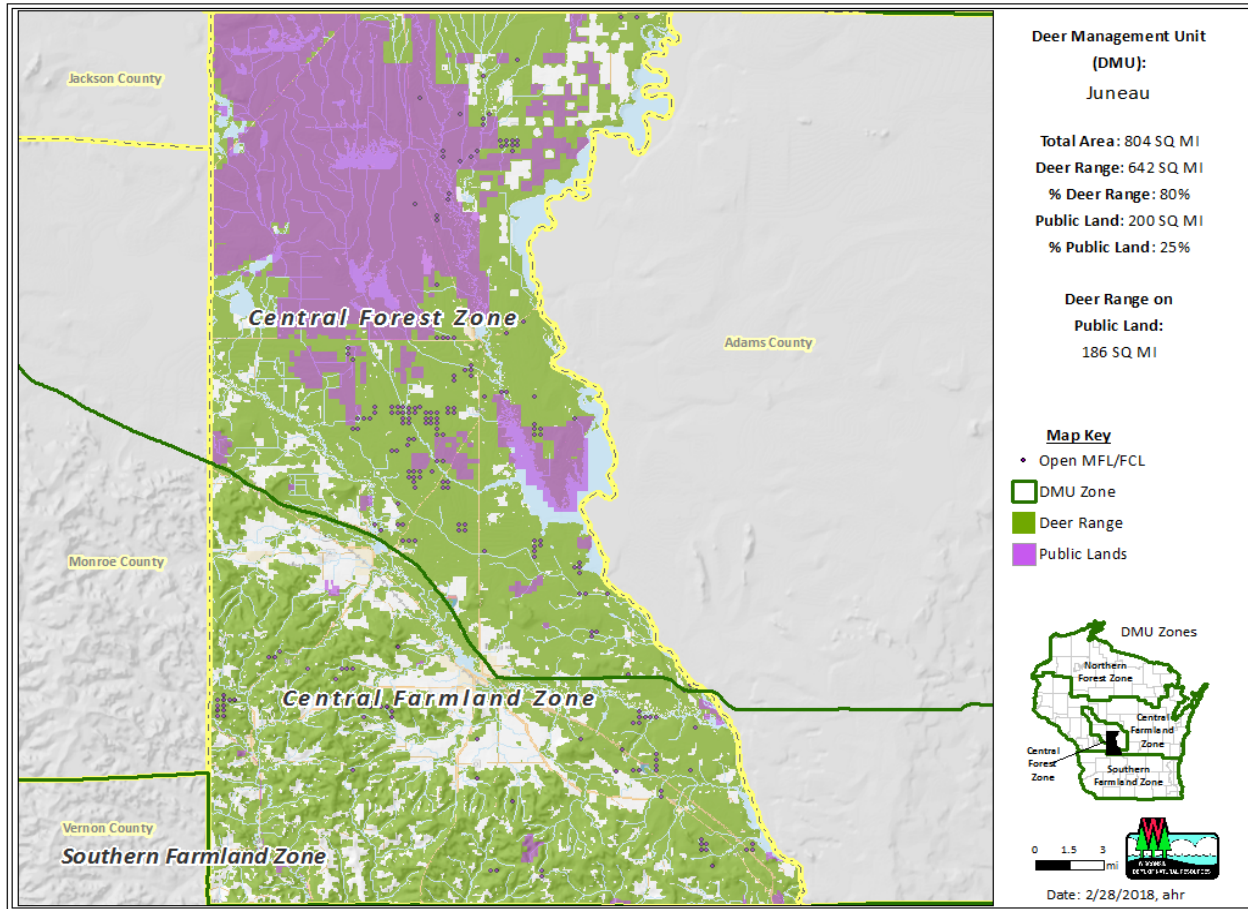


# Juneau County Deer Metrics Report

## Spring of 2024

### Management Unit:



### Manager's Note:

The Juneau County Deer Management Unit is divided between both the Central Forest Zone and Central Farmland Zone with the division being State Highway 82 from the eastern border of the unit intersecting and then following Interstate 90/94 to the western border. Approximately 74 percent of the unit is considered suitable deer range. The Central Forest Zone lies to the north and east of State Highway 82/Interstate 90/94 and the Central Farmland Zone portion lies to the south and west. The habitat quality varies greatly across both zones leading to high variability in deer distribution. The Central Forest Zone portion of the unit is characterized by large forest blocks, expansive public lands and some large irrigated fields to the eastern side. The habitat is far more productive for deer in the Central Farmland Zone portion where crop fields can be found on the hilltops with wooded valleys adjacent. Because of a good reproductive capacity, a robust deer population provides many hunting opportunities. These opportunities are mostly on private lands as only 2.8 percent of the total land area in this portion of the unit is public land. However, large amounts of public land are found in the Central Forest Zone portion including Meadow Valley Wildlife Area, Necedah National Wildlife Refuge, Buckhorn Wildlife Area, Yellow River Wildlife Area and Juneau County Forest Lands. Public land comprises 38 percent of the total area in this portion of the unit. In addition to public lands already mentioned, opportunities can be found at Buckhorn State Park, and on private lands enrolled in open Managed Forest Law and Voluntary Public Access programs. The Central Forest Zone portion is not as productive and can be influenced by severe winters. The current deer herd management objectives are to increase the population in the Central Forest Zone portion and stabilize in the Central Farmland Zone portion of the unit. Chronic Wasting Disease (CWD) has been detected in Juneau County since 2012, and continues to be an important factor in deer management in this unit.

