

DMAP Harvest Summary

Date: 08/14/2024

*** Malmaison WMA ***

Club ID: 6996

Season: 2023	Acres: 9953
Location: Grenada County, MS	Years on DMAP: 28
Soil Region: Delta	Biologist: Brad Holder
	% Data Collected: 64

Table 1. Harvest Summary

	Number Harvested	Acres Per Deer Harvested
Bucks	49	203
Does	65	153
Totals	114	87

Table 2. Harvest History

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	RG 2022	Club Avg
Acres	9953	9953	9953	9953	9953	9696	9696	9696	9696	10000	387702	9855
Total Deer	114	71	42	38	52	67	66	48	54	84	2448	64
Buck	49	36	21	21	25	19	25	25	12	19	811	25
Doe	65	35	21	17	27	48	41	23	42	65	1637	38
Acres/Deer	87	140	237	262	191	145	147	202	180	119	158	155
Acres/Buck	203	276	474	474	398	510	388	388	808	526	478	391
Acres/Doe	153	284	474	585	369	202	236	422	231	154	237	257

Table 3. Age Distribution

Age	Bucks		Does		Management Bucks		Criteria Bucks	
	#	%	#	%	#	%	#	%
0.5	1	3	3	8	0	0	1	3
1.5	1	3	8	22	0	0	1	3
2.5	3	8	1	3	0	0	3	8
3.5	8	22	7	19	0	0	8	22
4.5	10	27	2	6	0	0	10	27
5.5	6	16	6	17	0	0	6	16
6.5	2	5	3	8	0	0	2	5
7.5	2	5	3	8	0	0	2	5
8.5	1	3	2	6	0	0	1	3

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Table 4. Statistics for Doe Harvest

Age	Number Harvested	Avg Live Weight	Percent Lactating
0.5	3	75	0
1.5	8	94	0
2.5	1	100	0
3.5	7	110	43
4.5	2	122	50
5.5	6	124	17
6.5	3	123	33
7.5	3	134	33
8.5	2	112	100
Totals	35	110	

Table 5. Doe Harvest History

	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	RG 2022	Club Avg
Total Does	36	35	21	17	27	48	41	23	42	65	1915	36
Acres/Doe	276	284	474	585	369	202	236	422	231	154	202	278
% Harvest By Age												
% 0.5	8	6	24	12	11	12	27	17	12	8	8	13
% 1.5	22	34	29	12	22	19	10	26	29	37	20	25
% 2.5	3	9	10	12	11	19	15	30	26	15	22	15
% 3.5+	64	49	38	53	56	48	49	26	33	40	48	45
Average Weight												
0.5	75	62	68	58	73	69	68	55	90	60	68	69
1.5	94	89	104	110	93	86	107	87	99	101	104	96
2.5	100	120	120	98	107	109	105	99	104	114	115	107
3.5+	120	114	115	115	109	110	112	111	116	112	123	110
% Lactation												
% 1.5	0	0	0	0	17	0	0	0	0	0	12	1
% 2.5	0	67	0	0	0	22	17	43	18	10	59	20
% 2.5+	38	45	33	27	12	26	23	46	32	31	63	31
% 3.5+	39	41	43	33	14	27	25	50	43	38	64	34

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Table 6. Statistics for Yearling Bucks

	Number	Percent	Avg. Live Weight	Average Points
Spikes	1	100	85	2
Forks	0	0	0	0
Totals	1			

Table 7. Buck Statistics

Age	Live Weight		Points		Base		Length		Spread	
	Number	Average	Number	Average	Number	Average	Number	Average	Number	Average
0.5	1	50	0	0	0	0	0	0	0	0
1.5	1	85	1	2	0	0	1	2.0	1	3.0
2.5	3	156	2	8	3	3.8	3	14.3	3	11.5
3.5	8	180	8	7.8	6	4.2	8	17.0	8	15.4
4.5	9	183	10	8.3	10	4.2	10	17.6	10	14.9
5.5	6	195	6	8.7	6	4.9	6	19.2	6	15.0
6.5	2	210	2	10.5	2	5.2	2	23.1	2	19.1
7.5	2	202	2	10	2	6.2	2	22.2	2	16.5
8.5	1	170	1	9	1	5.0	1	20.6	1	16.5

