

# DMAP Harvest Summary

Date: 08/16/2024

\*\*\* Upper Sardis WMA \*\*\*

Club ID: 6998

Season: 2023	Acres: 50485
Location: Lafayette County, MS	Years on DMAP: 28
Soil Region: Upper Coastal Plain	Biologist: Brad Holder
	% Data Collected: 48

## Table 1. Harvest Summary

	Number Harvested	Acres Per Deer Harvested
Bucks	68	742
Does	56	902
Totals	124	407

## Table 2. Harvest History

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	RG 2022	Club Avg
Acres	50485	50485	50485	50485	50485	43000	43000	43000	43000	43000	340426	46742
Total Deer	124	41	42	31	57	23	34	77	102	102	1813	63
Buck	68	25	26	23	36	22	30	38	39	47	710	35
Doe	56	16	16	8	21	1	4	39	63	55	1103	28
Acres/Deer	407	1231	1202	1629	886	1870	1265	558	422	422	188	738
Acres/Buck	742	2019	1942	2195	1402	1955	1433	1132	1103	915	479	1320
Acres/Doe	902	3155	3155	6311	2404	43000	10750	1103	683	782	309	1675

## Table 3. Age Distribution

Age	Bucks		Does		Management Bucks		Criteria Bucks	
	#	%	#	%	#	%	#	%
0.5	0	0	5	22	0	0	0	0
1.5	2	5	4	17	0	0	2	5
2.5	4	11	0	0	0	0	4	11
3.5	12	32	3	13	0	0	12	32
4.5	9	24	3	13	0	0	9	24
5.5	5	14	4	17	0	0	5	14
6.5	1	3	2	9	0	0	1	3
7.5	2	5	1	4	0	0	2	5
8.5	1	3	0	0	0	0	1	3

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Date: 08/16/2024

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### Table 4. Statistics for Doe Harvest

Age	Number Harvested	Avg Live Weight	Percent Lactating
0.5	5	62	0
1.5	4	84	0
2.5	0	0	0
3.5	3	70	0
4.5	3	98	33
5.5	4	90	50
6.5	2	98	50
7.5	1	127	0
8.5	1	0	0
Totals	23	79	

### Table 5. Doe Harvest History

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	RG 2022	Club Avg
Total Does	23	16	16	9	21	1	2	25	43	27	1147	18
Acres/Doe	2195	3155	3155	5609	2404	43000	21500	1720	1000	1593	290	2554
% Harvest By Age												
% 0.5	22	6	6	0	5	0	0	12	9	7	7	9
% 1.5	17	31	19	11	10	0	0	8	5	11	17	12
% 2.5	0	19	6	0	0	0	50	4	2	4	17	4
% 3.5+	61	44	69	89	86	100	50	76	79	56	55	70
Average Weight												
0.5	62	50	0	0	78	0	0	62	65	88	59	66
1.5	84	84	92	114	80	0	0	78	78	81	86	85
2.5	0	78	100	0	0	0	96	96	90	107	96	90
3.5+	92	93	100	105	97	120	100	103	97	100	100	91
% Lactation												
% 1.5	0	20	33	0	0	0	0	0	0	0	6	9
% 2.5	0	0	0	0	0	0	0	0	0	0	39	0
% 2.5+	38	30	25	12	17	0	50	20	26	19	56	24
% 3.5+	38	43	27	12	17	0	100	21	26	20	61	25

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### Table 6. Statistics for Yearling Bucks

	Number	Percent	Avg. Live Weight	Average Points
Spikes	0	0	0	0
Forks	2	100	0	6
Totals	2			

