

DMAP Reports - Old Pearl Game Mgt. - 2021

NRIS ID 6576 DMAP ID 6406
 BIOLOGIST Pierce.Young COUNTY Simpson County, MS
 ACRES 6000 YEARS ON DMAP 31 SOIL REGION Lower Thin Loess

Introductory Comments

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Thank you for participating in the Deer Management Assistance Program (DMAP) and for your dedication to deer management in Mississippi for over 30 years. As always, we appreciate your partnership in collecting and managing this data set and we hope that you are able to benefit from DMAP in achieving your deer management objectives.

Data collection for the 2021-2022 season was very good.

DOE HARVEST:

- 80% of the doe harvest recommendations were met.
- Doe body weights increased again this year above the regional average.
- Doe lactation is remaining below the regional average at 50% (I like to see this above 60%).
- The percentage of older does in the harvest has increased at 70% (I like to see it below 40%), with does reaching 5, 6, 7 years old before being harvested.
- Population History Reconstruction estimates there will be a minimum of 75-80 does on your property, so in order to maintain a healthy deer population you would need to harvest 33% = 25-30 does for the 2022-2023 season (harvest about 1 doe per 200 acres).

BUCK HARVEST:

- Although buck harvest numbers were down, 92% of bucks harvested (not including fawns or yearlings) were 3.5+ yrs old. Great job.
- 8% = 2.5 yrs old, 42% = 3.5 yrs old, 17% = 4.5 yrs old, and 33% = 5.5+ yrs old
- The only 2.5 year old buck was harvested by a youth.
- I expect since fewer young bucks were harvested this year, we should see an increase in middle-age bucks being harvested next year.
- Your buck harvest meets your indicated goal of "Optimizing Recreational Harvest and Antler Size".

HARVEST SUMMARY

	Recommended Harvest	Number Harvested	Acres/Deer Harvested	% Data Collected
Bucks	0 - 0	14	428	100
Does	25 - 30	20	300	100
Totals		34	176	100

Comments

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Data collection for the 2021-2022 season was very good.
80% of the doe harvest recommendations were met.

RECOMMENDED HARVEST (NEXT SEASON)

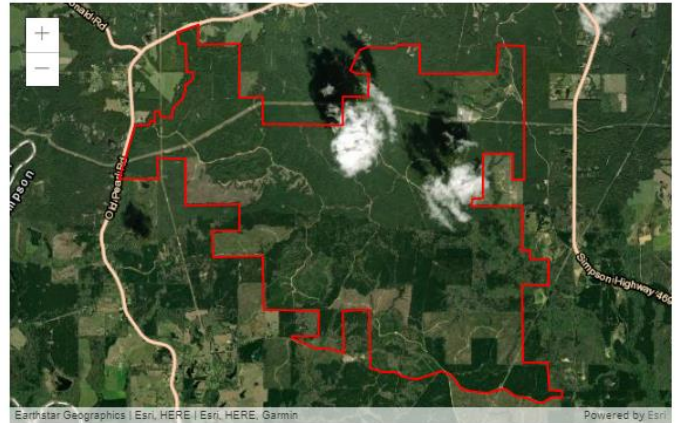
Bucks: - Does: -

Comments

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In order to maintain a healthy deer population I recommend harvesting 25-30 does for the 2022-2023 season (harvest about 1 doe per 200 acres).

CLUB MAP



Comments

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(As of 2/5/2019)
Browsing Intensity = Moderate

HARVEST HISTORY

Select start & end years to group columns:

Start

Select season for regional comparison:

5-Yr Avg

	Region Avg	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	20
Acres	88988	5958	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	60
Total Deer	850.4	20	34	54	36	43	46	23	22	35	17	29	38	33
Bucks	318.2	8	14	25	18	19	22	9	14	11	8	9	19	5
Does	532.2	12	20	29	18	24	24	14	8	24	9	20	19	28
Acres/Deer	104	289	176	111	166	139	130	260	272	171	352	206	157	181
Bucks	279	730	428	240	333	315	272	666	428	545	750	666	315	1200
Does	167	479	300	206	333	250	250	428	750	250	666	300	315	214

DOE HARVEST HISTORY

Select start & end years to group columns:

Start

Select season for regional comparison:

5-Yr Avg

	Region Avg	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	20
Does	532.2	21.4	20	29	18	24	24	14	8	24	9	20	19	28
Acres/Doe	169.6	319.6	300	206	333	250	250	428	750	250	666	300	315	214
% .5 Does	6.2	8.4	5	13	N/A	4	4	N/A	12	4	N/A	N/A	N/A	3
# .5 Does	36.6	2.0	1	4	0	1	1	0	1	1	0	0	0	1
Avg Weight	64.6	58.1	65	63	N/A	82	58	N/A	60	38	N/A	N/A	N/A	55
% 1.5 Does	18.0	21.9	15	17	11	41	29	21	25	16	22	15	15	25
# 1.5 Does	97.8	4.8	3	5	2	10	7	3	2	4	2	3	3	7
Avg Weight	95.4	95.5	103	92	84	94	92	96	100	96	105	109	91	101
% 2.5 Does	16.6	20.4	10	27	33	20	12	21	N/A	25	22	10	21	21
# 2.5 Does	92.2	4.6	2	8	6	5	3	3	0	6	2	2	4	6
Avg Weight	105.8	105.6	104	94	101	105	96	93	N/A	103	121	119	121	102
% 3.5+ Does	53.0	50.6	70	41	33	33	54	57	50	54	55	75	63	50
# 3.5+ Does	283.6	10.7	14	12	6	8	13	8	4	13	5	15	12	14
Avg Weight	113.0	111.4	114	109	112	107	108	108	122	119	121	118	114	112
% Lactation	N/A													
1.5	7.4	43.4	33	0	0	30	0	33	0	0	50	33	66	57
2.5	40.0	65.7	100	25	66	40	33	33	N/A	83	50	100	75	100
2.5+	53.4	71.0	56	45	58	53	81	45	75	78	71	58	87	100
3.5+	57.6	74.9	50	58	50	62	92	50	75	76	80	53	91	100

BUCK HARVEST HISTORY

Select start & end years to group columns:

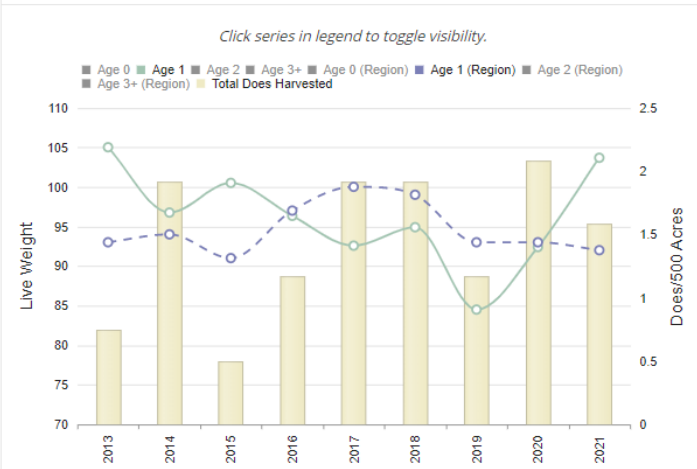
Start

Select season for regional comparison:

5-Yr Avg

	Region Avg	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	20
Bucks	318.2	13.3	14	25	18	19	22	9	14	11	8	9	19	5
Acres/Buck	281.8	532.4	428	240	333	315	272	666	428	545	750	666	315	1200
% .5 Bucks	3.2	10.4	N/A	4	5	N/A	4	11	7	9	N/A	N/A	N/A	N/A
# .5 Bucks	12.2	1.2	0	1	1	0	1	1	1	1	0	0	0	0
Avg Weight	63.6	59.9	N/A	50	70	N/A	56	48	60	50	N/A	N/A	N/A	N/A
% 1.5 Bucks	10.6	21.7	14	12	16	15	13	11	7	9	25	11	15	20
# 1.5 Bucks	35.4	3.1	2	3	3	3	3	1	1	1	2	1	3	1
% Spikes	54.6	61.1	50	66	66	33	33	100	0	0	100	100	33	100
Avg Weight	110.4	114.7	110	112	110	105	112	130	106	120	122	130	127	120
Avg Points	3.0	3.2	2.5	2.0	2.3	4.0	2.7	2.0	3.0	6.0	2.0	2.0	5.0	2.0
Avg Base	1.8	2.0	1.9	1.5	2.5	2.2	2.3	0.0	2.3	2.4	1.1	1.1	1.5	1.8
Avg Length	5.3	6.8	6.0	4.9	8.1	7.7	6.0	0.0	10.1	12.0	3.1	3.3	4.6	4.0
Avg Spread	5.3	5.5	4.8	4.0	5.3	6.4	3.3	0.0	9.0	6.0	5.7	4.4	4.8	4.1
% 2.5 Bucks	13.4	18.3	7	24	N/A	5	9	N/A	N/A	9	25	11	N/A	20
# 2.5 Bucks	44.2	2.1	1	6	0	1	2	0	0	1	2	1	0	1
Avg Weight	143.6	147.7	123	134	N/A	170	136	N/A	N/A	180	174	155	N/A	135
Avg Points	6.5	7.6	7.0	7.5	N/A	7.0	6.5	N/A	N/A	11.0	7.0	8.0	N/A	6.0
Avg Base	3.3	3.3	3.1	3.6	N/A	3.5	3.2	N/A	N/A	3.7	3.1	4.5	N/A	2.5
Avg Length	13.9	14.7	15.8	15.6	N/A	13.9	13.6	N/A	N/A	17.9	15.4	16.3	N/A	13.4
Avg Spread	11.3	11.0	10.5	11.5	N/A	9.1	11.0	N/A	N/A	10.8	12.5	14.0	N/A	10.5
% 3.5 Bucks	23.0	24.8	35	28	27	31	13	22	28	27	50	22	15	40
# 3.5 Bucks	73.2	3.2	5	7	5	6	3	2	4	3	4	2	3	2
Avg Weight	161.0	161.2	165	152	151	163	149	146	162	143	178	156	151	165
Avg Points	7.4	8.0	8.4	8.1	8.0	7.3	7.3	6.5	8.3	6.7	8.0	7.0	8.0	8.5
Avg Base	3.8	3.7	4.0	3.9	4.0	3.9	3.6	2.0	4.5	3.2	4.2	3.6	3.6	3.7
Avg Length	16.3	16.0	17.3	16.9	15.9	15.5	15.7	9.4	19.2	14.9	17.6	15.7	14.1	17.2
Avg Spread	13.0	12.8	14.5	12.1	11.7	13.4	12.0	6.0	14.0	10.5	15.0	11.8	13.5	14.3
% 4.5+ Bucks	38.2	39.3	42	32	50	47	59	55	57	45	N/A	55	68	20
# 4.5+ Bucks	124.4	5.8	6	8	9	9	13	5	8	5	0	5	13	1
Avg Weight	180.2	176.3	173	164	175	180	176	171	173	190	N/A	172	174	220
Avg Points	8.3	8.5	9.2	8.9	9.0	8.1	9.2	8.2	9.0	7.6	N/A	7.0	9.0	8.0
Avg Base	4.4	4.3	4.6	4.3	5.2	4.1	4.6	3.6	4.8	3.4	N/A	3.6	4.1	4.6
Avg Length	19.0	18.6	20.3	18.9	18.5	18.1	19.7	10.9	20.4	19.8	N/A	14.7	17.6	21.8
Avg Spread	15.1	15.2	16.5	15.0	13.9	14.6	15.5	16.4	15.3	15.5	N/A	12.8	14.9	16.5

DOE WEIGHTS WITH HARVEST



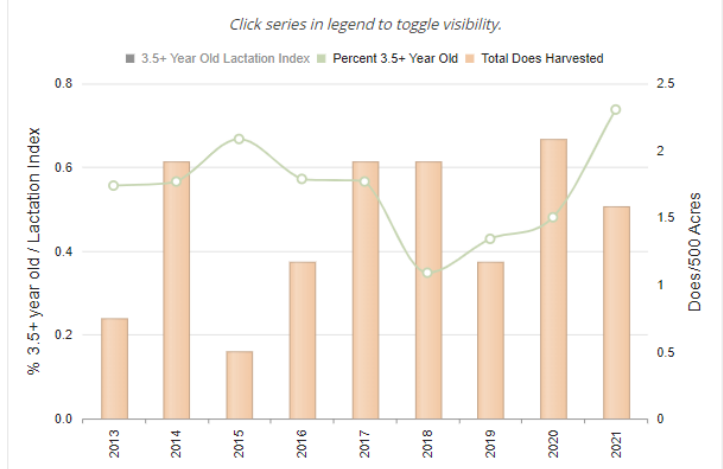
Comments

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Doe body weights were above the regional average.

DOE AGE STRUCTURE IN RELATION TO HARVEST AND LACTATION RATES



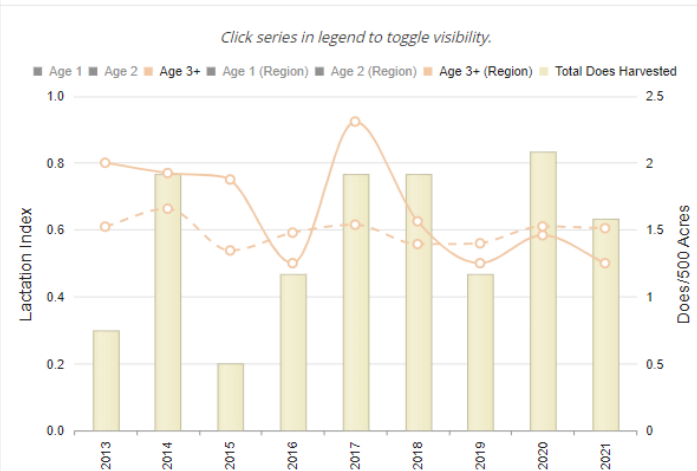
Comments

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The percentage of older does in the harvest was high (I like to see it below 40%), with does reaching 5, 6, 7 years old before being harvested.