## *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 Forest Management Zone**

Total Area of Unit (Sq. Miles): 465.50

Deer Range of Unit (Sq. Miles): 390.20

### **Central Farmland Management Zone**

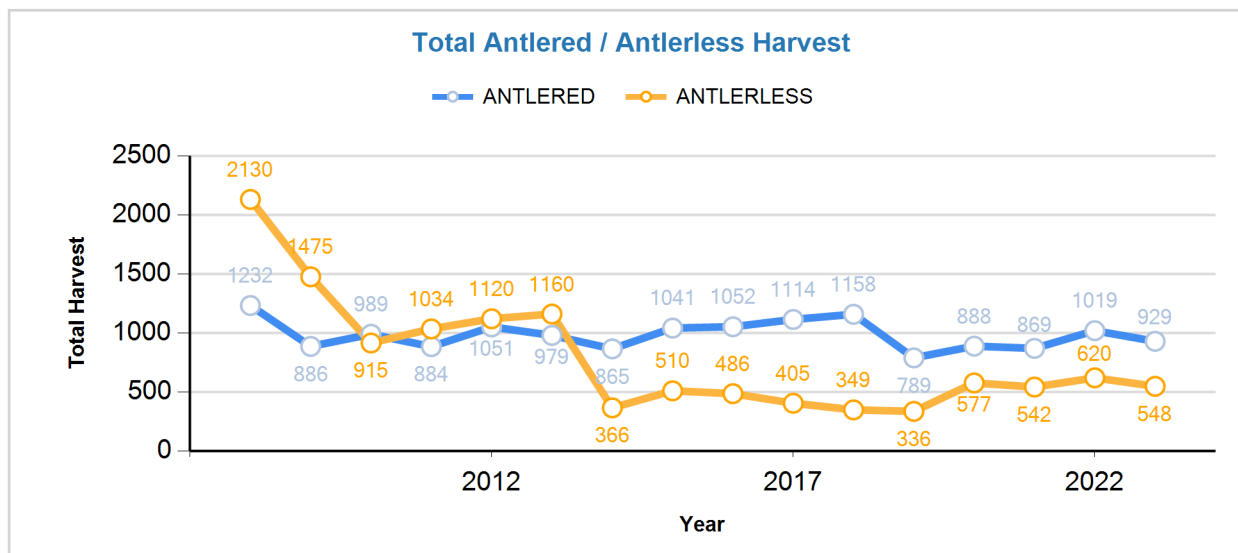
Total Area of Unit (Sq. Miles): 338.00

Deer Range of Unit (Sq. Miles): 251.60

**Total Harvest for Juneau County - Central Forest Management Zone**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	865	1041	1052	1114	1158	789	888	869	1019	929
Antlerless	371	510	486	406	349	336	577	542	620	548
Total	1236	1551	1538	1520	1507	1125	1465	1411	1639	1477
<b>Gun</b>										
Antlered	598	723	725	739	809	477	534	541	677	544
Antlerless	310	403	392	320	276	275	426	410	475	411
Total	908	1126	1117	1059	1085	752	960	951	1152	955
<b>Bow</b>										
Antlered	174	171	170	164	154	120	133	114	121	132
Antlerless	41	53	54	36	30	24	58	52	49	50
Total	215	224	224	200	184	144	191	166	170	182
<b>Crossbow</b>										
Antlered	93	147	157	211	195	192	221	214	221	253
Antlerless	20	54	40	50	43	37	93	80	96	87
Total	113	201	197	261	238	229	314	294	317	340
<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	165	124	116	119	112	85	94	79

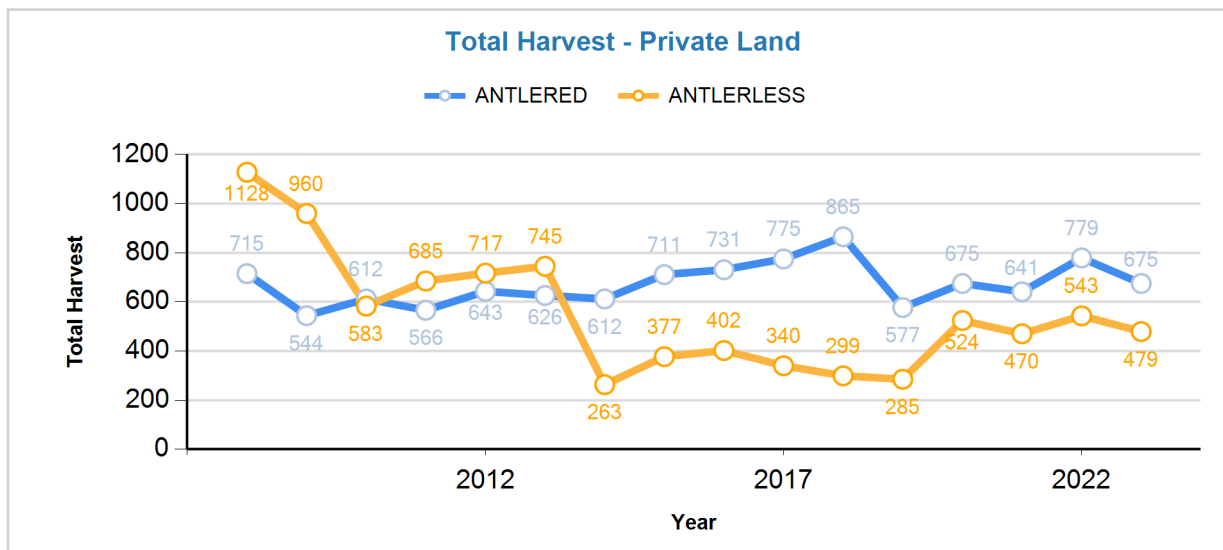
\* Tribal and Youth Antlerless data are included in above totals where they apply



