

ANNUAL HARVEST SUMMARY REPORT

DEER MANAGEMENT ASSISTANCE PROGRAM

Pascagoula River WMA

2024-2025 Season



The goal for this club/cooperator based on the most recent Annual DMAP Application completed is as follows:

A description of this goal, as well as other deer herd management goals may be found in Section 8 of the Annual DMAP Application. To view your Annual DMAP Application contact your DMAP Biologist or visit <https://xnet2.mdwfp.com/NRIS/>.

DMAP VISION

To put the landowner/cooperator in a better position to manage their lands for a healthy deer herd, while maintaining habitat integrity.



DMAP REPORT

For more information, visit our website
www.mdwfp.com/dmap



DMAP Harvest Summary

Date: 09/02/2025

*** Pascagoula River WMA ***

Club ID: 7020

Season: 2024	Acres: 37415
Location: George County, MS	Years on DMAP: 34
Soil Region: Lower Coastal Plain	Biologist: Blake Stefano
	% Data Collected: 89

Table 1. Harvest Summary

	Number Harvested	Acres Per Deer Harvested
Bucks	59	634
Does	3	12472
Totals	62	603

Table 2. Harvest History

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	RG 2023	Club Avg
Acres	37415	37415	37415	37415	37415	37415	37415	37415	37415	37415	237285	37415
Total Deer	62	35	26	30	23	26	43	43	94	72	922	45
Buck	59	29	21	28	23	19	40	40	62	41	457	36
Doe	3	6	5	2	N/A	7	3	3	32	31	465	9
Acres/Deer	603	1069	1439	1247	1627	1439	870	870	398	520	257	824
Acres/Buck	634	1290	1782	1336	1627	1969	935	935	603	913	519	1034
Acres/Doe	12472	6236	7483	18708	N/A	5345	12472	12472	1169	1207	510	4067

Table 3. Age Distribution

	Bucks		Does		Management Bucks		Criteria Bucks	
Age	#	%	#	%	#	%	#	%
0.5	0	0	0	0	0	0	0	0
1.5	0	0	0	0	0	0	0	0
2.5	3	6	1	33	0	0	3	6
3.5	28	54	0	0	0	0	28	54
4.5	11	21	0	0	0	0	11	21
5.5	4	8	1	33	0	0	4	8
6.5	5	10	0	0	0	0	5	10
7.5	0	0	1	33	0	0	0	0
8.5	1	2	0	0	0	0	1	2

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Table 4. Statistics for Doe Harvest

Age	Number Harvested	Avg Live Weight	Percent Lactating
0.5	0	0	0
1.5	0	0	0
2.5	1	70	0
3.5	0	0	0
4.5	0	0	0
5.5	1	100	0
6.5	0	0	0
7.5	1	75	100
8.5	0	0	0
Totals	3	82	

Table 5. Doe Harvest History

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	RG 2023	Club Avg
Total Does	3	6	5	2	0	7	6	3	31	27	443	9
Acres/Doe	12472	6236	7483	18708	N/A	5345	6236	12472	1207	1386	583	3742
% Harvest By Age												
% 0.5	0	17	0	0	0	0	17	0	13	19	5	12
% 1.5	0	0	20	0	0	14	0	33	16	4	14	10
% 2.5	33	0	20	50	0	14	33	67	32	11	11	23
% 3.5+	67	83	60	50	0	71	50	0	39	67	68	54
Average Weight												
0.5	0	75	0	0	0	0	85	0	59	48	57	58
1.5	0	0	50	0	0	49	0	40	92	75	79	75
2.5	70	0	0	63	0	50	88	85	86	90	92	83
3.5+	88	90	82	80	0	82	100	0	96	94	94	86
% Lactation												
% 1.5	0	0	0	0	0	0	0	0	0	0	3	0
% 2.5	0	0	0	0	0	0	50	50	40	0	30	30
% 2.5+	33	40	0	0	0	33	75	50	55	38	49	43
% 3.5+	50	40	0	0	0	40	100	0	67	44	52	48

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Table 6. Statistics for Yearling Bucks

	Number	Percent	Avg. Live Weight	Average Points
Spikes	0	0	0	0
Forks	0	0	0	0
Totals	0			