% DOE LACTATION

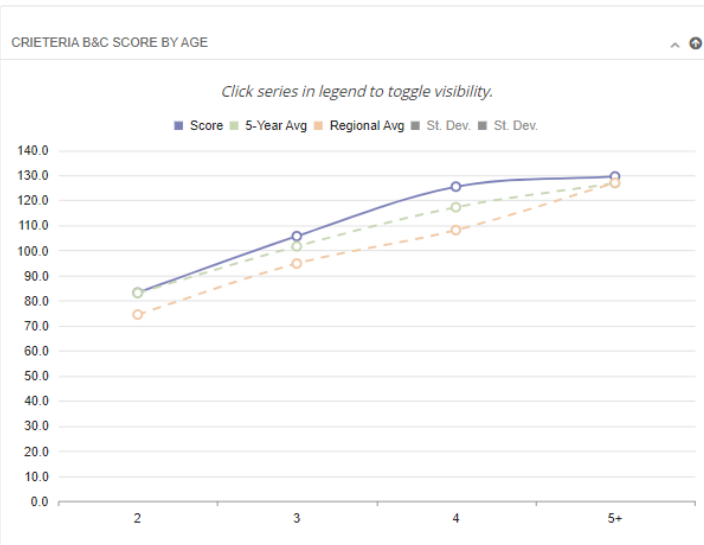
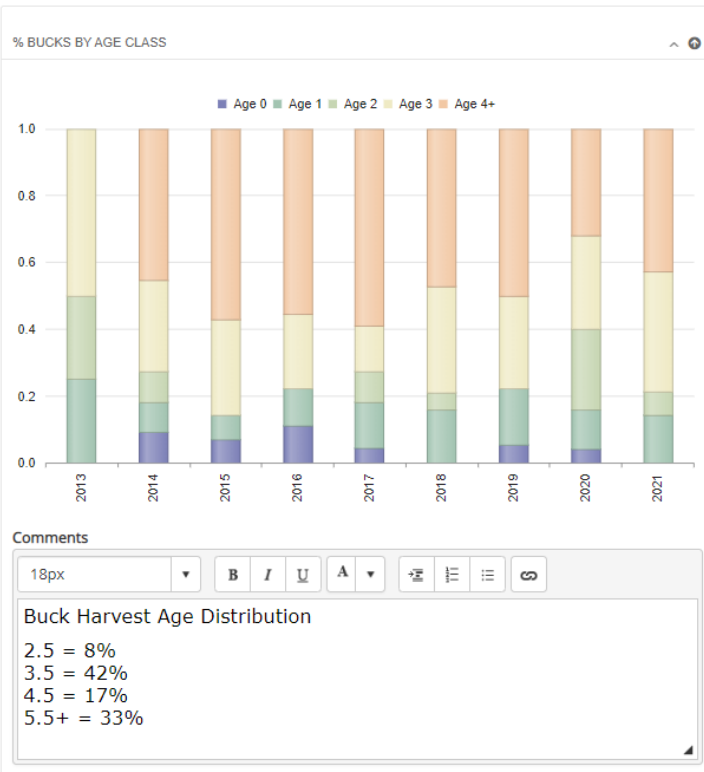


Comments

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Doe lactation has remained below the regional average.



CRITERIA BUCK ESTIMATED B&C SCORES

Group	Show	Age	Num	Estimated Non-typical B&C Score		
				At Harvest	At Maturity (Min)	At Maturity (Max)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2.5	1	83 1/8	115 4/8	135 2/8
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	3.5	5	105 6/8	121 4/8	134 5/8
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4.5	2	125 4/8	132	137 1/8
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5.5+	4	129 4/8	129 4/8	129 4/8

Summary

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Data collection for the 2021-2022 season was very good.

80% of the doe harvest recommendations were met.

92% of bucks harvested were 3.5+ years old this year.

I recommend modifying your buck selection criteria to protect more young bucks.

Feel free to contact me if you have any questions or need further technical guidance.

Thank you,

Pierce Young

Private Lands Wildlife Biologist

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