### Table 7. Buck Statistics

Age	Live Weight		Points		Base		Length		Spread	
	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average
0.5	0	0	0	0	0	0	0	0	0	0
1.5	2	120	2	6	2	2.6	2	10.2	2	9.2
2.5	4	126	4	6.8	4	2.8	4	13.8	4	8.9
3.5	11	128	12	7.1	10	3.1	11	14.2	11	11.6
4.5	8	130	9	6.7	9	3.6	9	15.6	9	12.8
5.5	5	148	5	8.4	5	3.6	5	17.4	5	14.0
6.5	1	184	1	4	1	4.8	1	16.0	1	10.0
7.5	2	165	2	8	2	4.4	2	17.4	2	13.2
8.5	1	120	2	3.5	2	1.8	2	7.4	2	4.9

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## Table 8. Buck Harvest History (All Bucks)

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	RG 2022	Club Avg
Bucks	37	25	26	23	36	22	29	24	28	19	728	27
Acres/Buck	1364	2019	1942	2195	1402	1955	1483	1792	1536	2263	457	1738
% .5 Bucks	0	4	4	0	6	0	0	4	0	5	5	2
# .5 Bucks	0	1	1	0	2	0	0	1	0	1	36	6
Avg Weight	0	50	0	0	0	0	0	64	0	90	59	68
% 1.5 Bucks	5	20	15	0	22	9	3	8	4	11	12	10
# 1.5 Bucks	2	5	4	0	8	2	1	2	1	2	90	2.7
% Spikes	0	20	75	0	88	50	100	50	0	50	69	56
Avg Weight	120	99	93	0	87	110	96	95	105	118	111	99
Avg Points	6	4.6	2.5	0	2.12	5	2	5	7	4	2	4
Avg Base	2.6	2.1	4.2	0	1.4	1.8	1.2	2.1	2.5	2.0	1.7	2.1
Avg Length	10.2	6.8	5.6	0	3.5	9.1	2.0	8.6	11.0	8.6	4.6	6.7
Avg Spread	9.2	8.3	5.8	0	5.2	7.0	3.5	5.4	10.8	8.6	5.8	7.2
% 2.5 Bucks	11	12	19	13	11	9	17	17	0	11	20	12
# 2.5 Bucks	4	3	5	3	4	2	5	4	0	2	142	3.2
Avg Weight	126	127	138	133	111	112	140	138	0	135	135	131
Avg Points	6.75	7.67	7.2	6.67	5.5	6.5	5.8	6.5	0	5	7	7
Avg Base	2.8	2.4	2.6	3.3	3.0	2.9	3.2	2.8	0	3.8	3.2	2.9
Avg Length	13.8	14.1	14.5	11.9	10.9	13.2	14.4	13.4	0	16.2	13.6	13.6
Avg Spread	8.9	10.8	11.3	11.8	9.0	12.4	11.8	11.7	0	11.2	11.0	10.9
% 3.5 Bucks	32	16	12	35	22	41	28	33	29	21	27	27
# 3.5 Bucks	12	4	3	8	8	9	8	8	8	4	198	7.2
Avg Weight	128	127	100	153	122	131	144	140	146	154	148	137
Avg Points	7.08	6.75	8	7.75	6.62	7	7.12	6.38	6.62	6.75	7	7
Avg Base	3.1	3.0	3.5	3.1	2.8	2.9	3.4	3.5	3.8	4.1	3.7	3.3
Avg Length	14.2	15.0	18.0	15.4	13.7	15.3	15.4	15.5	15.9	15.2	15.8	15.1
Avg Spread	11.6	13.2	13.8	11.9	10.9	11.1	11.8	12.2	11.6	12.6	12.5	11.8
% 4.5 + Bucks	51	48	42	52	33	36	48	33	54	37	29	44
# 4.5 + Bucks	19	12	11	12	12	8	14	8	15	7	137	11.8
Avg Weight	142	161	151	153	132	142	155	128	140	140	160	145
Avg Points	7.21	7.42	8.18	7	6.58	7.57	8.14	7.5	7.6	7.29	8	8
Avg Base	3.8	3.8	3.5	3.7	3.5	3.8	4.0	3.8	3.5	3.7	4.0	4.0
Avg Length	16.2	17.0	16.4	16.7	16.2	17.7	18.1	16.2	16.1	16.1	17.8	16.7
Avg Spread	13.1	13.2	13.6	13.9	12.6	14.2	15.0	13.1	13.3	14.2	13.9	13.6