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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	36	21	20	25	19	25	25	12	19	984	24
Acres/Buck	269	276	474	498	398	510	388	388	808	526	394	412
% .5 Bucks	3	3	14	10	0	11	0	0	0	5	5	4
# .5 Bucks	1	1	3	2	0	2	0	0	0	1	46	10
Avg Weight	50	70	62	72	0	66	0	0	0	55	71	64
% 1.5 Bucks	3	8	5	5	4	0	4	16	8	11	7	6
# 1.5 Bucks	1	3	1	1	1	0	1	4	1	2	65	1.5
% Spikes	100	33	0	0	0	0	0	50	0	50	46	33
Avg Weight	85	108	126	115	101	0	130	141	125	109	127	119
Avg Points	2	2.5	4	3	4	0	4	3	6	4	3	3
Avg Base	0	1.2	0	0	3.0	0	2.2	1.8	0	1.9	2.3	1.9
Avg Length	2.0	3.6	0	0	14.1	0	8.5	9.6	0	6.4	6.8	7.1
Avg Spread	3.0	4.5	0	0	10.8	0	5.5	7.0	0	5.5	7.7	5.9
% 2.5 Bucks	8	11	10	15	12	16	0	28	33	11	14	13
# 2.5 Bucks	3	4	2	3	3	3	0	7	4	2	141	3.1
Avg Weight	156	162	198	187	148	162	0	154	178	149	175	165
Avg Points	8	9.25	8.5	8.67	6.67	6.33	0	5.43	8.25	7.5	8	7
Avg Base	3.8	3.7	4.3	3.8	3.0	3.8	0	3.6	3.9	2.8	3.8	3.6
Avg Length	14.3	17.7	17.5	17.6	17.8	13.9	0	15.9	15.6	13.8	16.8	16.0
Avg Spread	11.5	14.4	15.1	14.7	12.3	13.0	0	13.8	12.5	12.0	14.4	13.3
% 3.5 Bucks	22	17	19	40	28	16	40	32	50	58	18	30
# 3.5 Bucks	8	6	4	8	7	3	10	8	6	11	173	7.1
Avg Weight	180	153	177	182	169	159	202	205	181	177	191	181
Avg Points	7.75	8	9	8.14	8.29	8	8.5	9.5	8.83	6.09	8	8
Avg Base	4.2	3.6	3.8	3.8	3.8	4.7	3.9	4.3	4.1	4.5	4.1	4.1
Avg Length	17.0	17.0	18.9	18.2	18.2	19.1	18.0	19.7	19.7	19.0	19.0	18.4
Avg Spread	15.4	12.8	16.4	14.4	14.9	15.5	15.4	15.0	16.0	15.2	15.7	15.0
% 4.5 + Bucks	57	56	52	30	56	53	56	24	8	11	54	44
# 4.5 + Bucks	21	20	11	6	14	10	14	6	1	2	211	10.5
Avg Weight	191	177	187	173	168	180	212	206	260	178	204	187
Avg Points	8.81	8.32	7.73	9.17	8.36	9.3	9.71	8.83	11	8.5	9	9
Avg Base	4.6	3.9	4.0	4.5	4.0	4.4	4.7	5.1	6.4	4.8	4.6	4.6
Avg Length	19.1	18.8	17.8	19.2	17.4	19.4	21.1	20.9	22.0	21.6	20.6	19.1
Avg Spread	15.5	15.1	14.9	14.5	15.3	15.9	16.2	15.3	20.5	15.8	16.8	15.5

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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	36	21	20	25	19	25	25	12	19	881	24
Acres/Buck	269	276	474	498	398	510	388	388	808	526	440	412
% .5 Bucks	3	3	14	10	0	11	0	0	0	5	5	4
# .5 Bucks	1	1	3	2	0	2	0	0	0	1	45	10
Avg Weight	50	70	62	72	0	66	0	0	0	55	71	64
% 1.5 Bucks	3	8	5	5	4	0	4	16	8	11	6	6
# 1.5 Bucks	1	3	1	1	1	0	1	4	1	2	56	1.5
% Spikes	100	33	0	0	0	0	0	50	0	50	39	33
Avg Weight	85	108	126	115	101	0	130	141	125	109	130	119
Avg Points	2	2.5	4	3	4	0	4	3	6	4	3	3
Avg Base	0	1.2	0	0	3.0	0	2.2	1.8	0	1.9	2.3	1.9
Avg Length	2.0	3.6	0	0	14.1	0	8.5	9.6	0	6.4	7.9	7.1
Avg Spread	3.0	4.5	0	0	10.8	0	5.5	7.0	0	5.5	8.3	5.9
% 2.5 Bucks	8	11	10	15	12	16	0	28	33	11	15	13
# 2.5 Bucks	3	4	2	3	3	3	0	7	4	2	131	3.1
Avg Weight	156	162	198	187	148	162	0	154	178	149	177	165
Avg Points	8	9.25	8.5	8.67	6.67	6.33	0	5.43	8.25	7.5	8	7
Avg Base	3.8	3.7	4.3	3.8	3.0	3.8	0	3.6	3.9	2.8	3.8	3.6
Avg Length	14.3	17.7	17.5	17.6	17.8	13.9	0	15.9	15.6	13.8	16.9	16.0
Avg Spread	11.5	14.4	15.1	14.7	12.3	13.0	0	13.8	12.5	12.0	14.7	13.3
% 3.5 Bucks	22	17	19	40	28	16	40	32	50	58	17	30
# 3.5 Bucks	8	6	4	8	7	3	10	8	6	11	154	7.1
Avg Weight	180	153	177	182	169	159	202	205	181	177	192	181
Avg Points	7.75	8	9	8.14	8.29	8	8.5	9.5	8.83	6.09	8	8
Avg Base	4.2	3.6	3.8	3.8	3.8	4.7	3.9	4.3	4.1	4.5	4.1	4.1
Avg Length	17.0	17.0	18.9	18.2	18.2	19.1	18.0	19.7	19.7	19.0	19.2	18.4
Avg Spread	15.4	12.8	16.4	14.4	14.9	15.5	15.4	15.0	16.0	15.2	15.9	15.0
% 4.5 + Bucks	57	56	52	30	56	53	56	24	8	11	53	44
# 4.5 + Bucks	21	20	11	6	14	10	14	6	1	2	188	10.5
Avg Weight	191	177	187	173	168	180	212	206	260	178	204	187
Avg Points	8.81	8.32	7.73	9.17	8.36	9.3	9.71	8.83	11	8.5	9	9
Avg Base	4.6	3.9	4.0	4.5	4.0	4.4	4.7	5.1	6.4	4.8	4.6	4.6
Avg Length	19.1	18.8	17.8	19.2	17.4	19.4	21.1	20.9	22.0	21.6	20.8	19.1
Avg Spread	15.5	15.1	14.9	14.5	15.3	15.9	16.2	15.3	20.5	15.8	16.9	15.5

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.