

ANNUAL HARVEST SUMMARY REPORT

DEER MANAGEMENT ASSISTANCE PROGRAM

Old 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: 08/27/2025

*** Old River WMA ***

Club ID: 7019

Season: 2024	Acres: 13000
Location: Pearl River County, MS	Years on DMAP: 33
Soil Region: Lower Coastal Plain	Biologist: Blake Stefano
	% Data Collected: 100

Table 1. Harvest Summary

	Number Harvested	Acres Per Deer Harvested
Bucks	14	929
Does	5	2600
Totals	19	684

Table 2. Harvest History

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	RG 2023	Club Avg
Acres	13000	13000	13000	13000	13000	13000	13000	13000	13000	13000	237285	13000
Total Deer	19	45	11	20	13	16	26	31	44	31	922	26
Buck	14	31	7	16	8	9	12	19	23	19	457	16
Doe	5	14	4	4	5	7	14	12	21	12	465	10
Acres/Deer	684	289	1182	650	1000	812	500	419	295	419	257	508
Acres/Buck	929	419	1857	812	1625	1444	1083	684	565	684	519	823
Acres/Doe	2600	929	3250	3250	2600	1857	929	1083	619	1083	510	1327

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	1	20	0	0	0	0
2.5	3	21	1	20	0	0	3	21
3.5	3	21	1	20	0	0	3	21
4.5	2	14	0	0	0	0	2	14
5.5	3	21	0	0	0	0	3	21
6.5	3	21	1	20	0	0	3	21
7.5	0	0	0	0	0	0	0	0
8.5	0	0	1	20	0	0	0	0

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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	1	105	0
2.5	1	95	0
3.5	1	85	0
4.5	0	0	0
5.5	0	0	0
6.5	1	100	100
7.5	0	0	0
8.5	1	120	0
Totals	5	101	

Table 5. Doe Harvest History

	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	RG 2023	Club Avg
Total Does	5	14	4	4	5	6	14	12	21	12	443	10
Acres/Doe	2600	929	3250	3250	2600	2167	929	1083	619	1083	583	1340
% Harvest By Age												
% 0.5	0	7	25	0	0	0	14	0	0	0	5	4
% 1.5	20	36	0	25	40	0	0	17	24	17	14	19
% 2.5	20	0	0	25	0	50	21	58	19	0	11	20
% 3.5+	60	57	75	50	60	50	64	25	57	83	68	58
Average Weight												
0.5	0	60	57	0	0	0	68	0	0	0	57	64
1.5	105	87	0	85	75	0	0	108	76	75	79	84
2.5	95	0	0	120	0	99	99	92	92	0	92	96
3.5+	102	92	115	79	118	96	118	92	113	110	94	100
% Lactation												
% 1.5	0	20	0	100	0	0	0	50	0	0	3	17
% 2.5	0	0	0	0	0	33	67	43	25	0	30	37
% 2.5+	25	12	33	33	33	33	42	40	44	20	49	33
% 3.5+	33	12	33	50	33	33	33	33	50	20	52	32

DMAP Harvest Summary

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Club ID: 7019

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	138	3	6.3	3	2.3	3	13.0	3	11.8
3.5	3	149	3	6.7	2	2.9	3	14.5	3	11.0
4.5	2	148	2	8	2	4.7	2	18.7	2	14.1
5.5	3	157	3	7.3	3	3.5	3	17.5	3	13.9
6.5	3	158	3	8	3	2.9	3	17.9	3	13.5
7.5	0	0	0	N/A	0	N/A	0	N/A	0	N/A
8.5	0	0	0	N/A	0	N/A	0	N/A	0	N/A

