	38	42
Total	313	283	296	296	174	135	100	150	118	111
Crossbow										
Antlered	245	278	410	513	260	359	331	447	422	265
Antlerless	101	77	112	154	133	86	17	98	119	96
Total	346	355	522	667	393	445	348	545	541	361
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	280	286	146	128	119	138	156	95

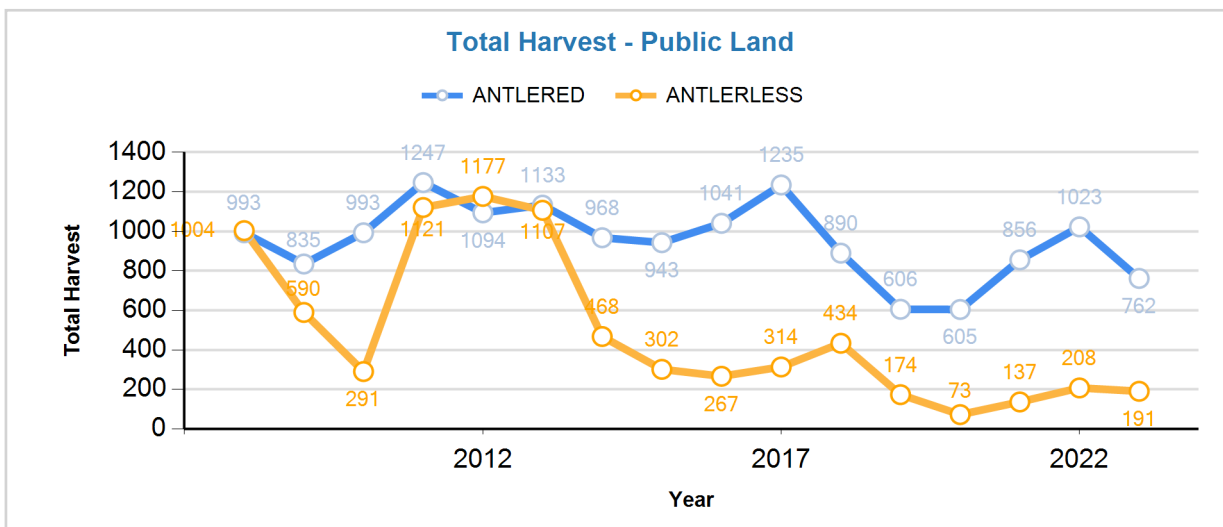
* Tribal and Youth Antlerless data are included in above totals where they apply