Table 7. Buck Statistics

	Live Weight		Points		Base		Length		Spread	
Age	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average
0.5	0	0	0	N/A	0	N/A	0	N/A	0	N/A
1.5	0	0	0	N/A	0	N/A	0	N/A	0	N/A
2.5	3	126	2	5.5	3	2.8	3	11.2	3	9.1
3.5	28	136	28	6.9	25	3.2	28	15.2	28	11.5
4.5	11	156	10	8.2	10	3.6	11	15.9	11	12.7
5.5	4	156	4	7.8	4	3.5	4	18.1	4	14.6
6.5	5	159	5	7.6	4	3.5	5	17.4	5	14.3
7.5	0	0	0	N/A	0	N/A	0	N/A	0	N/A
8.5	1	150	1	7	1	3.2	1	16.8	1	14.0

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Table 8. Buck Harvest History (All Bucks)

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	RG 2023	Club Avg
Bucks	52	29	20	28	20	19	29	40	61	39	445	34
Acres/Buck	720	1290	1871	1336	1871	1969	1290	935	613	959	581	1110
% .5 Bucks	0	0	5	0	0	0	0	0	0	0	2	0
# .5 Bucks	0	0	1	0	0	0	0	0	0	0	8	1
Avg Weight	0	0	150	0	0	0	0	0	0	0	63	150
% 1.5 Bucks	0	0	10	0	5	5	0	5	2	3	8	2
# 1.5 Bucks	0	0	2	0	1	1	0	2	1	1	35	0.8
% Spikes	0	0	100	0	0	0	0	0	0	100	51	38
Avg Weight	0	0	108	0	130	55	0	122	97	115	95	107
Avg Points	0	0	2	0	5	0	0	6.5	4	2	2	4
Avg Base	0	0	2.0	0	1.9	0	0	2.3	1.9	1.0	2.1	1.9
Avg Length	0	0	14.5	0	13.5	0	0	11.5	13.2	3.8	6.4	11.3
Avg Spread	0	0	11.8	0	9.8	0	0	10.5	11.2	0	6.4	10.8
% 2.5 Bucks	6	10	10	21	5	5	62	45	54	64	9	33
# 2.5 Bucks	3	3	2	6	1	1	18	18	33	25	39	11
Avg Weight	126	117	136	118	0	140	137	131	134	135	126	133
Avg Points	5.5	6.33	4	5.5	0	8	5.89	5.72	5.81	5.92	6	6
Avg Base	2.8	2.7	2.2	2.5	0	3.5	3.0	2.9	2.9	2.9	2.8	2.9
Avg Length	11.2	12.8	12.4	11.8	0	13.4	13.4	13.5	13.6	12.7	12.9	13.1
Avg Spread	9.1	11.5	10.7	11.2	0	12.5	11.2	10.9	10.9	10.8	10.7	10.9
% 3.5 Bucks	54	34	40	46	50	58	38	38	33	28	24	41
# 3.5 Bucks	28	10	8	13	10	11	11	15	20	11	109	13.7
Avg Weight	136	140	126	137	132	138	125	144	150	144	138	138
Avg Points	6.86	6.6	6.88	6.23	6.4	6.1	7	6.73	7.6	7.09	7	7
Avg Base	3.2	3.1	2.7	3.0	2.7	3.1	3.4	4.1	3.5	3.3	3.3	3.3
Avg Length	15.2	13.8	13.6	13.4	14.0	13.6	14.8	14.9	15.3	14.6	14.3	14.5
Avg Spread	11.5	10.6	10.8	11.0	11.1	10.9	12.0	11.8	11.9	11.1	11.5	11.4
% 4.5 + Bucks	40	55	35	32	40	32	0	12	11	5	53	24
# 4.5 + Bucks	21	16	7	9	8	6	0	5	7	2	122	8.1
Avg Weight	156	152	166	148	135	158	0	150	158	169	144	153
Avg Points	7.9	7.62	8.2	7.33	6.62	8.17	0	7	8.29	9.5	8	8
Avg Base	3.5	3.4	3.4	3.5	3.2	3.9	0	4.0	4.1	3.2	3.7	3.7
Avg Length	16.7	16.2	18.0	15.8	14.5	16.2	0	16.4	18.7	18.1	16.3	16.5
Avg Spread	13.5	13.2	14.0	12.5	11.9	13.1	0	12.8	13.8	13.2	13.0	13.1