**Total Harvest for Juneau County - Central Forest Management Zone - Private Land**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	612	711	731	775	865	577	675	641	779	675
Antlerless	267	377	402	340	299	285	524	470	543	479
Total	879	1088	1133	1115	1164	862	1199	1111	1322	1154
<b>Gun</b>										
Antlered	407	479	477	479	586	342	394	375	492	382
Antlerless	213	285	322	259	234	228	387	346	401	353
Total	620	764	799	738	820	570	781	721	893	735
<b>Bow</b>										
Antlered	131	118	122	119	112	84	97	83	95	87
Antlerless	35	46	46	32	25	21	53	49	47	45
Total	166	164	168	151	137	105	150	132	142	132
<b>Crossbow</b>										
Antlered	74	114	132	177	167	151	184	183	192	206
Antlerless	19	46	34	49	40	36	84	75	95	81
Total	93	160	166	226	207	187	268	258	287	287
<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	96	81	83	82	81	57	62	54

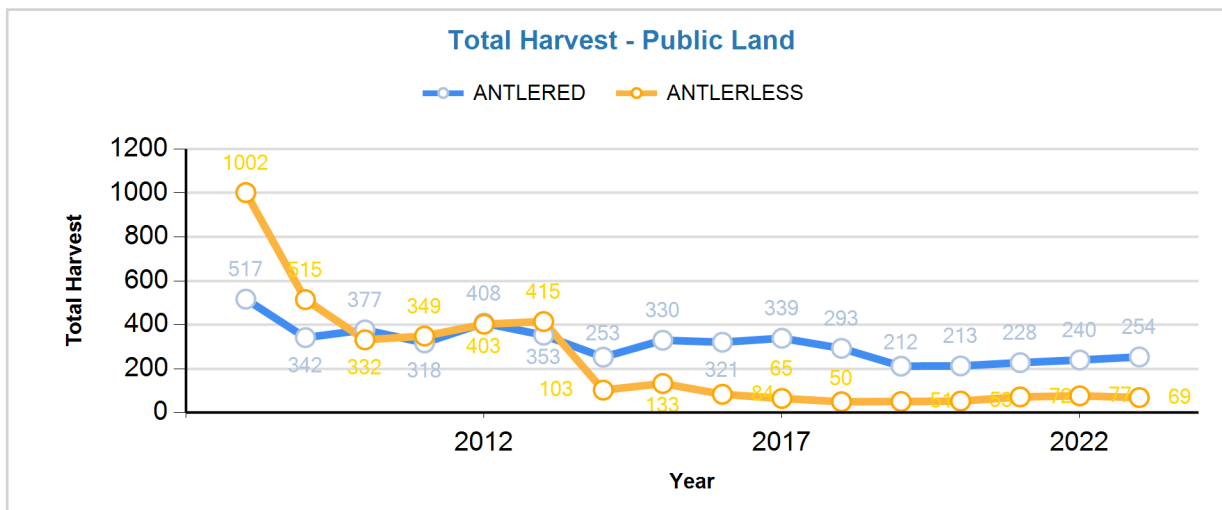
\* Tribal and Youth Antlerless data are included in above totals where they apply



**Total Harvest for Juneau County - Central Forest Management Zone - Public Land**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	253	330	321	339	293	212	213	228	240	254
Antlerless	104	133	84	66	50	51	53	72	77	69
Total	357	463	405	405	343	263	266	300	317	323
<b>Gun</b>										
Antlered	191	244	248	260	223	135	140	166	185	162
Antlerless	97	118	70	61	42	47	39	64	74	58
Total	288	362	318	321	265	182	179	230	259	220
<b>Bow</b>										
Antlered	43	53	48	45	42	36	36	31	26	45
Antlerless	6	7	8	4	5	3	5	3	2	5
Total	49	60	56	49	47	39	41	34	28	50
<b>Crossbow</b>										
Antlered	19	33	25	34	28	41	37	31	29	47
Antlerless	1	8	6	1	3	1	9	5	1	6
Total	20	41	31	35	31	42	46	36	30	53
<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	69	43	33	37	31	28	32	25

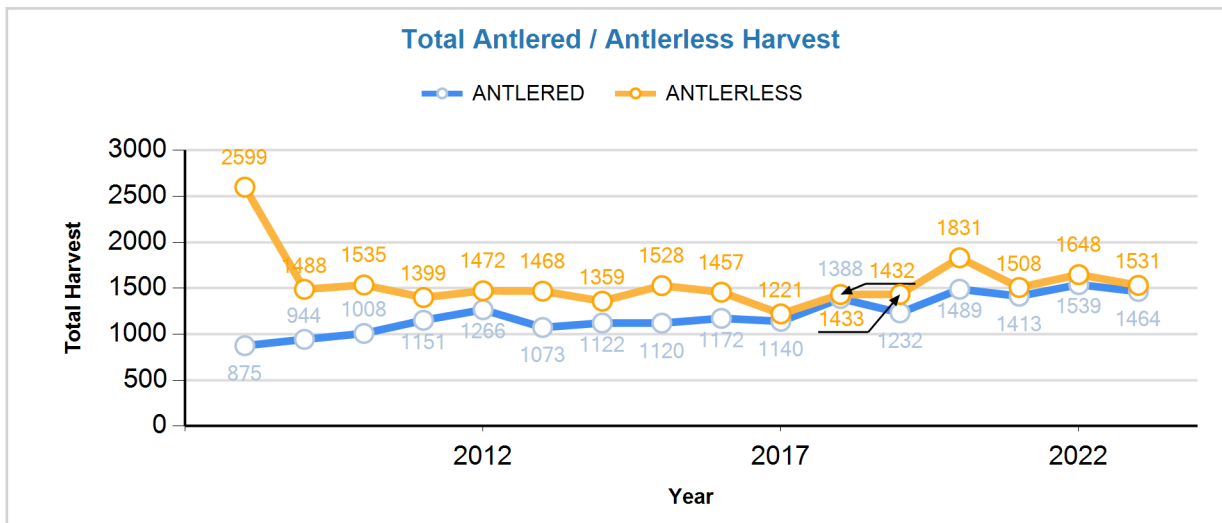
\* Tribal and Youth Antlerless data are included in above totals where they apply