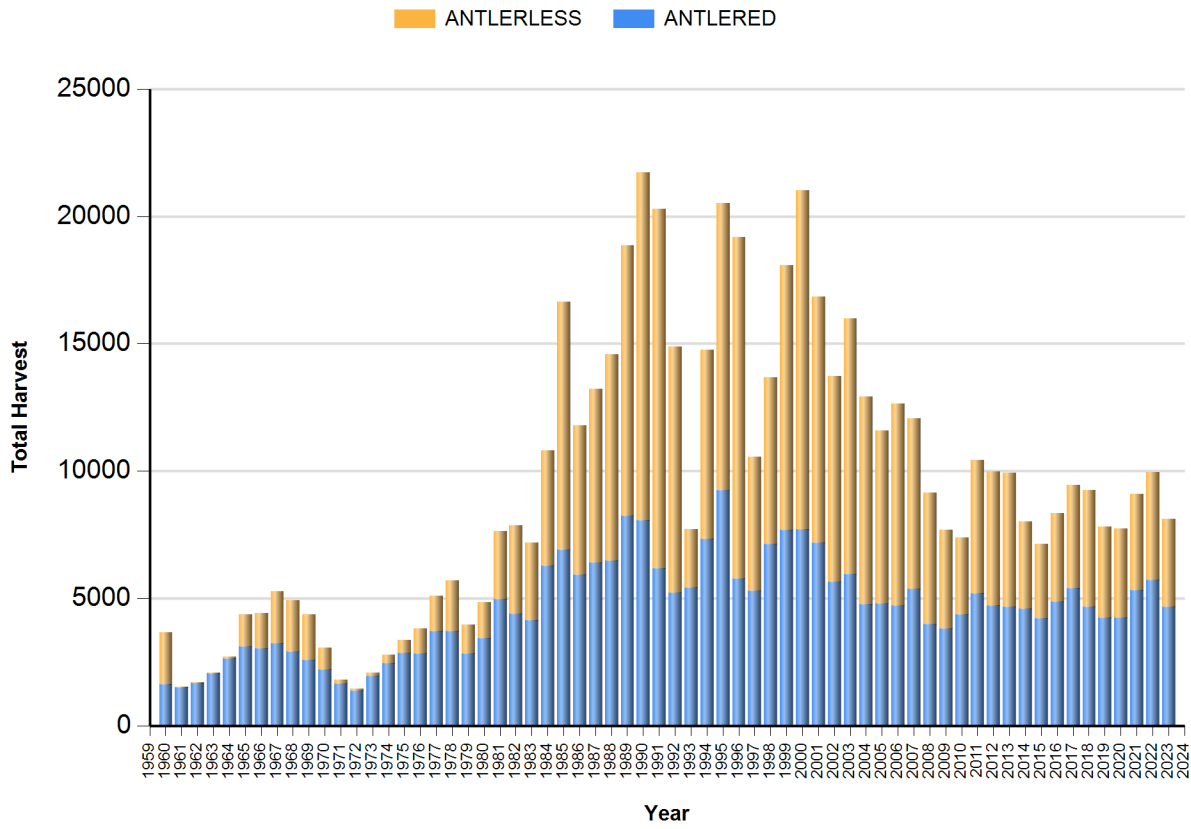
Total Harvest for Marinette County - Northern Forest Management Zone - Public Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Total Harvest										
Antlered	968	943	1041	1235	890	606	605	856	1023	762
Antlerless	476	302	267	314	434	174	73	137	208	191
Total	1444	1245	1308	1549	1324	780	678	993	1231	953
Gun										
Antlered	699	663	748	900	714	424	416	601	781	569
Antlerless	399	240	195	236	358	146	65	111	176	157
Total	1098	903	943	1136	1072	570	481	712	957	726
Bow										
Antlered	144	139	123	126	61	72	53	74	61	50
Antlerless	35	29	20	21	28	6	2	5	5	10
Total	179	168	143	147	89	78	55	79	66	60
Crossbow										
Antlered	124	139	169	208	114	109	136	181	180	143
Antlerless	37	28	39	39	44	20	6	21	24	23
Total	161	167	208	247	158	129	142	202	204	166
Tribal*										
Antlered	1	2	1	1	1	1	0	0	1	0
Antlerless	5	5	13	18	4	2	0	0	3	1
Total	6	7	14	19	5	3	0	0	4	1
Youth Antlerless*										
Antlerless	0	0	160	156	95	66	63	86	96	50