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Table 9. Criteria Buck Harvest History

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	RG 2023	Club Avg
Bucks	52	29	20	28	20	19	29	40	61	39	432	34
Acres/Buck	720	1290	1871	1336	1871	1969	1290	935	613	959	598	1110
% .5 Bucks	0	0	5	0	0	0	0	0	0	0	2	0
# .5 Bucks	0	0	1	0	0	0	0	0	0	0	8	1
Avg Weight	0	0	150	0	0	0	0	0	0	0	63	150
% 1.5 Bucks	0	0	10	0	5	5	0	5	2	3	8	2
# 1.5 Bucks	0	0	2	0	1	1	0	2	1	1	33	0.8
% Spikes	0	0	100	0	0	0	0	0	0	100	48	38
Avg Weight	0	0	108	0	130	55	0	122	97	115	95	107
Avg Points	0	0	2	0	5	0	0	6.5	4	2	2	4
Avg Base	0	0	2.0	0	1.9	0	0	2.3	1.9	1.0	2.1	1.9
Avg Length	0	0	14.5	0	13.5	0	0	11.5	13.2	3.8	6.6	11.3
Avg Spread	0	0	11.8	0	9.8	0	0	10.5	11.2	0	6.4	10.8
% 2.5 Bucks	6	10	10	21	5	5	62	45	54	64	9	33
# 2.5 Bucks	3	3	2	6	1	1	18	18	33	25	38	11
Avg Weight	126	117	136	118	0	140	137	131	134	135	126	133
Avg Points	5.5	6.33	4	5.5	0	8	5.89	5.72	5.81	5.92	6	6
Avg Base	2.8	2.7	2.2	2.5	0	3.5	3.0	2.9	2.9	2.9	2.8	2.9
Avg Length	11.2	12.8	12.4	11.8	0	13.4	13.4	13.5	13.6	12.7	12.9	13.1
Avg Spread	9.1	11.5	10.7	11.2	0	12.5	11.2	10.9	10.9	10.8	10.7	10.9
% 3.5 Bucks	54	34	40	46	50	58	38	38	33	28	24	41
# 3.5 Bucks	28	10	8	13	10	11	11	15	20	11	105	13.7
Avg Weight	136	140	126	137	132	138	125	144	150	144	138	138
Avg Points	6.86	6.6	6.88	6.23	6.4	6.1	7	6.73	7.6	7.09	7	7
Avg Base	3.2	3.1	2.7	3.0	2.7	3.1	3.4	4.1	3.5	3.3	3.3	3.3
Avg Length	15.2	13.8	13.6	13.4	14.0	13.6	14.8	14.9	15.3	14.6	14.3	14.5
Avg Spread	11.5	10.6	10.8	11.0	11.1	10.9	12.0	11.8	11.9	11.1	11.5	11.4
% 4.5 + Bucks	40	55	35	32	40	32	0	12	11	5	54	24
# 4.5 + Bucks	21	16	7	9	8	6	0	5	7	2	118	8.1
Avg Weight	156	152	166	148	135	158	0	150	158	169	143	153
Avg Points	7.9	7.62	8.2	7.33	6.62	8.17	0	7	8.29	9.5	8	8
Avg Base	3.5	3.4	3.4	3.5	3.2	3.9	0	4.0	4.1	3.2	3.7	3.7
Avg Length	16.7	16.2	18.0	15.8	14.5	16.2	0	16.4	18.7	18.1	16.3	16.5
Avg Spread	13.5	13.2	14.0	12.5	11.9	13.1	0	12.8	13.8	13.2	13.0	13.1

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*** Pascagoula River WMA ***

Club ID: 7020

Table 10. Management Buck Harvest History

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Description of the Data and Glossary of Terms

This report is based on data MDWFP receives from DMAP clubs. The club/cooperator information in the heading, including acres under management and soil region, is based on the Annual DMAP Application. Please contact your DMAP Biologist if any of the information in the heading is incorrect. The “% Data Collected” field is the percentage of deer reported on the DMAP datasheet for which jawbones were received. Harvest totals in Tables 1 and 2 are based on deer harvest reported on the DMAP datasheet (regardless of whether a jawbone was received). All other tables are based on submitted jawbones in adequate condition to age using the tooth wear and replacement technique. For all tables including Soil Region Average data, the regional data column is labeled “RG20xx.” For all tables, Criteria Buck and Management Buck are defined below. Buck designations are made by the DMAP Biologist. If no designations are made, all bucks are classified as Criteria. If you have questions about Management and Criteria bucks, please contact your DMAP Biologist.