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## Table 9. Criteria Buck Harvest History

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	RG 2022	Club Avg
Bucks	37	25	26	23	36	22	29	24	28	19	667	27
Acres/Buck	1364	2019	1942	2195	1402	1955	1483	1792	1536	2263	499	1738
% .5 Bucks	0	4	4	0	6	0	0	4	0	5	5	2
# .5 Bucks	0	1	1	0	2	0	0	1	0	1	36	6
Avg Weight	0	50	0	0	0	0	0	64	0	90	59	68
% 1.5 Bucks	5	20	15	0	22	9	3	8	4	11	11	10
# 1.5 Bucks	2	5	4	0	8	2	1	2	1	2	72	2.7
% Spikes	0	20	75	0	88	50	100	50	0	50	65	56
Avg Weight	120	99	93	0	87	110	96	95	105	118	104	99
Avg Points	6	4.6	2.5	0	2.12	5	2	5	7	4	3	4
Avg Base	2.6	2.1	4.2	0	1.4	1.8	1.2	2.1	2.5	2.0	1.8	2.1
Avg Length	10.2	6.8	5.6	0	3.5	9.1	2.0	8.6	11.0	8.6	5.3	6.7
Avg Spread	9.2	8.3	5.8	0	5.2	7.0	3.5	5.4	10.8	8.6	6.5	7.2
% 2.5 Bucks	11	12	19	13	11	9	17	17	0	11	18	12
# 2.5 Bucks	4	3	5	3	4	2	5	4	0	2	122	3.2
Avg Weight	126	127	138	133	111	112	140	138	0	135	137	131
Avg Points	6.75	7.67	7.2	6.67	5.5	6.5	5.8	6.5	0	5	7	7
Avg Base	2.8	2.4	2.6	3.3	3.0	2.9	3.2	2.8	0	3.8	3.3	2.9
Avg Length	13.8	14.1	14.5	11.9	10.9	13.2	14.4	13.4	0	16.2	14.0	13.6
Avg Spread	8.9	10.8	11.3	11.8	9.0	12.4	11.8	11.7	0	11.2	11.4	10.9
% 3.5 Bucks	32	16	12	35	22	41	28	33	29	21	27	27
# 3.5 Bucks	12	4	3	8	8	9	8	8	8	4	182	7.2
Avg Weight	128	127	100	153	122	131	144	140	146	154	149	137
Avg Points	7.08	6.75	8	7.75	6.62	7	7.12	6.38	6.62	6.75	7	7
Avg Base	3.1	3.0	3.5	3.1	2.8	2.9	3.4	3.5	3.8	4.1	3.7	3.3
Avg Length	14.2	15.0	18.0	15.4	13.7	15.3	15.4	15.5	15.9	15.2	16.1	15.1
Avg Spread	11.6	13.2	13.8	11.9	10.9	11.1	11.8	12.2	11.6	12.6	12.8	11.8
% 4.5 + Bucks	51	48	42	52	33	36	48	33	54	37	30	44
# 4.5 + Bucks	19	12	11	12	12	8	14	8	15	7	134	11.8
Avg Weight	142	161	151	153	132	142	155	128	140	140	161	145
Avg Points	7.21	7.42	8.18	7	6.58	7.57	8.14	7.5	7.6	7.29	8	8
Avg Base	3.8	3.8	3.5	3.7	3.5	3.8	4.0	3.8	3.5	3.7	4.0	4.0
Avg Length	16.2	17.0	16.4	16.7	16.2	17.7	18.1	16.2	16.1	16.1	17.8	16.7
Avg Spread	13.1	13.2	13.6	13.9	12.6	14.2	15.0	13.1	13.3	14.2	13.9	13.6

## 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](http://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.