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



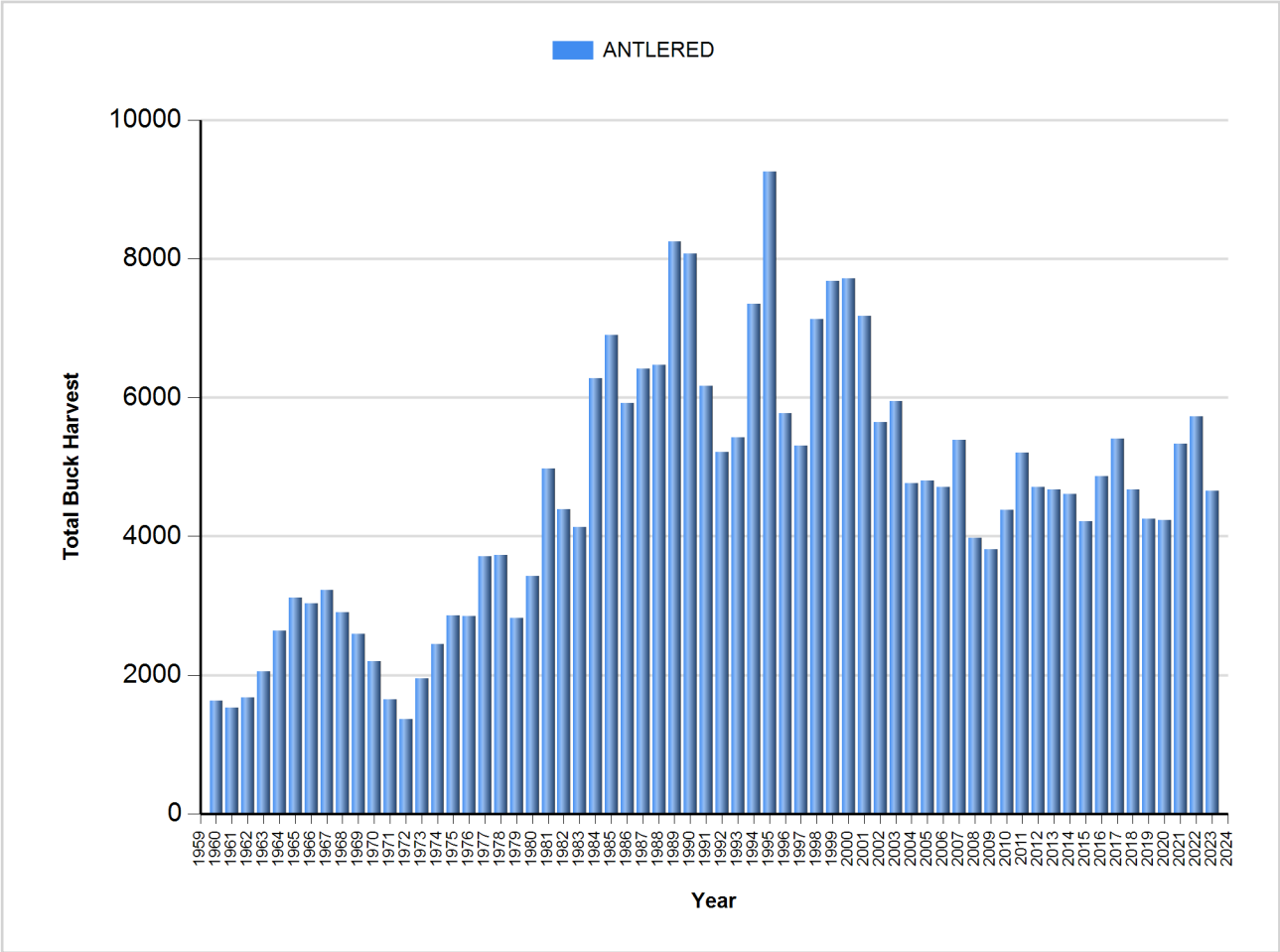
Total Deer Harvest 1960 - Present



Total Buck Harvest 1960 - Present

Historic High: 1995 - 9,256

Historic Low: 1972 - 1,366



Antlerless Tag Issuance & Success for Marinette County - Central Farmland

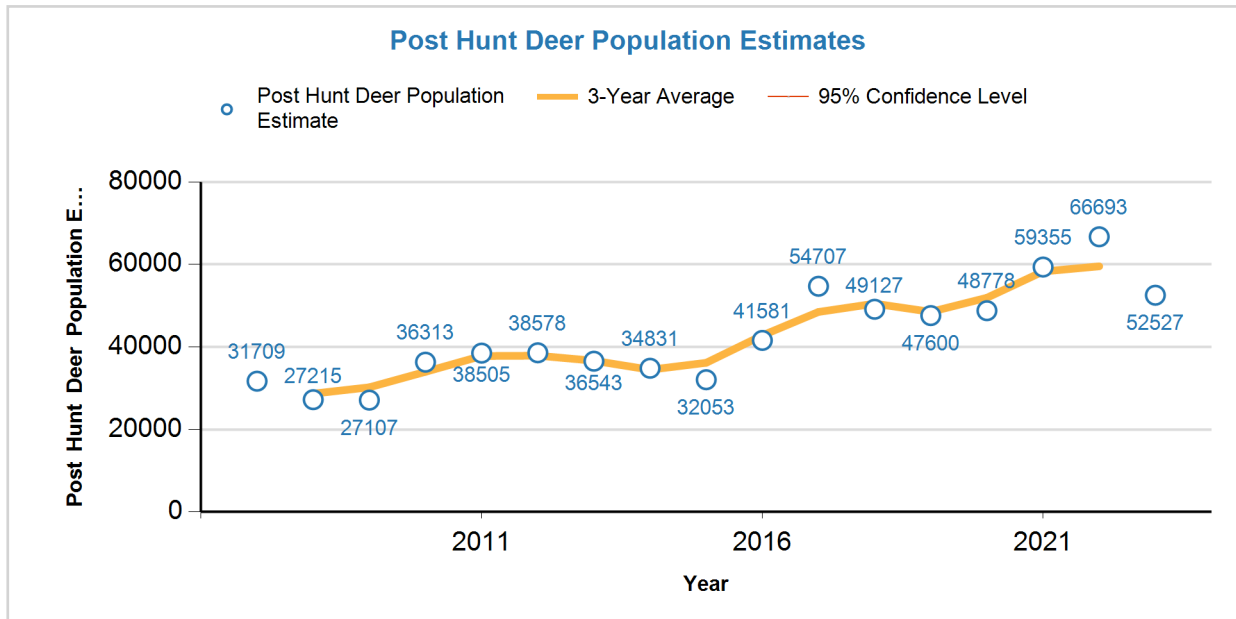
Year	2020	2021	2022	2023
Farmland - Public				
Issued	12,032	11,679	12,063	11,997
Killed	401	533	581	394
Success Rate (%)	3.3	4.6	4.8	3.3
Farmland - Private				
Issued	29,698	29,733	29,193	29,135
Killed	2,289	2,154	2,329	1,877
Success Rate (%)	7.7	7.2	8.0	6.4
Farmland - Total				
Issued	41,730	41,412	41,256	41,132
Killed	2,690	2,687	2,910	2,271
Success Rate (%)	6.4	6.5	7.1	5.5
Bonus- Public				
Available	600	500	500	300
Issued	562	500	500	300
Killed	50	39	42	26
Success Rate (%)	8.9	7.8	8.4	8.7
Bonus- Private				
Available	2,900	2,000	2,000	2,200
Issued	940	952	984	964
Killed	120	123	142	107
Success Rate (%)	12.8	12.9	14.4	11.1
Bonus- Total				
Available	3,500	2,500	2,500	2,500
Issued	1,502	1,452	1,484	1,264
Killed	170	162	184	133
Success Rate (%)	11.3	11.2	12.4	10.5