Soil Region Average (e.g., Regional Average or RG20xx) – the average of all deer in a specified parameter (i.e., harvest total, lactation, weight, etc.) reported for the year in question is used as an indicator of overall deer herd health by comparing club averages to other DMAP clubs in the same soil region.

Criteria Buck or perhaps a “trophy buck” – a buck deemed to have antler characteristics that satisfy the club’s goals for antler quality. This determination is generally made by the DMAP biologist in collaboration with the DMAP club and considers buck age, antler characteristics, soil region averages, and the goals of the DMAP club.

Management Buck or perhaps a “cull buck” – a harvested buck deemed to have below average antler characteristics compared to other bucks in the same age class and soil region. As with Criteria bucks, this determination is generally made by the DMAP biologist in collaboration with the DMAP club.

Lactation Index – the percentage of does for which a DMAP club recorded “detecting lactation” on the datasheet. Where sample sizes are sufficient, this index is used to determine the number of adult does that successfully raised fawns and is used to help estimate fawn recruitment. These data may be highly variable based on the timing of doe harvest in the annual cycle, as well as how thoroughly club members check for lactation. Generally, a favorable lactation index would be 60% or greater for adult does. A low lactation index (with adequate sample size) may indicate poor habitat, overpopulation, or a significant predation influence. Doe harvest early in the season (Oct- Dec) is generally better in estimating fawn recruitment vs late season harvest (after does finish lactating). For this report, lactation index is adjusted to account for late-season harvest.

Dressed Weights - average weight to the nearest pound of a dressed animal. A dressed animal should have both the forward (heart and lungs and rear (intestines) viscera removed but not any part of the remaining carcass. Comparing club average body weights from year to year or to the coordinating soil region average can be an indicator of overall herd health. Typically, doe carcass condition is a more reliable indicator of herd health than that of bucks due to the drastic fluctuation of buck body weights during the rut. Significant annual changes in carcass condition may indicate changes in habitat, mast crop, herd density, disease influence, or even severe weather conditions.

Age Distribution of Harvest – an estimate of age structure of the population, though generally only the doe segment is assessed, as buck harvest is often biased. Balanced deer herds typically show some harvest across all age classes. However, an age structure with more older animals (>40% 3 years old or greater) may indicate a stockpile of older animals which could signal an overabundant deer herd. Age distribution data is generally best considered in context with other harvest data (i.e., lactation index, doe body weights), as well as observation data (i.e., adult sex ratio, fawn recruitment) and even camera survey data (i.e., deer density, buck age structure).

Fawn Recruitment – a measurement of the number of fawns per adult doe that survive to at least 4-6 months of age. Recruitment tends to improve with increased harvest due to freeing up available resources. Generally fawn recruitment is measured using hunter observation data or camera surveys.

Adult Sex Ratio – ratio of the total number of does to total number of bucks in a deer herd. Typically, adult sex ratio is measured using observation data or camera surveys. Deer are born at nearly a 1:1 ratio of does to bucks. Thus, adult sex ratios closer to 1:1 are ideal. In trophy management scenarios adult sex ratio may be skewed towards more bucks, but most deer herds range from 1.5:1 to 3:1.

Important DMAP Reminders for Each Season

- For more information, visit www.mdwfp.com/DMAP and check out the Deer Managers Toolkit.
- If club acreages are incorrect, they should be updated on your DMAP Application. Contact your DMAP Biologist for help updating your DMAP Application.
- Calibrate your body weight scale(s) each year, especially if your club has multiple scales.
- Don't forget to retrieve jawbones from taxidermy bucks. The mature bucks are the most important to have aged.
- Do your best to collect all data completely. Check udders thoroughly for lactation.
- Hunter observation data can provide useful information, especially in clubs with small harvest data sets. Ask your biologist about hunter observation books.