**Total Harvest for Juneau County - Central Farmland Management Zone**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	1122	1120	1172	1140	1388	1232	1489	1413	1539	1464
Antlerless	1367	1528	1457	1221	1432	1433	1831	1508	1648	1531
Total	2489	2648	2629	2361	2820	2665	3320	2921	3187	2995
<b>Gun</b>										
Antlered	828	814	828	791	1058	799	997	899	1063	931
Antlerless	1086	1238	1181	980	1166	1141	1451	1193	1325	1232
Total	1914	2052	2009	1771	2224	1940	2448	2092	2388	2163
<b>Bow</b>										
Antlered	212	204	224	189	172	215	224	219	175	207
Antlerless	193	196	154	113	127	125	154	122	117	111
Total	405	400	378	302	299	340	378	341	292	318
<b>Crossbow</b>										
Antlered	82	102	120	160	158	218	268	295	301	326
Antlerless	88	94	122	128	139	167	226	193	206	188
Total	170	196	242	288	297	385	494	488	507	514
<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	82	63	83	70	83	55	64	53

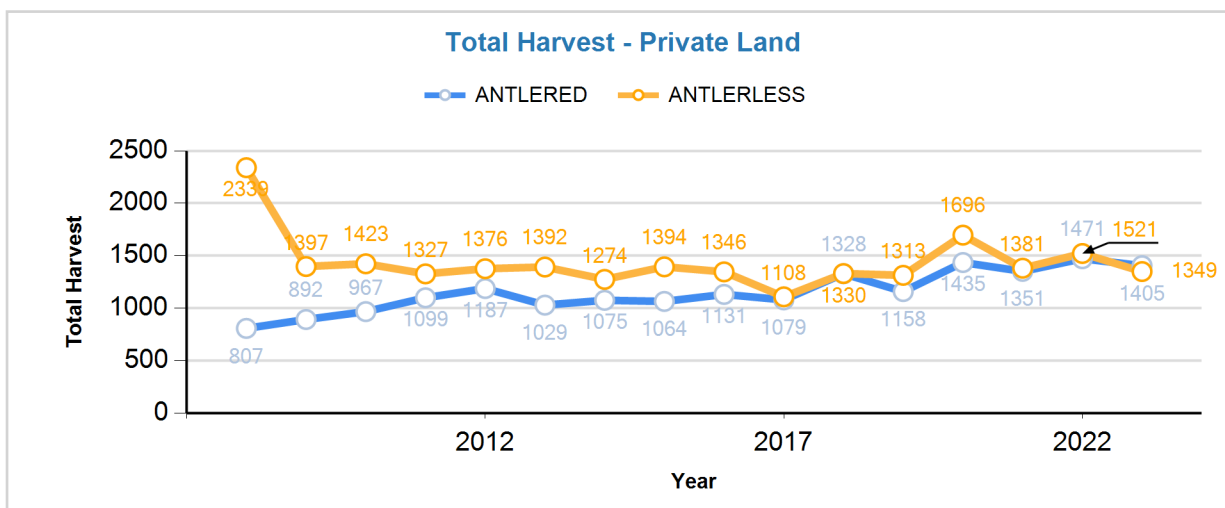
\* Tribal and Youth Antlerless data are included in above totals where they apply



## Total Harvest for Juneau County - Central Farmland Management Zone - Private Land

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	1075	1064	1131	1079	1328	1158	1435	1351	1471	1405
Antlerless	1280	1394	1346	1108	1330	1313	1696	1381	1521	1349
Total	2355	2458	2477	2187	2658	2471	3131	2732	2992	2754
<b>Gun</b>										
Antlered	798	781	801	748	1016	753	960	863	1018	893
Antlerless	1024	1137	1095	889	1084	1057	1351	1097	1221	1083
Total	1822	1918	1896	1637	2100	1810	2311	1960	2239	1976
<b>Bow</b>										
Antlered	202	190	215	178	161	196	217	206	163	201
Antlerless	176	174	139	102	121	113	139	113	109	94
Total	378	364	354	280	282	309	356	319	272	295
<b>Crossbow</b>										
Antlered	75	93	115	153	151	209	258	282	290	311
Antlerless	80	83	112	117	125	143	206	171	191	172
Total	155	176	227	270	276	352	464	453	481	483
<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	79	58	82	67	79	52	60	49