DMAP Harvest Summary

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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	14	31	7	16	8	9	11	16	19	17	445	15
Acres/Buck	929	419	1857	812	1625	1444	1182	812	684	765	581	878
% .5 Bucks	0	0	14	0	0	11	0	0	0	0	2	1
# .5 Bucks	0	0	1	0	0	1	0	0	0	0	8	2
Avg Weight	0	0	75	0	0	55	0	0	0	0	63	65
% 1.5 Bucks	0	3	0	0	0	11	0	19	21	24	8	9
# 1.5 Bucks	0	1	0	0	0	1	0	3	4	4	35	1.3
% Spikes	0	0	0	0	0	0	0	33	0	75	51	31
Avg Weight	0	105	0	0	0	120	0	90	62	112	95	92
Avg Points	0	5	0	0	0	4	0	0.67	0	2.25	2	2
Avg Base	0	2.3	0	0	0	1.5	0	0	0	1.8	2.1	1.9
Avg Length	0	8.9	0	0	0	6.5	0	1.8	0	4.9	6.4	5.3
Avg Spread	0	10.0	0	0	0	3.5	0	0	0	4.9	6.4	5.6
% 2.5 Bucks	21	10	14	31	12	11	27	25	26	6	9	18
# 2.5 Bucks	3	3	1	5	1	1	3	4	5	1	39	2.7
Avg Weight	138	128	130	138	125	130	142	115	132	102	126	131
Avg Points	6.33	6.33	8	7	8	6	6.67	5.5	6.6	0	6	7
Avg Base	2.3	2.5	2.6	2.6	2.8	3.5	2.2	3.2	3.0	3.2	2.8	2.7
Avg Length	13.0	12.5	13.5	13.6	13.1	13.2	14.0	13.1	13.3	13.8	12.9	13.3
Avg Spread	11.8	10.1	8.8	11.6	12.2	11.0	12.0	10.7	11.2	12.0	10.7	11.2
% 3.5 Bucks	21	32	14	56	50	22	45	38	21	18	24	32
# 3.5 Bucks	3	10	1	9	4	2	5	6	4	3	109	4.7
Avg Weight	149	147	160	146	146	150	140	158	145	140	138	147
Avg Points	6.67	7.6	5	6.89	7.5	8	6.8	7.33	7.75	6.67	7	8
Avg Base	2.9	3.0	3.1	3.7	4.1	3.2	3.7	4.1	3.6	3.2	3.3	3.5
Avg Length	14.5	15.0	15.9	15.2	17.3	14.8	15.8	16.3	14.9	15.5	14.3	15.5
Avg Spread	11.0	11.6	13.8	13.0	12.8	13.2	12.4	12.8	12.2	12.3	11.5	12.4
% 4.5 + Bucks	57	55	57	12	38	44	27	19	32	53	53	40
# 4.5 + Bucks	8	17	4	2	3	4	3	3	6	9	122	5.9
Avg Weight	155	157	138	156	158	174	158	150	148	159	144	156
Avg Points	7.75	8.12	7.25	5	8.33	8.75	9	8.67	6	8.22	8	8
Avg Base	3.6	3.8	3.5	0	4.1	4.5	4.5	4.5	4.5	4.3	3.7	3.7
Avg Length	18.0	16.7	15.9	13.9	20.0	18.6	19.4	16.6	19.8	18.0	16.3	17.6
Avg Spread	13.8	13.6	13.0	15.2	14.3	14.1	14.2	13.2	16.8	14.4	13.0	14.1

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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	14	31	7	16	8	9	11	16	19	17	432	15
Acres/Buck	929	419	1857	812	1625	1444	1182	812	684	765	598	878
% .5 Bucks	0	0	14	0	0	11	0	0	0	0	2	1
# .5 Bucks	0	0	1	0	0	1	0	0	0	0	8	2
Avg Weight	0	0	75	0	0	55	0	0	0	0	63	65
% 1.5 Bucks	0	3	0	0	0	11	0	19	21	24	8	9
# 1.5 Bucks	0	1	0	0	0	1	0	3	4	4	33	1.3
% Spikes	0	0	0	0	0	0	0	33	0	75	48	31
Avg Weight	0	105	0	0	0	120	0	90	62	112	95	92
Avg Points	0	5	0	0	0	4	0	0.67	0	2.25	2	2
Avg Base	0	2.3	0	0	0	1.5	0	0	0	1.8	2.1	1.9
Avg Length	0	8.9	0	0	0	6.5	0	1.8	0	4.9	6.6	5.3
Avg Spread	0	10.0	0	0	0	3.5	0	0	0	4.9	6.4	5.6
% 2.5 Bucks	21	10	14	31	12	11	27	25	26	6	9	18
# 2.5 Bucks	3	3	1	5	1	1	3	4	5	1	38	2.7
Avg Weight	138	128	130	138	125	130	142	115	132	102	126	131
Avg Points	6.33	6.33	8	7	8	6	6.67	5.5	6.6	0	6	7
Avg Base	2.3	2.5	2.6	2.6	2.8	3.5	2.2	3.2	3.0	3.2	2.8	2.7
Avg Length	13.0	12.5	13.5	13.6	13.1	13.2	14.0	13.1	13.3	13.8	12.9	13.3
Avg Spread	11.8	10.1	8.8	11.6	12.2	11.0	12.0	10.7	11.2	12.0	10.7	11.2
% 3.5 Bucks	21	32	14	56	50	22	45	38	21	18	24	32
# 3.5 Bucks	3	10	1	9	4	2	5	6	4	3	105	4.7
Avg Weight	149	147	160	146	146	150	140	158	145	140	138	147
Avg Points	6.67	7.6	5	6.89	7.5	8	6.8	7.33	7.75	6.67	7	8
Avg Base	2.9	3.0	3.1	3.7	4.1	3.2	3.7	4.1	3.6	3.2	3.3	3.5
Avg Length	14.5	15.0	15.9	15.2	17.3	14.8	15.8	16.3	14.9	15.5	14.3	15.5
Avg Spread	11.0	11.6	13.8	13.0	12.8	13.2	12.4	12.8	12.2	12.3	11.5	12.4
% 4.5 + Bucks	57	55	57	12	38	44	27	19	32	53	54	40
# 4.5 + Bucks	8	17	4	2	3	4	3	3	6	9	118	5.9
Avg Weight	155	157	138	156	158	174	158	150	148	159	143	156
Avg Points	7.75	8.12	7.25	5	8.33	8.75	9	8.67	6	8.22	8	8
Avg Base	3.6	3.8	3.5	0	4.1	4.5	4.5	4.5	4.5	4.3	3.7	3.7
Avg Length	18.0	16.7	15.9	13.9	20.0	18.6	19.4	16.6	19.8	18.0	16.3	17.6
Avg Spread	13.8	13.6	13.0	15.2	14.3	14.1	14.2	13.2	16.8	14.4	13.0	14.1

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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.