Antlerless Tag Issuance & Success for Marinette County - Northern Forest

Year	2020	2021	2022	2023
Farmland - Public				
Issued				
Killed				
Success Rate (%)				
Farmland - Private				
Issued				
Killed				
Success Rate (%)				
Farmland - Total				
Issued				
Killed				
Success Rate (%)				
Bonus- Public				
Available	0	100	300	600
Issued	0	100	300	601
Killed	0	31	92	124
Success Rate (%)		31.0	30.7	20.6
Bonus- Private				
Available	0	725	1,025	1,700
Issued	0	727	1,027	1,701
Killed	0	239	387	359
Success Rate (%)		32.9	37.7	21.1
Bonus- Total				
Available	0	825	1,325	2,300
Issued	0	827	1,327	2,302
Killed	0	270	479	483
Success Rate (%)		32.6	36.1	21.0

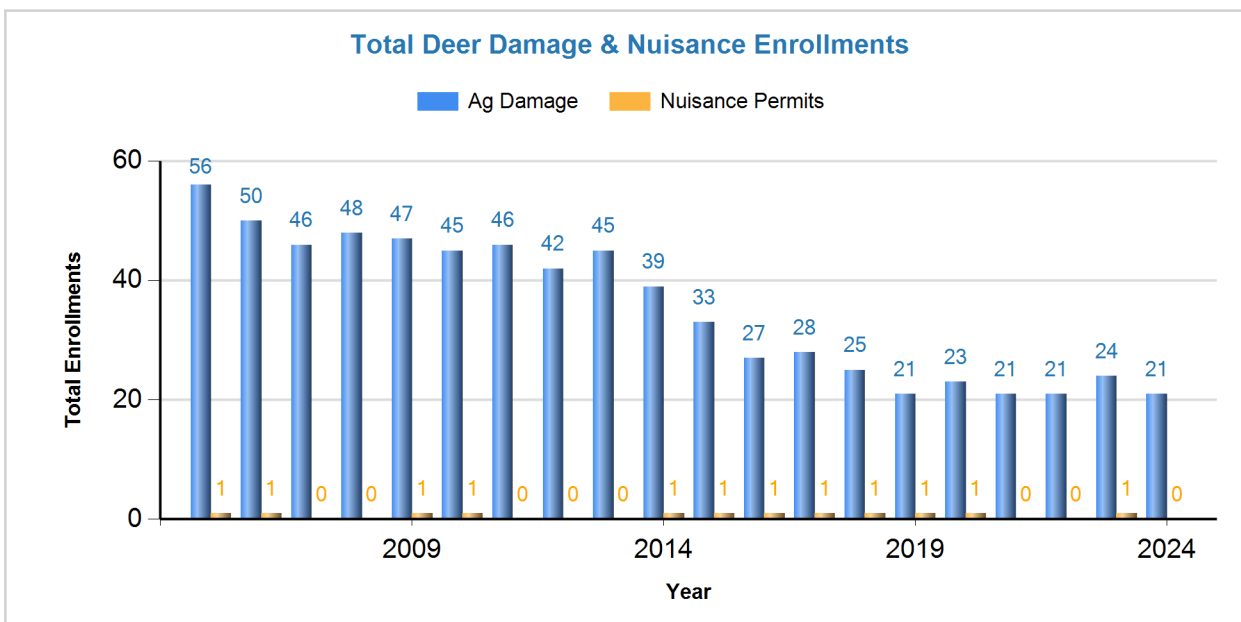
Herd Abundance

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

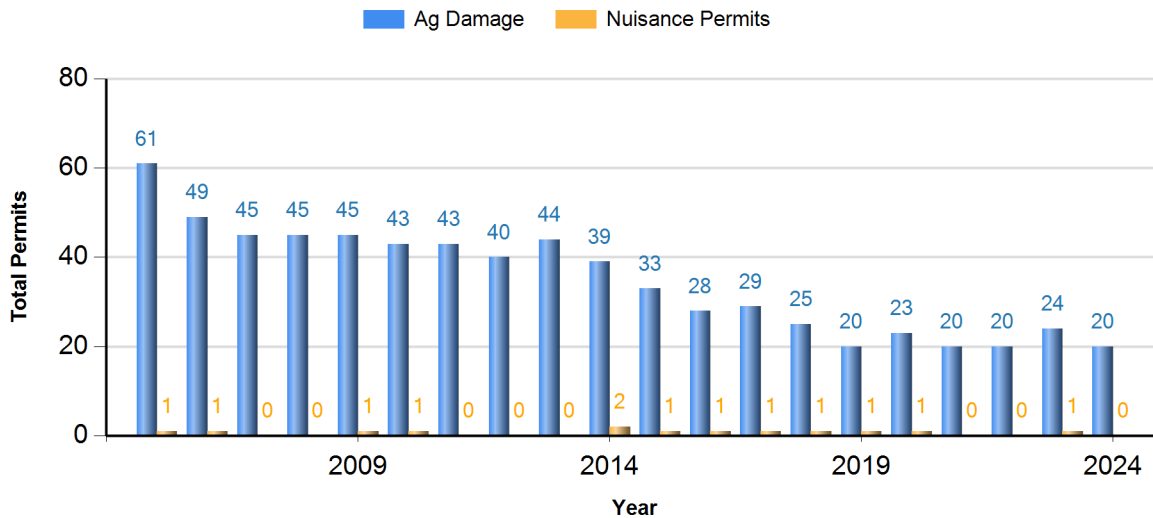


Deer Impacts – Agriculture & Nuisance Impacts

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



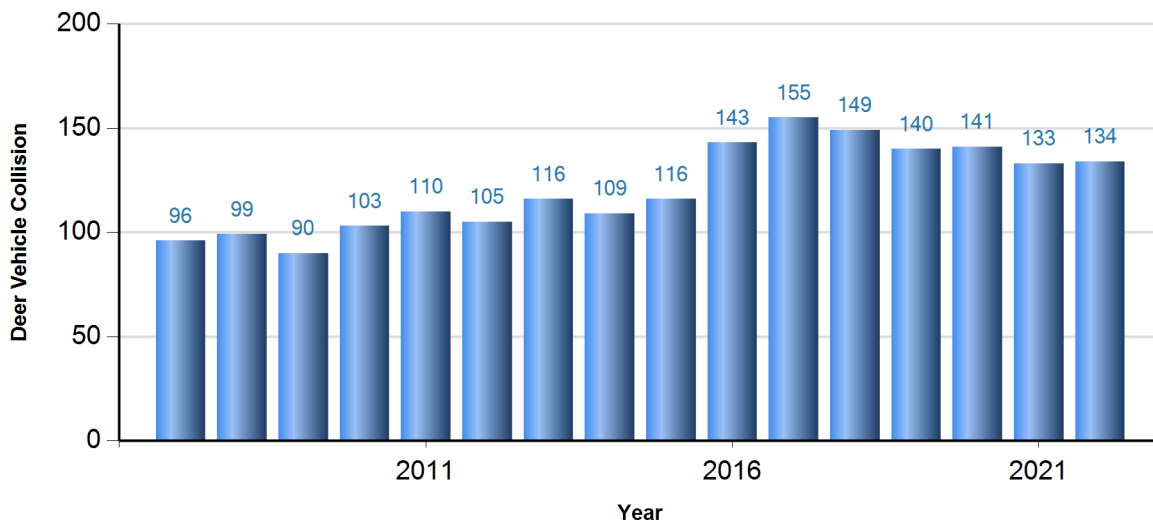
Total Deer Damage & Nuisance Shooting Permits Issued



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