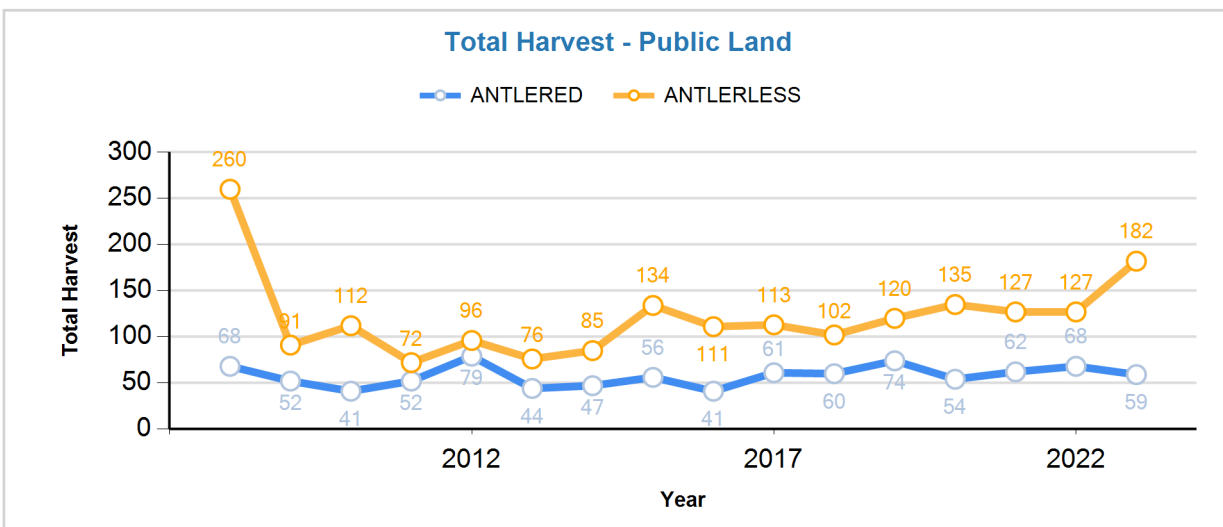
\* Tribal and Youth Antlerless data are included in above totals where they apply



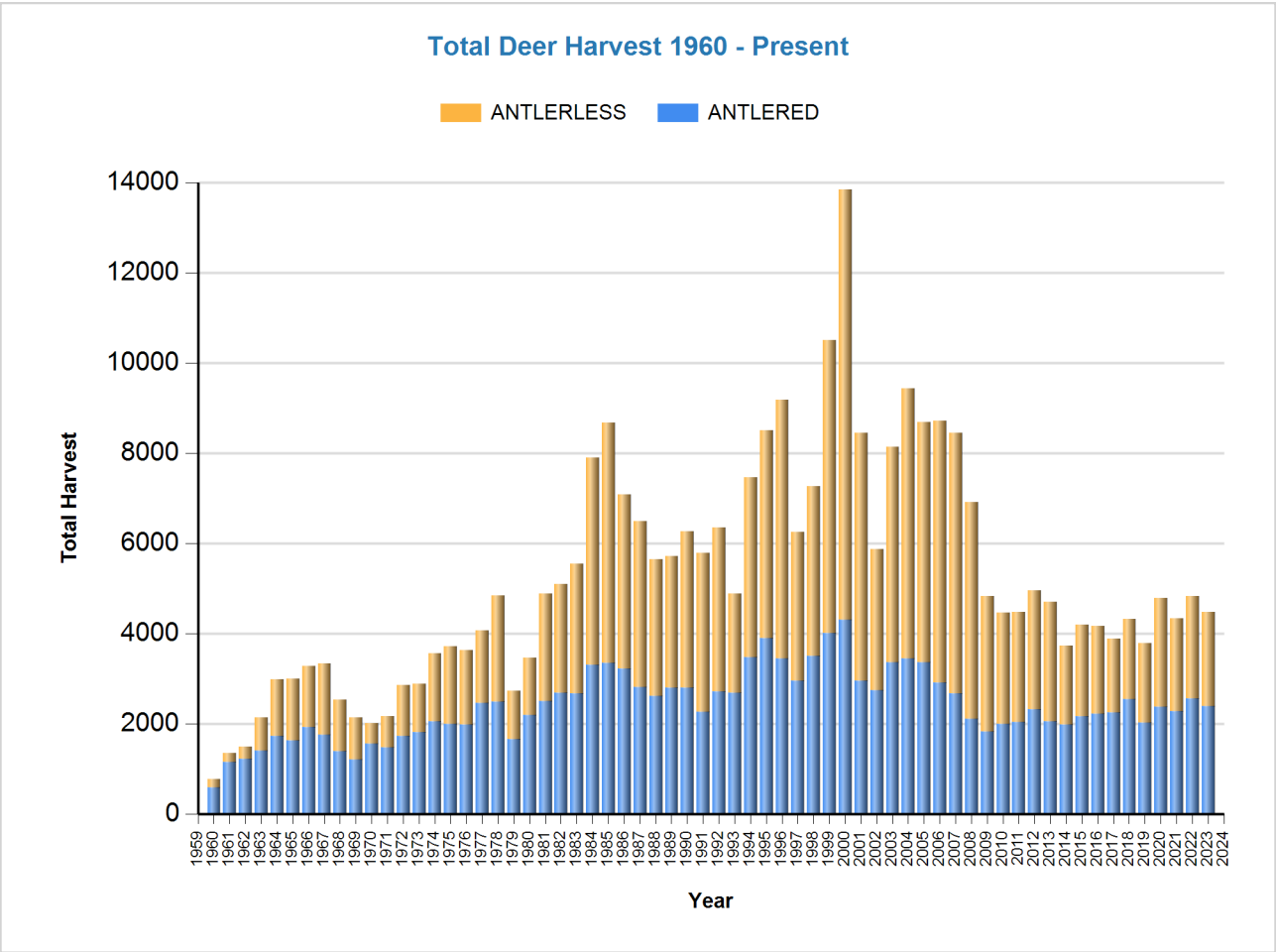
**Total Harvest for Juneau County - Central Farmland Management Zone - Public Land**

Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
<b>Total Harvest</b>										
Antlered	47	56	41	61	60	74	54	62	68	59
Antlerless	87	134	111	113	102	120	135	127	127	182
Total	134	190	152	174	162	194	189	189	195	241
<b>Gun</b>										
Antlered	30	33	27	43	42	46	37	36	45	38
Antlerless	62	101	86	91	82	84	100	96	104	149
Total	92	134	113	134	124	130	137	132	149	187
<b>Bow</b>										
Antlered	10	14	9	11	11	19	7	13	12	6
Antlerless	17	22	15	11	6	12	15	9	8	17
Total	27	36	24	22	17	31	22	22	20	23
<b>Crossbow</b>										
Antlered	7	9	5	7	7	9	10	13	11	15
Antlerless	8	11	10	11	14	24	20	22	15	16
Total	15	20	15	18	21	33	30	35	26	31
<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	3	5	1	3	4	3	4	4

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



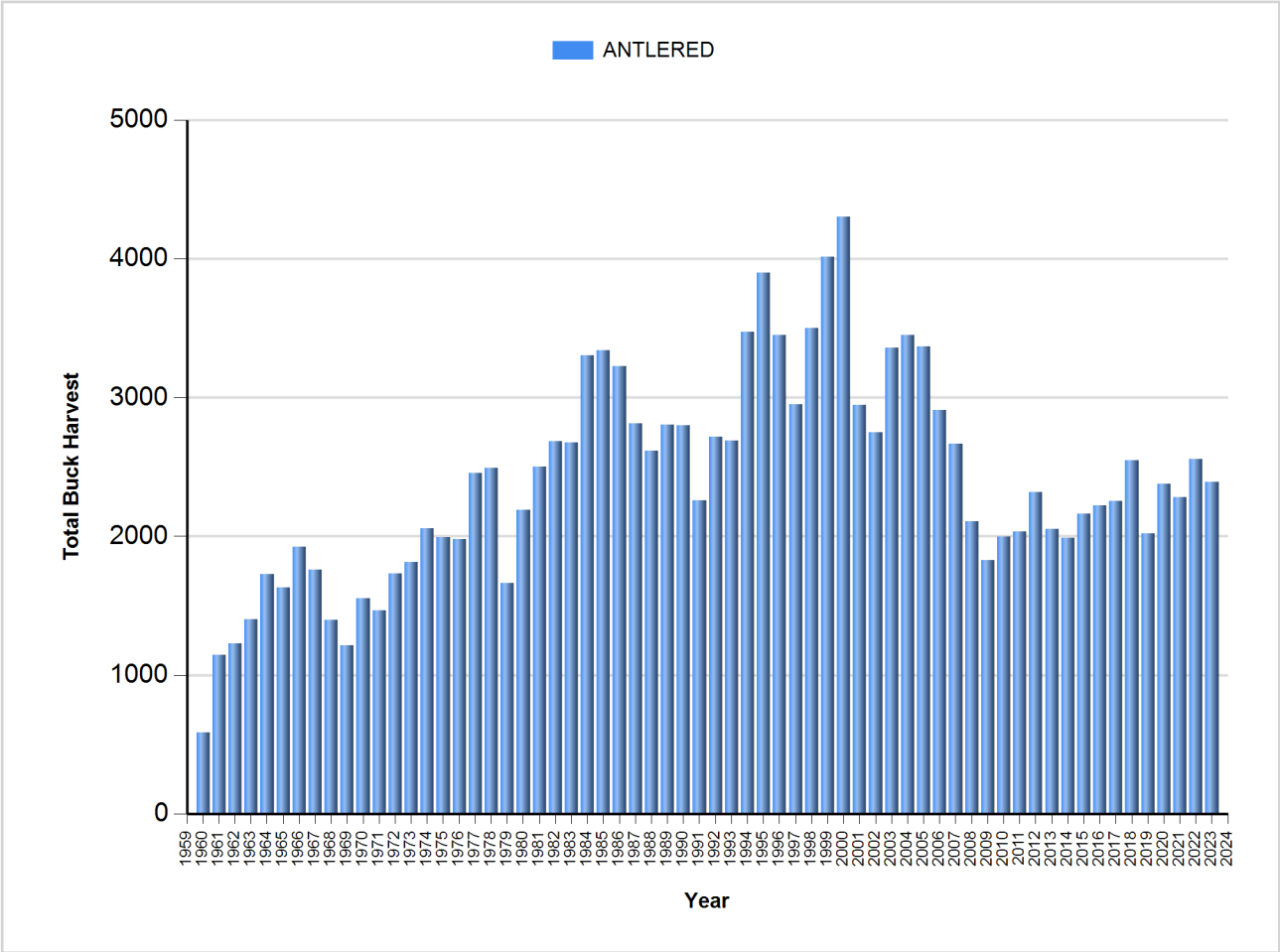




Total Buck Harvest 1960 - Present

Historic High: 2000 - 4,304

Historic Low: 1960 - 585



**Antlerless Tag Issuance & Success for Juneau County - Central Forest**

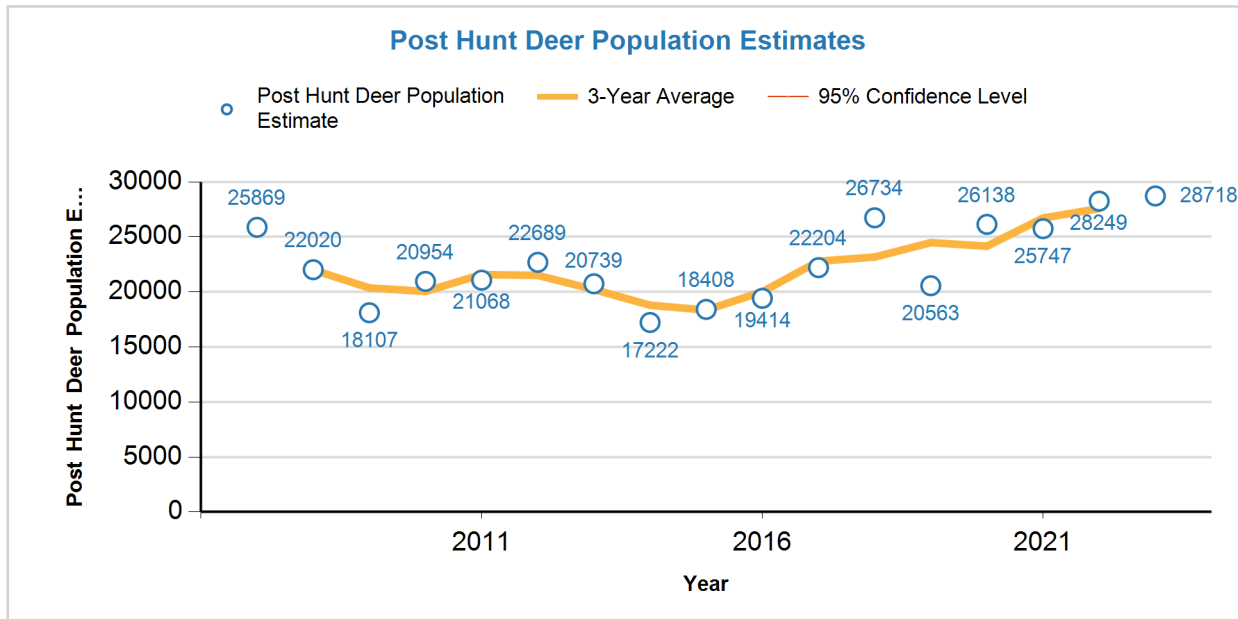
Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued				
Killed				
Success Rate (%)				
<b>Farmland - Private</b>				
Issued				
Killed				
Success Rate (%)				
<b>Farmland - Total</b>				
Issued				
Killed				
Success Rate (%)				
<b>Bonus- Public</b>				
Available	100	200	200	200
Issued	100	200	200	199
Killed	18	44	41	40
Success Rate (%)	18.0	22.0	20.5	20.1
<b>Bonus- Private</b>				
Available	1,900	1,925	1,925	2,000
Issued	1,901	1,927	1,926	2,001
Killed	416	384	435	391
Success Rate (%)	21.9	19.9	22.6	19.5
<b>Bonus- Total</b>				
Available	2,000	2,125	2,125	2,200
Issued	2,001	2,127	2,126	2,200
Killed	434	428	476	431
Success Rate (%)	21.7	20.1	22.4	19.6

**Antlerless Tag Issuance & Success for Juneau County - Central Farmland**

Year	2020	2021	2022	2023
<b>Farmland - Public</b>				
Issued	3,808	3,434	3,438	3,402
Killed	124	111	110	99
Success Rate (%)	3.3	3.2	3.2	2.9
<b>Farmland - Private</b>				
Issued	16,684	16,062	15,774	16,044
Killed	1,438	1,191	1,286	1,215
Success Rate (%)	8.6	7.4	8.2	7.6
<b>Farmland - Total</b>				
Issued	20,492	19,496	19,212	19,446
Killed	1,562	1,302	1,396	1,314
Success Rate (%)	7.6	6.7	7.3	6.8
<b>Bonus- Public</b>				
Available	200	200	200	200
Issued	173	154	147	156
Killed	5	11	12	10
Success Rate (%)	2.9	7.1	8.2	6.4
<b>Bonus- Private</b>				
Available	1,350	3,550	3,550	3,550
Issued	642	631	628	655
Killed	105	82	92	77
Success Rate (%)	16.4	13.0	14.6	11.8
<b>Bonus- Total</b>				
Available	1,550	3,750	3,750	3,750
Issued	815	785	775	811
Killed	110	93	104	87
Success Rate (%)	13.5	11.8	13.4	10.7

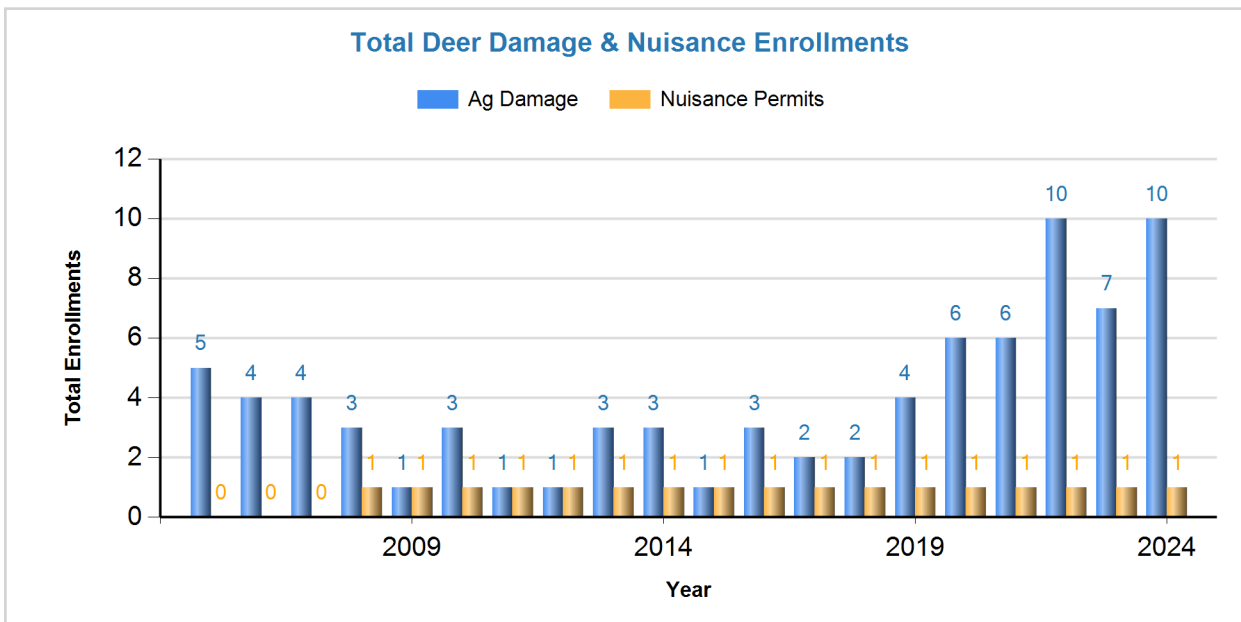
## Herd Abundance

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

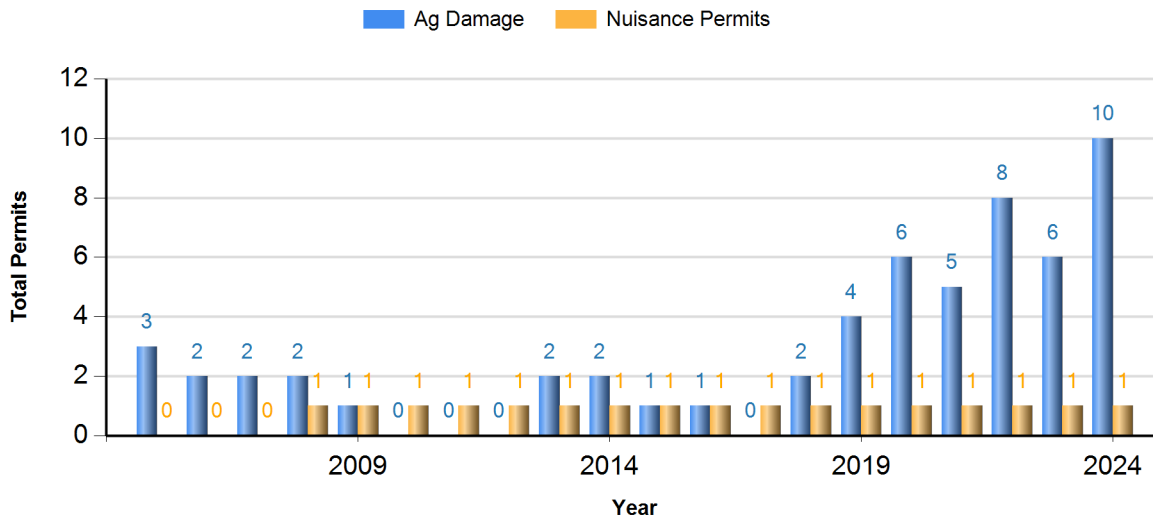


## Deer Impacts – Agriculture & Nuisance Impacts

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



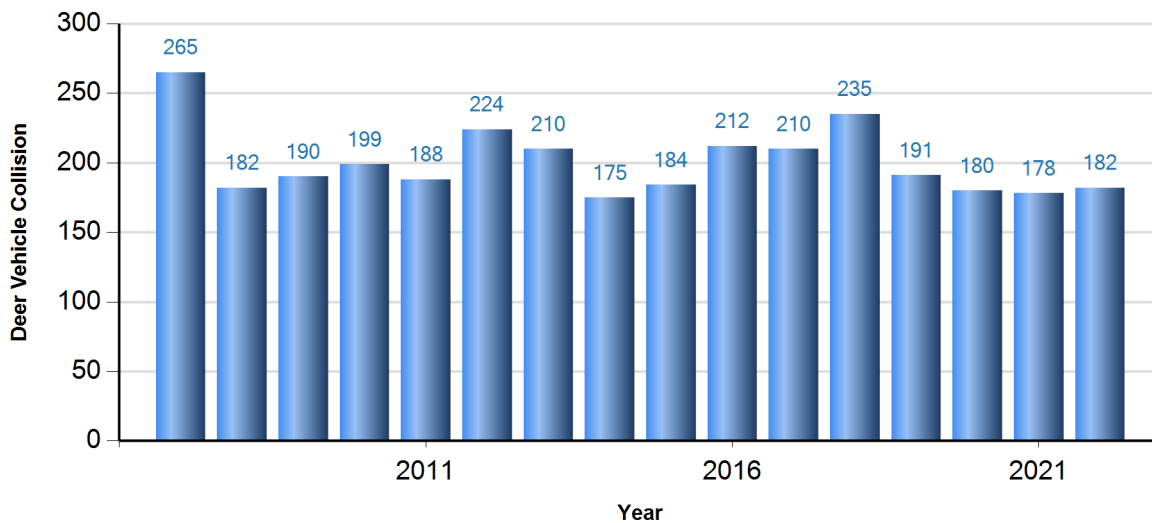
### Total Deer Damage & Nuisance Shooting Permits Issued



### 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.

